

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052480.D
 Acq On : 27 Nov 2018 15:53
 Operator : MD\SY
 Sample : VN1127WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Quant Time: Nov 28 06:10:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1089078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1715414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643101	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	594030	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	531943	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	2068788	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	681116	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	188835	18.518	ug/l	100
3) Chloromethane	2.06	50	251155	18.658	ug/l	98
4) Vinyl Chloride	2.19	62	258718	18.711	ug/l	100
5) Bromomethane	2.58	94	160486	18.602	ug/l	97
6) Chloroethane	2.71	64	158433	18.916	ug/l	100
7) Trichlorofluoromethane	3.02	101	320709	18.882	ug/l	100
8) Diethyl Ether	3.41	74	119096	18.988	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203271	19.179	ug/l	98
10) Methyl Iodide	3.96	142	259958	18.416	ug/l	100
11) Tert butyl alcohol	4.78	59	50522	85.104	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	194975	19.112	ug/l	98
13) Acrolein	3.61	56	81016	100.860	ug/l	99
14) Allyl chloride	4.33	41	340257	19.352	ug/l	99
15) Acrylonitrile	4.99	53	334838	89.103	ug/l	98
16) Acetone	3.82	43	266584	85.234	ug/l	99
17) Carbon Disulfide	4.06	76	581882	18.124	ug/l	99
18) Methyl Acetate	4.33	43	156148	17.405	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	514978	18.973	ug/l	98
20) Methylene Chloride	4.56	84	225365	18.413	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	208314	19.119	ug/l	98
22) Diisopropyl ether	5.95	45	714163	19.337	ug/l	99
23) Vinyl Acetate	5.90	43	2145839	93.281	ug/l	100
24) 1,1-Dichloroethane	5.85	63	408507	19.372	ug/l	99
25) 2-Butanone	6.84	43	386803	87.252	ug/l	99
26) 2,2-Dichloropropane	6.83	77	285008	19.526	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	242124	19.077	ug/l	99
28) Bromochloromethane	7.20	49	185291	19.238	ug/l	99
29) Tetrahydrofuran	7.21	42	244622	85.551	ug/l	99
30) Chloroform	7.37	83	394439	18.748	ug/l	99
31) Cyclohexane	7.65	56	398356	19.293	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	323694	19.418	ug/l	98
36) 1,1-Dichloropropene	7.79	75	303656	18.745	ug/l	98
37) Ethyl Acetate	6.93	43	171065	17.303	ug/l	99
38) Carbon Tetrachloride	7.78	117	278766	19.010	ug/l	99

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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)
39) Methylcyclohexane	9.08	83	375038	19.048	ug/l	99
40) Benzene	8.04	78	923854	19.137	ug/l	100
41) Methacrylonitrile	7.17	41	89387	16.538	ug/l	94
42) 1,2-Dichloroethane	8.13	62	274963	18.810	ug/l	99
43) Isopropyl Acetate	8.17	43	299298	17.889	ug/l	100
44) Trichloroethene	8.83	130	237386	19.197	ug/l	99
45) 1,2-Dichloropropane	9.12	63	247435	19.278	ug/l	100
46) Dibromomethane	9.21	93	134020	18.862	ug/l	99
47) Bromodichloromethane	9.40	83	290959	18.835	ug/l	99
48) Methyl methacrylate	9.20	41	154366	17.695	ug/l	99
49) 1,4-Dioxane	9.20	88	33304	367.848	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	829148	88.330	ug/l	100
52) Toluene	10.16	92	556096	19.388	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276624	18.614	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	342638	19.239	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191107	18.941	ug/l	99
56) Ethyl methacrylate	10.43	69	232581	18.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	333467	18.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	657485	89.806	ug/l	100
59) 2-Hexanone	10.75	43	548724	87.098	ug/l	100
60) Dibromochloromethane	10.90	129	202955	18.521	ug/l	100
61) 1,2-Dibromoethane	11.01	107	184483	18.410	ug/l	100
64) Tetrachloroethene	10.63	164	219580	19.124	ug/l	98
65) Chlorobenzene	11.43	112	600900	19.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	208096	19.599	ug/l	99
67) Ethyl Benzene	11.51	91	1055691	19.742	ug/l	99
68) m/p-Xylenes	11.62	106	788122	39.589	ug/l	100
69) o-Xylene	11.95	106	384307	19.880	ug/l	100
70) Styrene	11.96	104	612709	19.899	ug/l	99
71) Bromoform	12.13	173	129648	18.441	ug/l #	98
73) Isopropylbenzene	12.25	105	1027552	20.366	ug/l	100
74) N-amyl acetate	12.07	43	231942	18.196	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	218750	19.059	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262005	26.420	ug/l #	100
77) Bromobenzene	12.53	156	245304	19.670	ug/l	99
78) n-propylbenzene	12.59	91	1154574	20.143	ug/l	99
79) 2-Chlorotoluene	12.67	91	680523	19.937	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	823694	20.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52918	17.820	ug/l	95
82) 4-Chlorotoluene	12.77	91	681820	19.820	ug/l	100
83) tert-Butylbenzene	12.99	119	735164	20.493	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	826279	20.489	ug/l	100
85) sec-Butylbenzene	13.17	105	992916	20.321	ug/l	100
86) p-Isopropyltoluene	13.29	119	835794	20.083	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	426562	19.554	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	411795	19.164	ug/l	98
89) n-Butylbenzene	13.62	91	689521	19.922	ug/l	100
90) Hexachloroethane	13.88	117	135080	19.169	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	411033	19.722	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29669	18.074	ug/l	99

