

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057642.D
 Acq On : 1 Sep 2019 14:21
 Operator : JC/SP
 Sample : VN0902MBSD01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Quant Time: Sep 02 01:53:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	187565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	320904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	116707	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	214251	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.58	113	135272	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.09	98	530854	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	181925	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	63225	21.080	ug/l	97
3) Chloromethane	2.05	50	72989	21.109	ug/l	99
4) Vinyl Chloride	2.18	62	56276	20.779	ug/l	98
5) Bromomethane	2.51	94	38673	22.568	ug/l	100
6) Chloroethane	2.67	64	32601	21.550	ug/l	94
7) Trichlorofluoromethane	3.00	101	80039	21.054	ug/l	96
8) Diethyl Ether	3.39	74	25241	20.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39395	20.440	ug/l	99
10) Methyl Iodide	3.92	142	51193	20.572	ug/l	99
11) Tert butyl alcohol	4.82	59	44373	99.849	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	36771	21.047	ug/l	90
13) Acrolein	3.59	56	16102	91.128	ug/l	96
14) Allyl chloride	4.29	41	103145	18.924	ug/l	95
15) Acrylonitrile	4.97	53	133578	100.171	ug/l	98
16) Acetone	3.81	43	109456	92.177	ug/l	93
17) Carbon Disulfide	4.02	76	107418	19.018	ug/l	99
18) Methyl Acetate	4.31	43	83037	20.366	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	189607	20.977	ug/l	95
20) Methylene Chloride	4.53	84	63488	21.596	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	52517	20.219	ug/l	100
22) Diisopropyl ether	5.94	45	232842	20.781	ug/l	97
23) Vinyl Acetate	5.88	43	885663	102.853	ug/l	98
24) 1,1-Dichloroethane	5.82	63	116419	20.699	ug/l	98
25) 2-Butanone	6.83	43	195380	98.743	ug/l	100
26) 2,2-Dichloropropane	6.81	77	83820	18.645	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	63366	20.430	ug/l	99
28) Bromochloromethane	7.18	49	57013	19.036	ug/l	97
29) Tetrahydrofuran	7.20	42	130135	104.832	ug/l	98
30) Chloroform	7.36	83	118332	20.739	ug/l	94
31) Cyclohexane	7.64	56	111929	19.940	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	94438	20.177	ug/l	97
36) 1,1-Dichloropropene	7.78	75	84281	19.810	ug/l	99
37) Ethyl Acetate	6.92	43	82387	20.329	ug/l	99
38) Carbon Tetrachloride	7.76	117	73215	19.225	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	100997	20.092	ug/l	97
40) Benzene	8.03	78	246958	19.941	ug/l	100
41) Methacrylonitrile	7.16	41	36283	17.525	ug/l	90
42) 1,2-Dichloroethane	8.11	62	106530	21.178	ug/l	100
43) Isopropyl Acetate	8.16	43	141550	19.413	ug/l	99
44) Trichloroethene	8.83	130	55855	19.881	ug/l	94
45) 1,2-Dichloropropane	9.11	63	69551	20.162	ug/l	99
46) Dibromomethane	9.20	93	42722	20.002	ug/l	100
47) Bromodichloromethane	9.40	83	84827	19.548	ug/l	97
48) Methyl methacrylate	9.19	41	74462	20.003	ug/l	99
49) 1,4-Dioxane	9.20	88	17170	393.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	435264	104.155	ug/l	100
52) Toluene	10.15	92	148240	20.252	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	81051	18.862	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	92338	18.525	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	55485	19.979	ug/l	97
56) Ethyl methacrylate	10.43	69	89566	19.326	ug/l	97
57) 1,3-Dichloropropane	10.70	76	103780	20.368	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	120596	88.942	ug/l	99
59) 2-Hexanone	10.75	43	294091	95.830	ug/l	99
60) Dibromochloromethane	10.90	129	49096	18.528	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56033	20.038	ug/l	98
64) Tetrachloroethene	10.63	164	53007	21.366	ug/l	94
65) Chlorobenzene	11.43	112	149511	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	50575	20.198	ug/l	95
67) Ethyl Benzene	11.51	91	294375	21.102	ug/l	99
68) m/p-Xylenes	11.62	106	198963	40.485	ug/l	98
69) o-Xylene	11.95	106	97214	20.411	ug/l	99
70) Styrene	11.96	104	153050	19.516	ug/l	98
71) Bromoform	12.13	173	27268	19.049	ug/l #	96
73) Isopropylbenzene	12.25	105	264907	22.482	ug/l	99
74) N-amyl acetate	12.07	43	122125	21.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	77388	22.284	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	97549	31.776	ug/l #	100
77) Bromobenzene	12.53	156	58797	23.445	ug/l	96
78) n-propylbenzene	12.59	91	286715	21.862	ug/l	98
79) 2-Chlorotoluene	12.67	91	180785	22.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	217905	22.479	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16969	18.947	ug/l	92
82) 4-Chlorotoluene	12.77	91	167344	20.673	ug/l	99
83) tert-Butylbenzene	12.99	119	183801	22.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	202338	21.575	ug/l	100
85) sec-Butylbenzene	13.17	105	238406	21.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	191606	20.942	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	82276	20.138	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	81342	20.611	ug/l	97
89) n-Butylbenzene	13.62	91	178163	20.779	ug/l	99
90) Hexachloroethane	13.88	117	29593	18.630	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	80876	20.744	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10370	19.393	ug/l	94

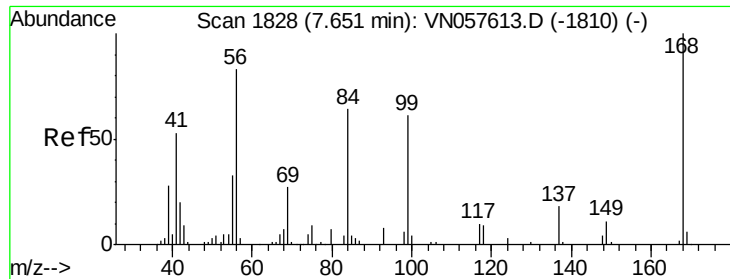
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25571	20.900	ug/l	96
94) Hexachlorobutadiene	15.01	225	25985	19.422	ug/l	99
95) Naphthalene	15.13	128	77919	20.334	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	24838	20.157	ug/l	98

(#) = 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: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

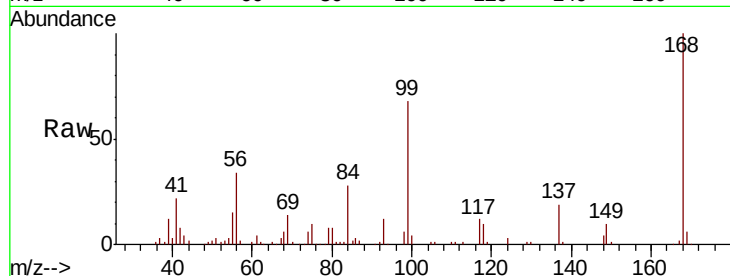
VN0902MBSD01

Tgt Ion: 168 Resp: 187565

Ion Ratio Lower Upper

168 100

99 67.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

7.65

80000

60000

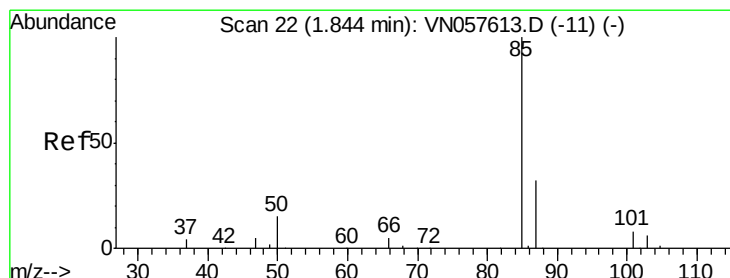
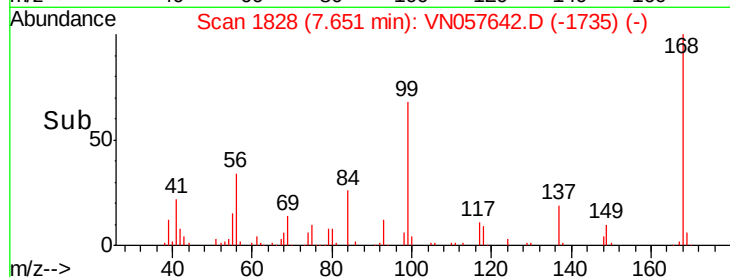
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.080 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057642.D

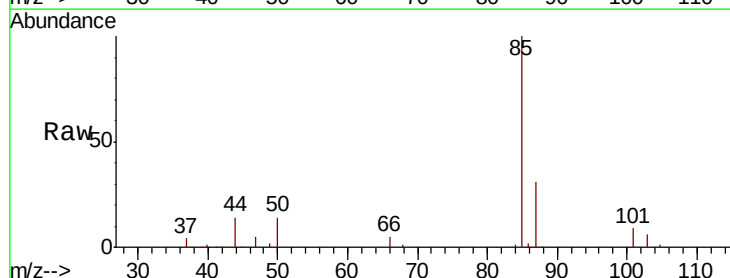
Acq: 1 Sep 2019 14:21

Tgt Ion: 85 Resp: 63225

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057613.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057613.D (-11) (-)

1.85

50000

40000

30000

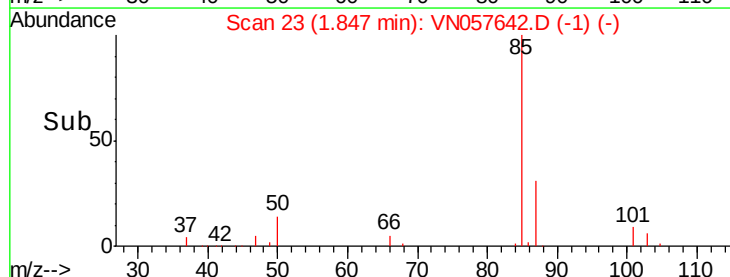
20000

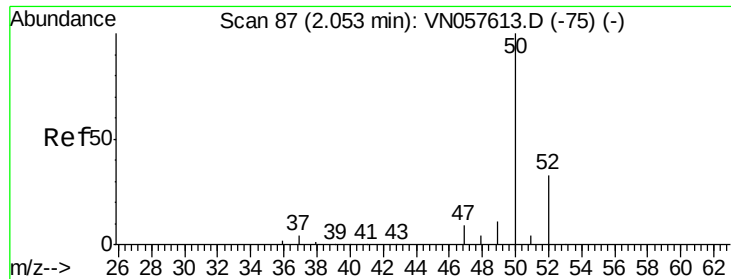
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.109 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

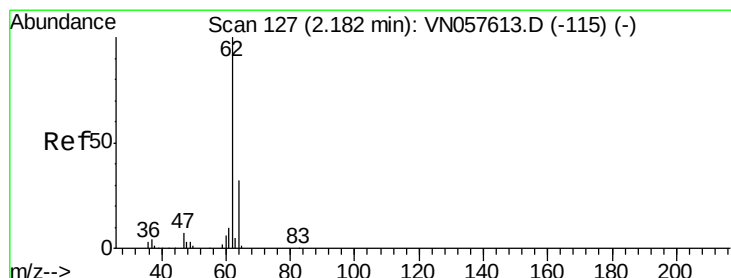
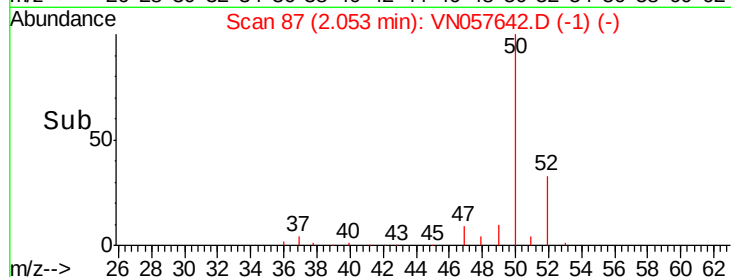
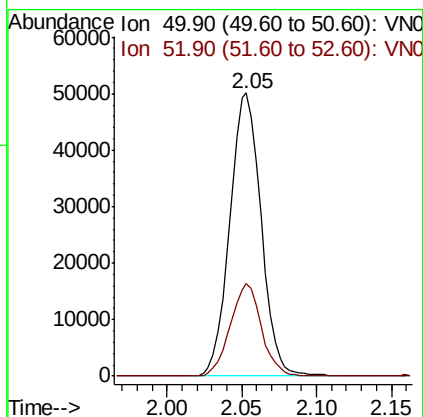
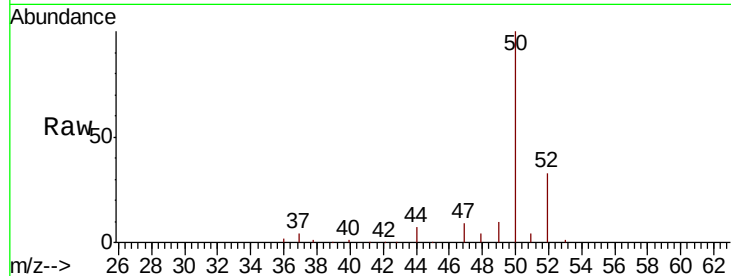
VN0902MBSD01

Tgt Ion: 50 Resp: 72989

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



#4

Vinyl Chloride

Concen: 20.779 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057642.D

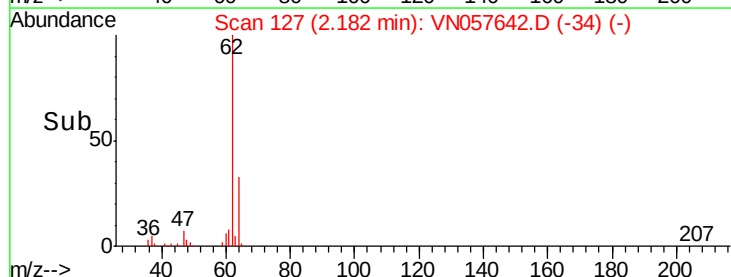
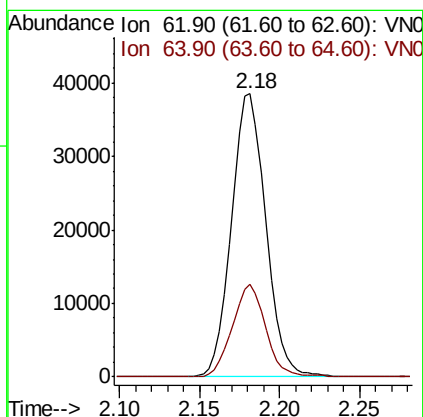
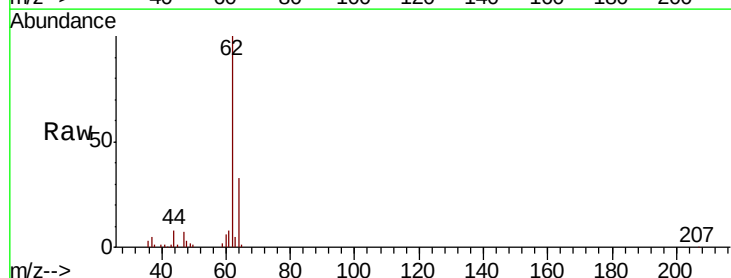
Acq: 1 Sep 2019 14:21

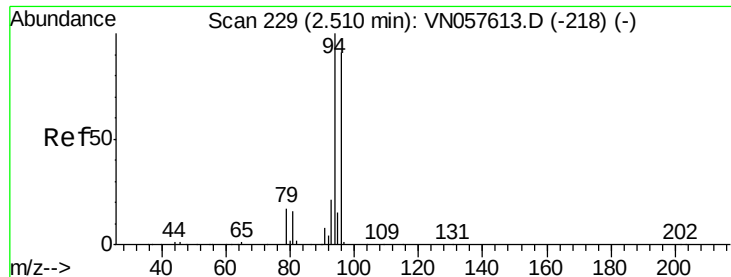
Tgt Ion: 62 Resp: 56276

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 22.568 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

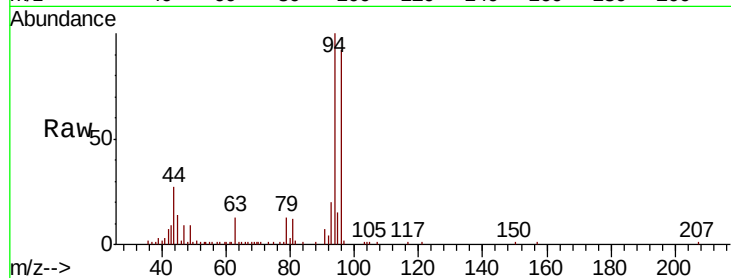
VN0902MBSD01

Tgt Ion: 94 Resp: 38673

Ion Ratio Lower Upper

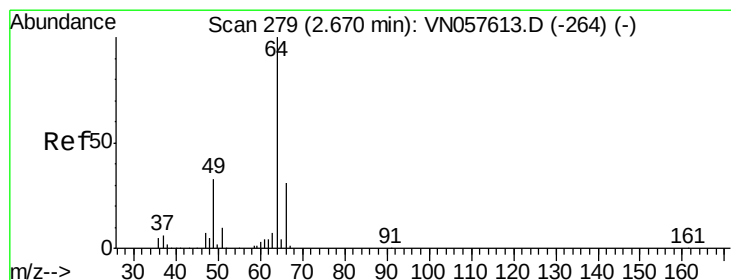
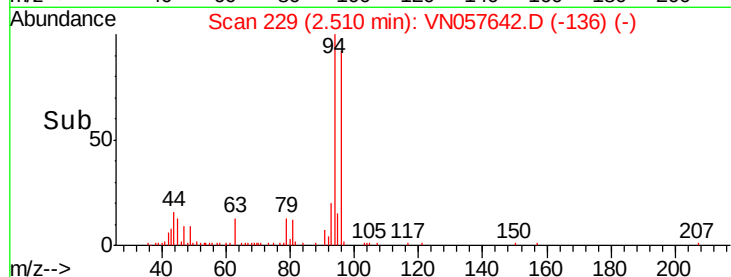
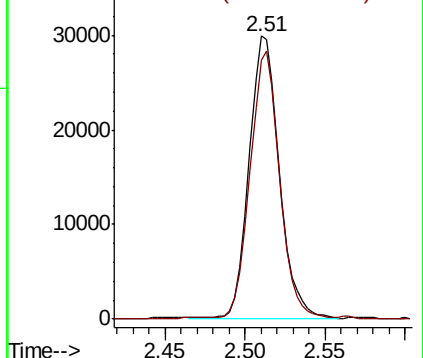
94 100

96 90.9 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.550 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN057642.D

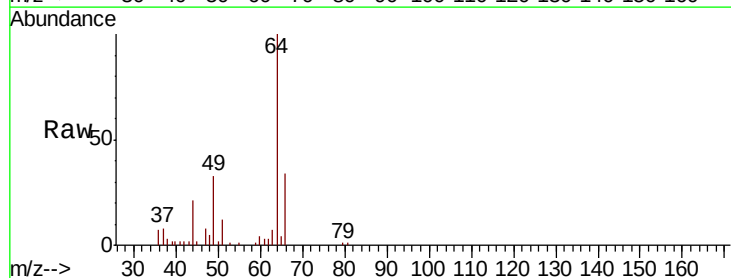
Acq: 1 Sep 2019 14:21

Tgt Ion: 64 Resp: 32601

Ion Ratio Lower Upper

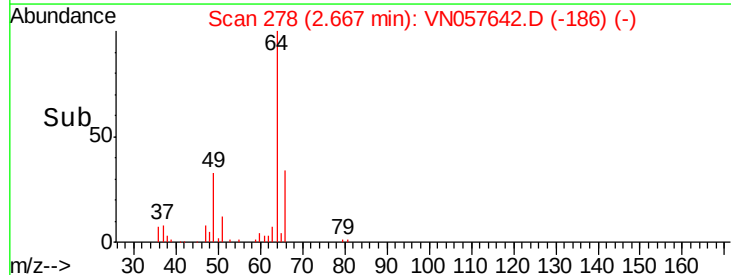
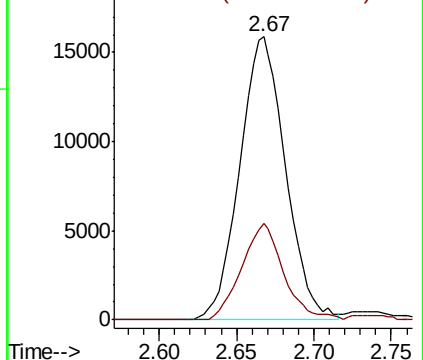
64 100

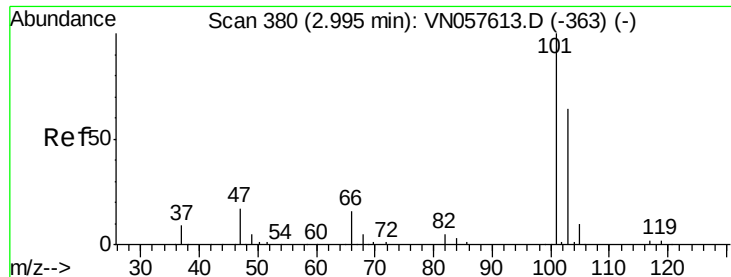
66 34.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



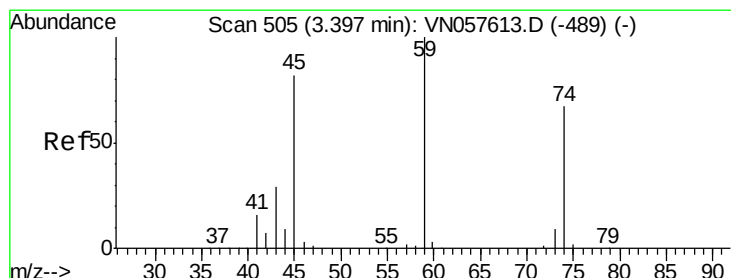
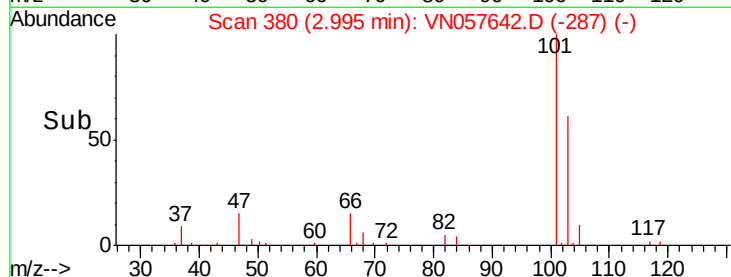
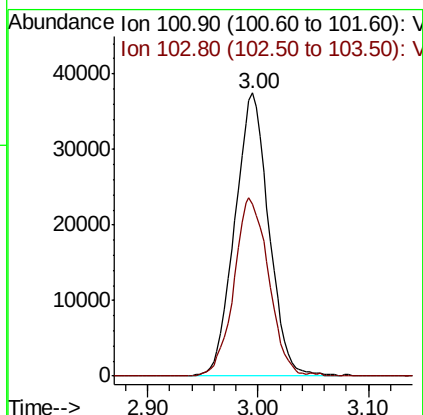
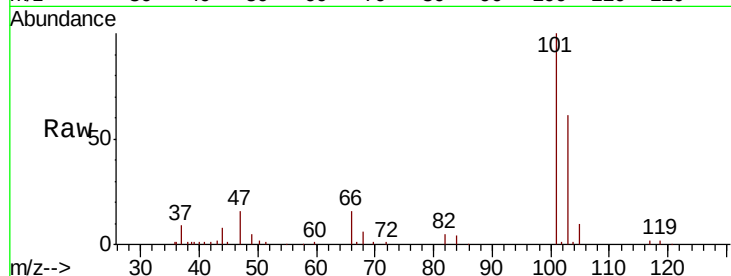


#7

Trichlorofluoromethane
 Concen: 21.054 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

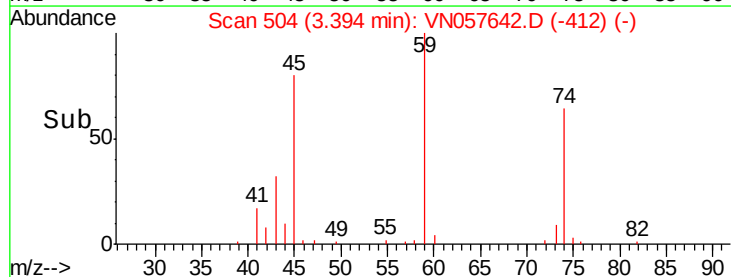
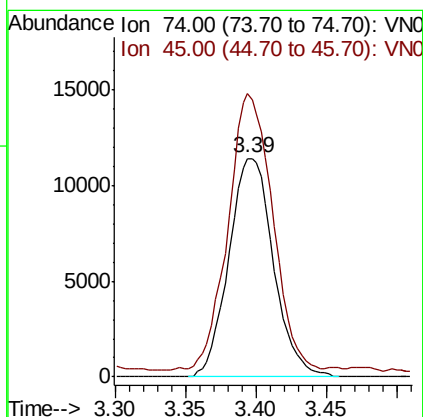
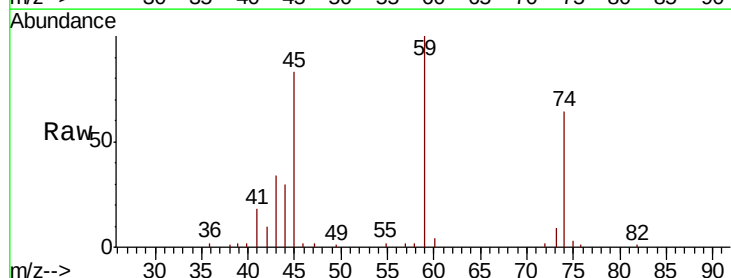
Tgt Ion:101 Resp: 80039
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.3 76.9

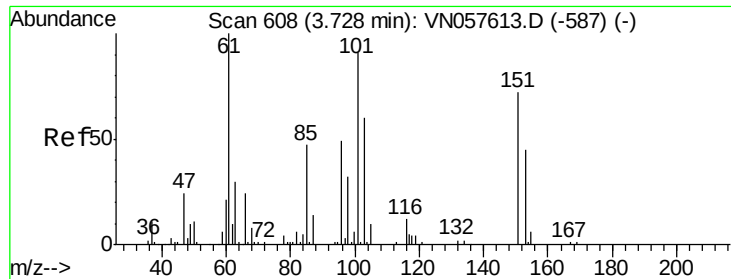


#8

Diethyl Ether
 Concen: 20.065 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 74 Resp: 25241
 Ion Ratio Lower Upper
 74 100
 45 125.9 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.440 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

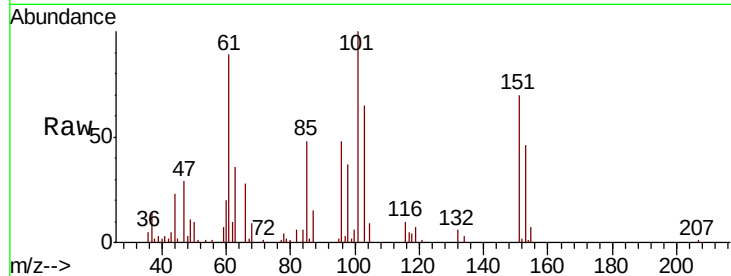
Tgt Ion:101 Resp: 39395

Ion Ratio Lower Upper

101 100

85 52.3 42.1 63.1

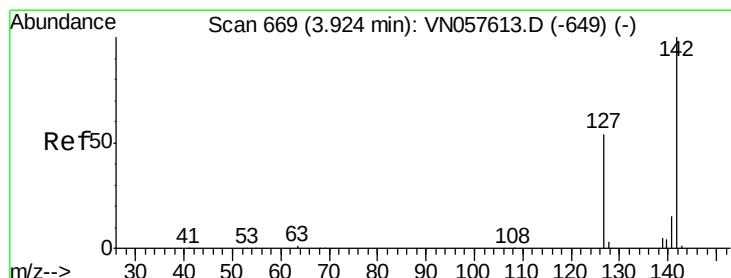
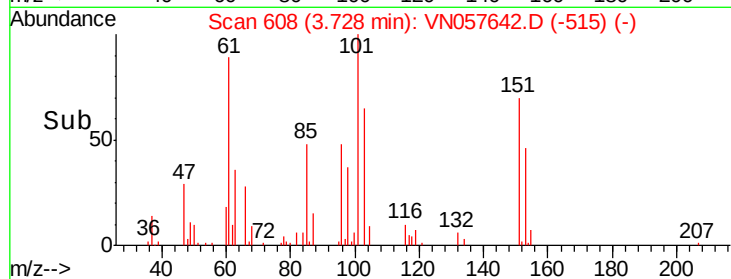
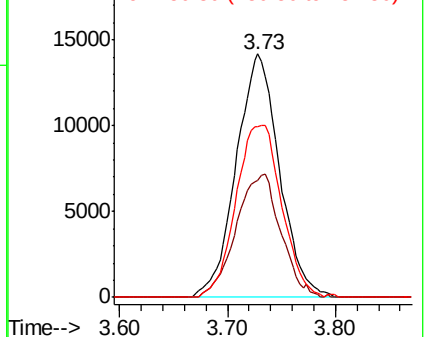
151 74.8 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.572 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

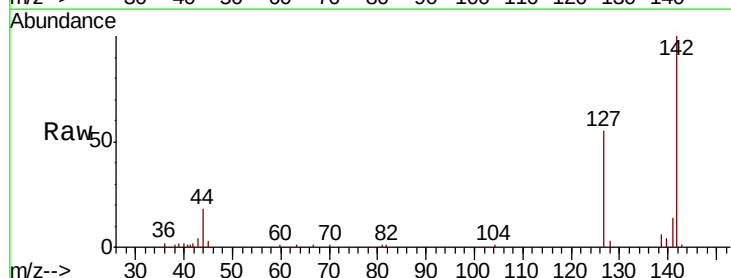
Tgt Ion:142 Resp: 51193

Ion Ratio Lower Upper

142 100

127 52.7 43.0 64.6

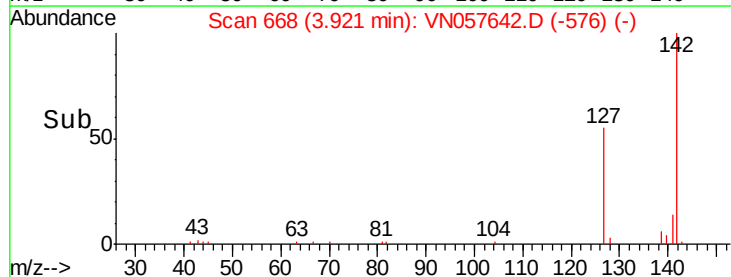
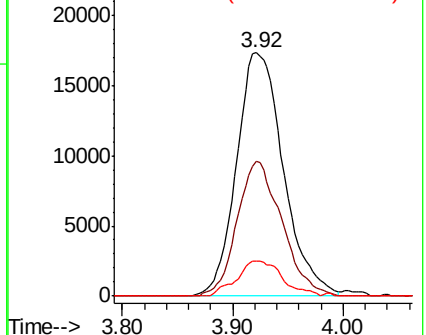
141 14.0 11.4 17.2