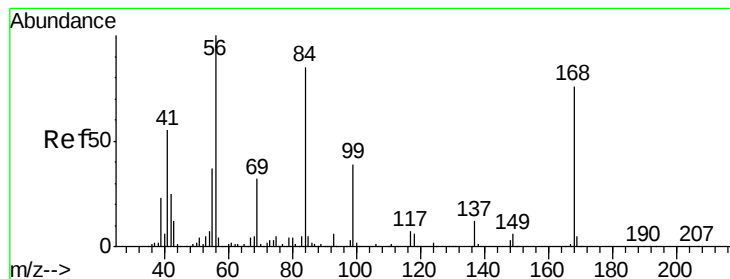
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188060	18.369	ug/l	100
94) Hexachlorobutadiene	15.01	225	133746	19.948	ug/l	98
95) Naphthalene	15.13	128	367971	17.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	178422	18.797	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampled :

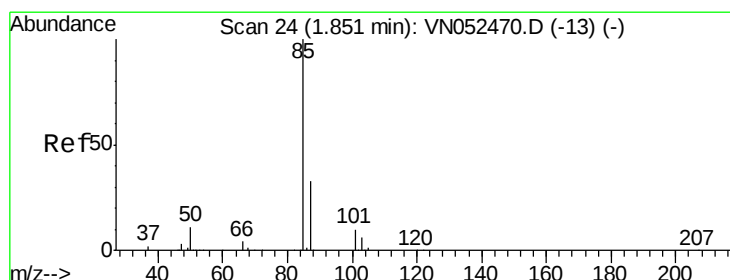
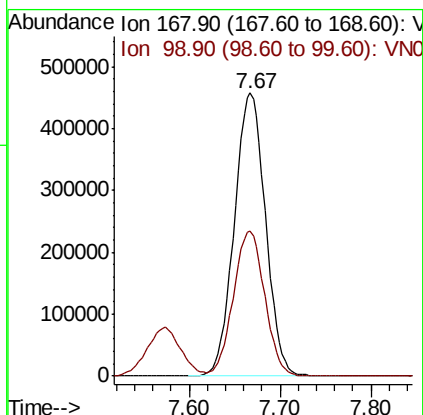
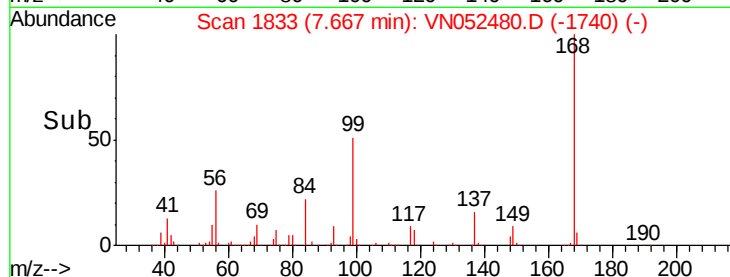
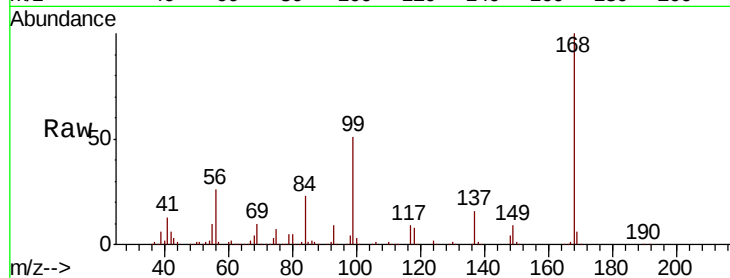
VN1127WBS01

Tot Ion:168 Resp: 1089078

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



#2

Dichlorodifluoromethane

Concen: 18.518 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052480.D

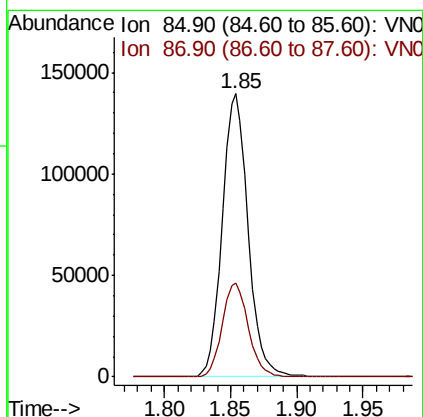
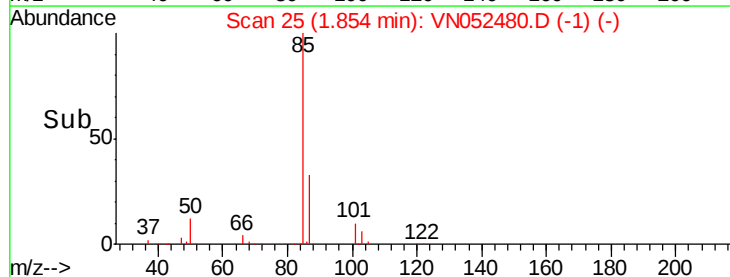
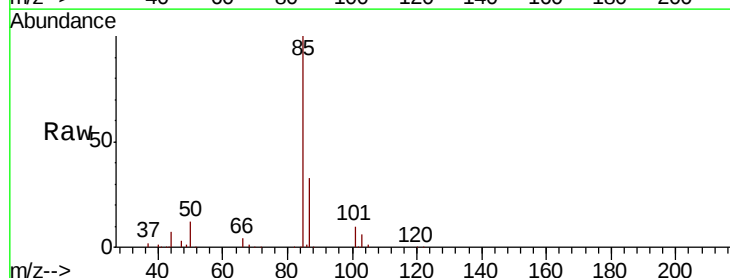
Acq: 27 Nov 2018 15:53