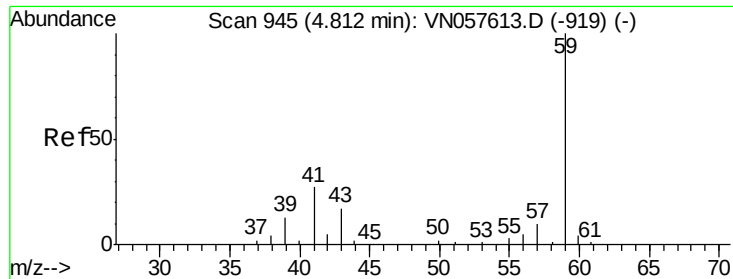


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

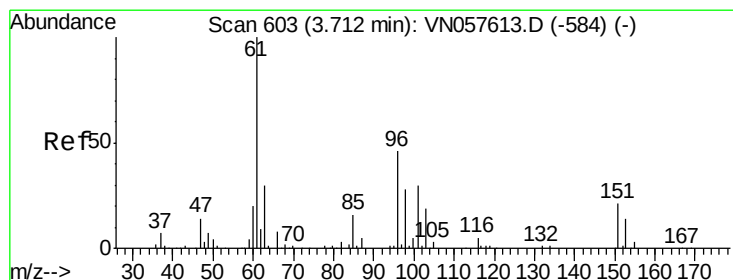
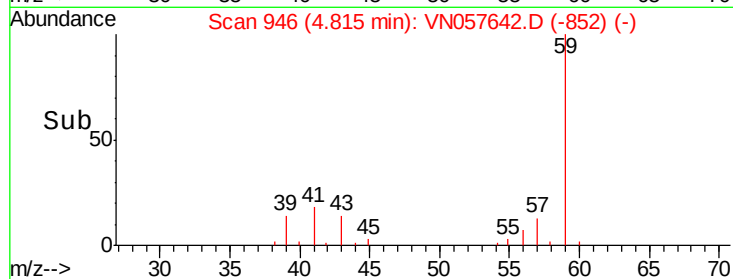
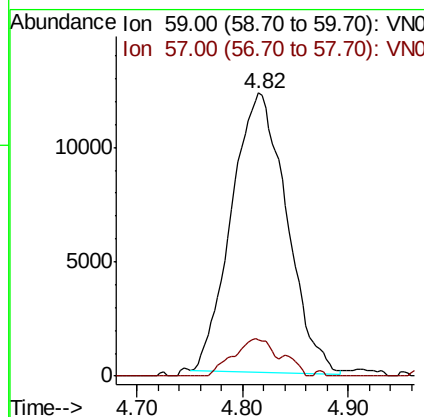
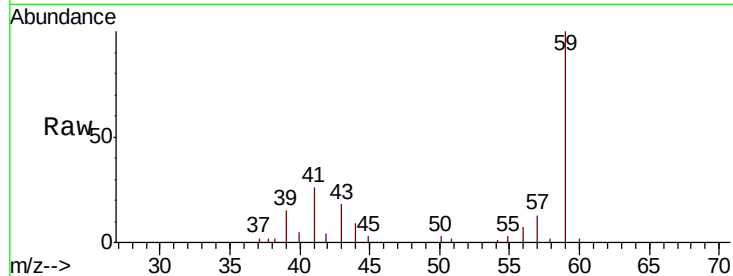




#11
Tert butyl alcohol
Concen: 99.849 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

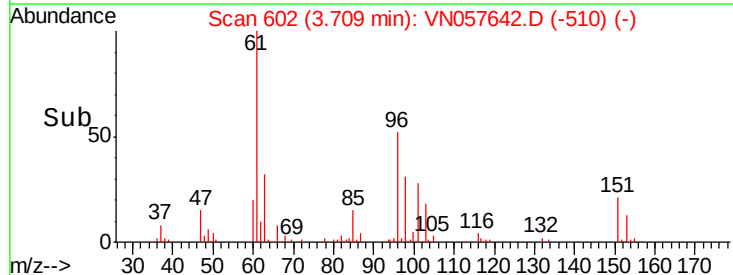
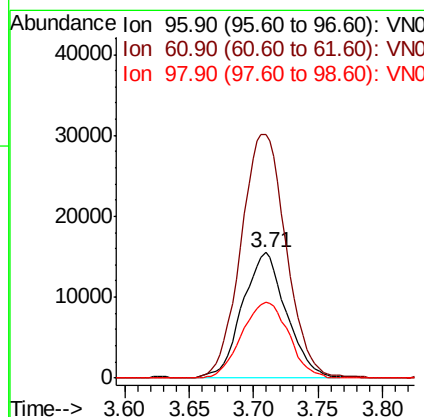
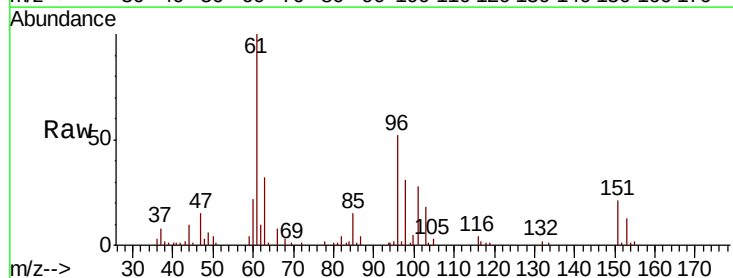
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

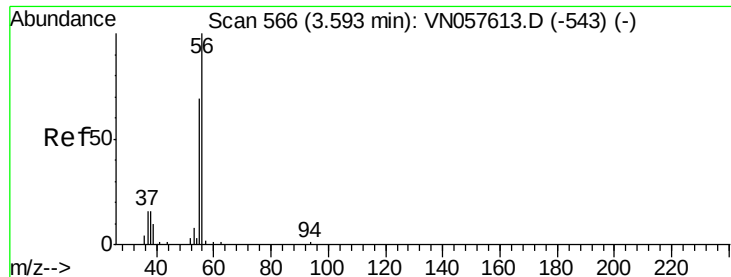
Tgt Ion: 59 Resp: 44373
Ion Ratio Lower Upper
59 100
57 9.4 5.0 7.6#



#12
1,1-Dichloroethene
Concen: 21.047 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 96 Resp: 36771
Ion Ratio Lower Upper
96 100
61 193.9 172.1 258.1
98 60.3 48.3 72.5





#13

Acrolein

Concen: 91.128 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

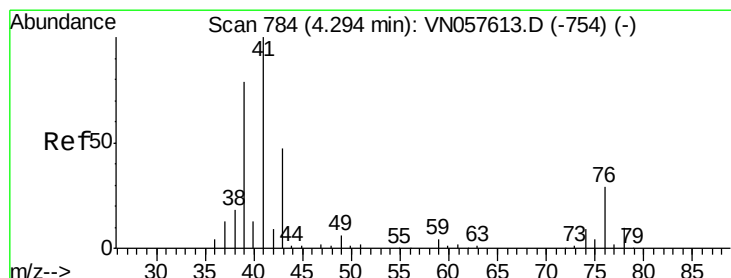
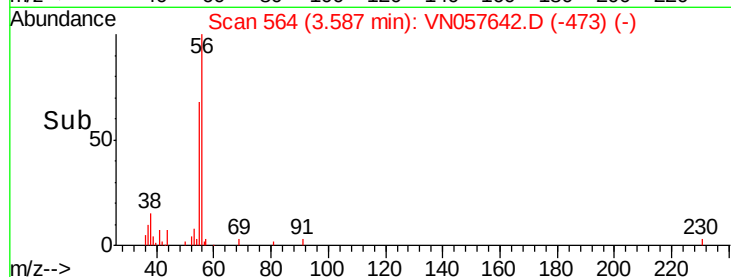
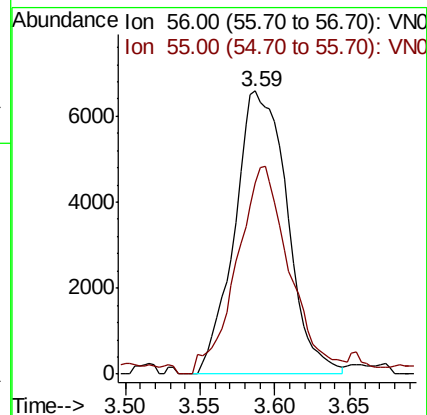
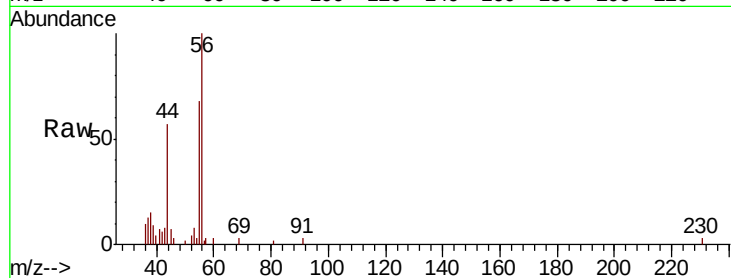
VN0902MBSD01

Tgt Ion: 56 Resp: 16102

Ion Ratio Lower Upper

56 100

55 73.8 56.5 84.7



#14

Allyl chloride

Concen: 18.924 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

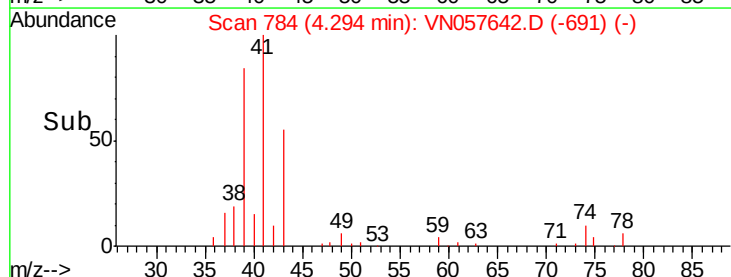
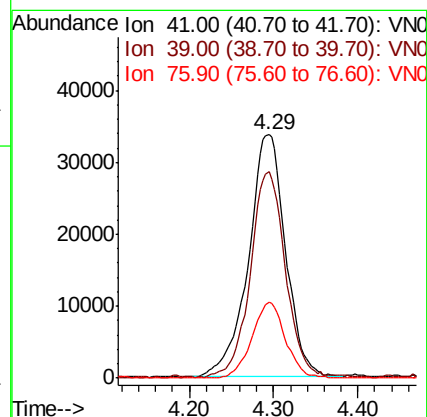
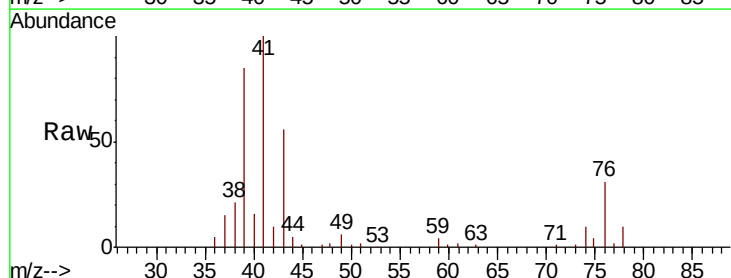
Tgt Ion: 41 Resp: 103145

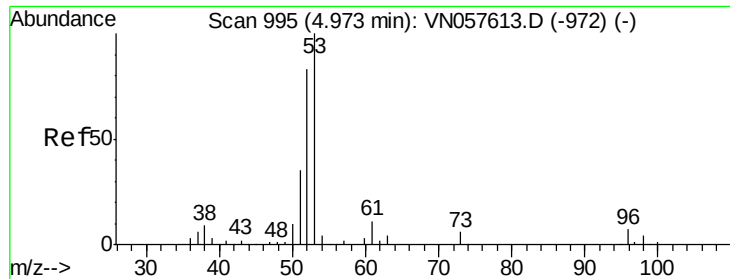
Ion Ratio Lower Upper

41 100

39 80.7 60.9 91.3

76 28.2 21.1 31.7





#15

Acrylonitrile

Concen: 100.171 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

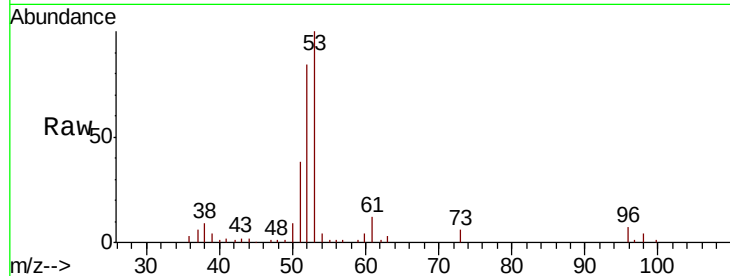
Tgt Ion: 53 Resp: 133578

Ion Ratio Lower Upper

53 100

52 85.6 67.1 100.7

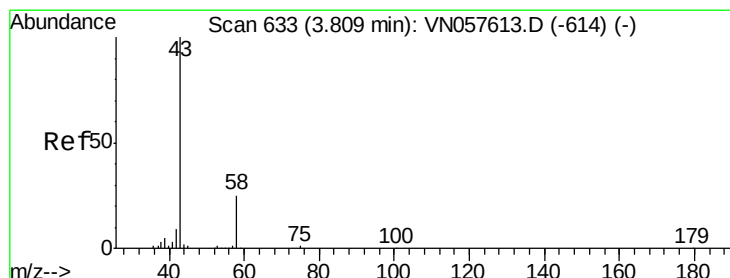
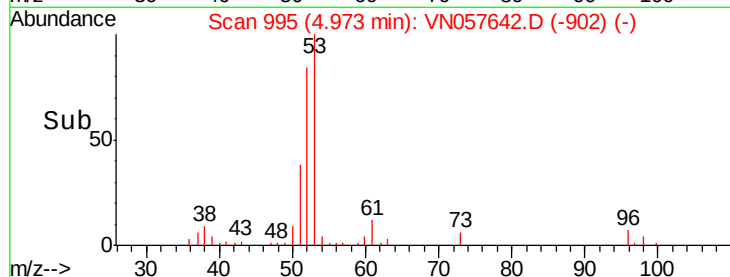
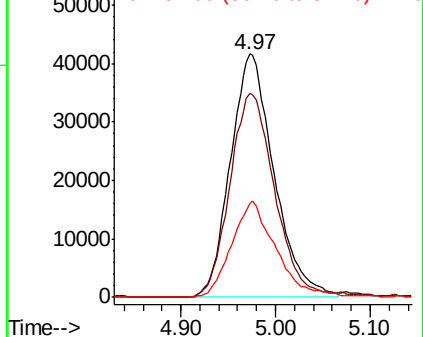
51 39.9 30.2 45.4



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: 92.177 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057642.D

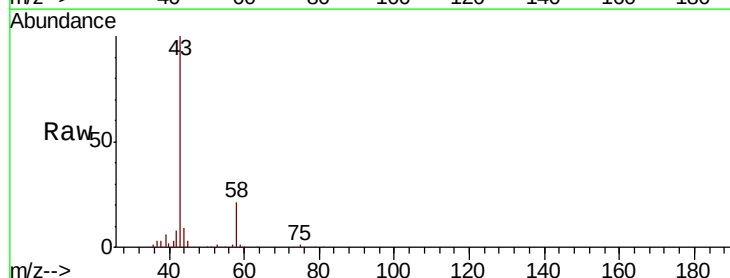
Acq: 1 Sep 2019 14:21

Tgt Ion: 43 Resp: 109456

Ion Ratio Lower Upper

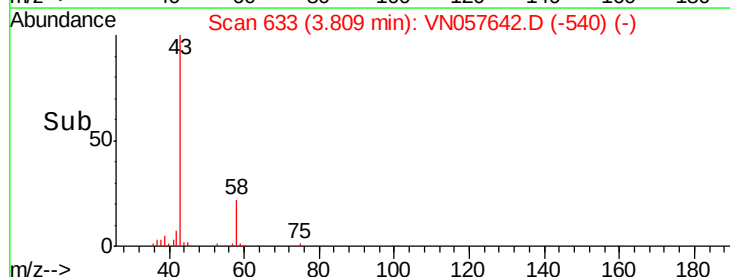
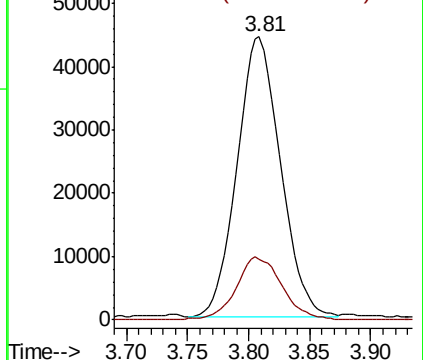
43 100

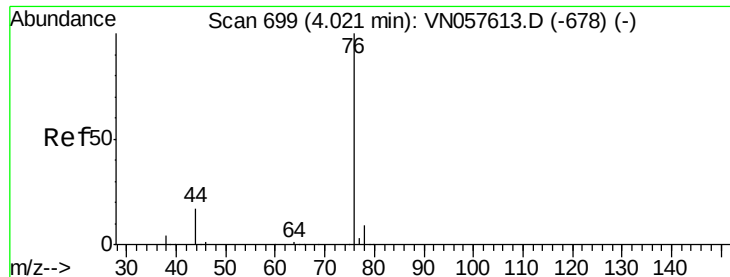
58 21.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

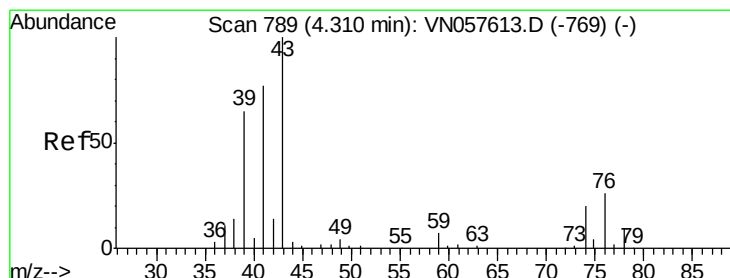
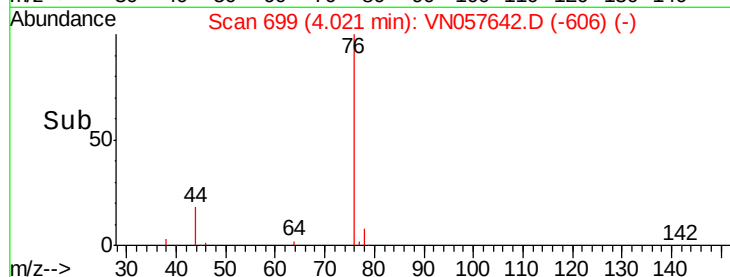
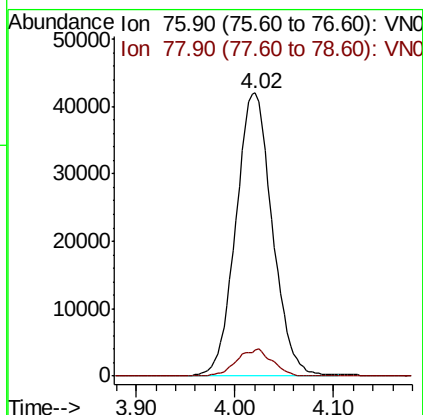
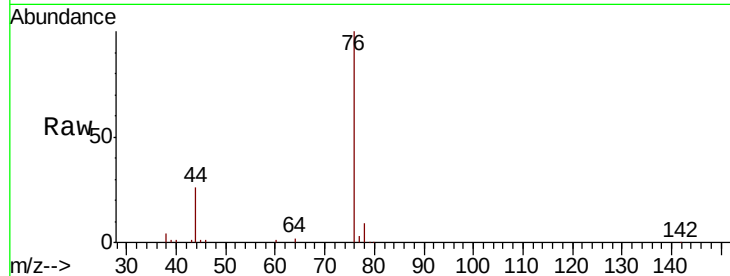




#17
Carbon Disulfide
Concen: 19.018 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

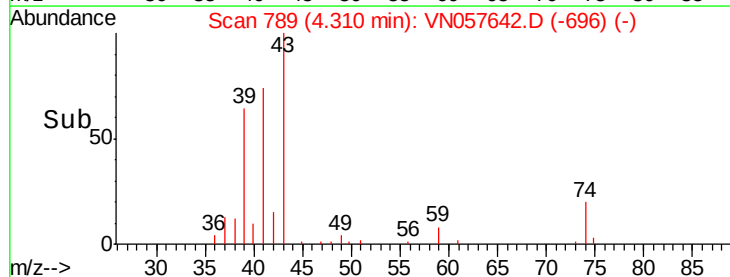
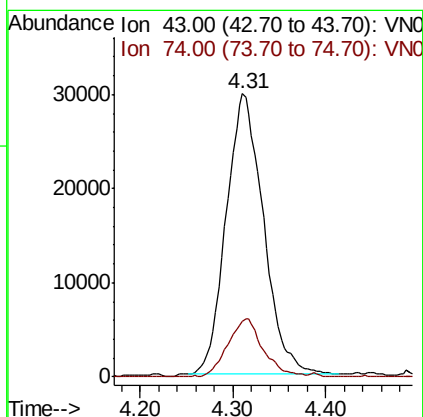
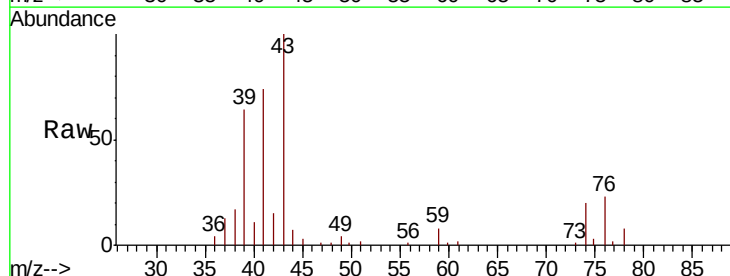
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

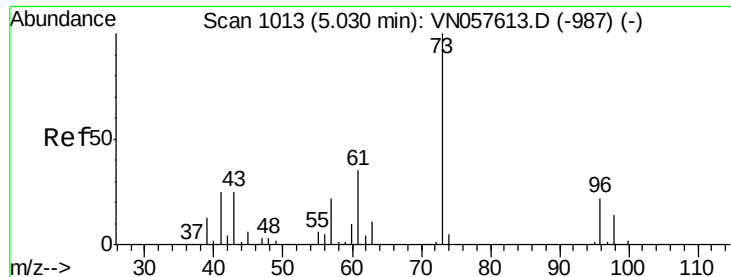
Tgt Ion: 76 Resp: 107418
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 20.366 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 43 Resp: 83037
Ion Ratio Lower Upper
43 100
74 19.6 15.7 23.5

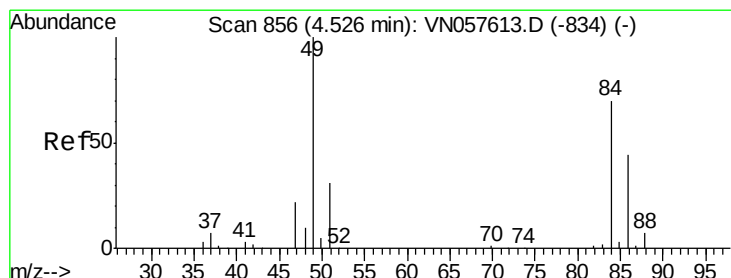
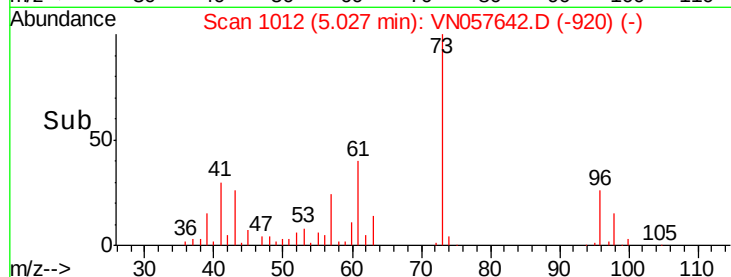
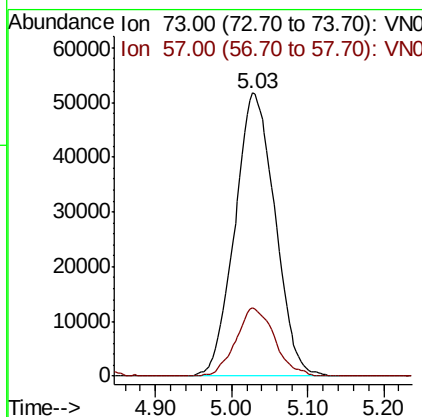
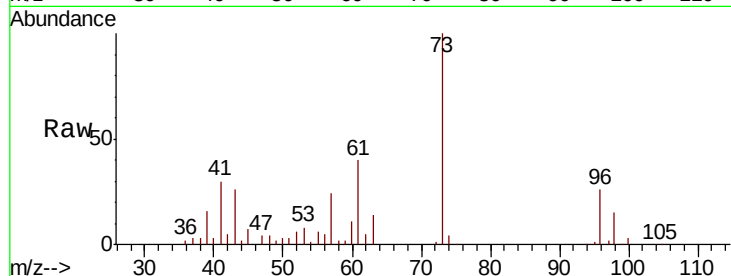




#19
Methyl tert-butyl Ether
Concen: 20.977 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

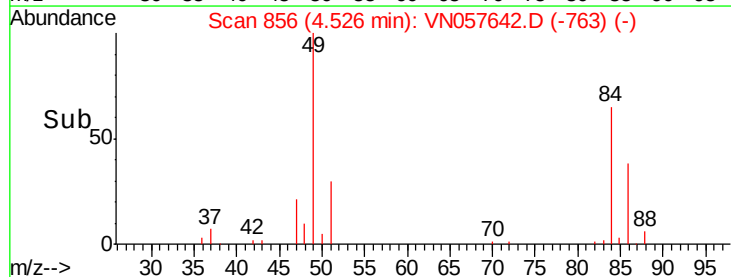
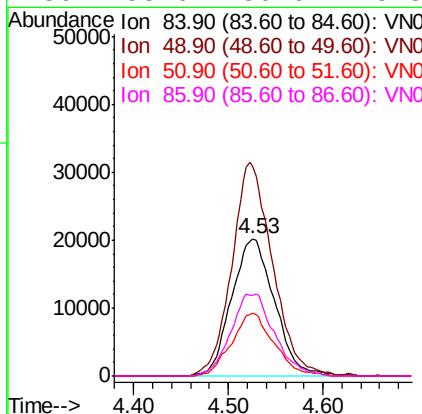
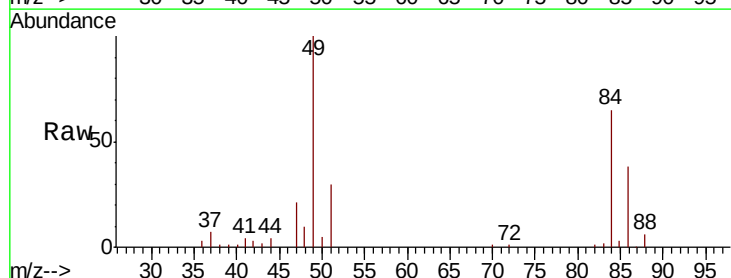
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

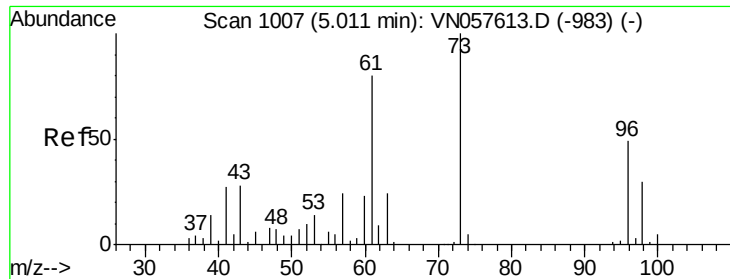
Tgt Ion: 73 Resp: 189607
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9



#20
Methylene Chloride
Concen: 21.596 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 84 Resp: 63488
Ion Ratio Lower Upper
84 100
49 153.3 113.8 170.6
51 45.3 35.0 52.6
86 58.6 50.6 75.8

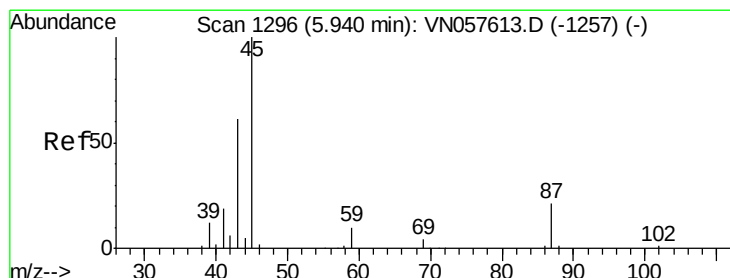
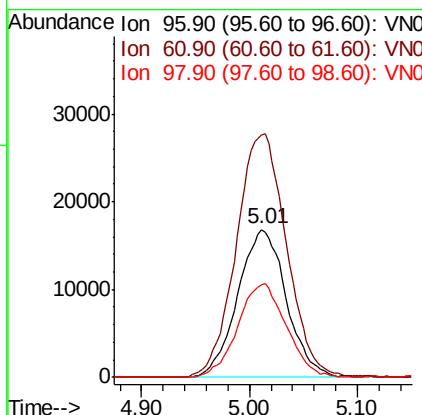
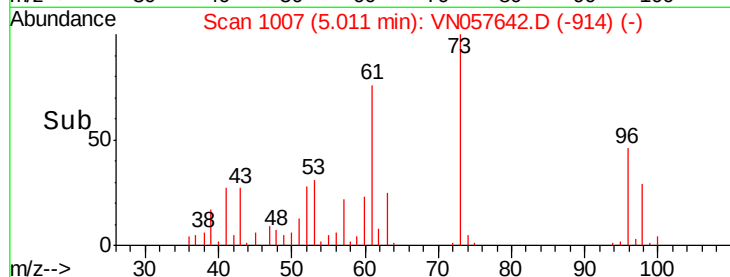
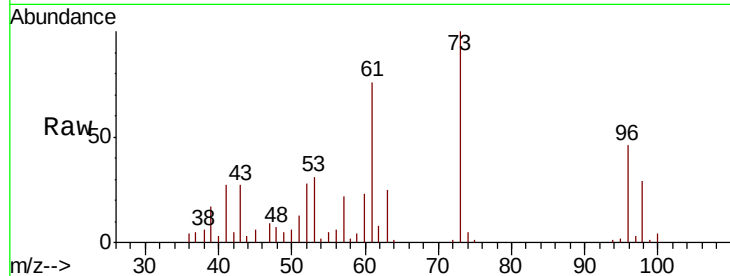




#21
trans-1,2-Dichloroethene
Concen: 20.219 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

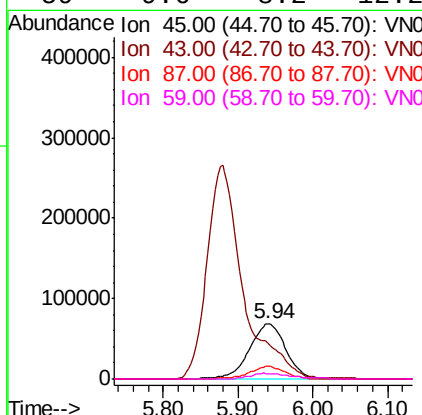
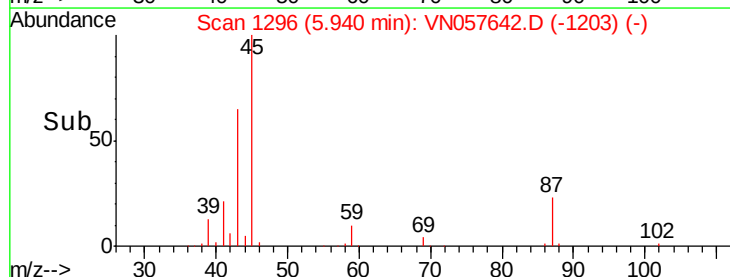
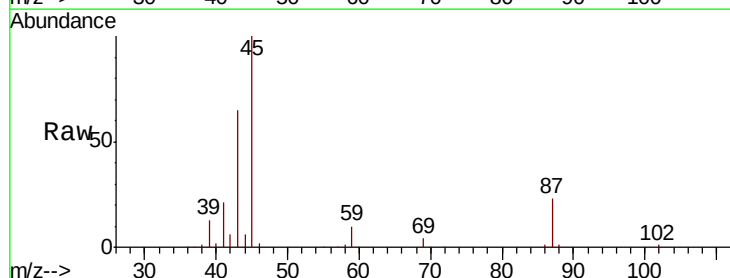
Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

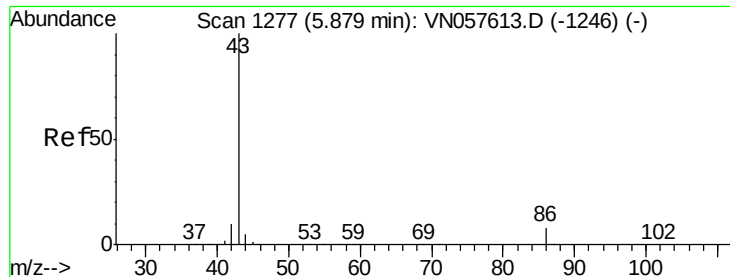
Tgt Ion: 96 Resp: 52517
Ion Ratio Lower Upper
96 100
61 164.2 131.6 197.4
98 63.1 49.9 74.9



#22
Diisopropyl ether
Concen: 20.781 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 45 Resp: 232842
Ion Ratio Lower Upper
45 100
43 64.0 49.1 73.7
87 23.2 17.0 25.6
59 9.6 8.2 12.2