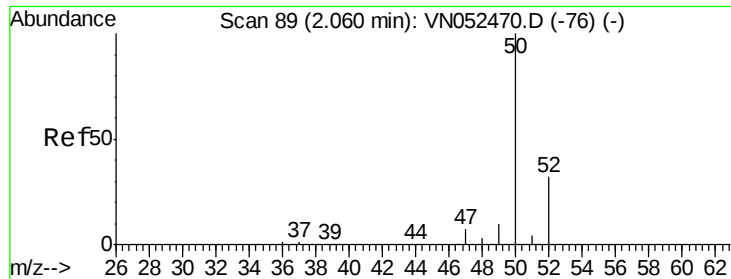
Tgt Ion: 85 Resp: 188835

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.1

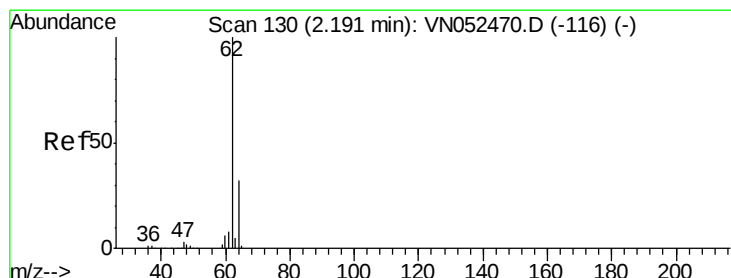
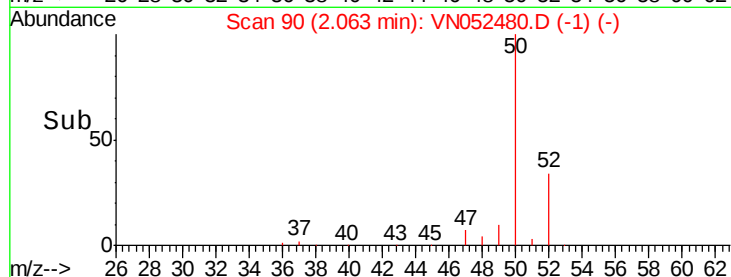
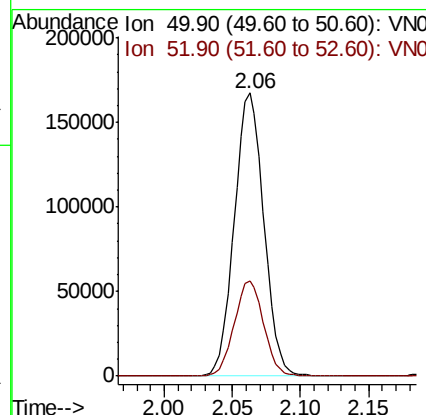
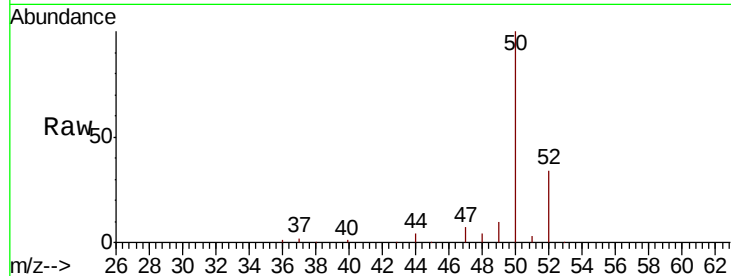




#3
 Chloromethane
 Concen: 18.658 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

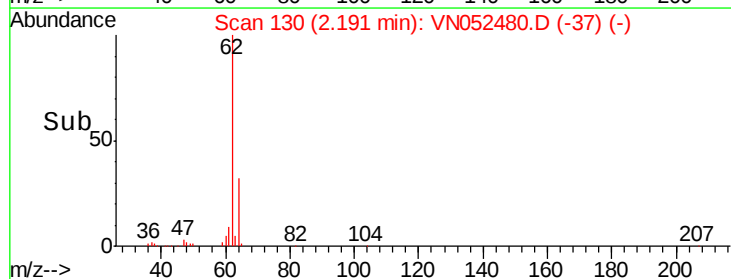
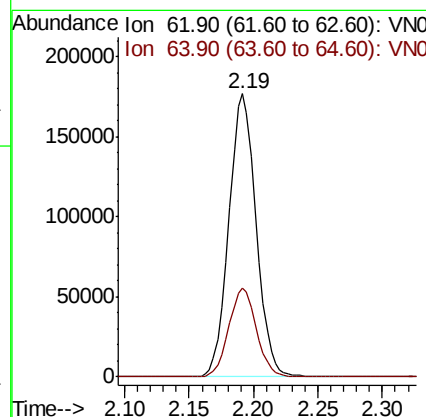
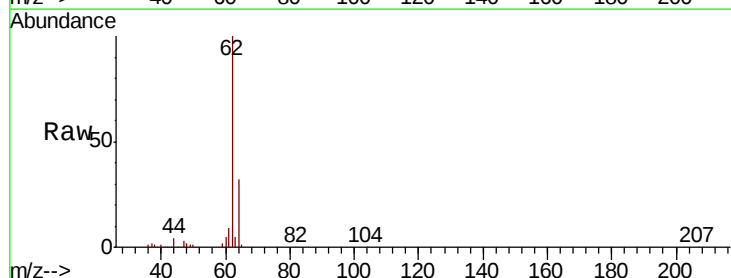
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

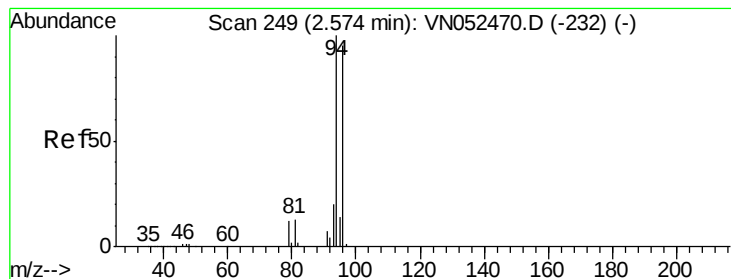
Tot Ion: 50 Resp: 251155
 Ion Ratio Lower Upper
 50 100
 52 33.7 25.9 38.9



#4
 Vinyl Chloride
 Concen: 18.711 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 62 Resp: 258718
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.2





#5

Bromomethane

Concen: 18.602 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

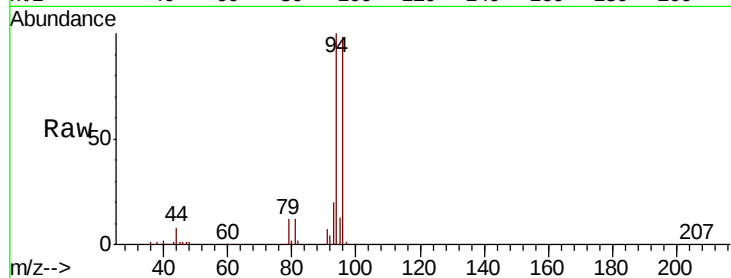
VN1127WBS01

Tot Ion: 94 Resp: 160486

Ion Ratio Lower Upper

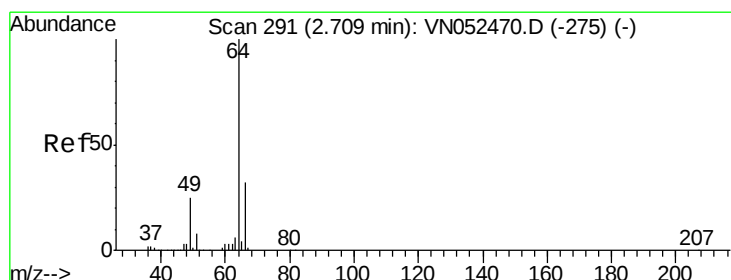
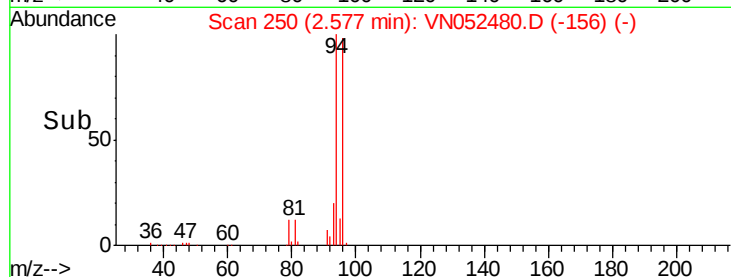
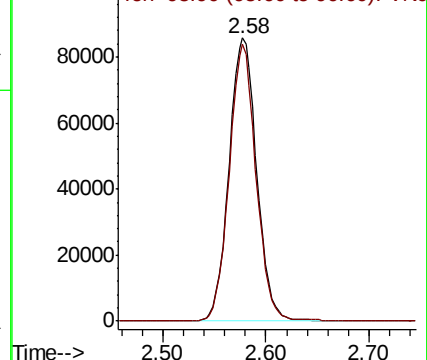
94 100

96 98.1 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052480.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052480.D (-156) (-)