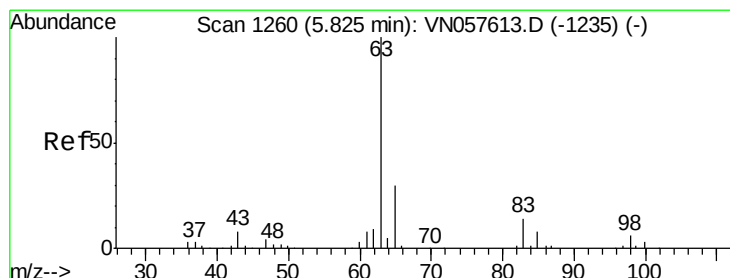
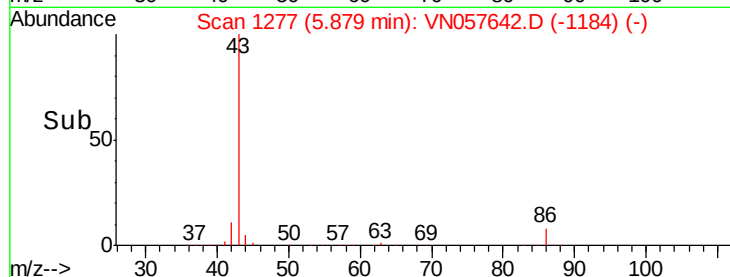
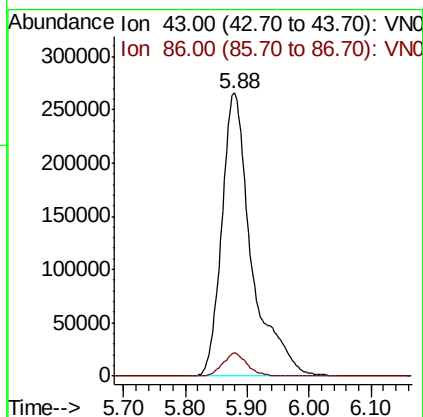
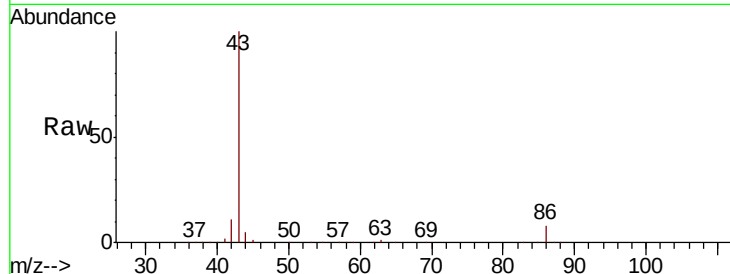




#23
 Vinyl Acetate
 Concen: 102.853 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

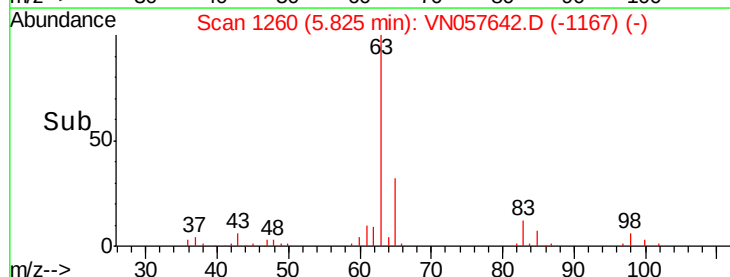
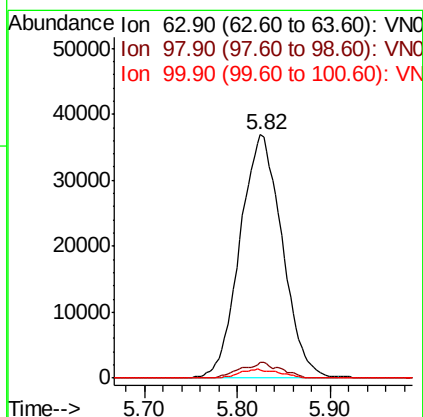
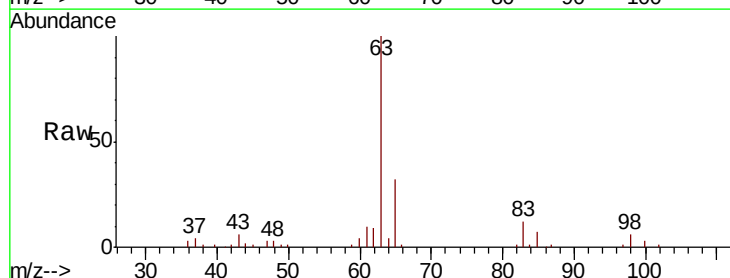
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

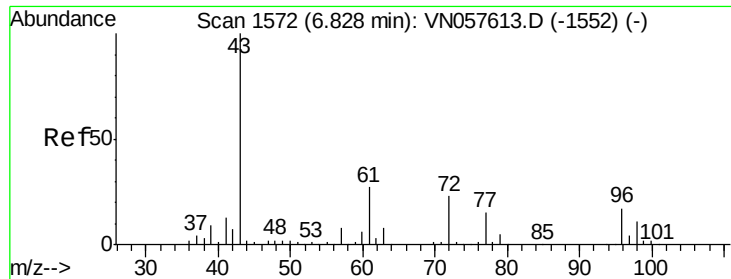
Tgt Ion: 43 Resp: 885663
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.1 9.1



#24
 1,1-Dichloroethane
 Concen: 20.699 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 63 Resp: 116419
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 3.4 1.5 4.5

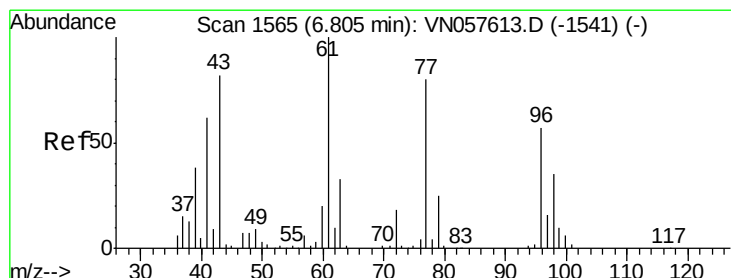
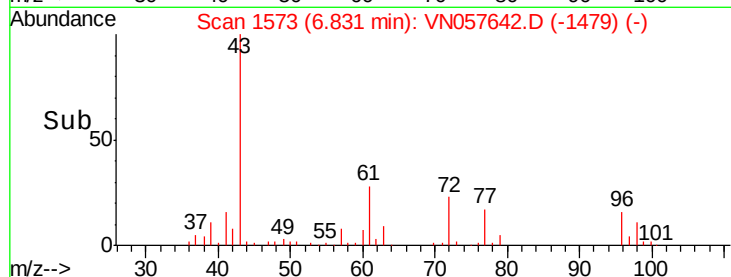
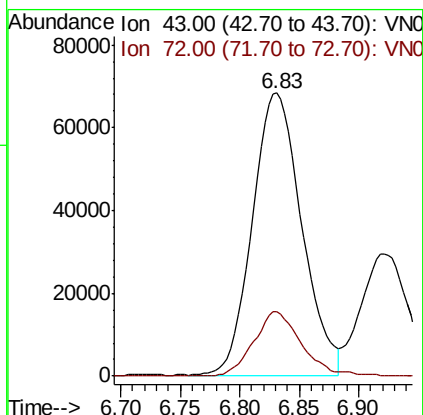
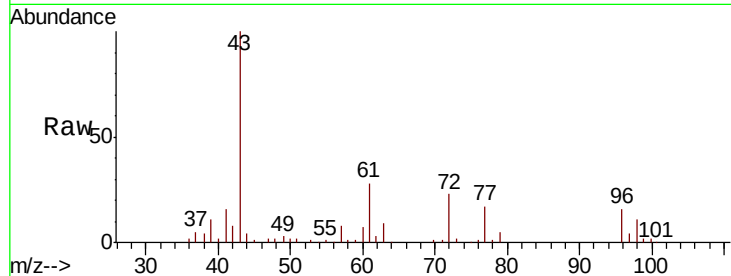




#25
2-Butanone
Concen: 98.743 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

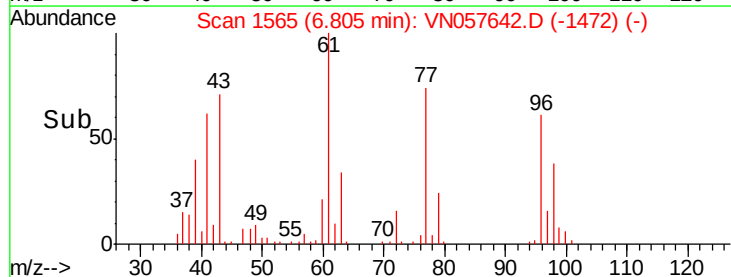
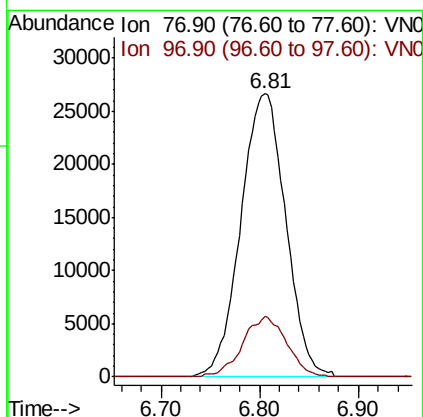
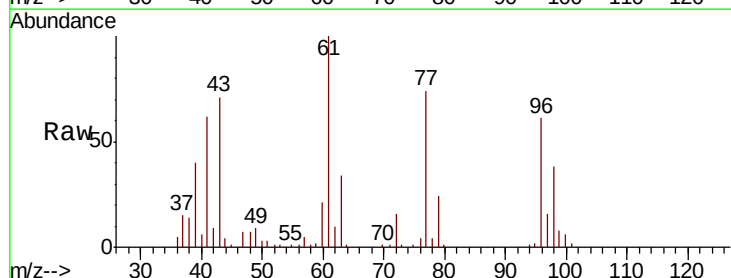
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

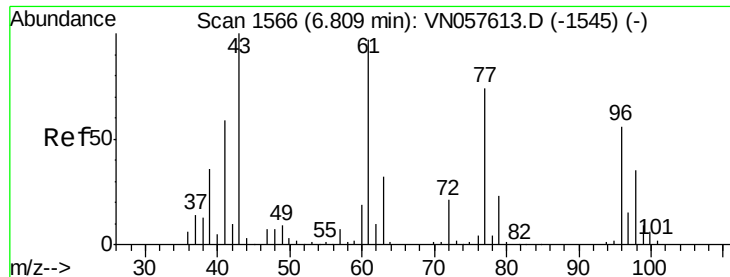
Tgt Ion: 43 Resp: 195380
Ion Ratio Lower Upper
43 100
72 23.0 18.2 27.4



#26
2,2-Dichloropropane
Concen: 18.645 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 77 Resp: 83820
Ion Ratio Lower Upper
77 100
97 20.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

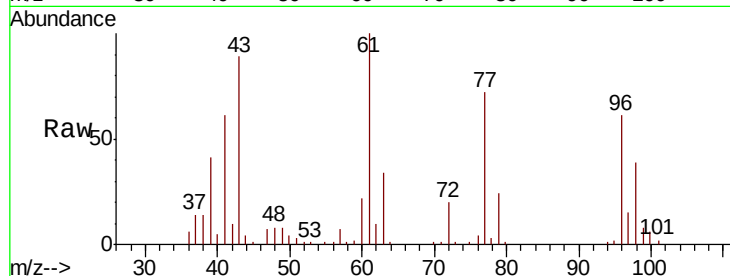
Tgt Ion: 96 Resp: 63366

Ion Ratio Lower Upper

96 100

61 171.5 0.0 344.6

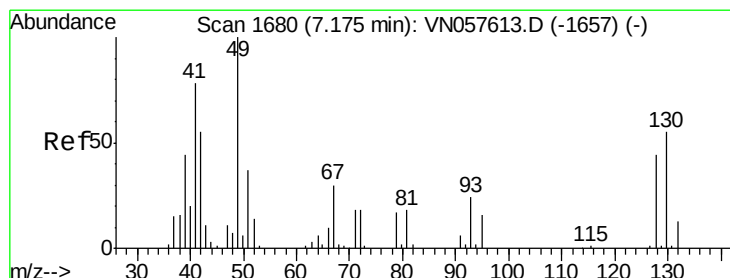
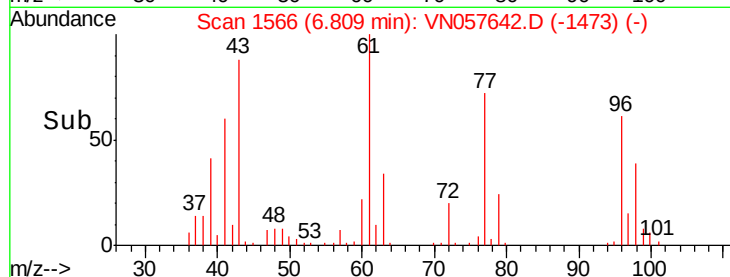
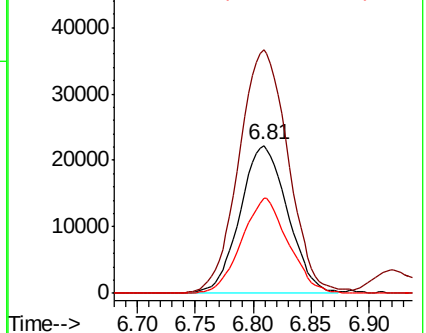
98 63.5 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.036 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

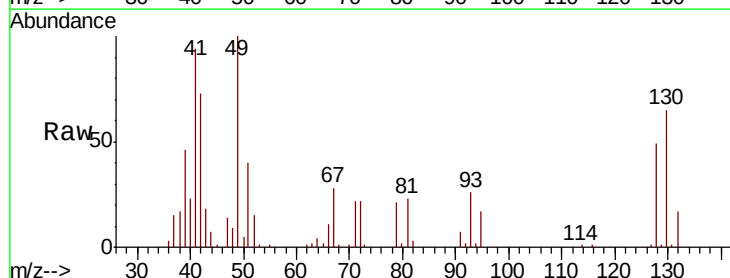
Tgt Ion: 49 Resp: 57013

Ion Ratio Lower Upper

49 100

129 1.2 0.0 1.8

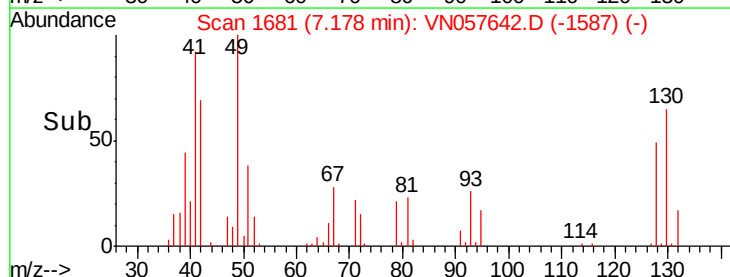
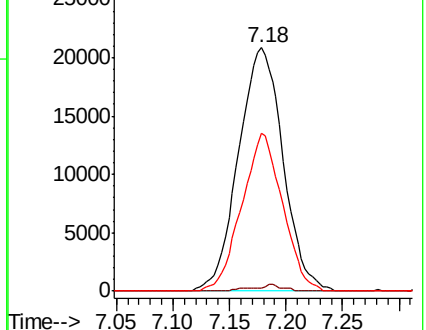
130 59.2 45.8 68.8

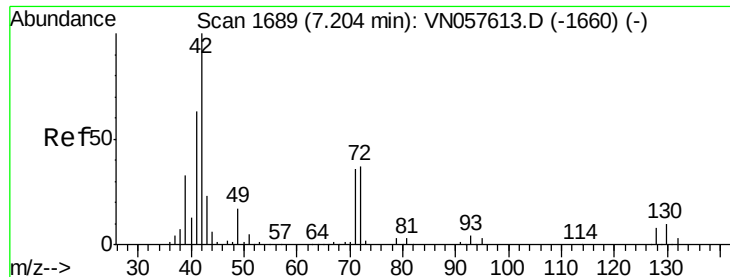


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

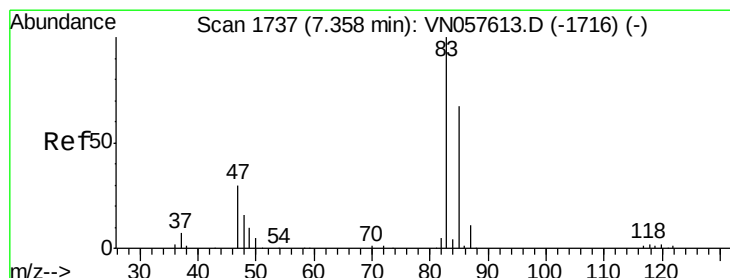
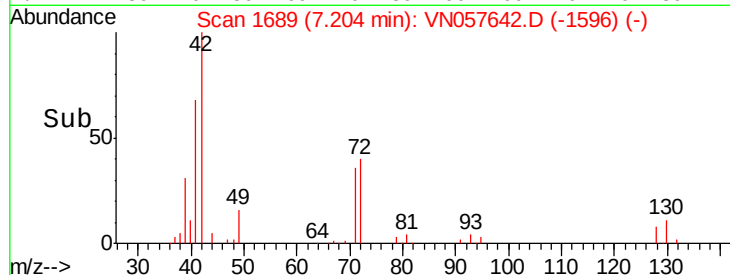
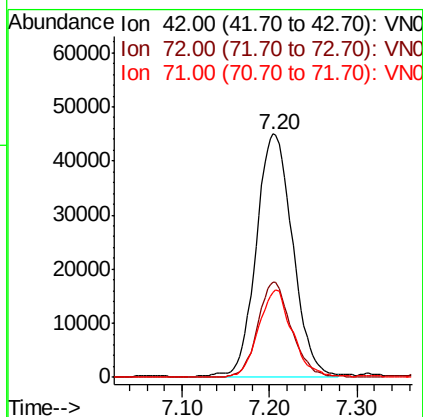
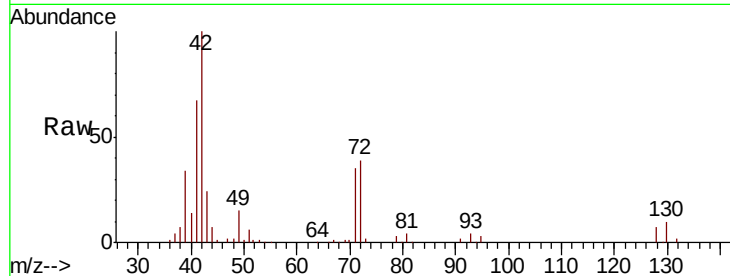




#29
Tetrahydrofuran
Concen: 104.832 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

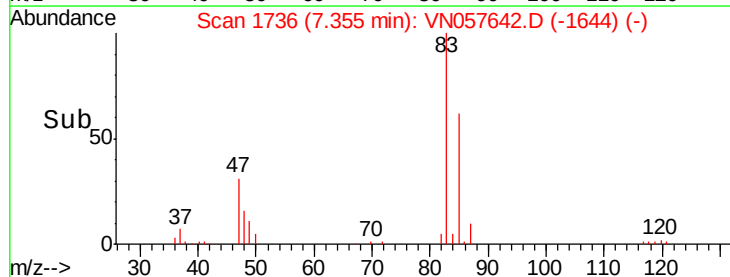
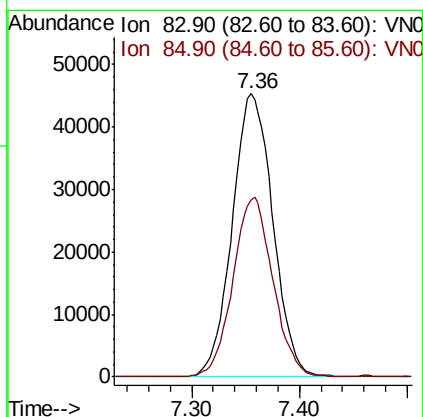
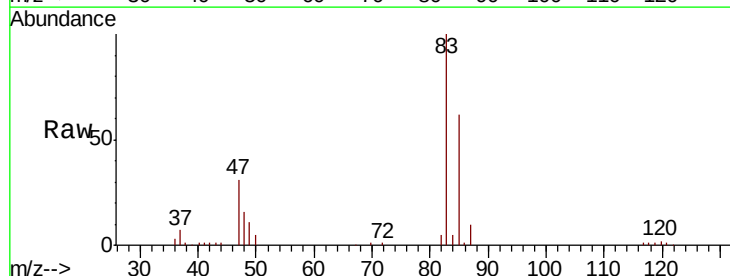
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

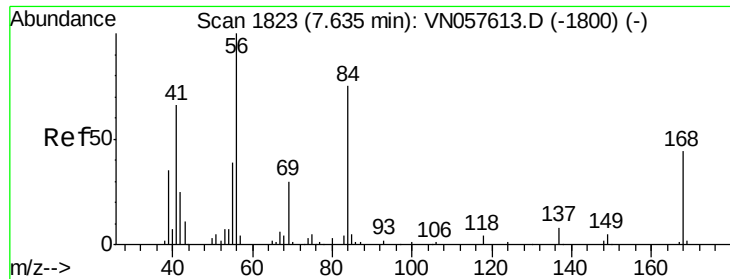
Tgt Ion: 42 Resp: 130135
Ion Ratio Lower Upper
42 100
72 36.1 29.6 44.4
71 33.4 27.9 41.9



#30
Chloroform
Concen: 20.739 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 83 Resp: 118332
Ion Ratio Lower Upper
83 100
85 62.1 53.2 79.8

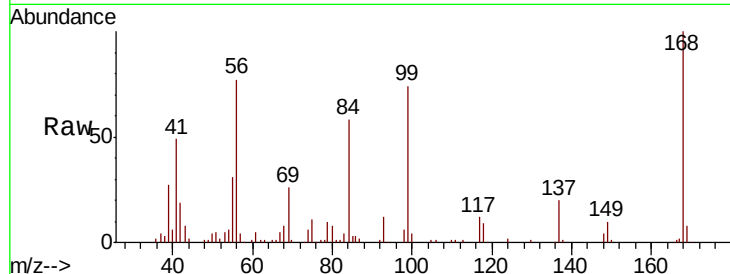




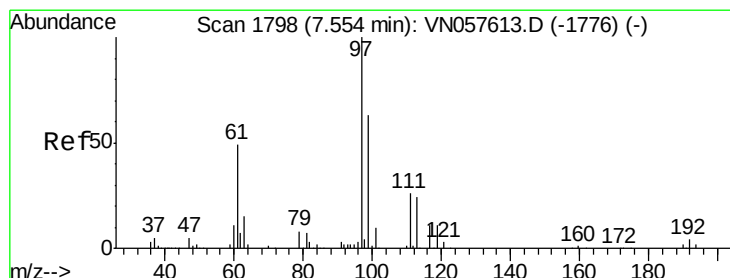
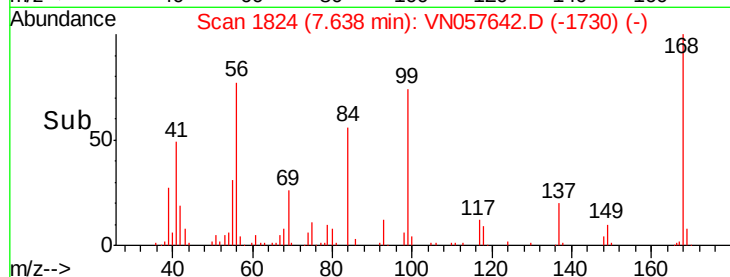
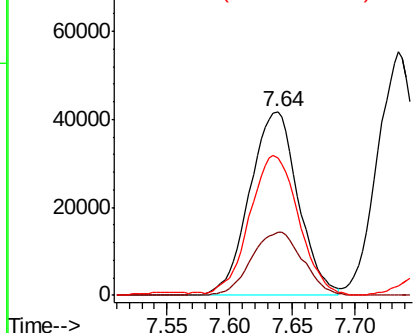
#31
Cyclohexane
Concen: 19.940 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tgt Ion: 56 Resp: 111929
Ion Ratio Lower Upper
56 100
69 34.3 24.4 36.6
84 73.7 59.9 89.9

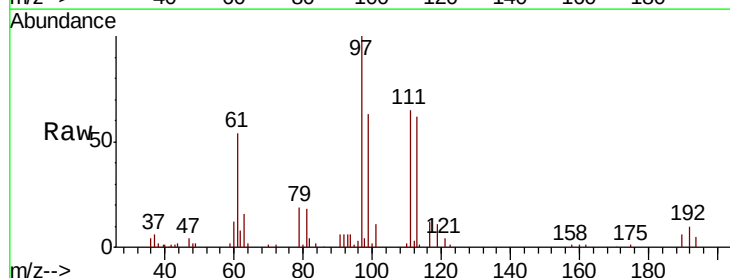


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

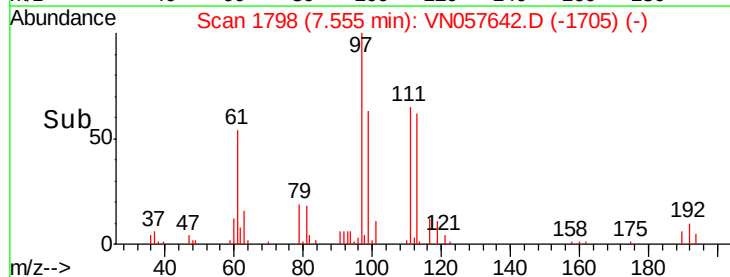
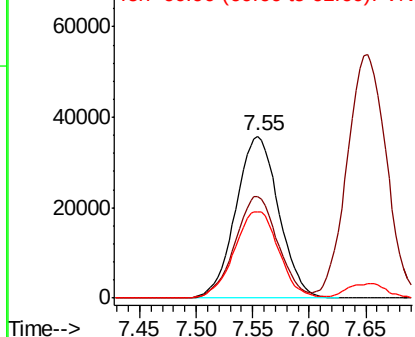


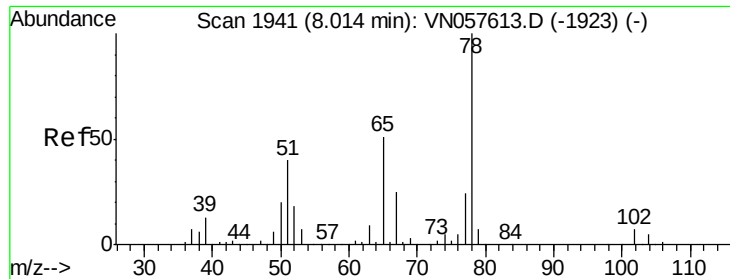
#32
1,1,1-Trichloroethane
Concen: 20.177 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 97 Resp: 94438
Ion Ratio Lower Upper
97 100
99 62.9 50.6 75.8
61 55.4 41.1 61.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

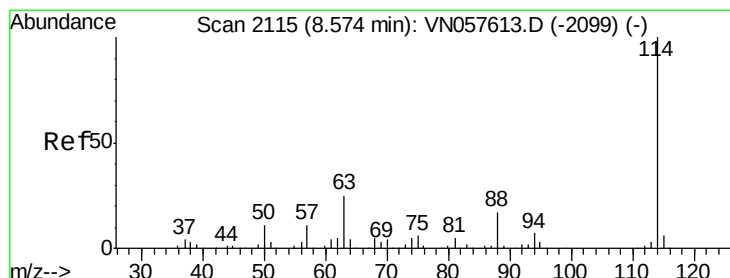
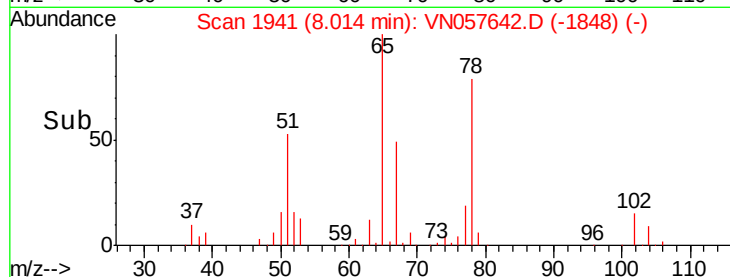
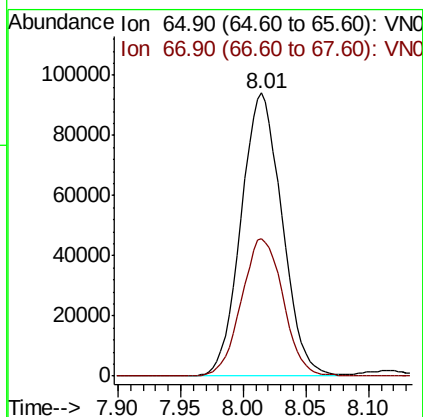
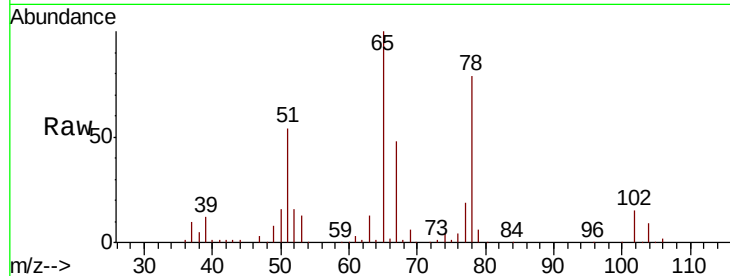




#33
 1,2-Dichloroethane-d4
 Concen: 50.566 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

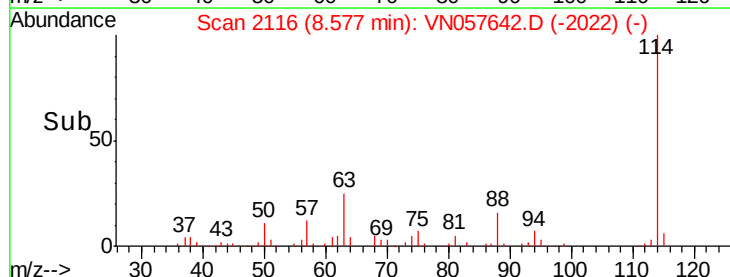
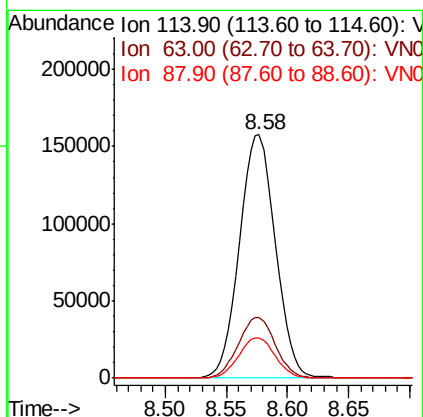
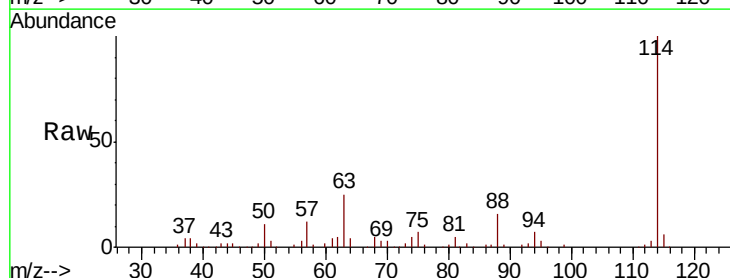
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

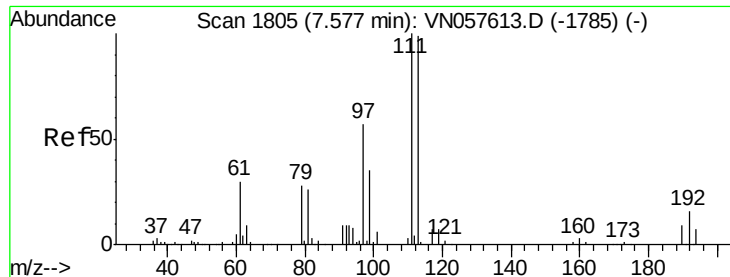
Tgt Ion: 65 Resp: 214251
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 114 Resp: 320904
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.0
 88 16.4 0.0 33.0

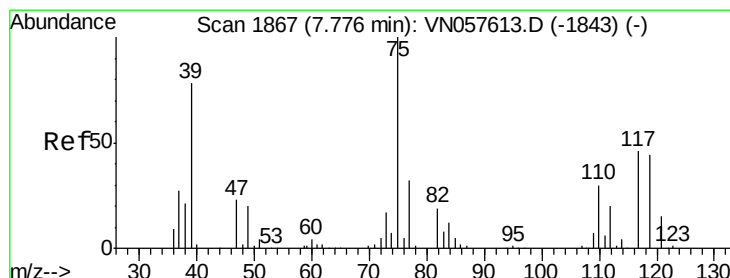
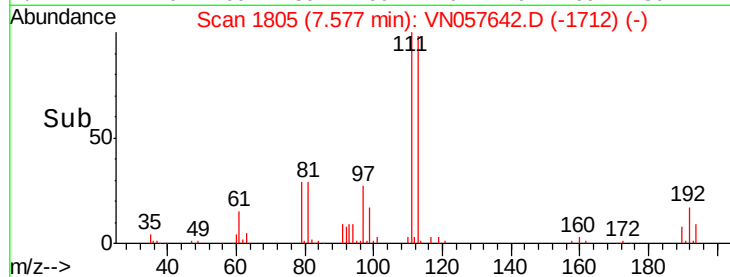
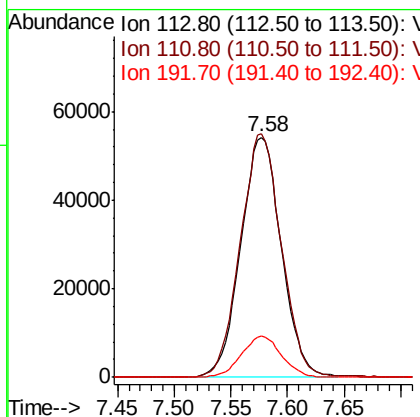
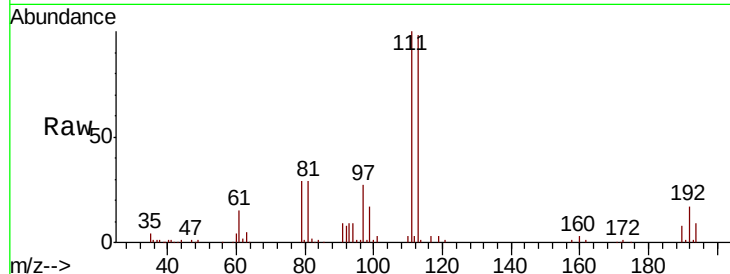




#35
 Dibromofluoromethane
 Concen: 48.270 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

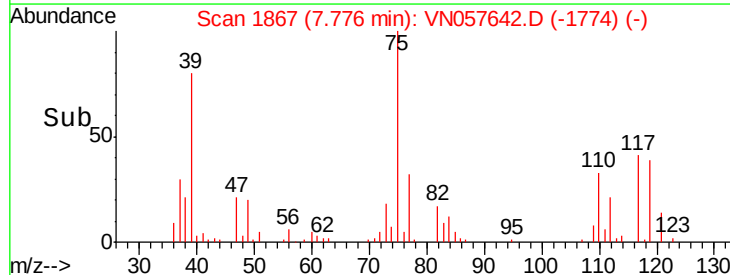
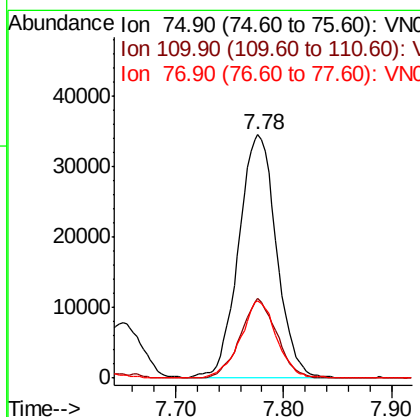
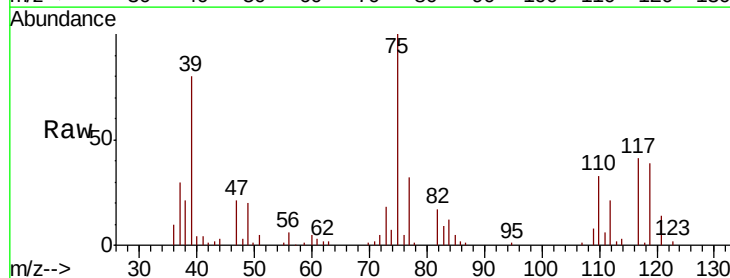
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

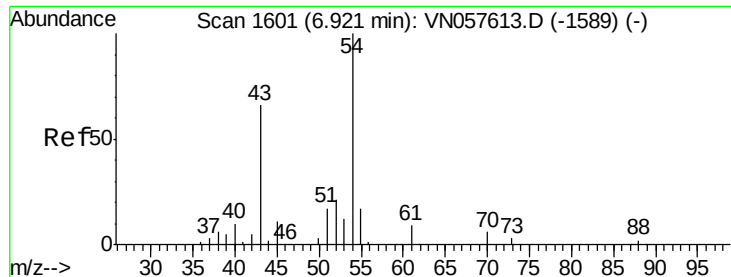
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	17.1	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 19.810 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.6	46.8
77	30.2	24.9	37.3

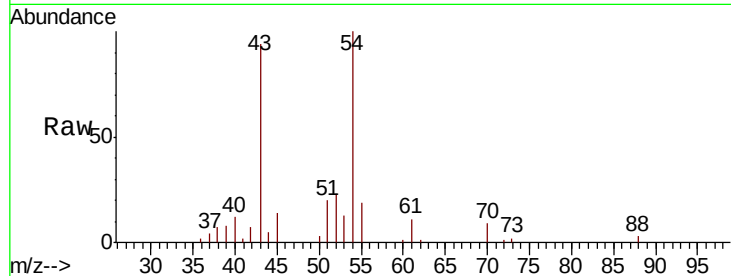




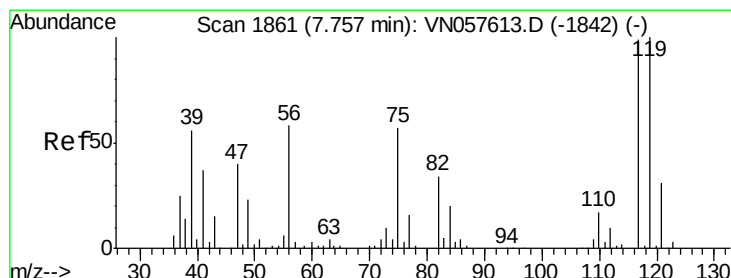
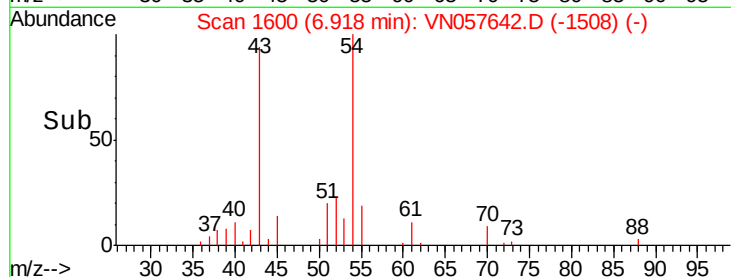
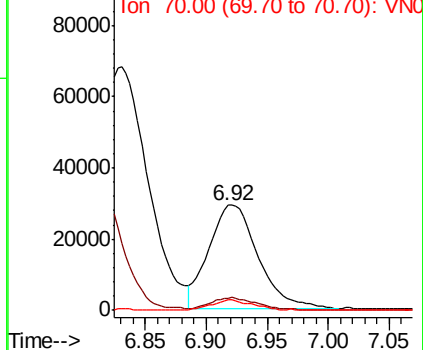
#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tgt Ion: 43 Resp: 82387
Ion Ratio Lower Upper
43 100
61 11.8 10.1 15.1
70 8.5 6.8 10.2

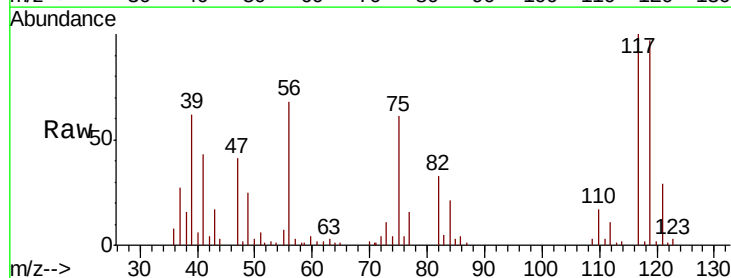


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

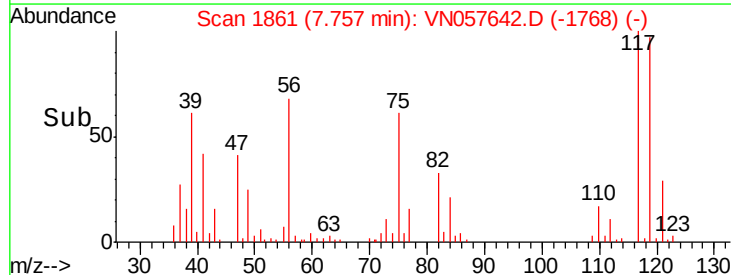
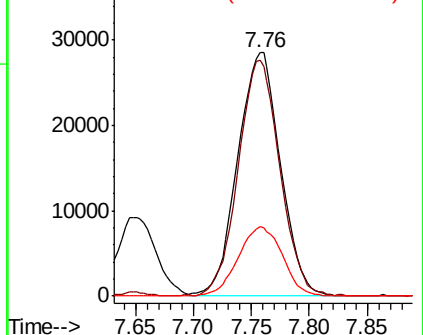


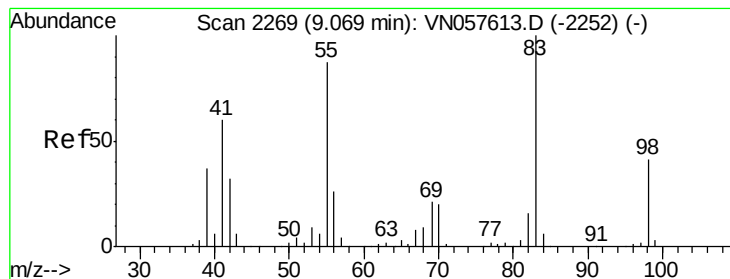
#38
Carbon Tetrachloride
Concen: 19.225 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 117 Resp: 73215
Ion Ratio Lower Upper
117 100
119 96.5 80.6 120.8
121 28.7 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 20.092 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

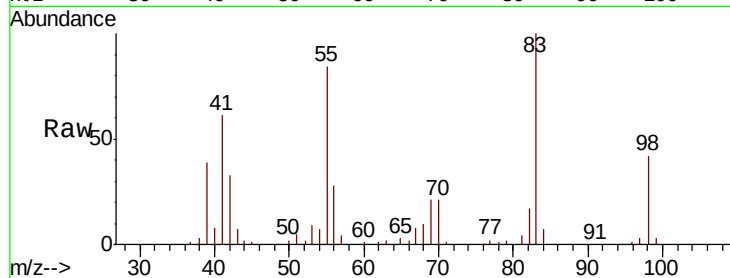
Tgt Ion: 83 Resp: 100997

Ion Ratio Lower Upper

83 100

55 83.6 69.8 104.8

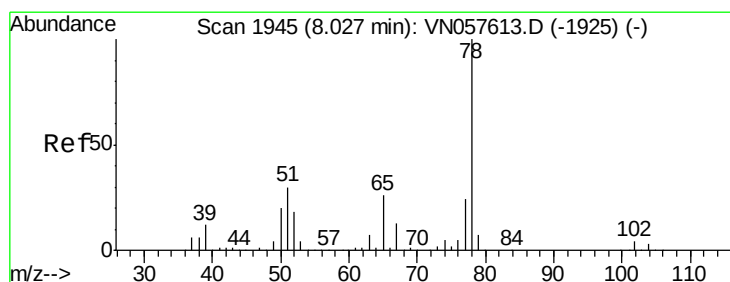
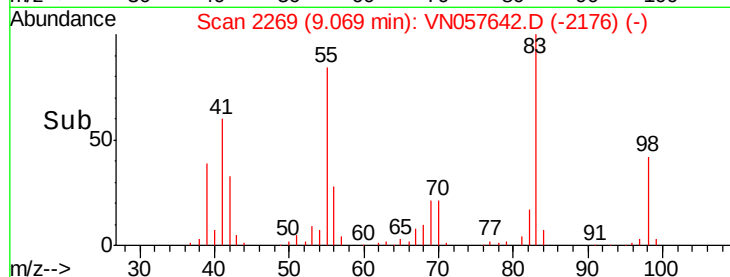
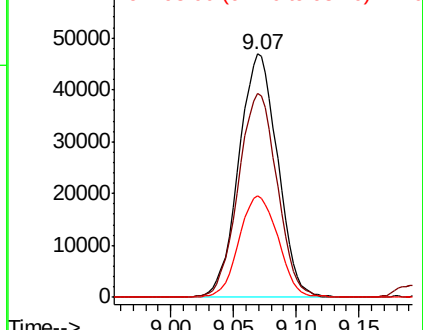
98 41.8 32.7 49.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.941 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN057642.D

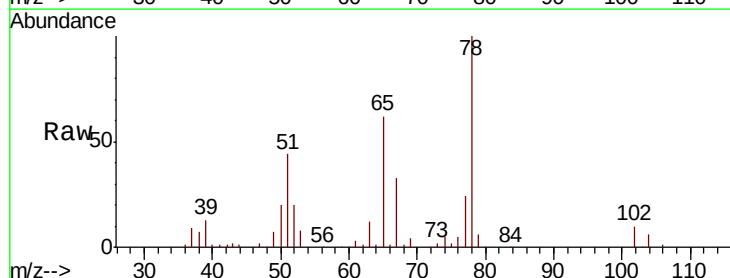
Acq: 1 Sep 2019 14:21

Tgt Ion: 78 Resp: 246958

Ion Ratio Lower Upper

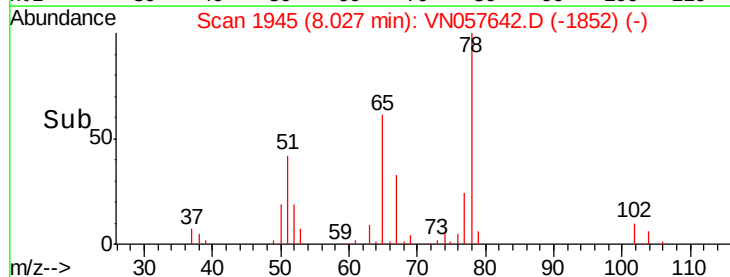
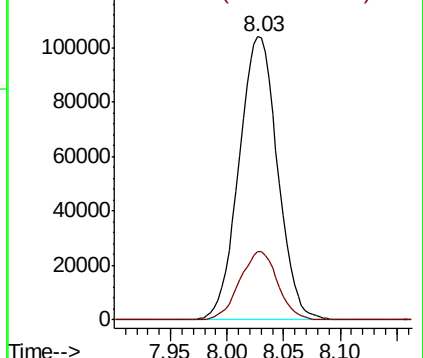
78 100

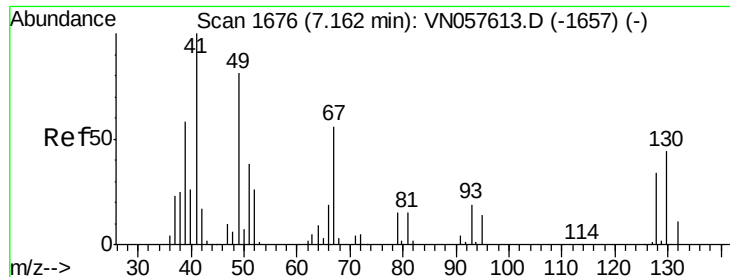
77 24.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 17.525 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tgt Ion: 41 Resp: 36283

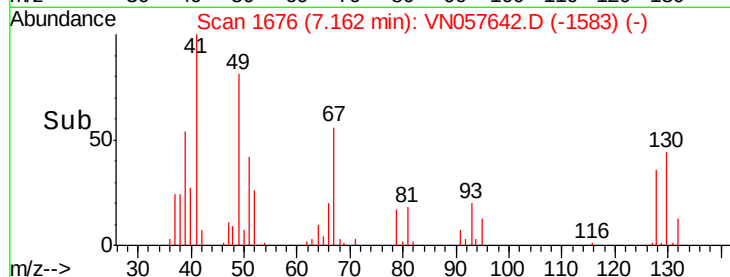
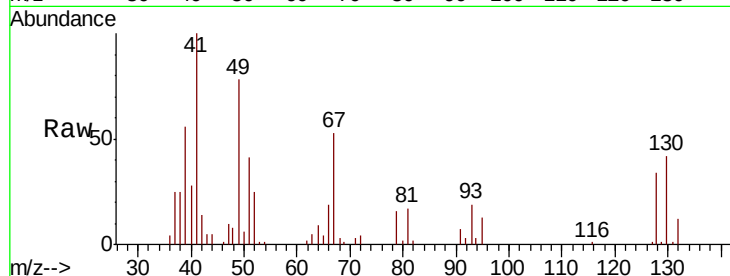
Ion Ratio Lower Upper

41 100

39 74.5 50.6 75.8

67 77.9 56.9 85.3

52 37.8 27.4 41.2

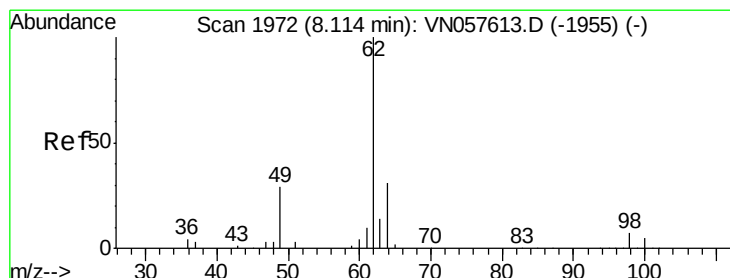
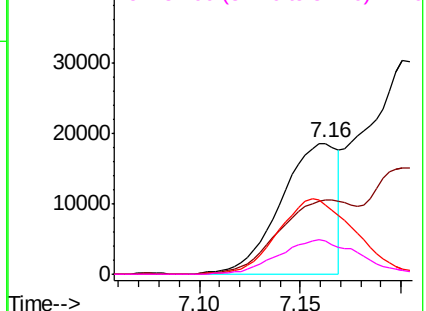


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 21.178 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057642.D

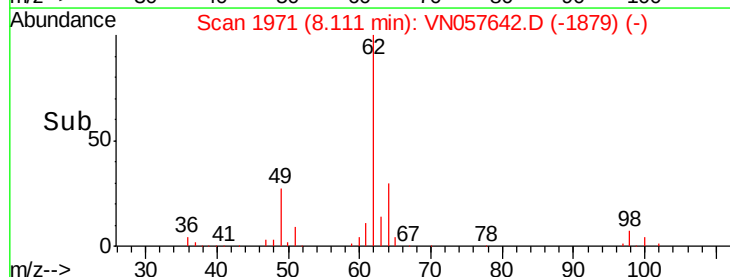
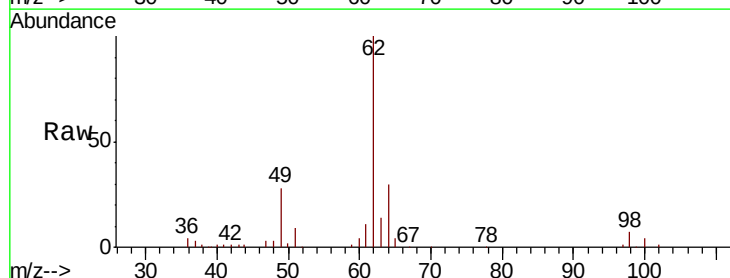
Acq: 1 Sep 2019 14:21

Tgt Ion: 62 Resp: 106530

Ion Ratio Lower Upper

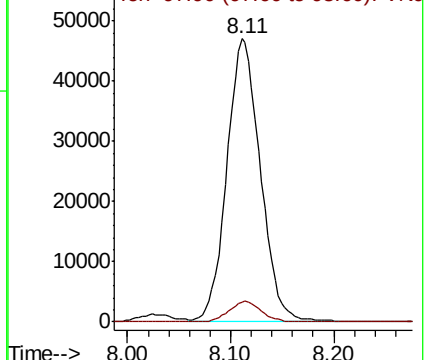
62 100

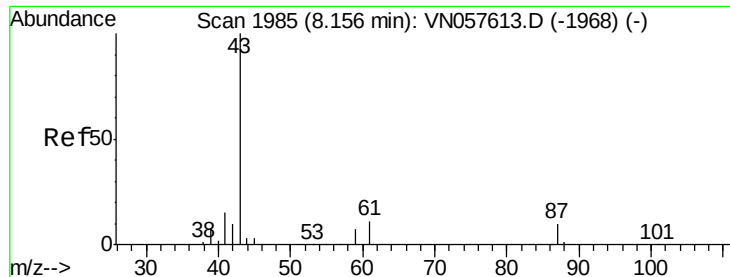
98 6.9 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.413 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

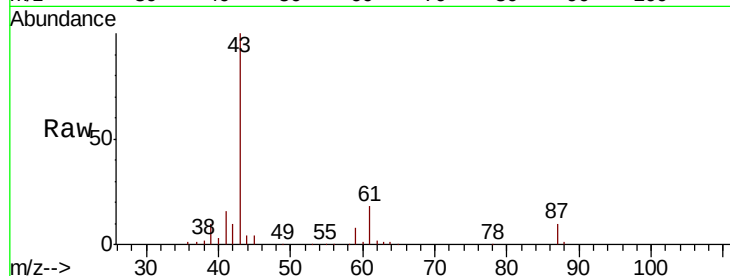
Tgt Ion: 43 Resp: 141550

Ion Ratio Lower Upper

43 100

61 17.3 13.1 19.7

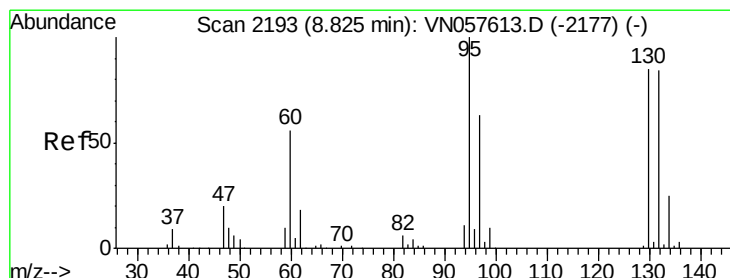
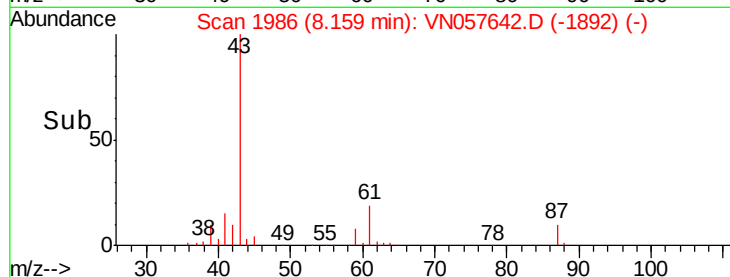
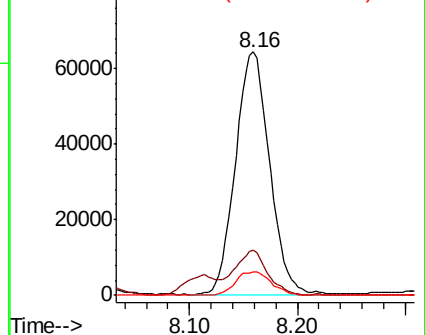
87 10.2 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057613.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1968) (-)



#44

Trichloroethene

Concen: 19.881 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057642.D

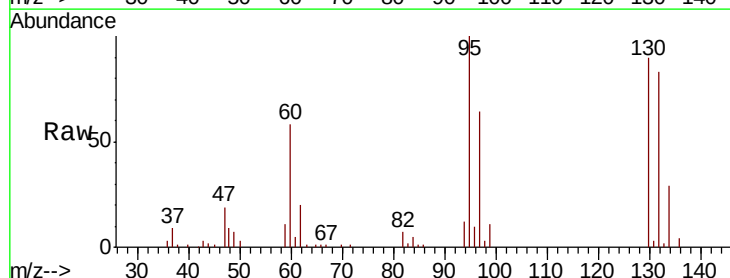
Acq: 1 Sep 2019 14:21

Tgt Ion: 130 Resp: 55855

Ion Ratio Lower Upper

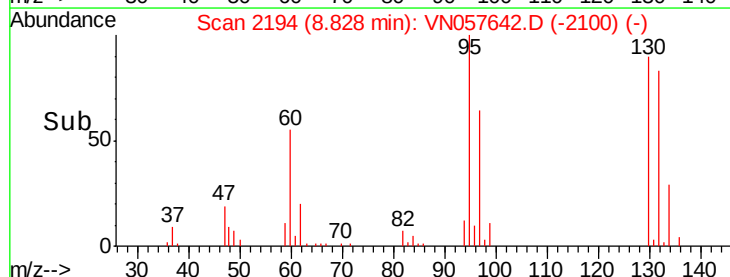
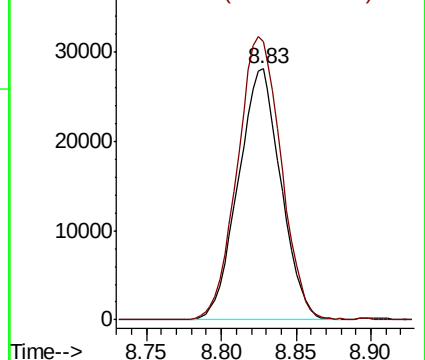
130 100

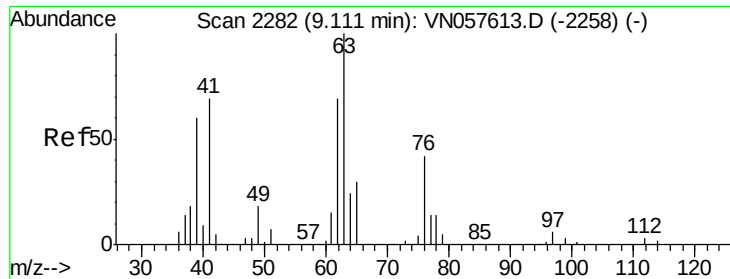
95 110.8 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057613.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057613.D (-2177) (-)

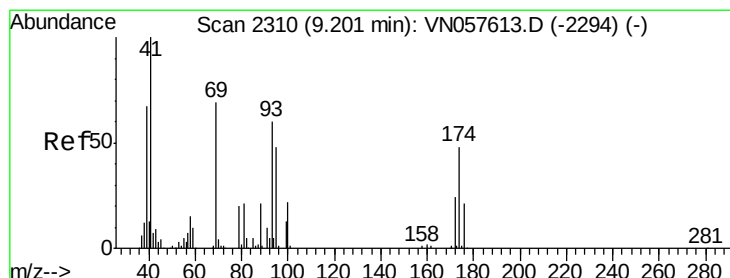
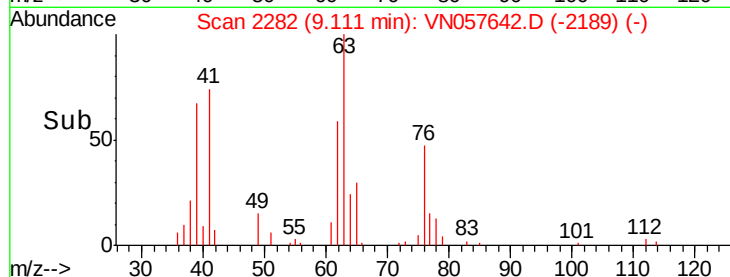
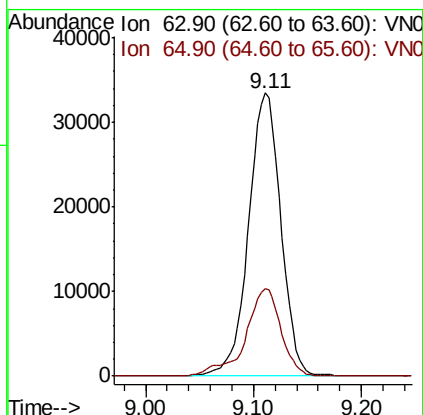
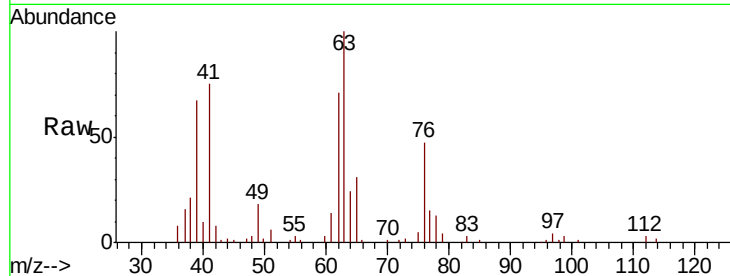




#45
 1,2-Dichloropropane
 Concen: 20.162 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

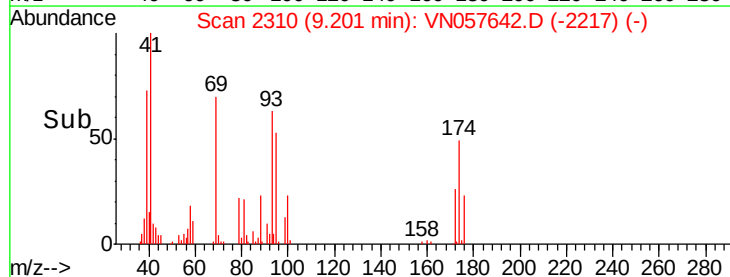
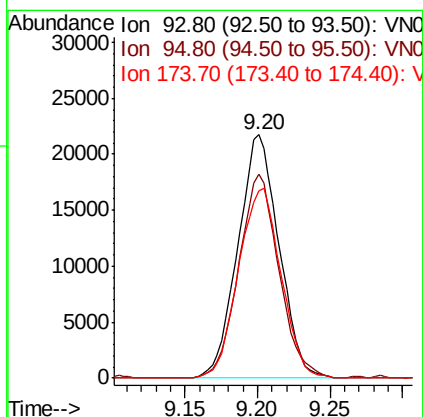
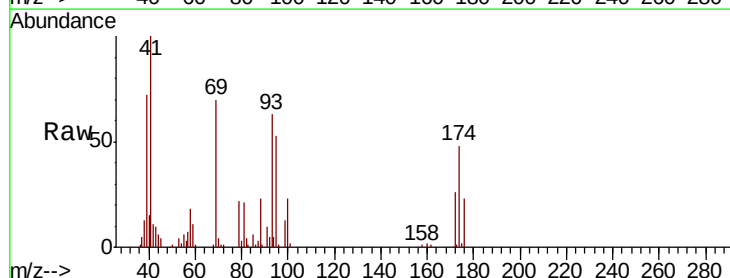
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

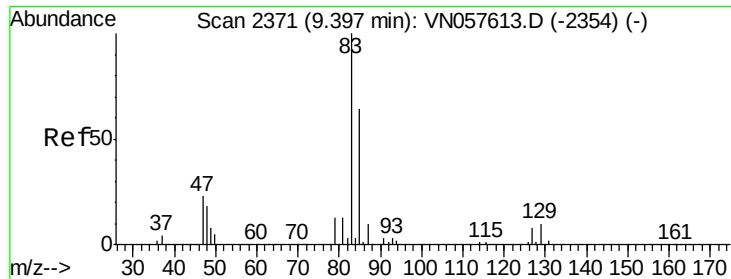
Tgt Ion: 63 Resp: 69551
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6



#46
 Dibromomethane
 Concen: 20.002 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 93 Resp: 42722
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.6
 174 80.8 64.2 96.2