#6

Chloroethane

Concen: 18.916 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052480.D

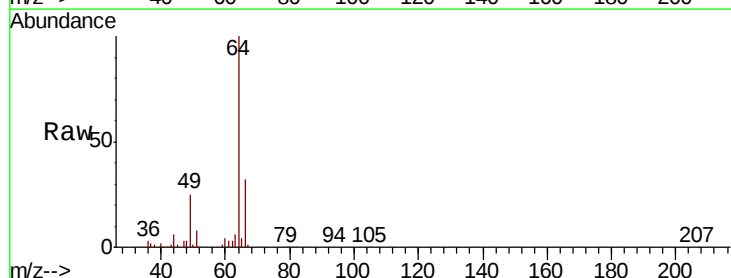
Acq: 27 Nov 2018 15:53

Tgt Ion: 64 Resp: 158433

Ion Ratio Lower Upper

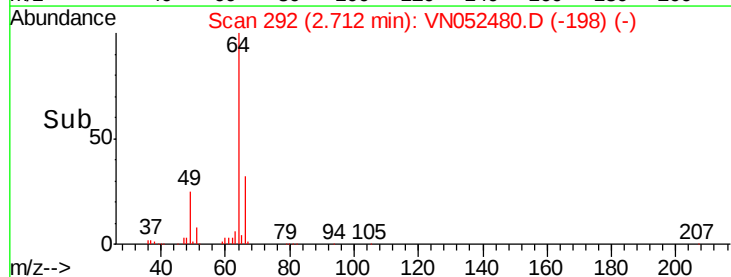
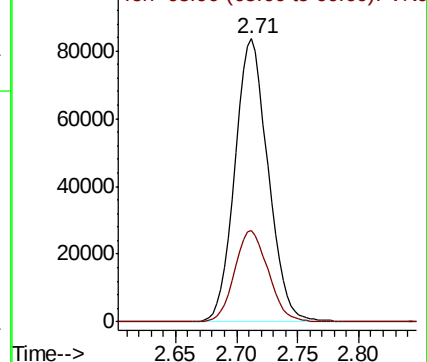
64 100

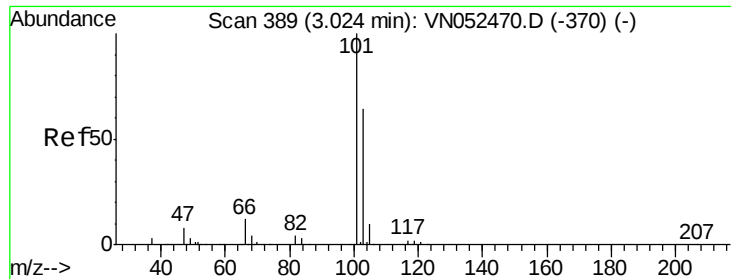
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052480.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052480.D (-198) (-)



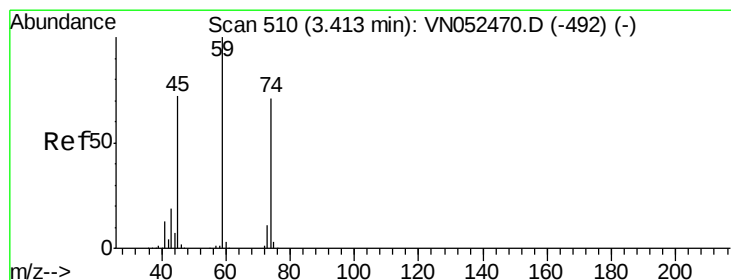
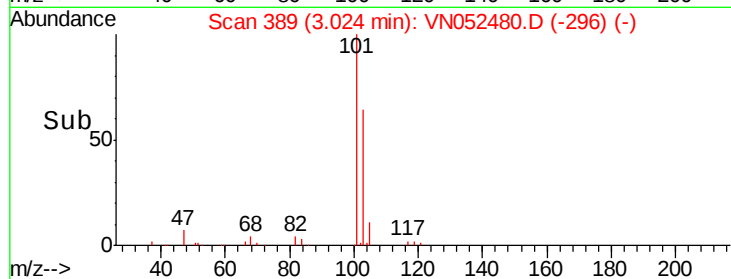
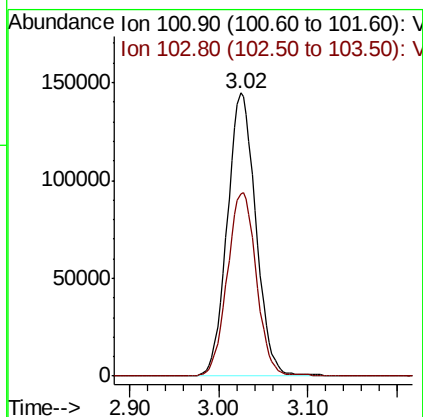
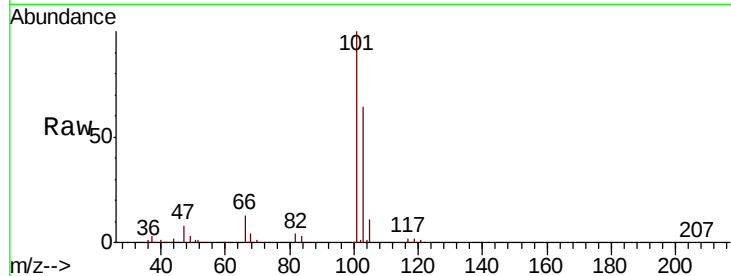


#7

Trichlorofluoromethane
 Concen: 18.882 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