#47

Bromodichloromethane

Concen: 19.548 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

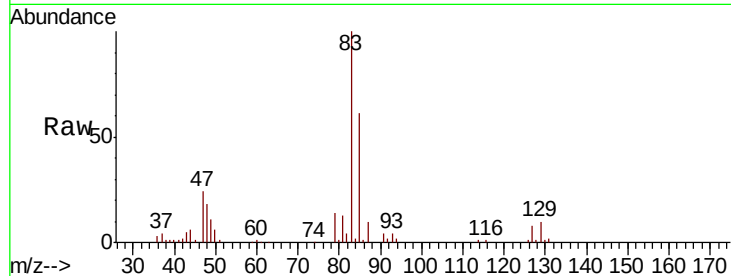
Tgt Ion: 83 Resp: 84827

Ion Ratio Lower Upper

83 100

85 61.4 51.4 77.0

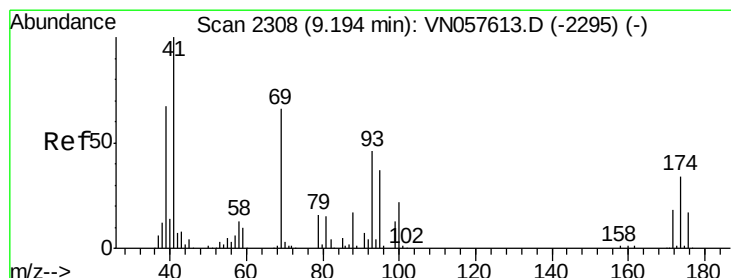
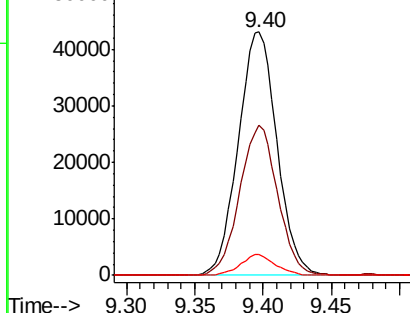
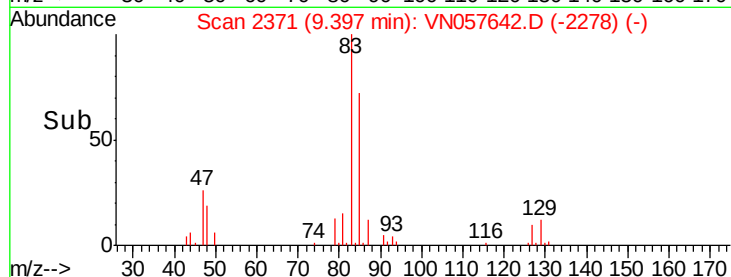
127 8.4 6.1 9.1



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): VN0



#48

Methyl methacrylate

Concen: 20.003 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

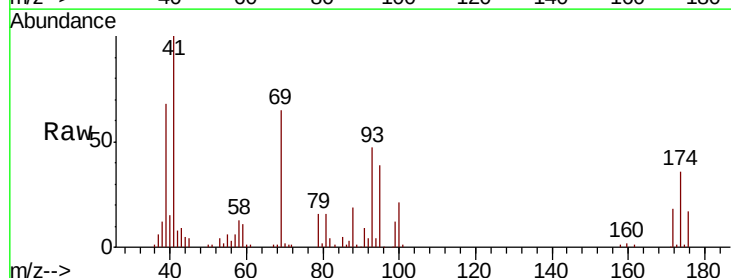
Tgt Ion: 41 Resp: 74462

Ion Ratio Lower Upper

41 100

69 68.1 55.1 82.7

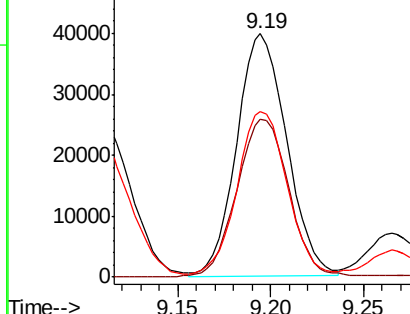
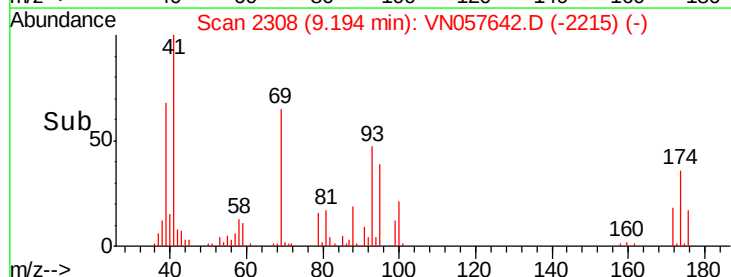
39 68.2 55.4 83.2

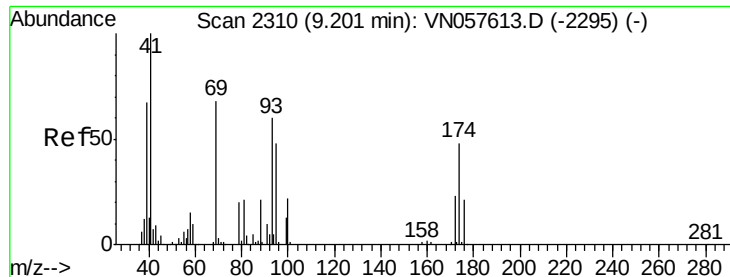


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

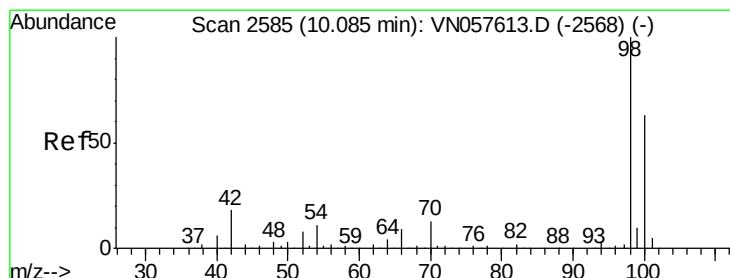
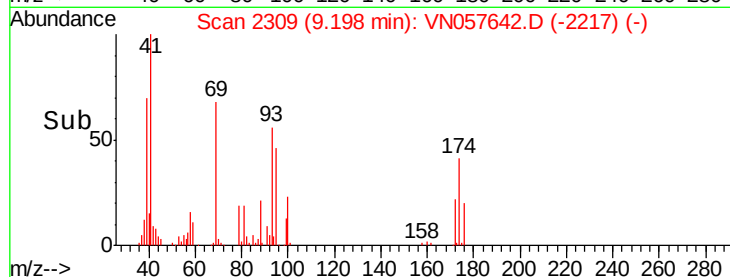
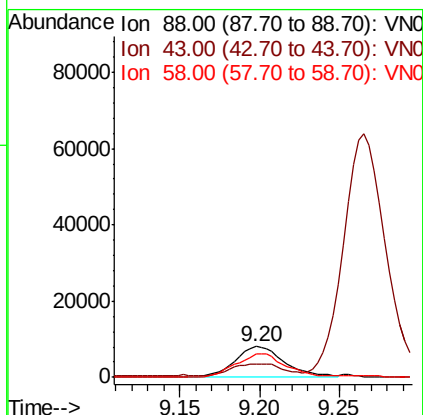
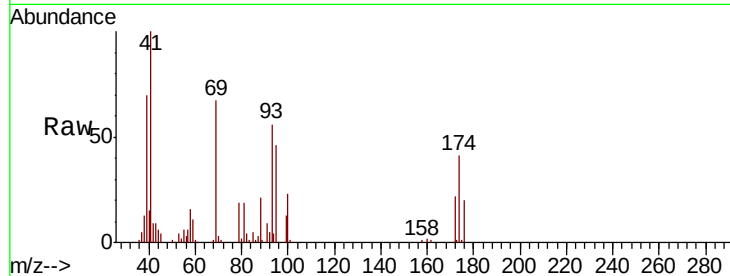




#49
1,4-Dioxane
Concen: 393.884 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

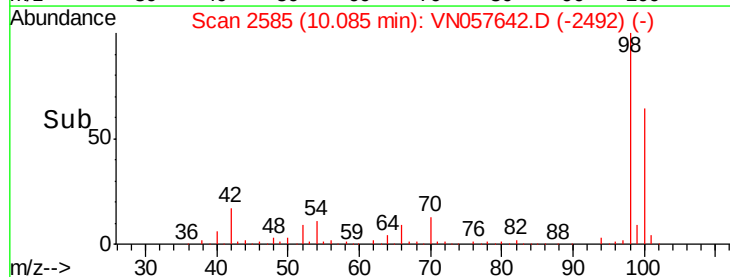
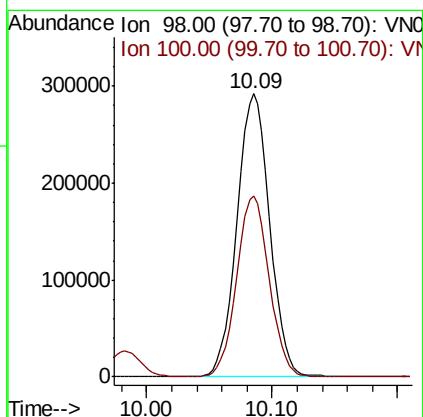
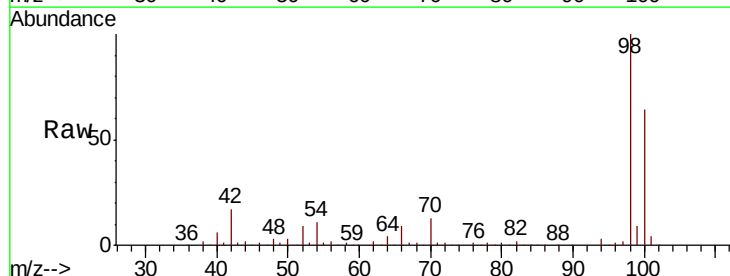
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

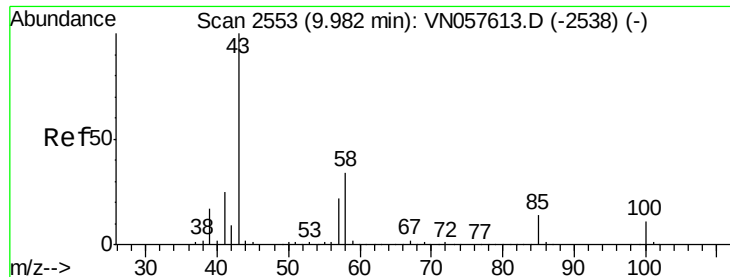
Tgt Ion: 88 Resp: 17170
Ion Ratio Lower Upper
88 100
43 40.9 35.0 52.4
58 77.2 61.6 92.4



#50
Toluene-d8
Concen: 49.340 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 98 Resp: 530854
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 104.155 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

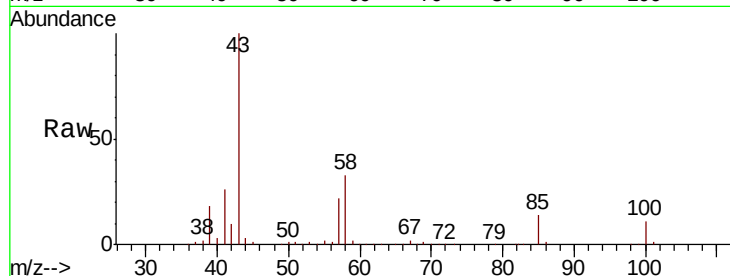
VN0902MBSD01

Tgt Ion: 43 Resp: 435264

Ion Ratio Lower Upper

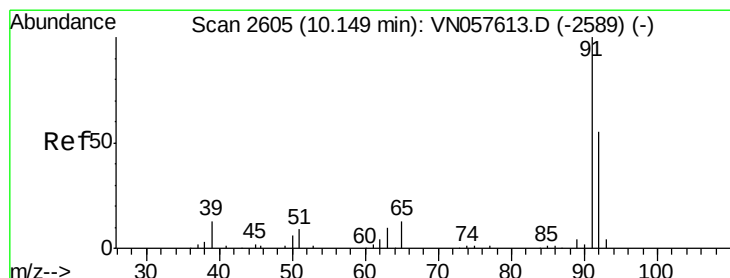
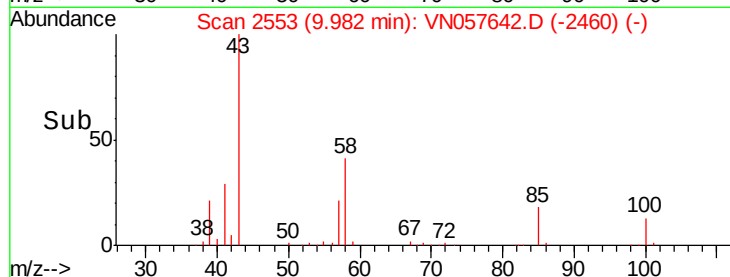
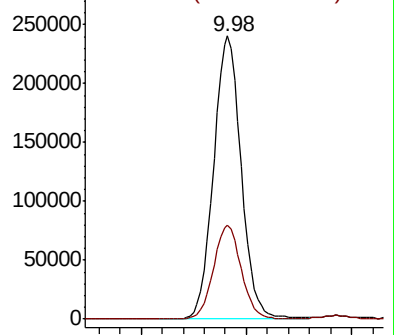
43 100

58 33.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.252 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057642.D

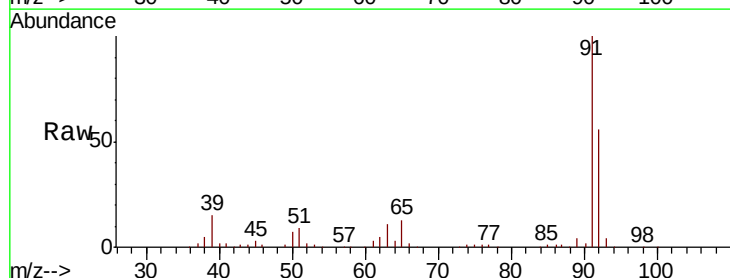
Acq: 1 Sep 2019 14:21

Tgt Ion: 92 Resp: 148240

Ion Ratio Lower Upper

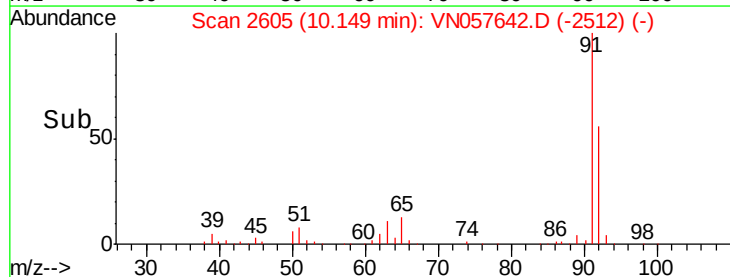
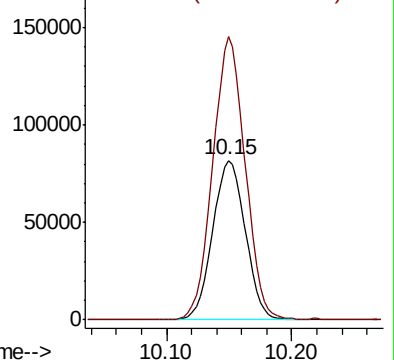
92 100

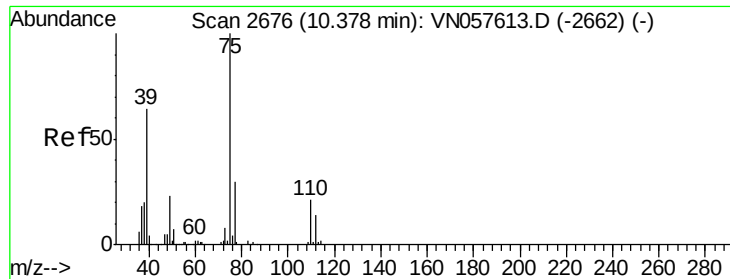
91 175.9 143.8 215.6



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: 18.862 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

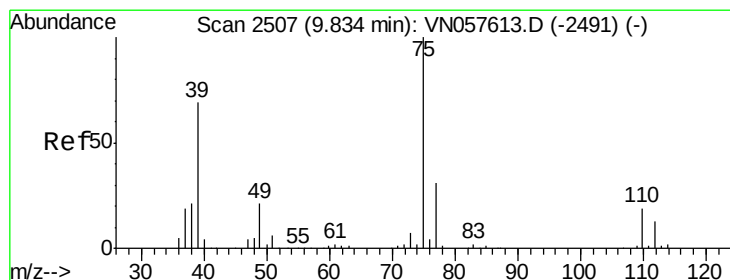
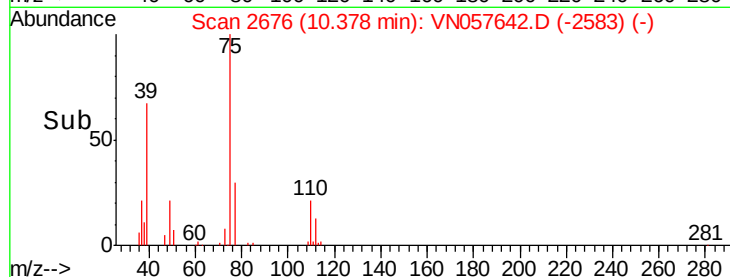
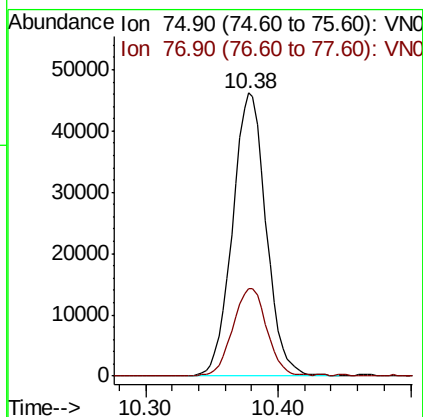
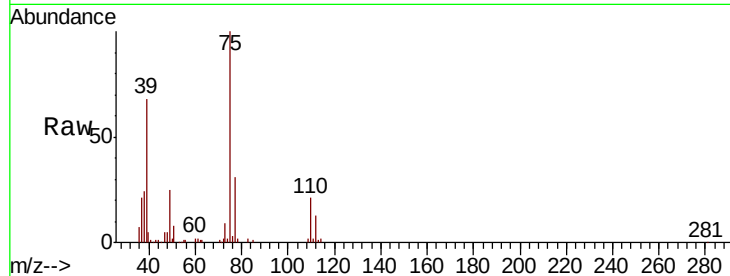
VN0902MBSD01

Tgt Ion: 75 Resp: 81051

Ion Ratio Lower Upper

75 100

77 30.9 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 18.525 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

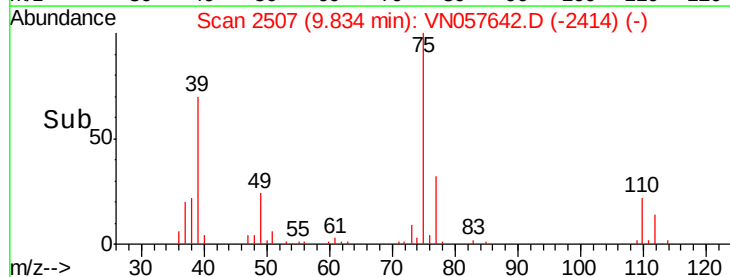
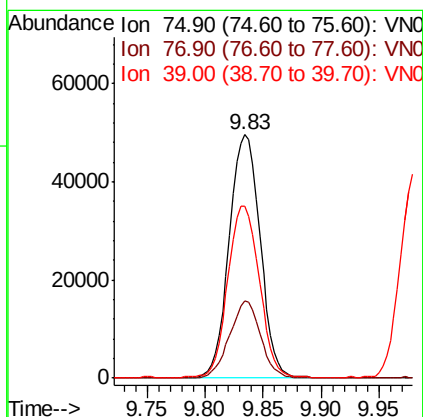
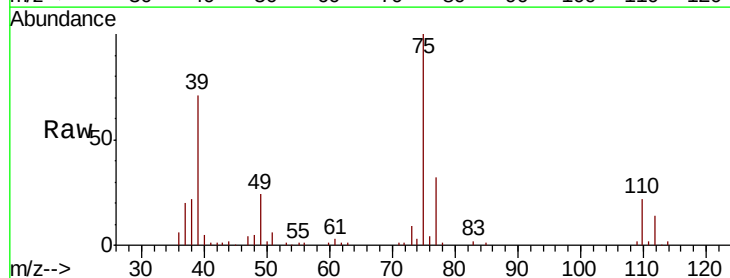
Tgt Ion: 75 Resp: 92338

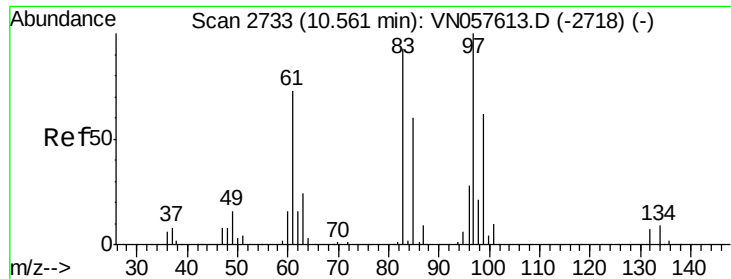
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 70.7 55.0 82.4

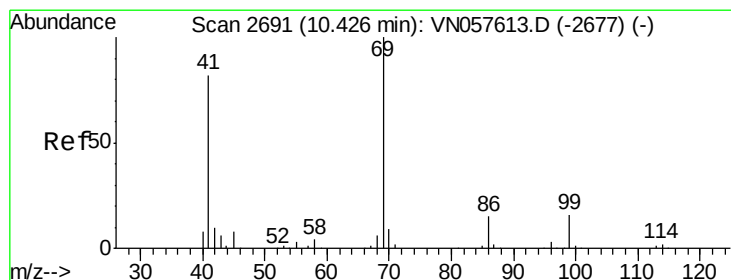
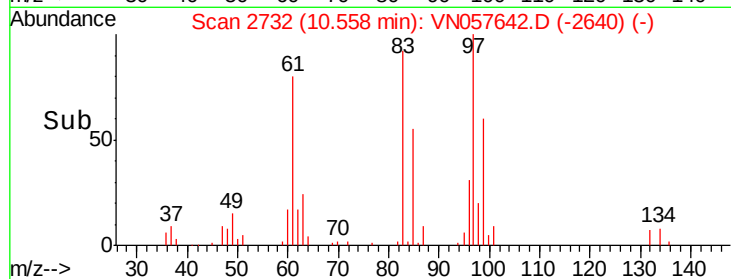
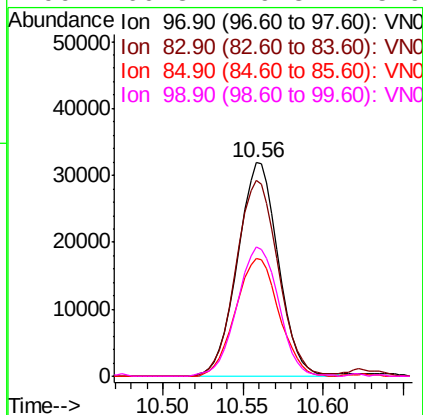
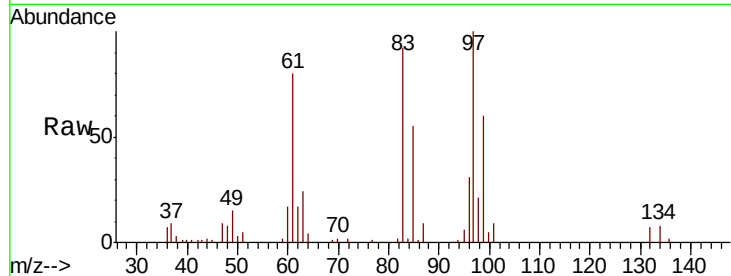




#55
 1,1,2-Trichloroethane
 Concen: 19.979 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

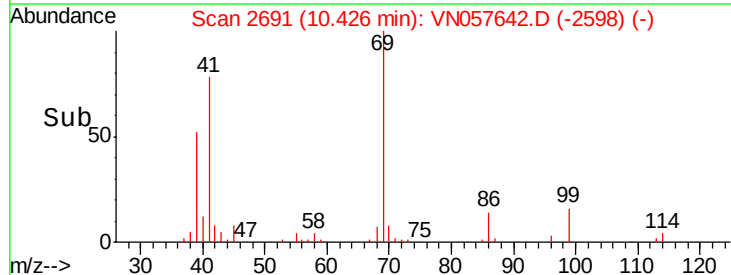
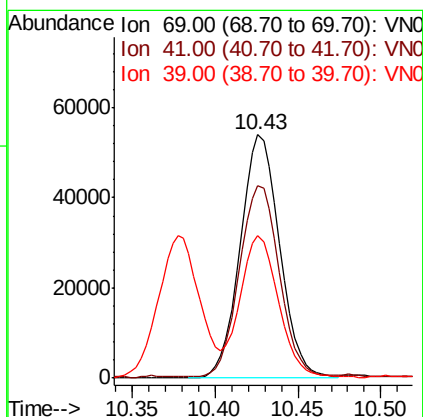
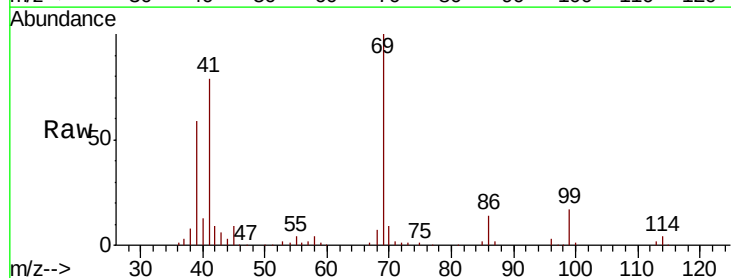
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

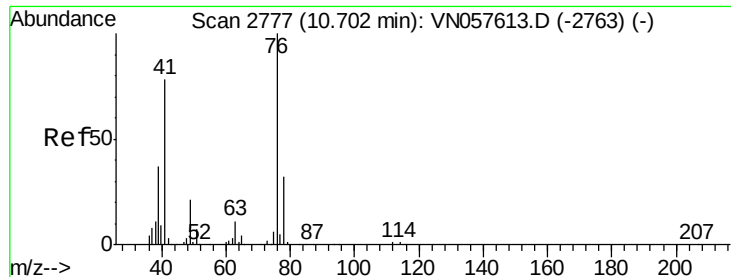
Tgt Ion: 97 Resp: 55485
 Ion Ratio Lower Upper
 97 100
 83 91.9 74.2 111.2
 85 55.1 47.8 71.8
 99 60.3 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 19.326 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 69 Resp: 89566
 Ion Ratio Lower Upper
 69 100
 41 79.4 65.8 98.6
 39 56.8 43.8 65.8

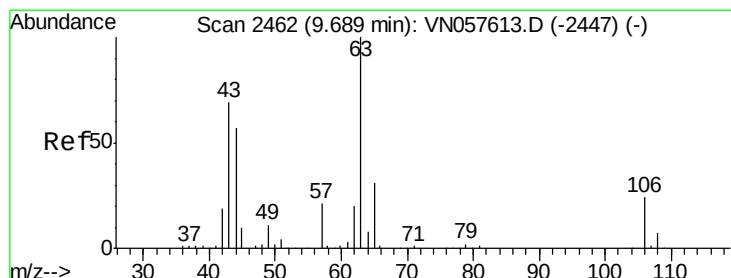
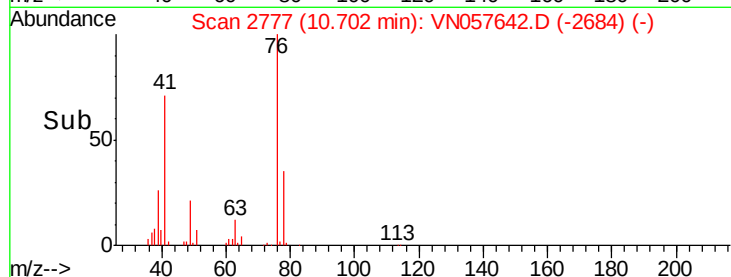
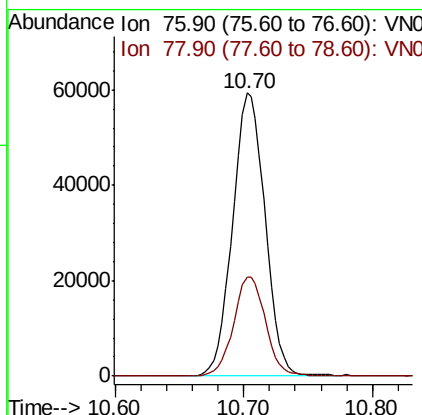
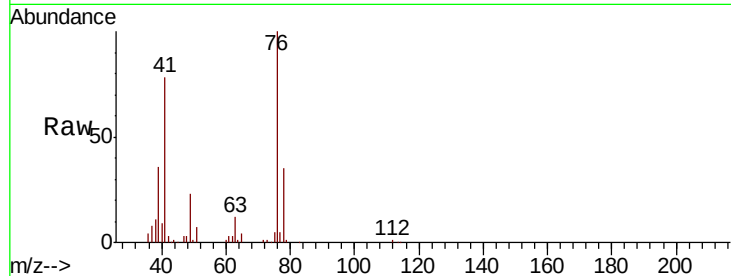




#57
 1,3-Dichloropropane
 Concen: 20.368 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

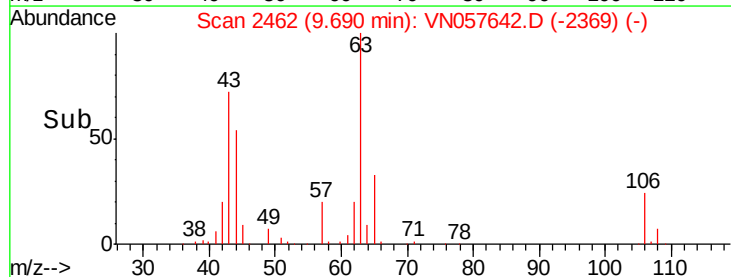
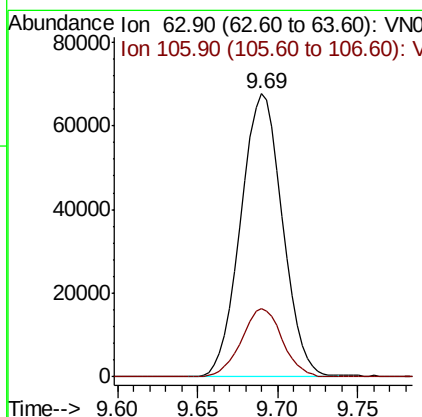
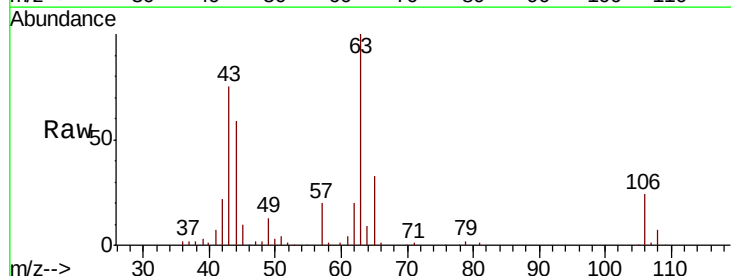
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

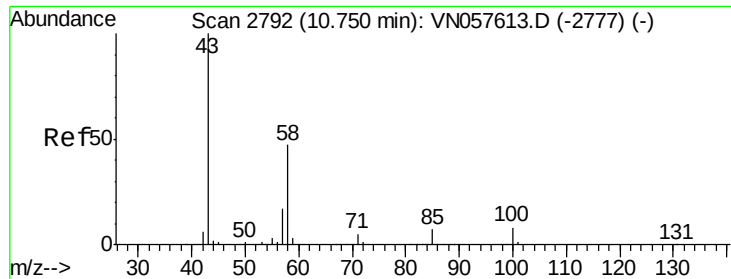
Tgt Ion: 76 Resp: 103780
 Ion Ratio Lower Upper
 76 100
 78 34.4 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.942 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 63 Resp: 120596
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.3 27.5

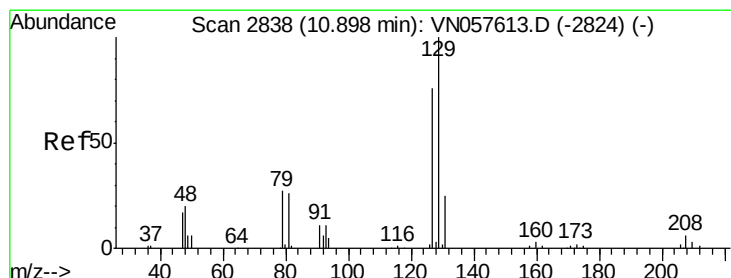
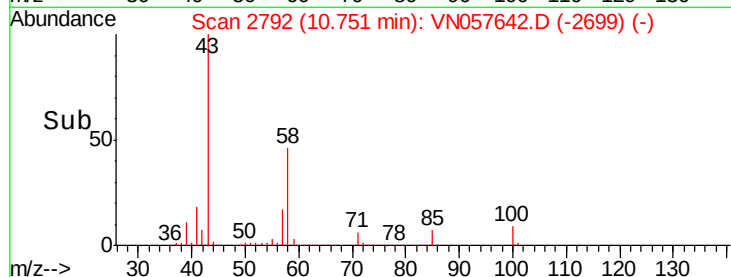
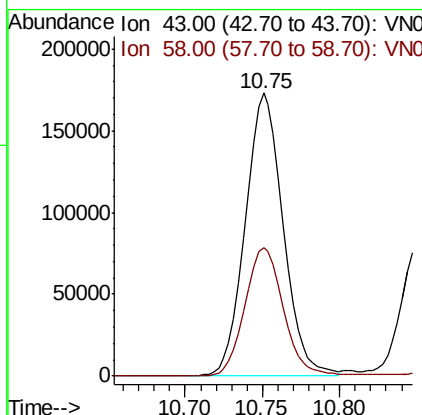
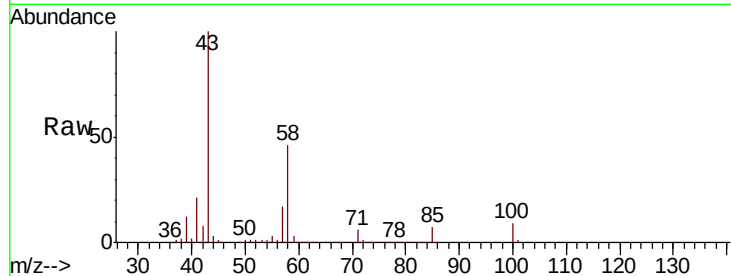




#59
2-Hexanone
Concen: 95.830 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

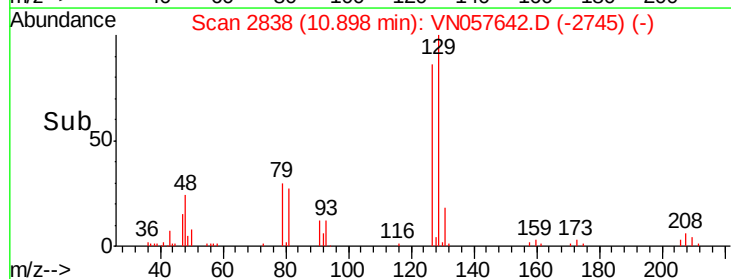
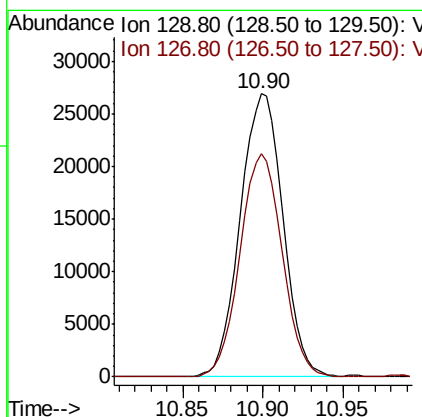
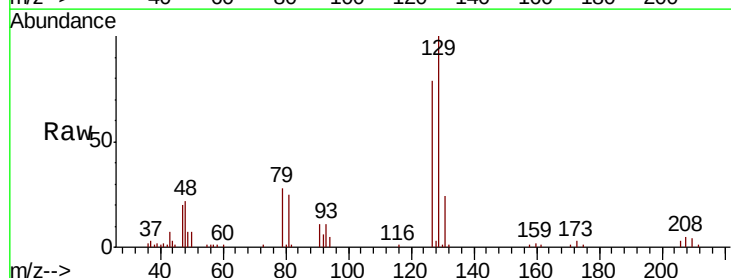
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

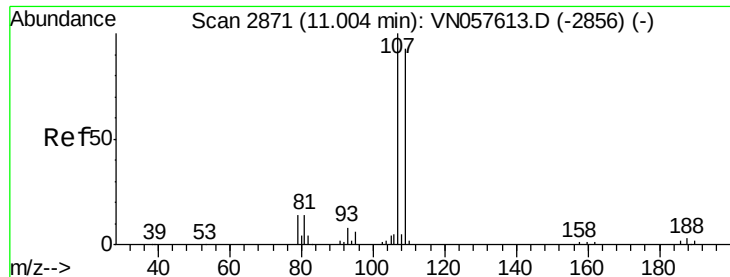
Tgt Ion: 43 Resp: 294091
Ion Ratio Lower Upper
43 100
58 46.4 23.5 70.5



#60
Dibromochloromethane
Concen: 18.528 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 129 Resp: 49096
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.038 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

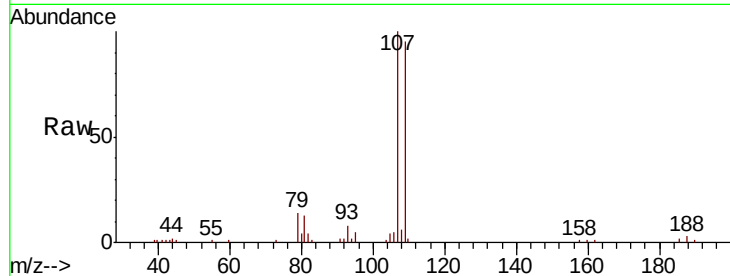
VN0902MBSD01

Tgt Ion: 107 Resp: 56033

Ion Ratio Lower Upper

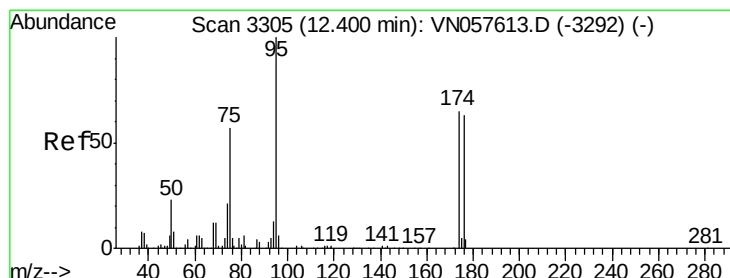
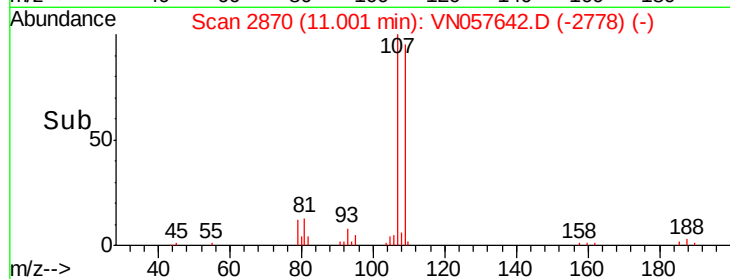
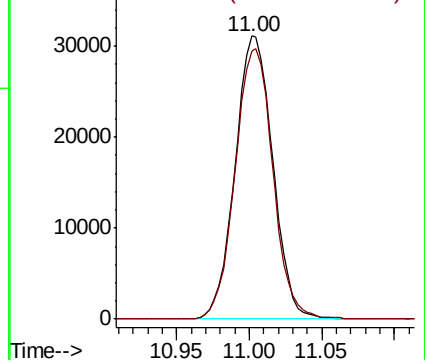
107 100

109 95.8 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.467 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

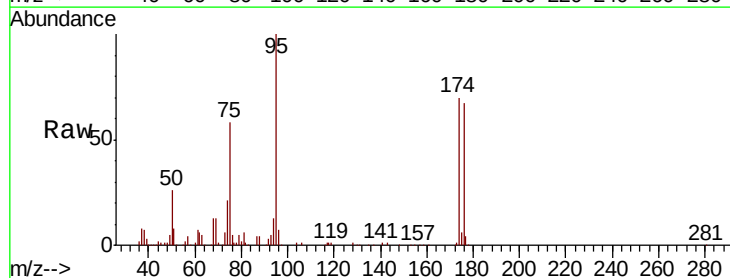
Tgt Ion: 95 Resp: 181925

Ion Ratio Lower Upper

95 100

174 69.3 0.0 134.8

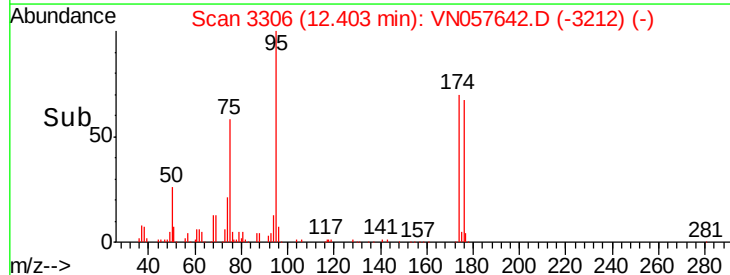
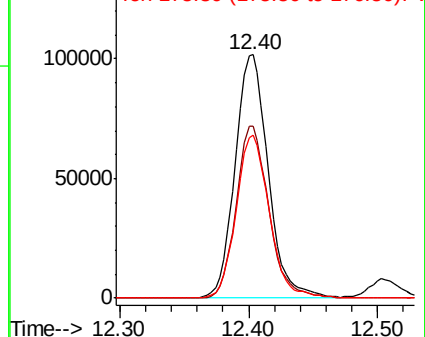
176 67.0 0.0 131.6

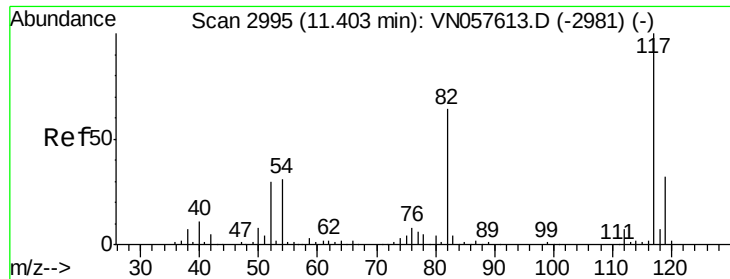


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

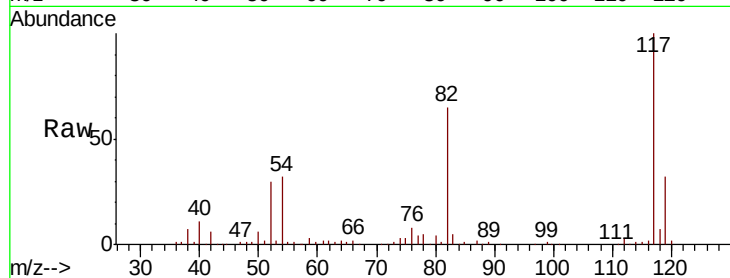
Tgt Ion:117 Resp: 286520

Ion Ratio Lower Upper

117 100

82 65.3 51.6 77.4

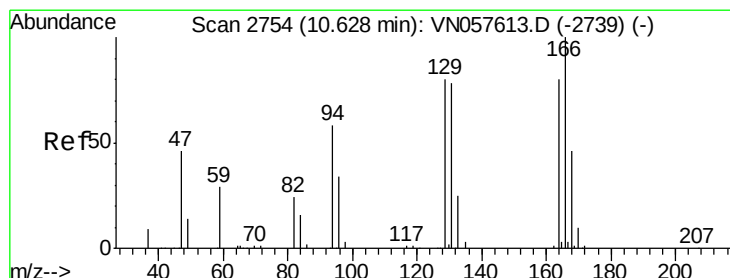
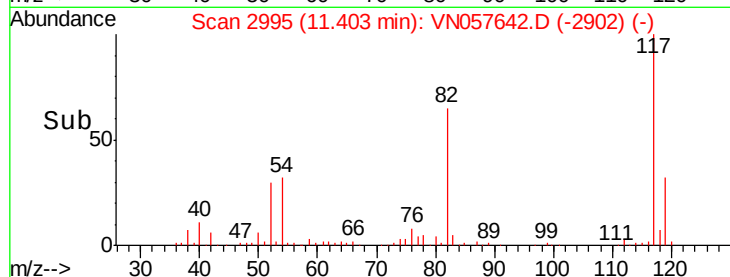
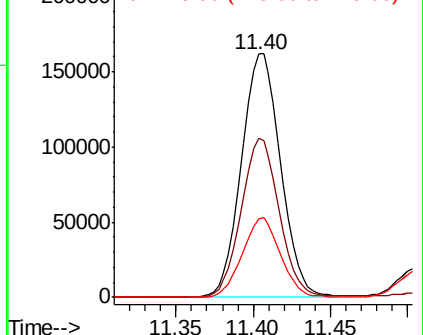
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.366 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion:164 Resp: 53007

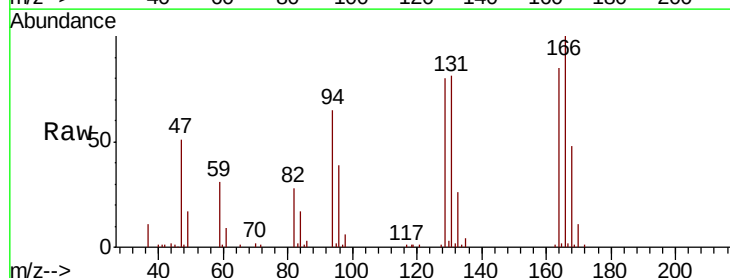
Ion Ratio Lower Upper

164 100

166 117.2 100.6 151.0

129 93.8 80.4 120.6

131 94.5 78.6 118.0

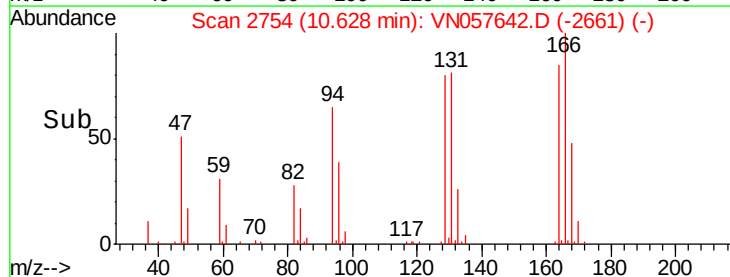
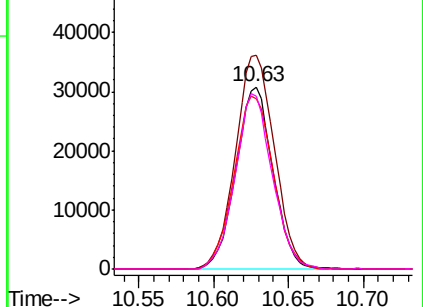


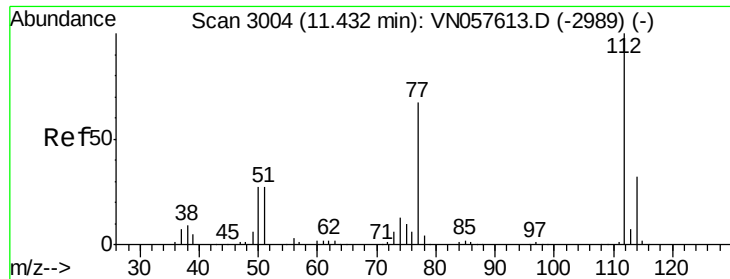
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

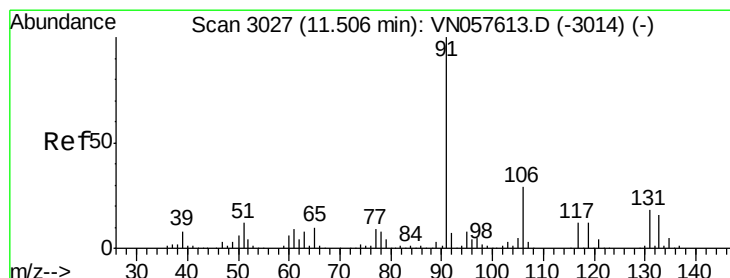
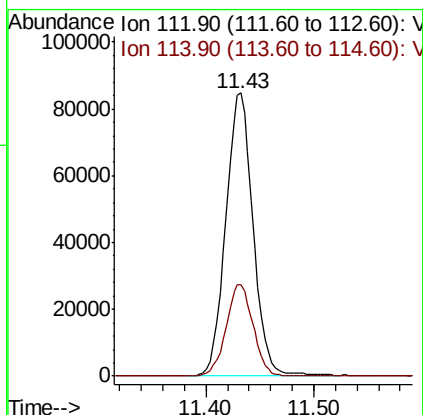
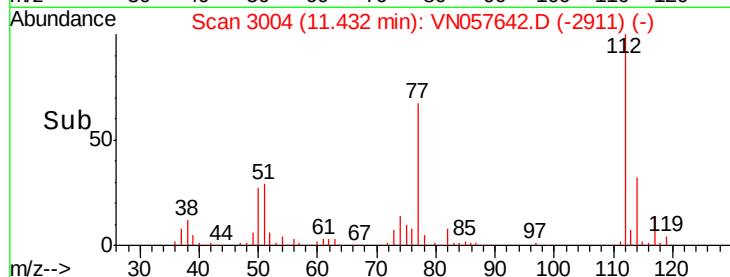
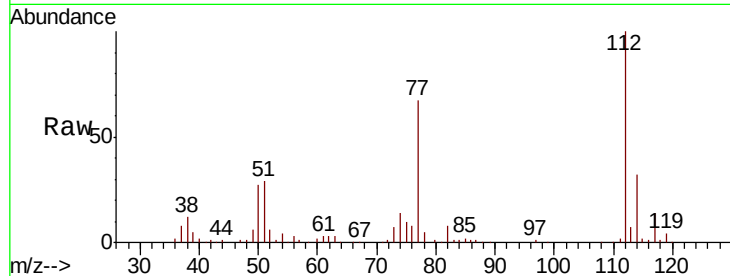




#65
Chlorobenzene
Concen: 20.824 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

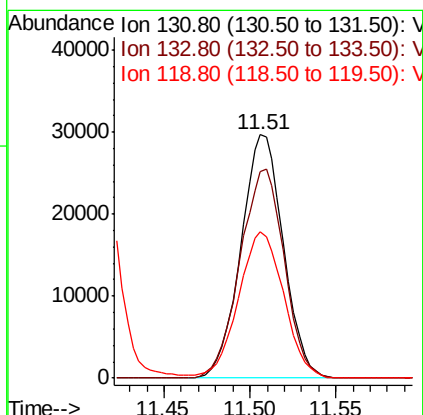
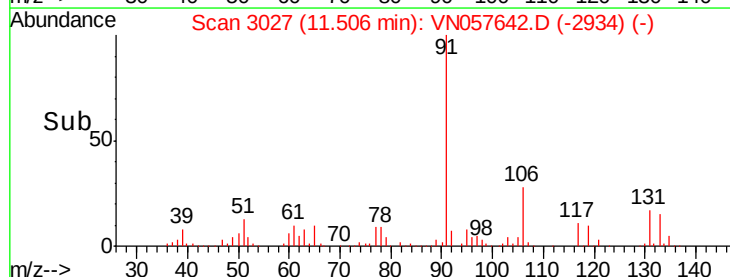
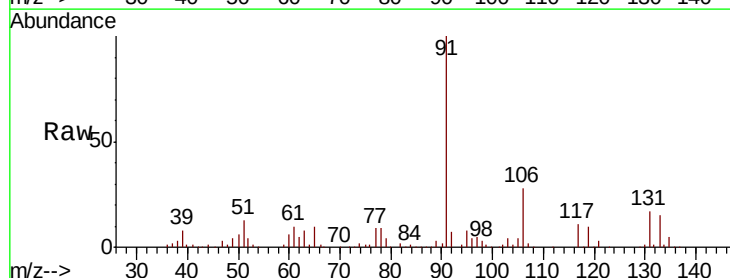
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

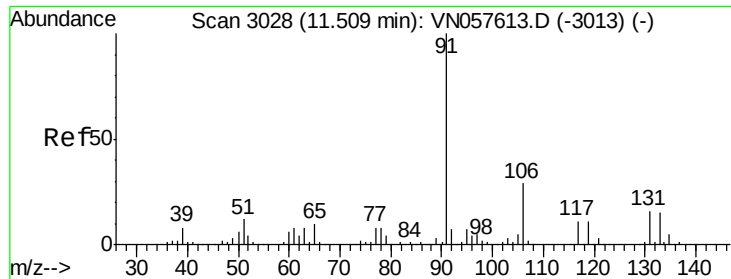
Tgt Ion:112 Resp: 149511
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.198 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:131 Resp: 50575
Ion Ratio Lower Upper
131 100
133 90.0 47.8 143.4
119 64.3 33.9 101.6

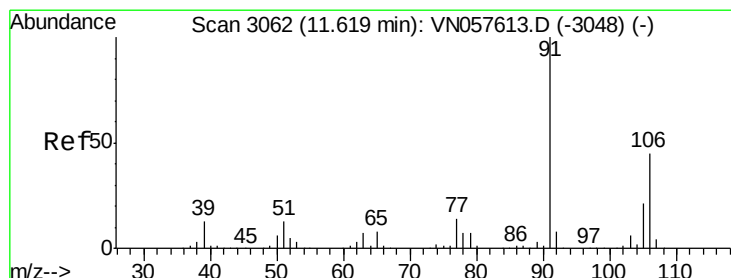
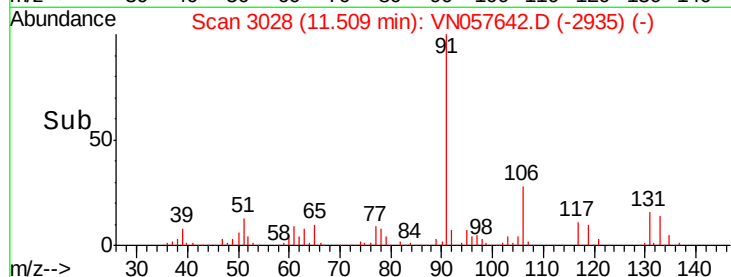
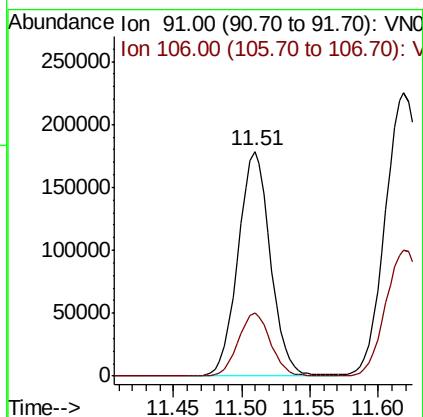
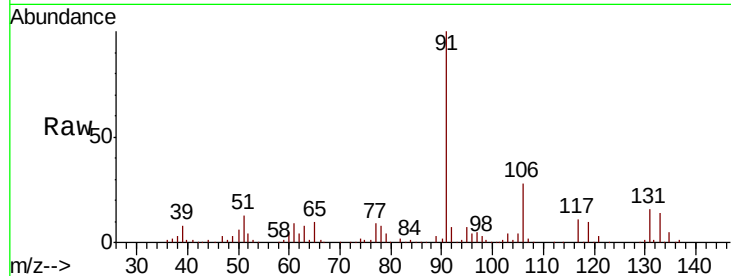




#67
Ethyl Benzene
Concen: 21.102 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

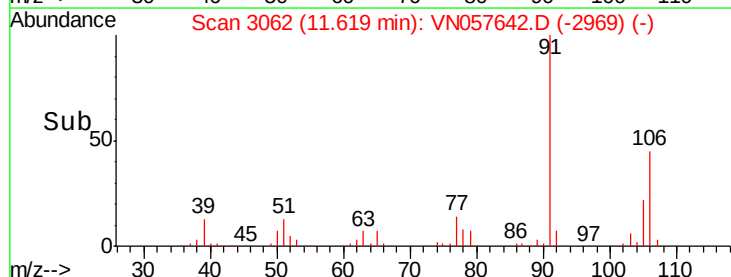
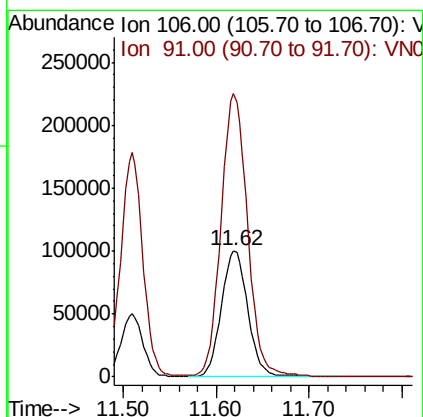
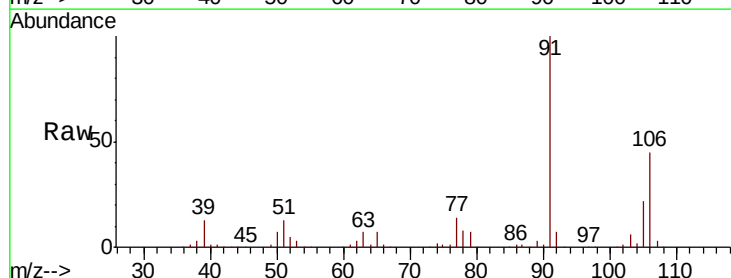
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

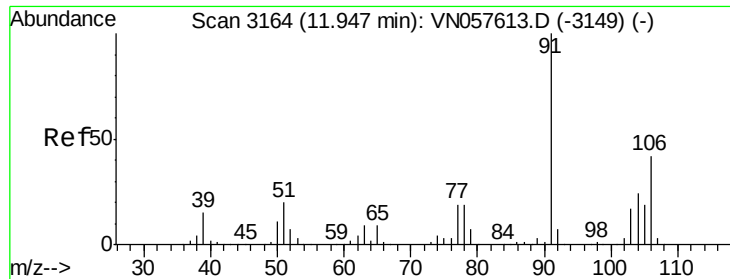
Tgt Ion: 91 Resp: 294375
Ion Ratio Lower Upper
91 100
106 28.0 22.9 34.3



#68
m/p-Xylenes
Concen: 40.485 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 106 Resp: 198963
Ion Ratio Lower Upper
106 100
91 223.3 176.2 264.2

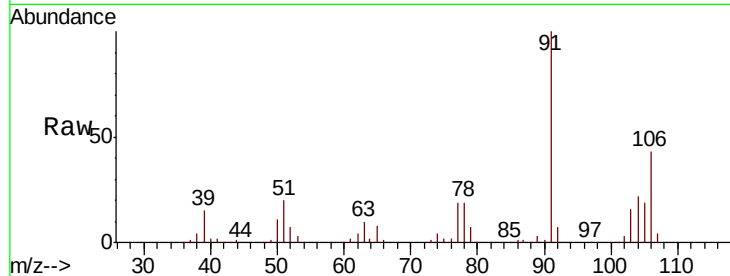




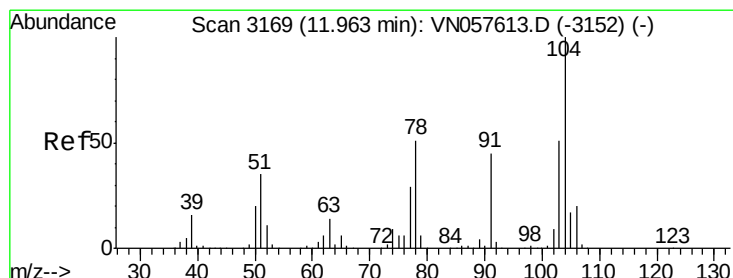
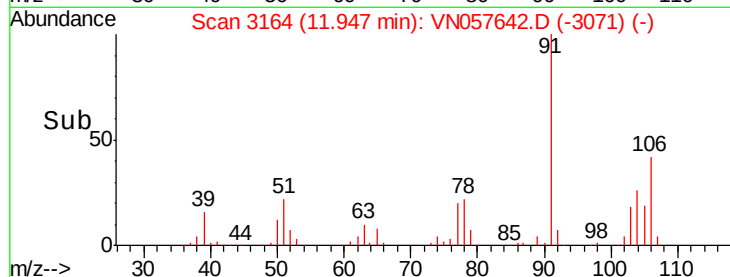
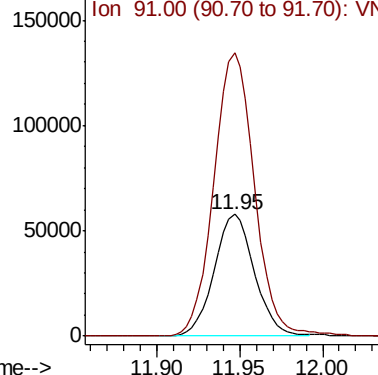
#69
o-Xylene
Concen: 20.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tgt Ion:106 Resp: 97214
Ion Ratio Lower Upper
106 100
91 236.1 117.3 351.8

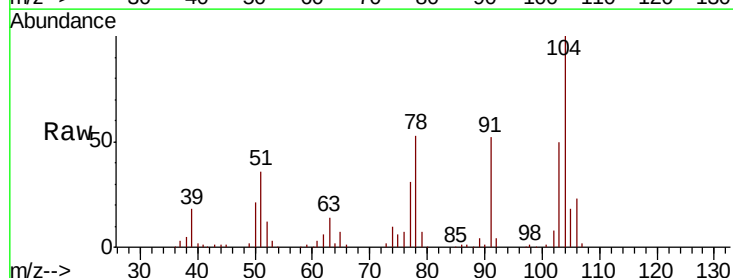


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

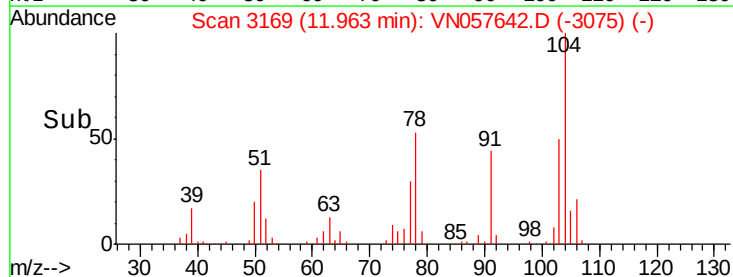
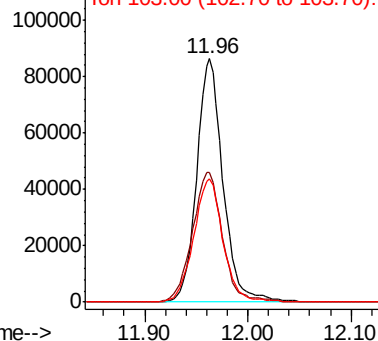


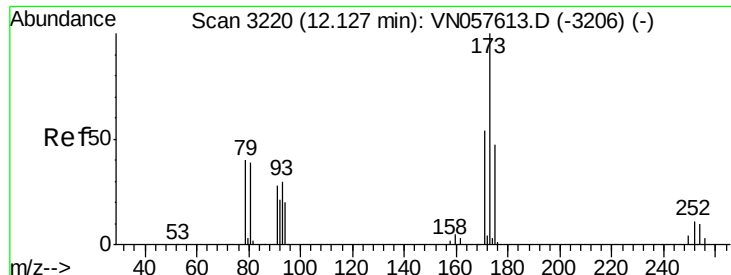
#70
Styrene
Concen: 19.516 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:104 Resp: 153050
Ion Ratio Lower Upper
104 100
78 61.1 46.6 70.0
103 56.5 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

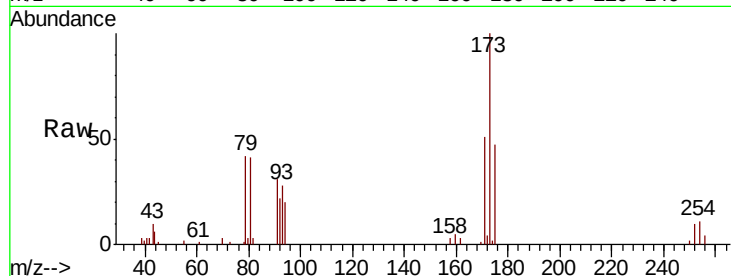




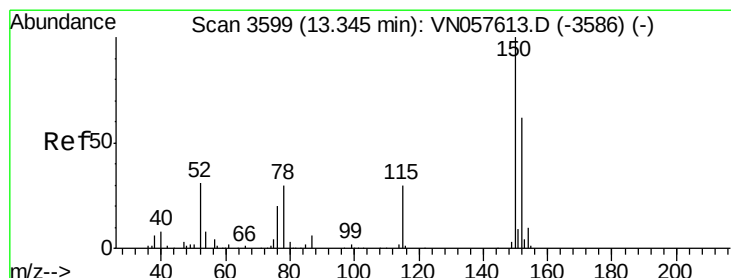
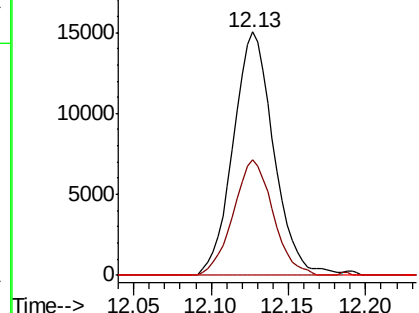
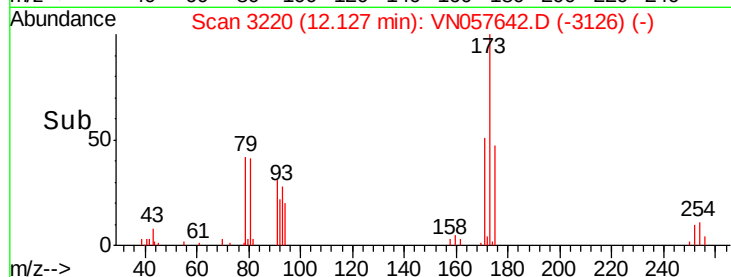
#71
Bromoform
Concen: 19.049 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tgt Ion:173 Resp: 27268
Ion Ratio Lower Upper
173 100
175 46.4 24.4 73.4
254 0.0 0.0 0.0