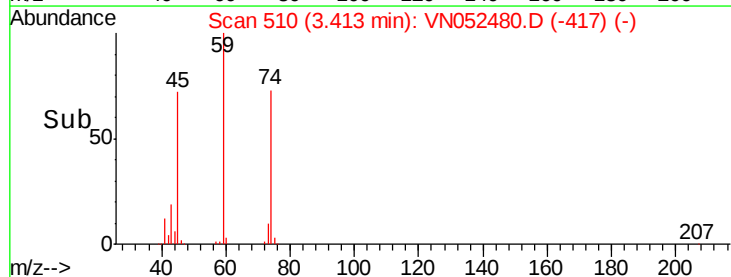
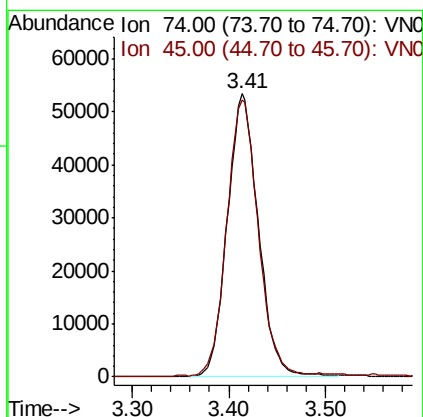
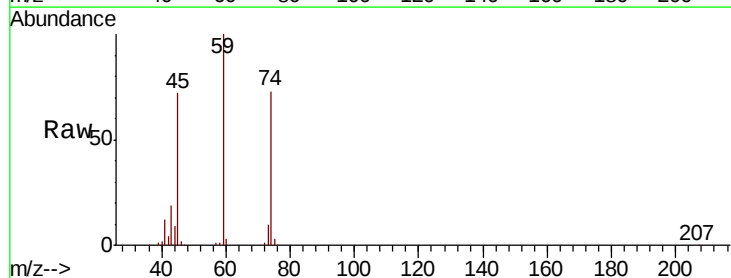
Tot Ion:101 Resp: 320709
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2



#8

Diethyl Ether
 Concen: 18.988 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 74 Resp: 119096
 Ion Ratio Lower Upper
 74 100
 45 98.3 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.179 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

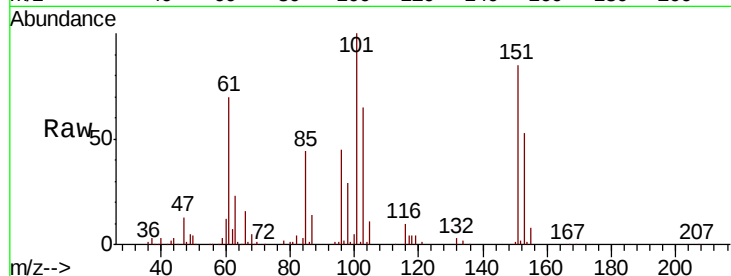
Tot Ion:101 Resp: 203271

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

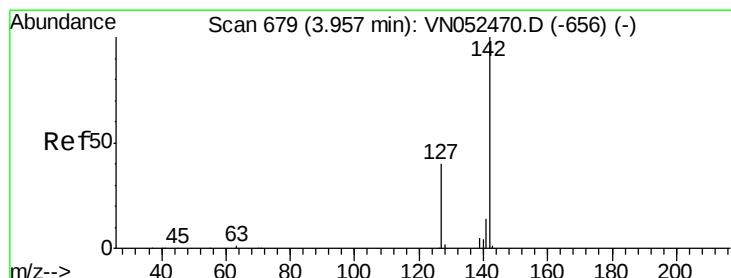
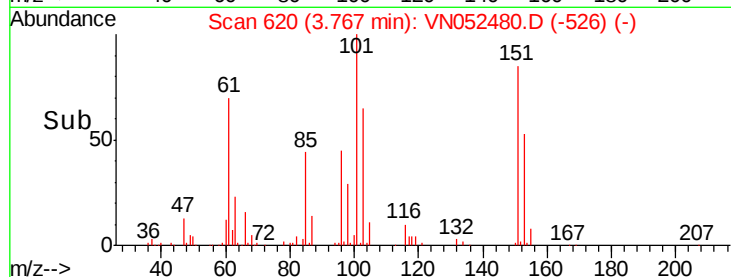
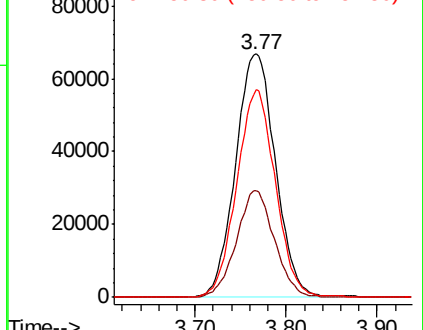
151 82.5 64.6 96.8