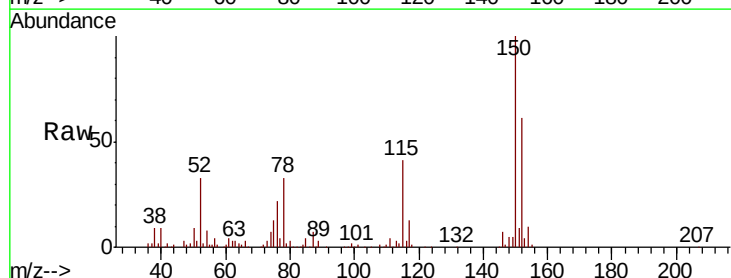


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

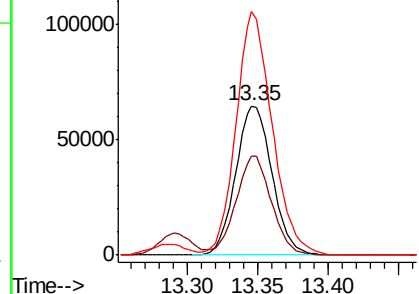
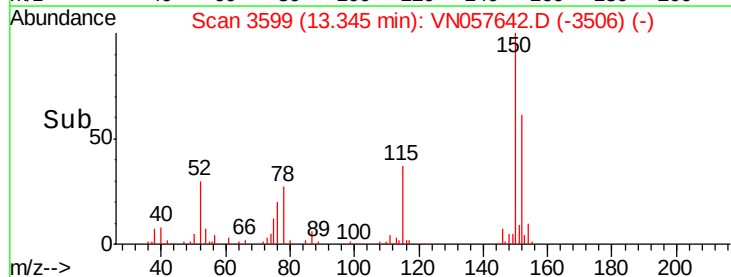


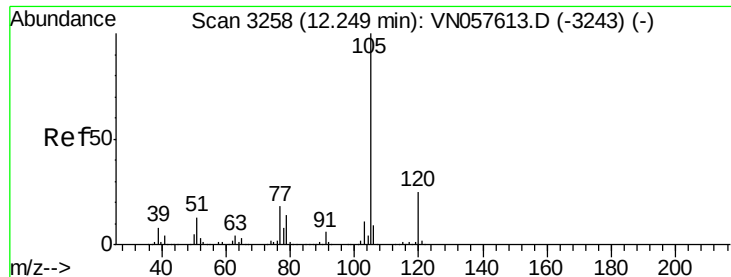
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:152 Resp: 116707
Ion Ratio Lower Upper
152 100
115 65.0 33.2 99.6
150 162.6 0.0 365.2



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: 22.482 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

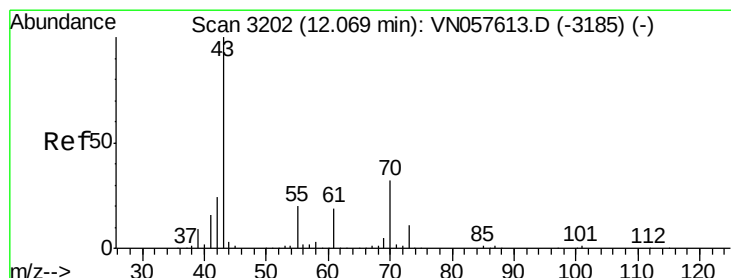
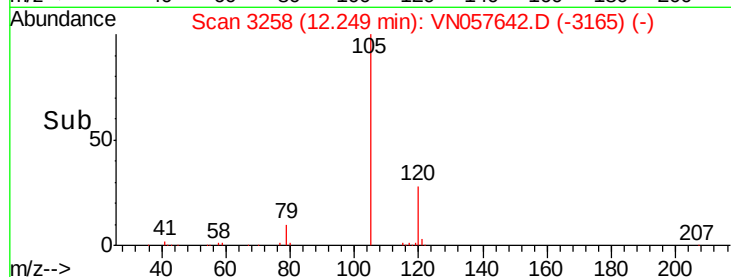
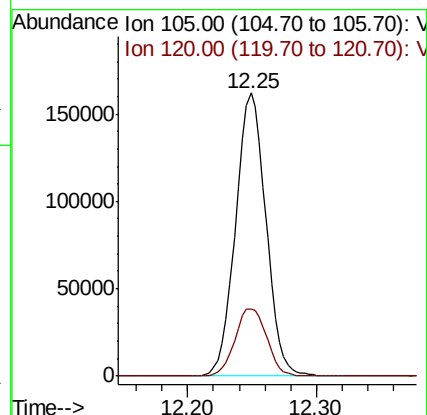
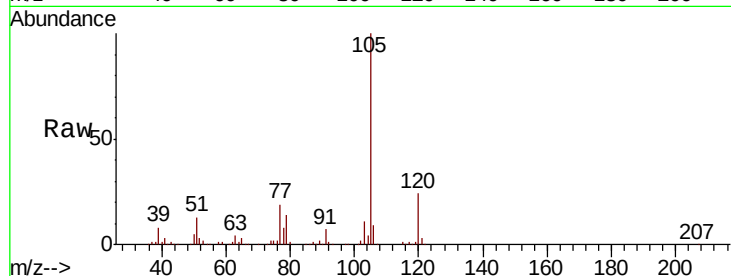
VN0902MBSD01

Tgt Ion:105 Resp: 264907

Ion Ratio Lower Upper

105 100

120 25.0 12.7 38.1



#74

N-ethyl acetate

Concen: 21.962 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion: 43 Resp: 122125

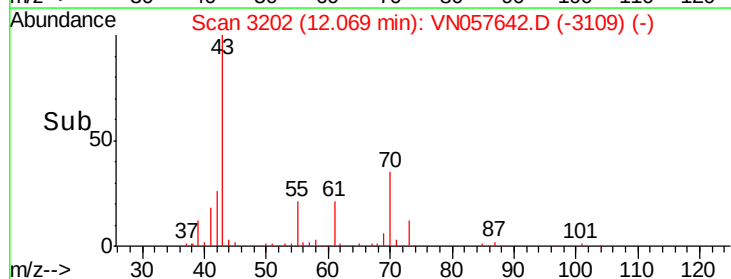
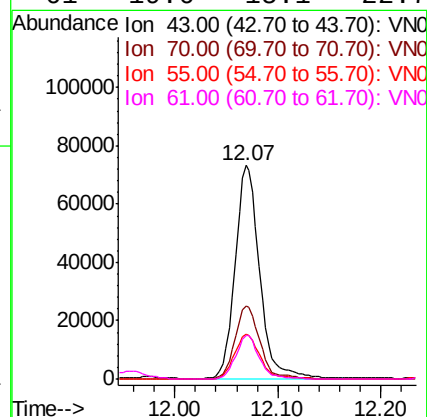
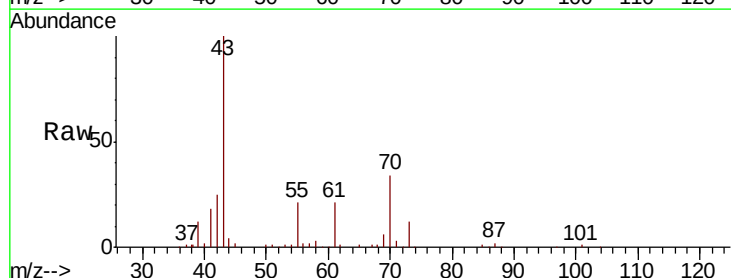
Ion Ratio Lower Upper

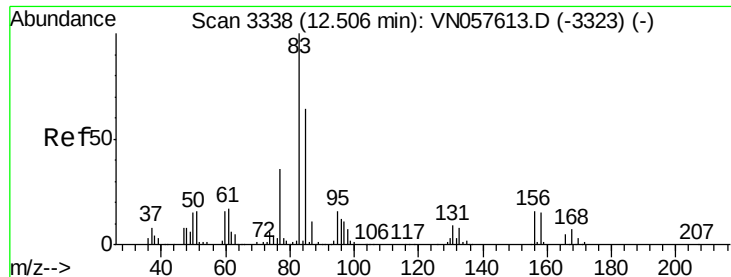
43 100

70 34.5 26.9 40.3

55 21.6 16.8 25.2

61 19.6 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.284 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

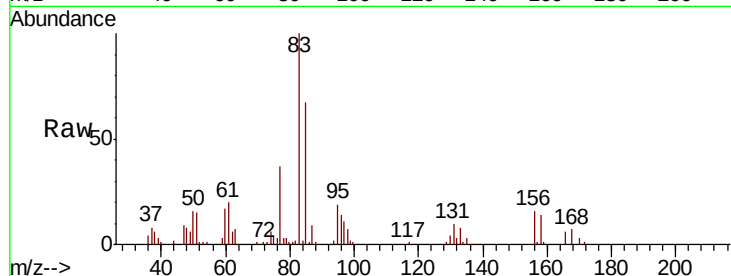
Tgt Ion: 83 Resp: 77388

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.7

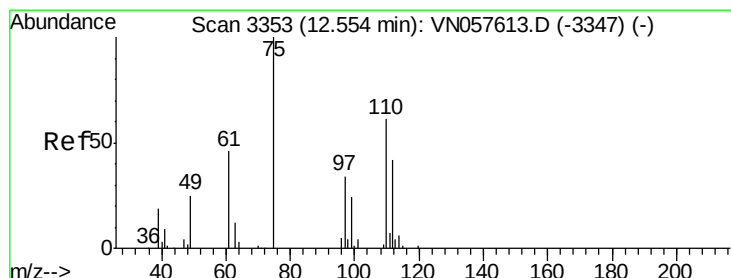
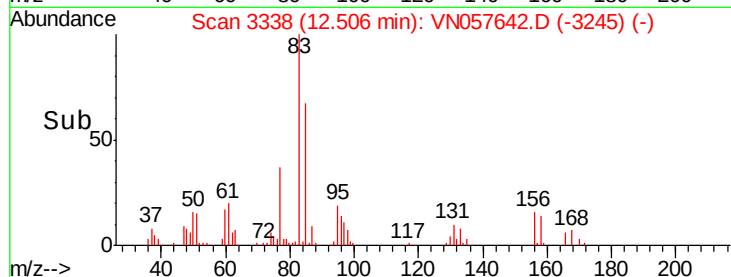
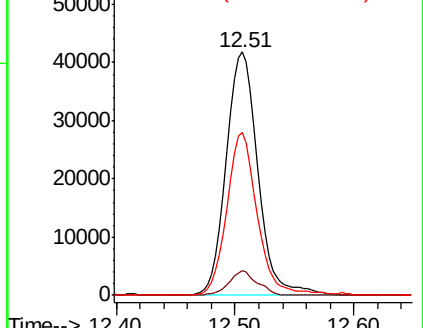
85 64.1 31.3 93.8



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: 31.776 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057642.D

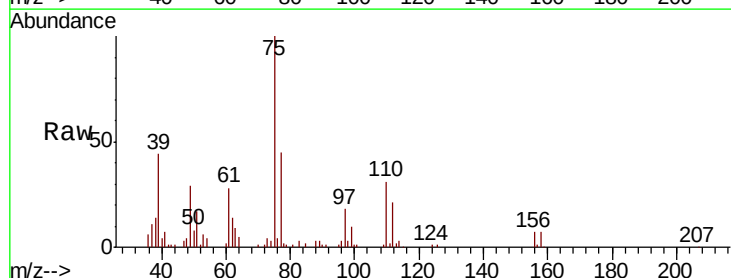
Acq: 1 Sep 2019 14:21

Tgt Ion: 75 Resp: 97549

Ion Ratio Lower Upper

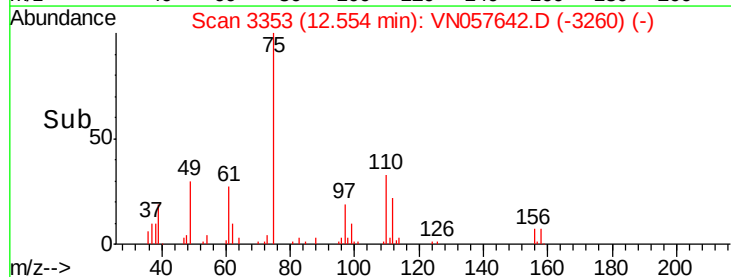
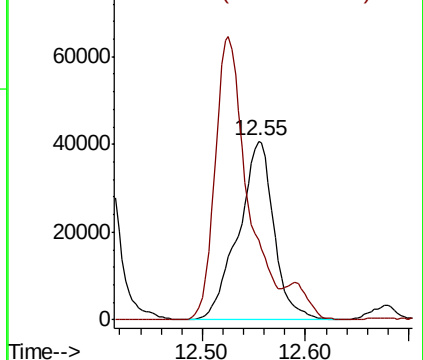
75 100

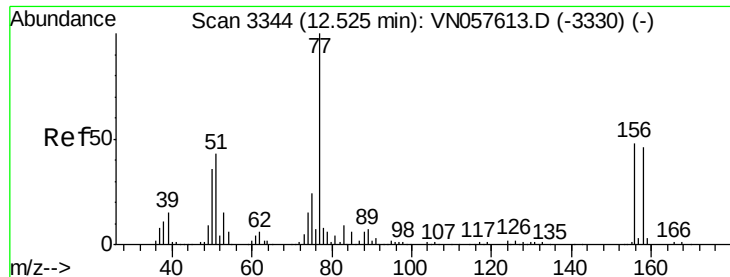
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 23.445 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

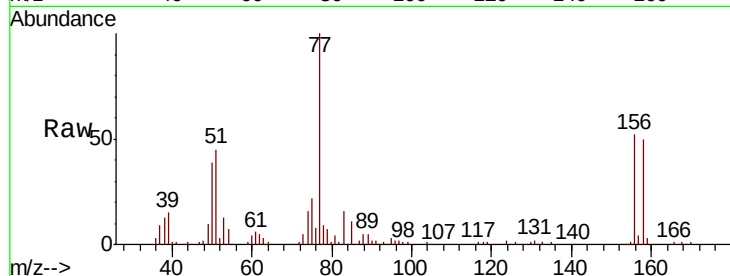
Tgt Ion:156 Resp: 58797

Ion Ratio Lower Upper

156 100

77 237.9 123.5 370.5

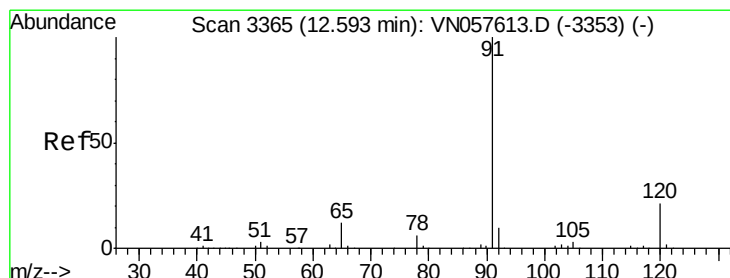
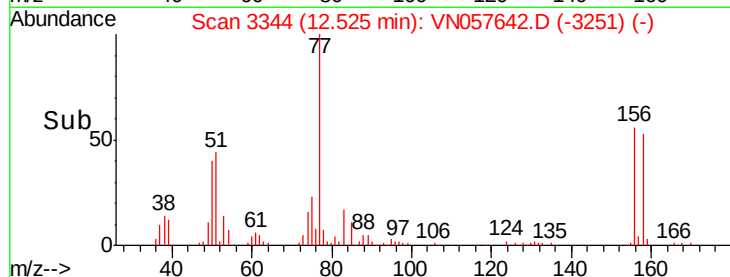
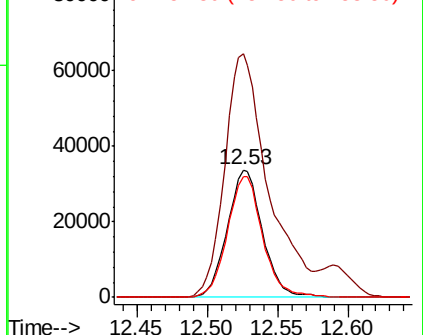
158 94.9 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.862 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057642.D

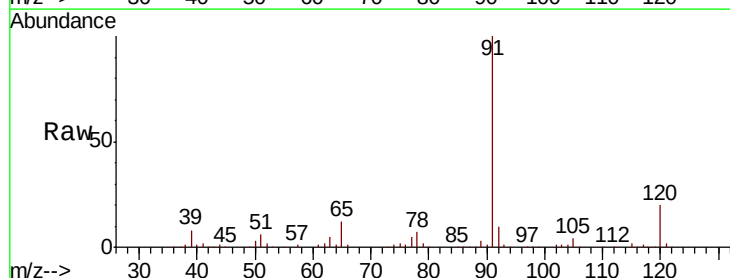
Acq: 1 Sep 2019 14:21

Tgt Ion: 91 Resp: 286715

Ion Ratio Lower Upper

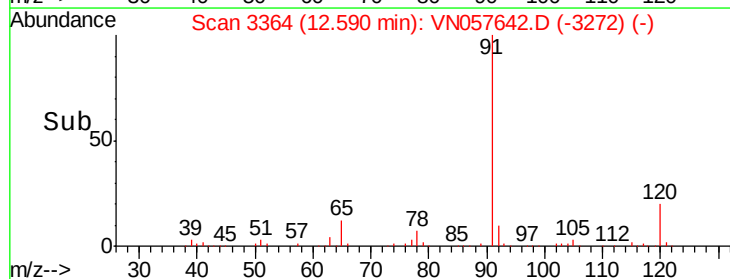
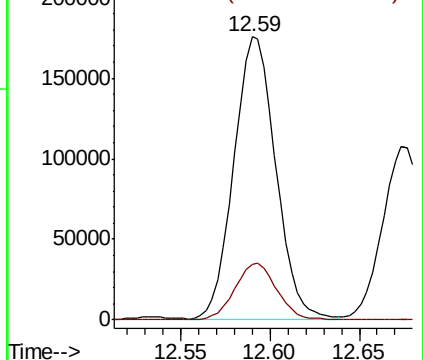
91 100

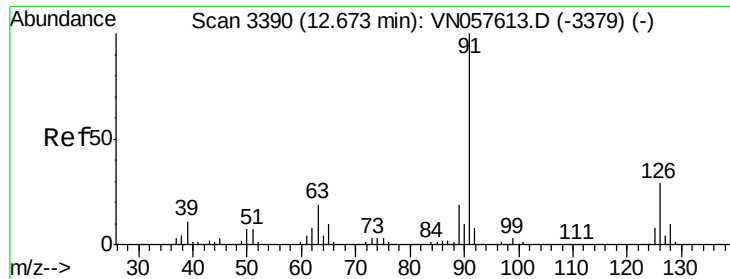
120 20.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

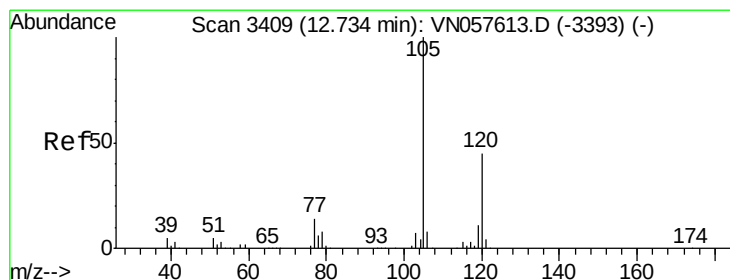
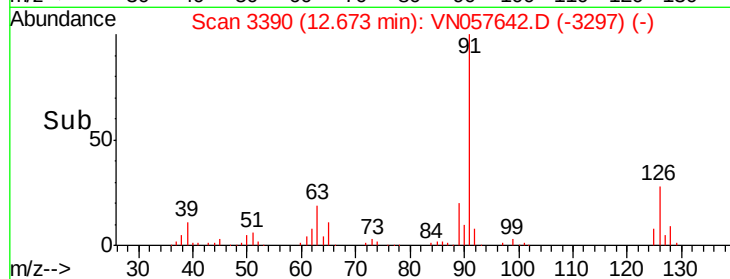
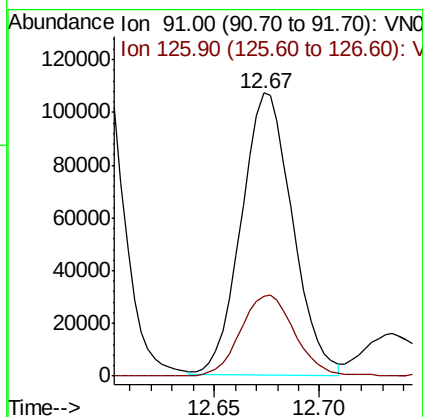
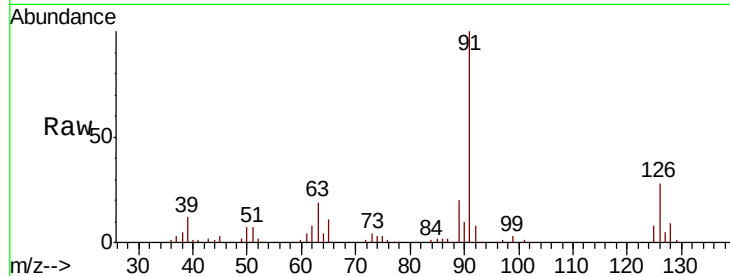




#79
 2-Chlorotoluene
 Concen: 22.107 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

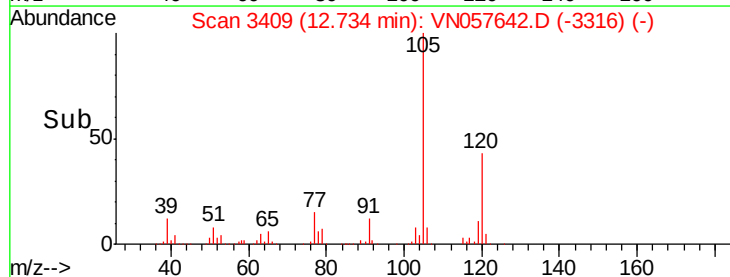
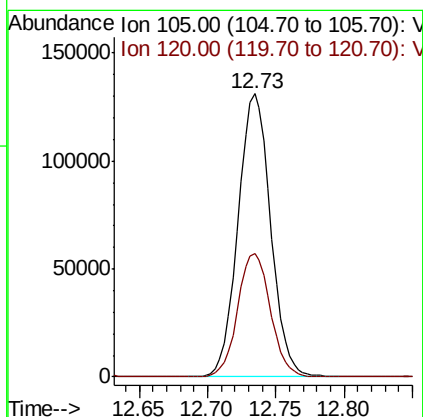
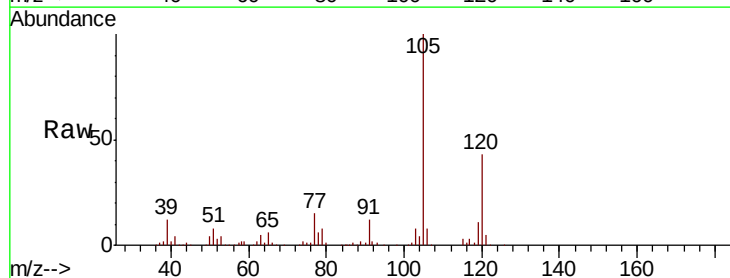
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

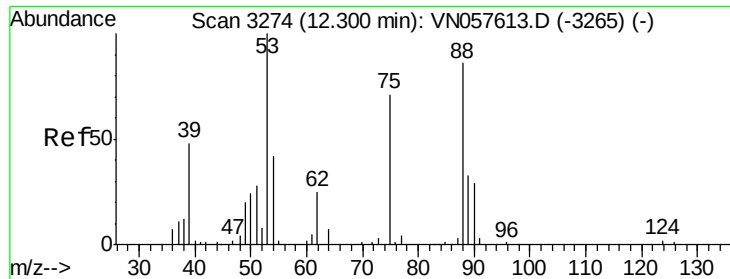
Tgt Ion: 91 Resp: 180785
 Ion Ratio Lower Upper
 91 100
 126 30.5 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.479 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 105 Resp: 217905
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.947 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

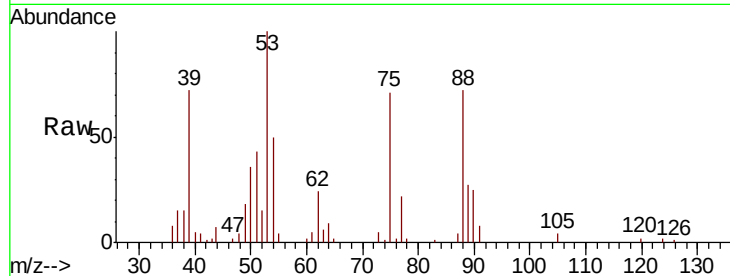
Tgt Ion: 75 Resp: 16969

Ion Ratio Lower Upper

75 100

53 146.4 111.0 166.6

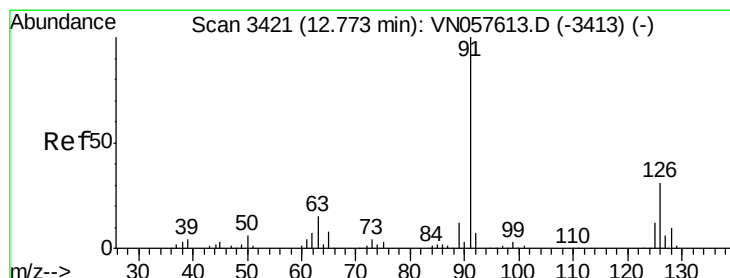
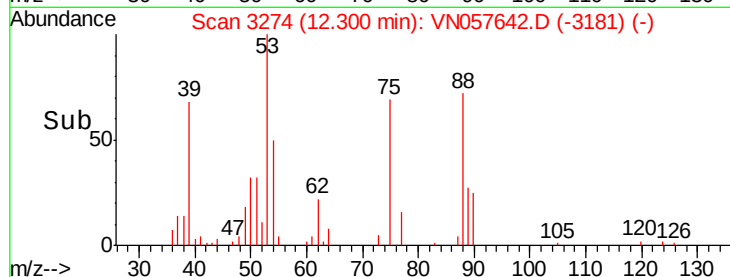
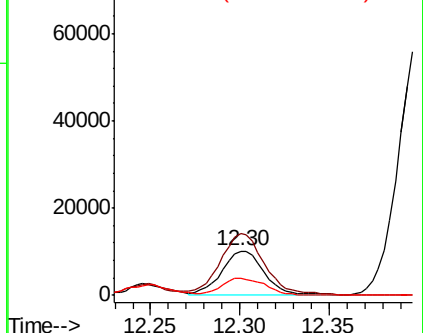
89 40.0 38.3 57.5



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: 20.673 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057642.D

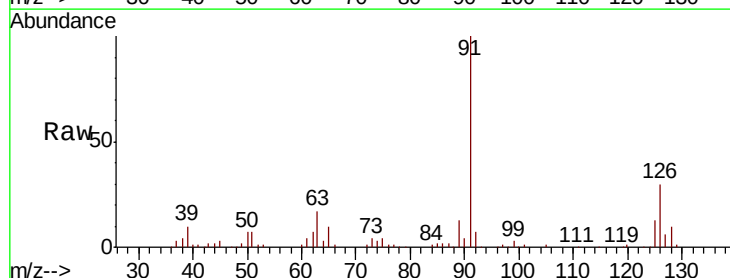
Acq: 1 Sep 2019 14:21

Tgt Ion: 91 Resp: 167344

Ion Ratio Lower Upper

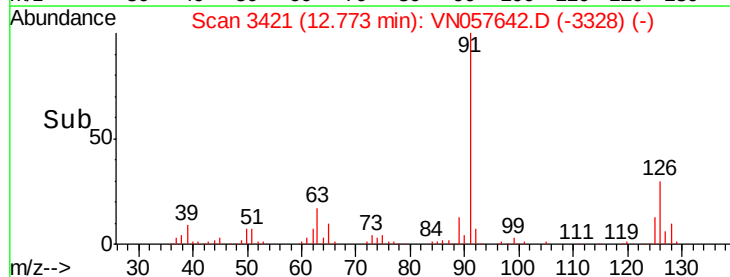
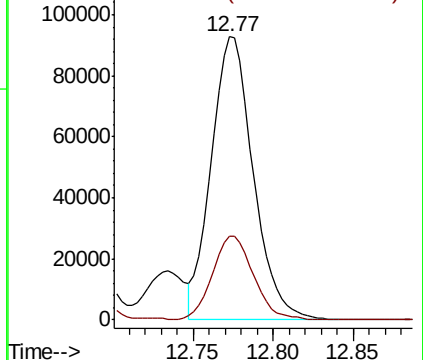
91 100

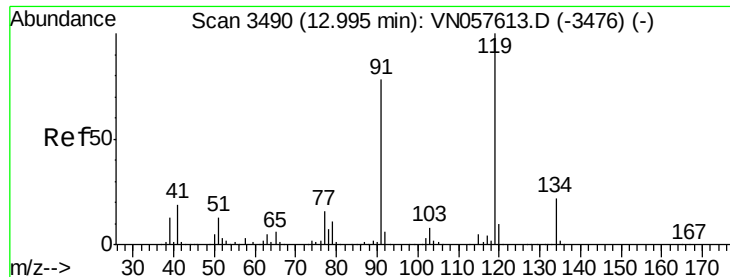
126 29.2 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

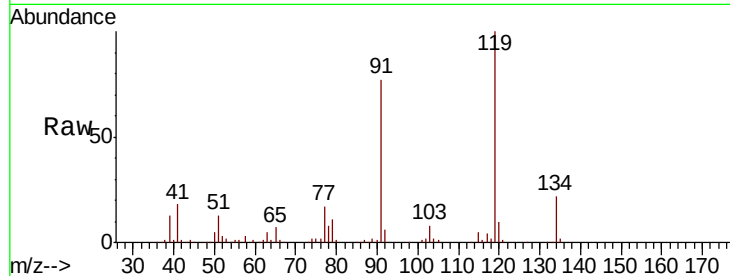




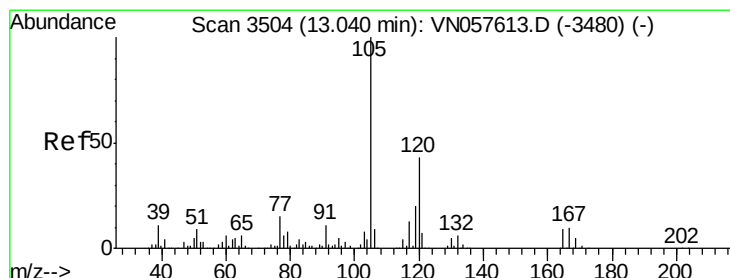
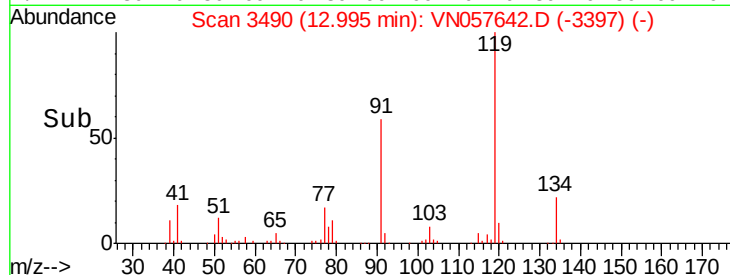
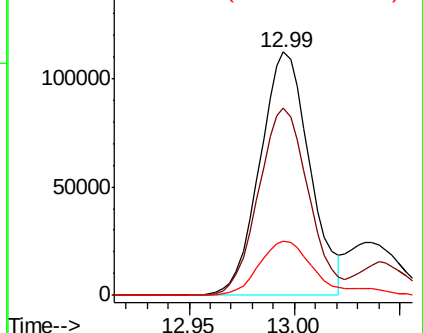
#83
 tert-Butylbenzene
 Concen: 22.346 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBS01

Tgt Ion:119 Resp: 183801
 Ion Ratio Lower Upper
 119 100
 91 77.4 38.3 114.9
 134 25.5 11.3 33.8

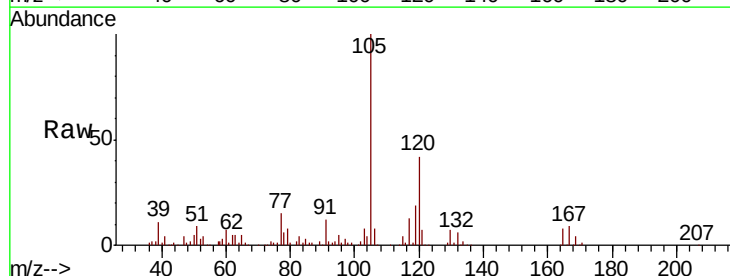


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

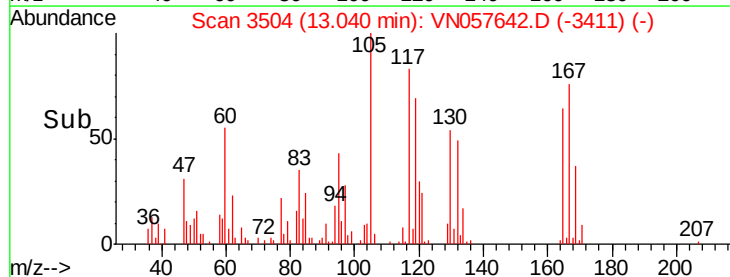
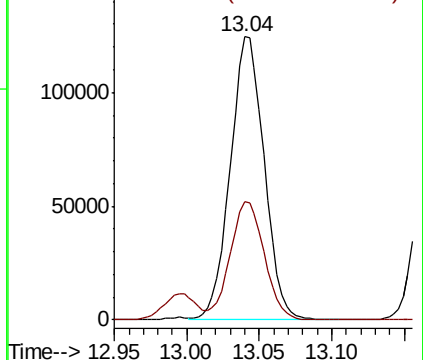


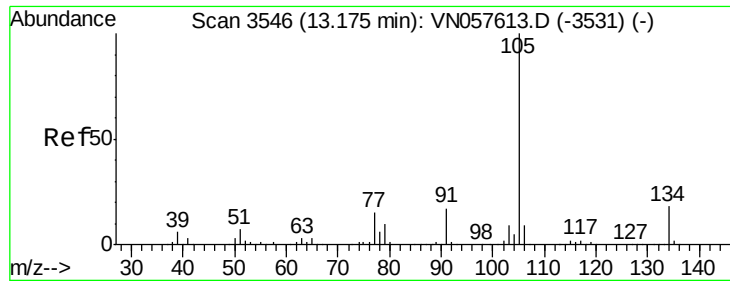
#84
 1,2,4-Trimethylbenzene
 Concen: 21.575 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion:105 Resp: 202338
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

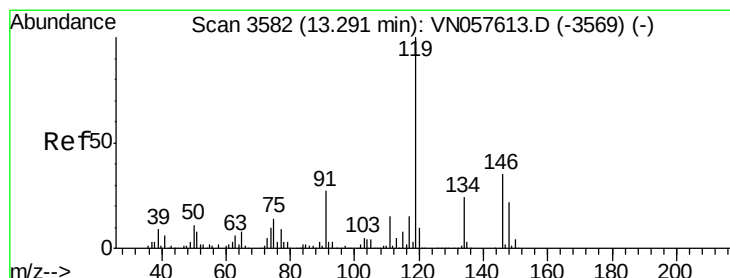
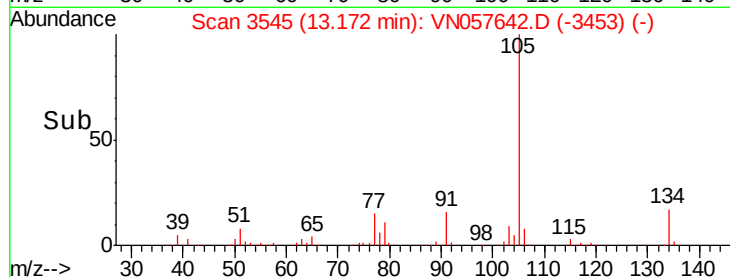
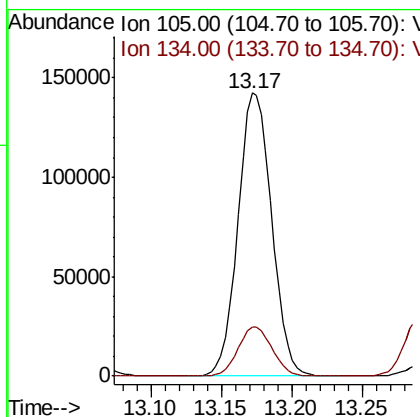
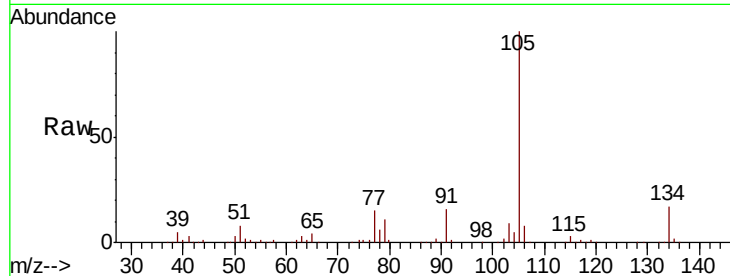




#85
 sec-Butylbenzene
 Concen: 21.549 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

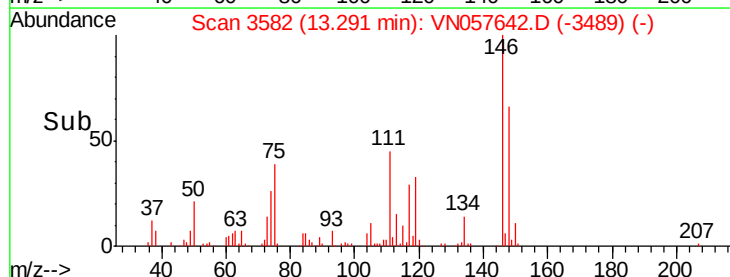
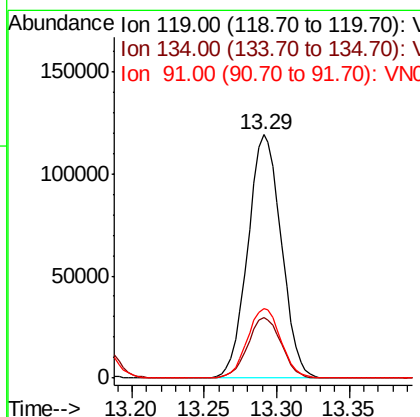
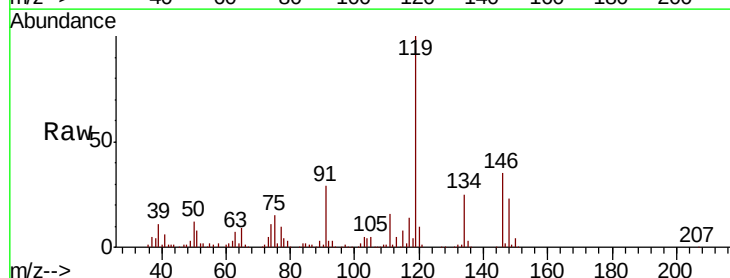
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

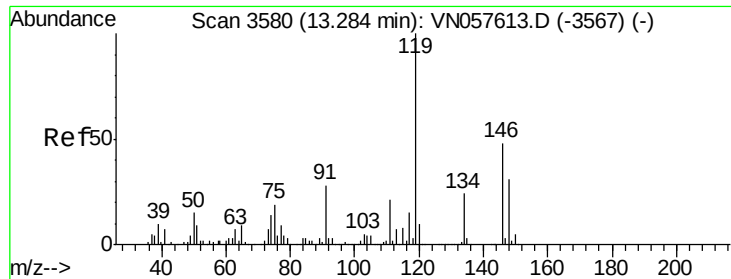
Tgt Ion:105 Resp: 238406
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 20.942 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion:119 Resp: 191606
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.9 35.5
 91 28.8 13.7 41.0

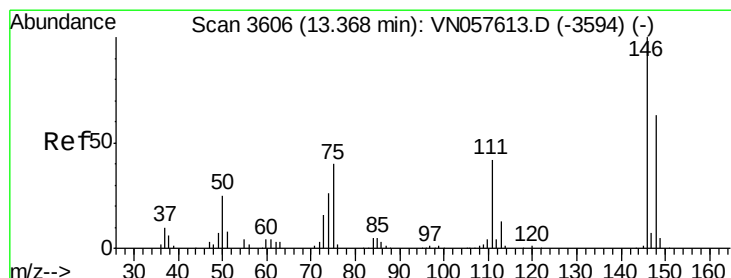
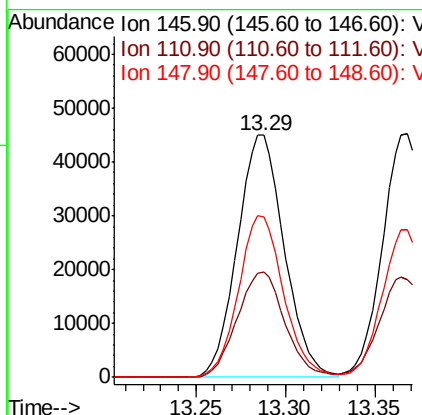
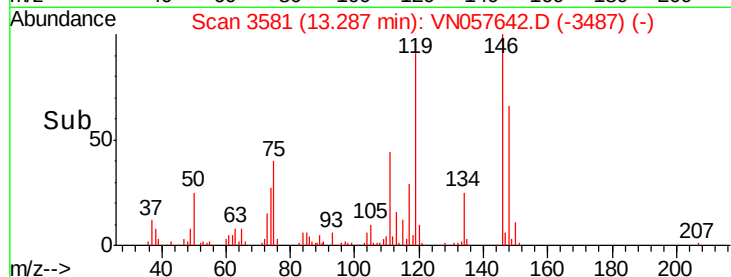
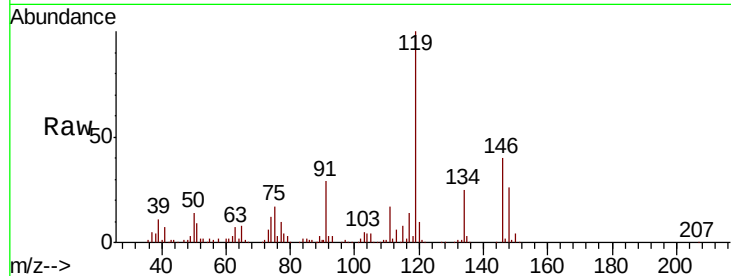




#87
 1,3-Dichlorobenzene
 Concen: 20.138 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

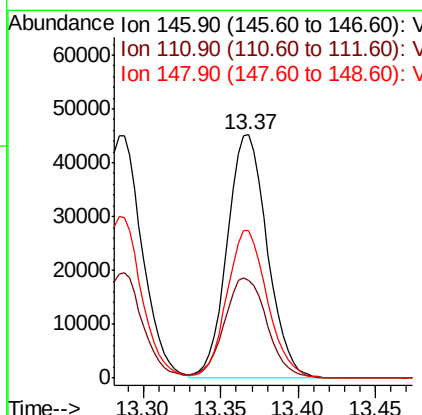
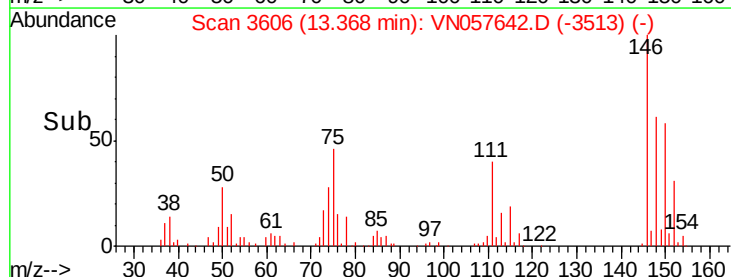
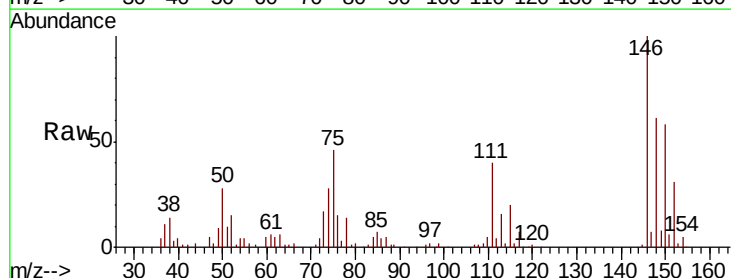
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

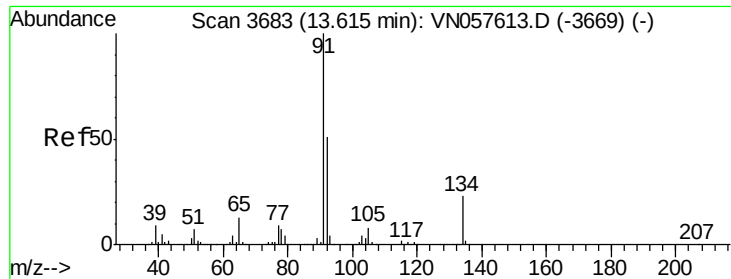
Tgt Ion:146 Resp: 82276
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.3
 148 64.2 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 20.611 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion:146 Resp: 81342
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.6 65.0
 148 61.4 32.2 96.6





#89

n-Butylbenzene

Concen: 20.779 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

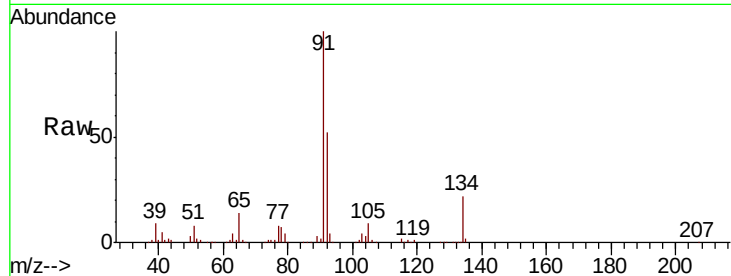
Tgt Ion: 91 Resp: 178163

Ion Ratio Lower Upper

91 100

92 51.8 25.4 76.0

134 21.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057613.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057613.D (-3669) (-)

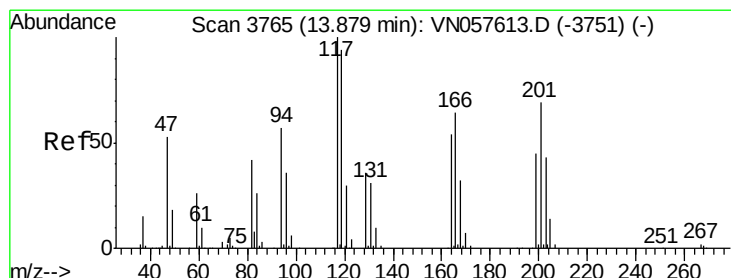
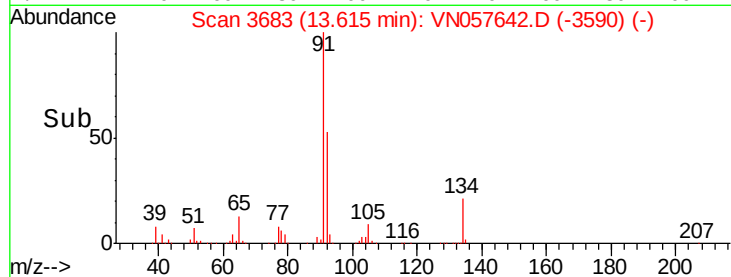
13.62

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 18.630 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057642.D

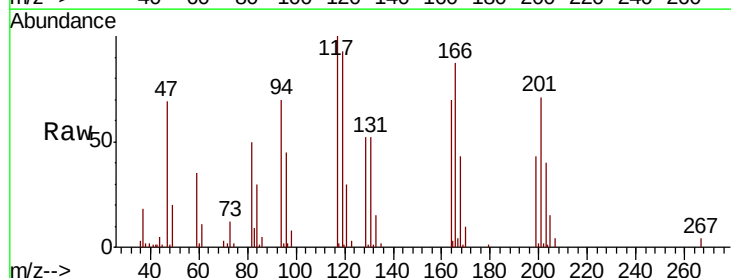
Acq: 1 Sep 2019 14:21

Tgt Ion: 117 Resp: 29593

Ion Ratio Lower Upper

117 100

201 70.7 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VN057613.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057613.D (-3751) (-)

20000

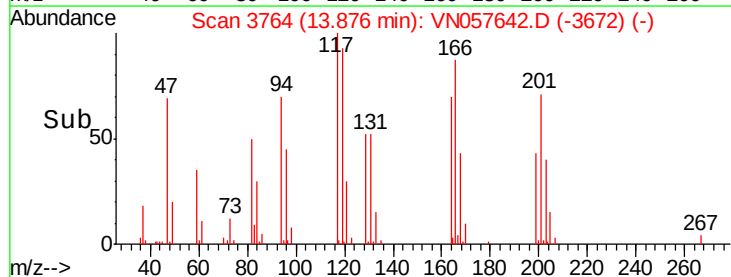
15000

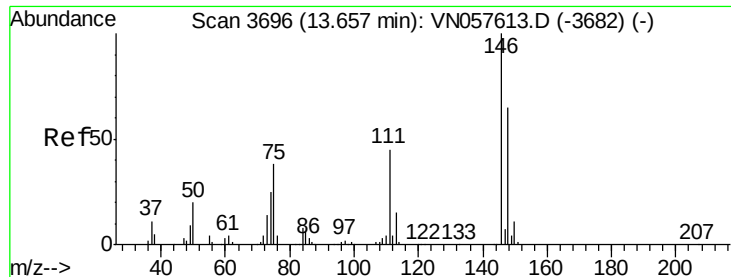
10000

5000

0

Time-->

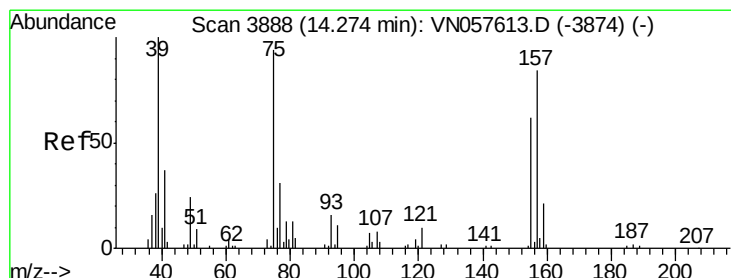
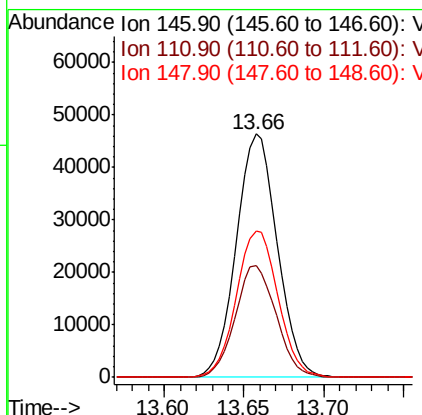
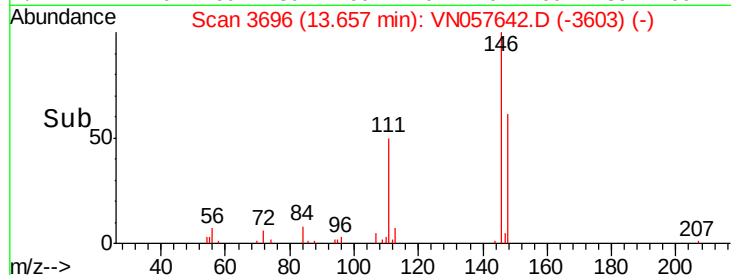
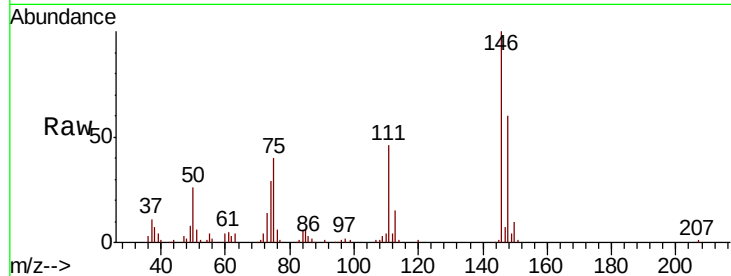




#91
 1,2-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

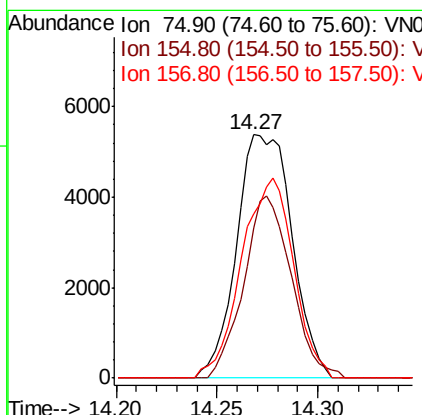
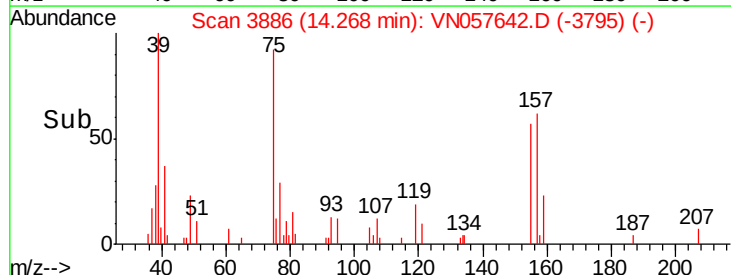
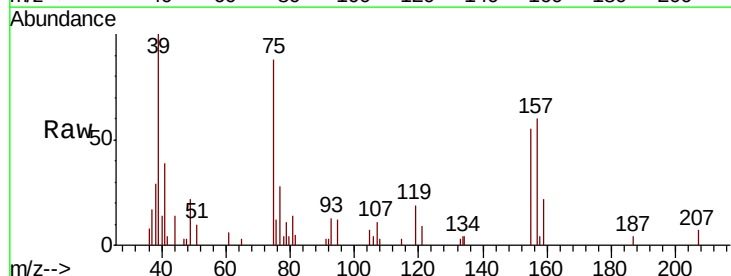
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

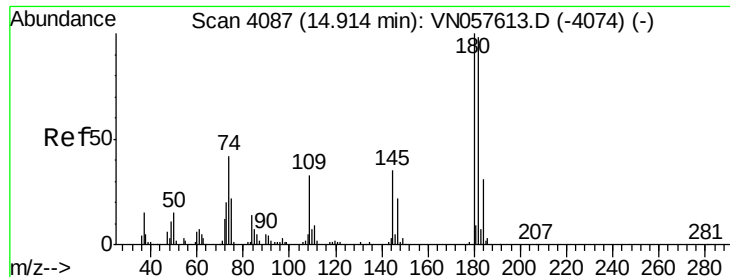
Tgt Ion: 146 Resp: 80876
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.1 66.5
 148 61.2 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.393 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.01 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 75 Resp: 10370
 Ion Ratio Lower Upper
 75 100
 155 64.1 30.1 90.5
 157 76.9 41.4 124.4

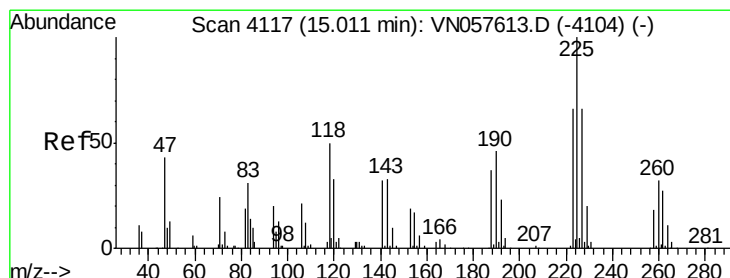
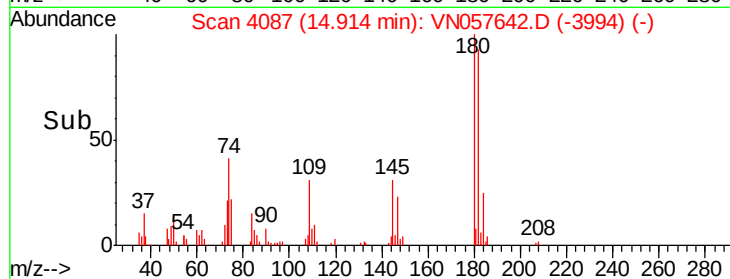
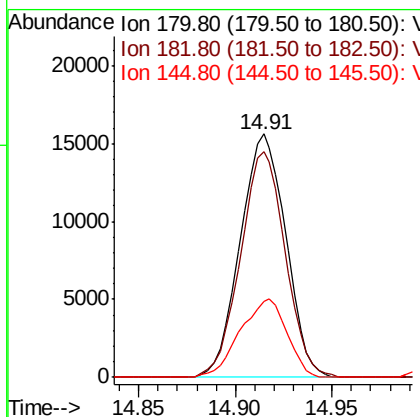
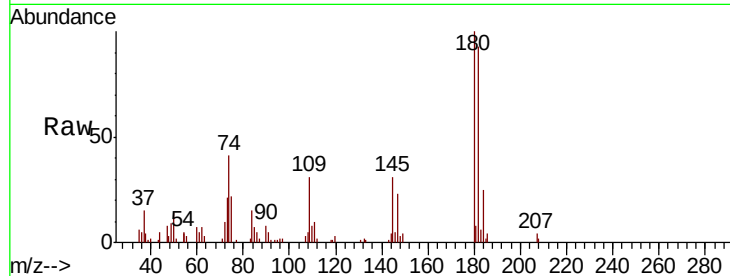




#93
 1,2,4-Trichlorobenzene
 Concen: 20.900 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

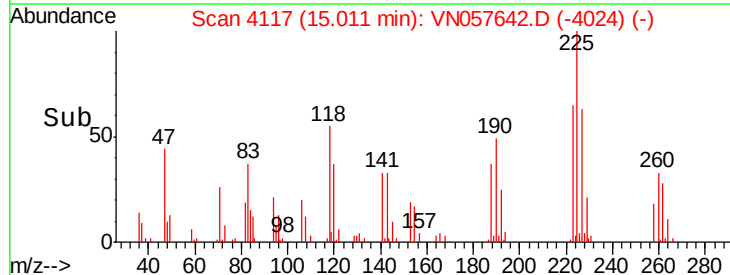
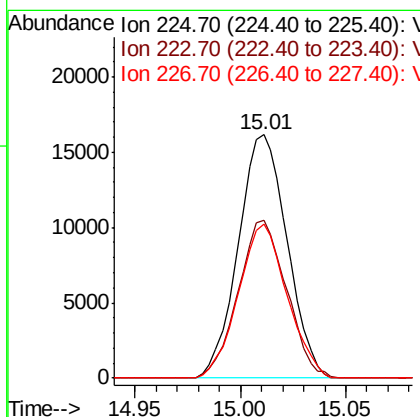
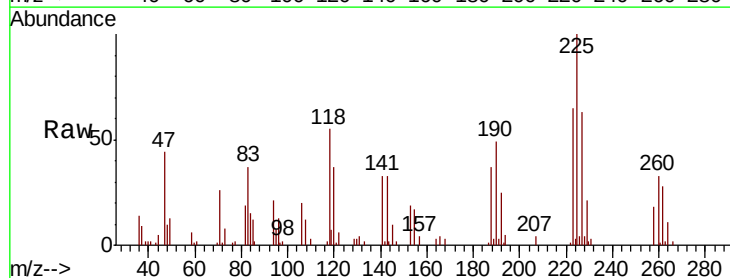
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

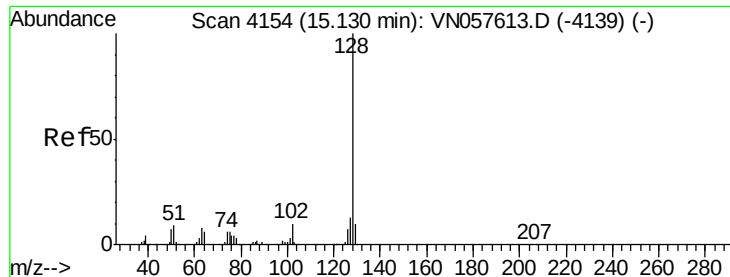
Tgt Ion:180 Resp: 25571
 Ion Ratio Lower Upper
 180 100
 182 91.3 47.8 143.3
 145 33.1 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion:225 Resp: 25985
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.3 96.8
 227 63.1 32.4 97.2





#95

Naphthalene

Concen: 20.334 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

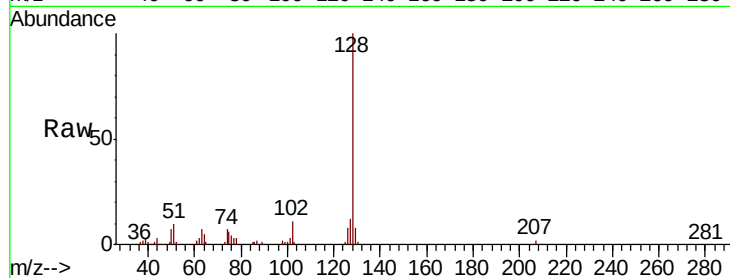
Tgt Ion:128 Resp: 77919

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

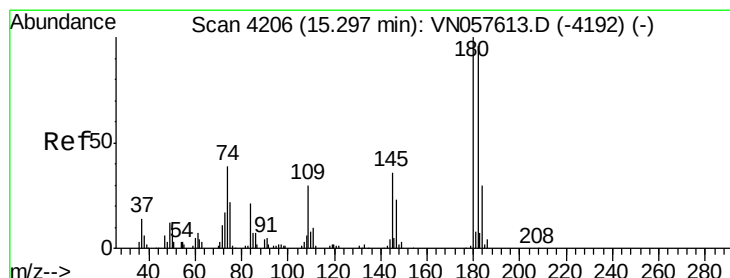
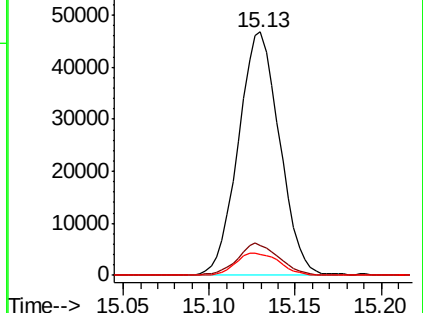
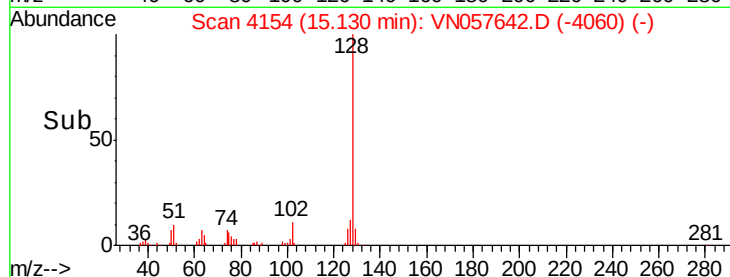
129 9.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.157 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

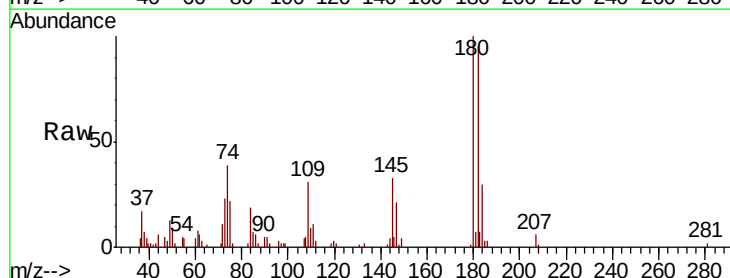
Tgt Ion:180 Resp: 24838

Ion Ratio Lower Upper

180 100

182 91.1 46.3 138.9

145 33.6 17.8 53.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