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: 18.416 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

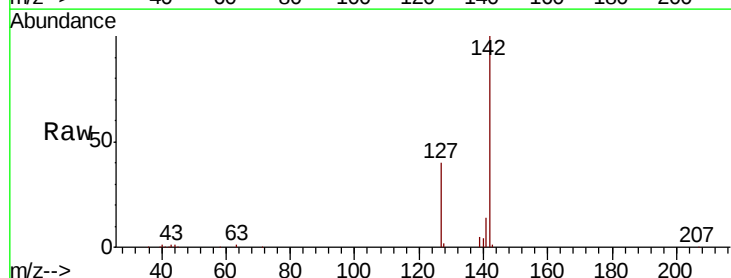
Tgt Ion:142 Resp: 259958

Ion Ratio Lower Upper

142 100

127 39.5 31.8 47.6

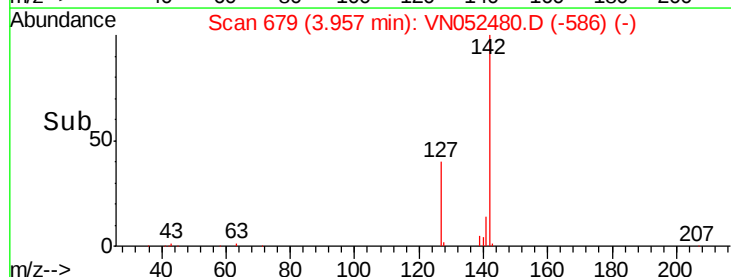
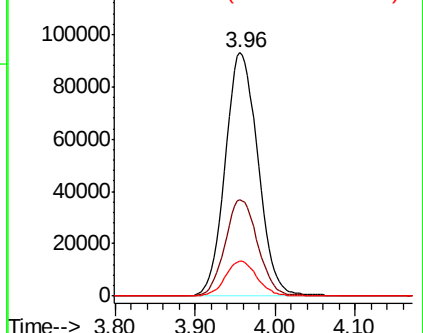
141 13.8 11.4 17.0

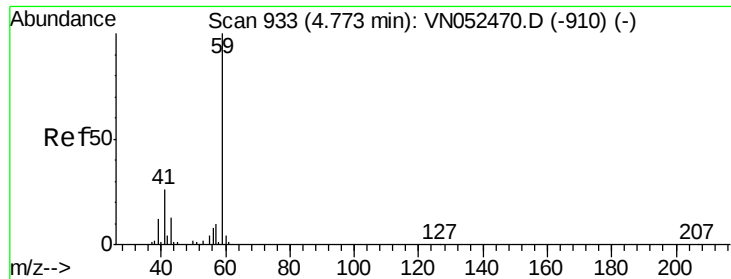


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



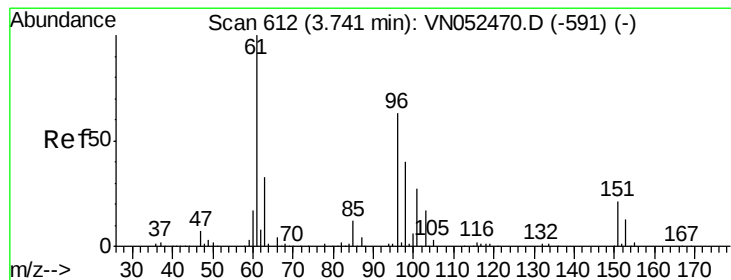
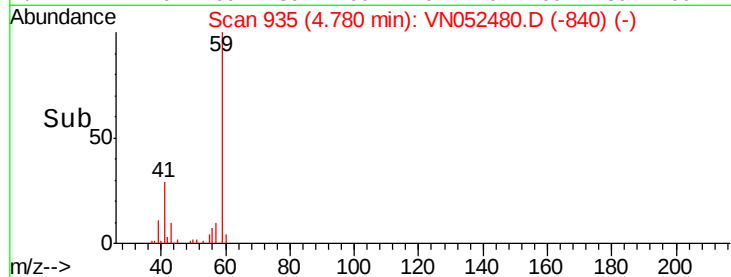
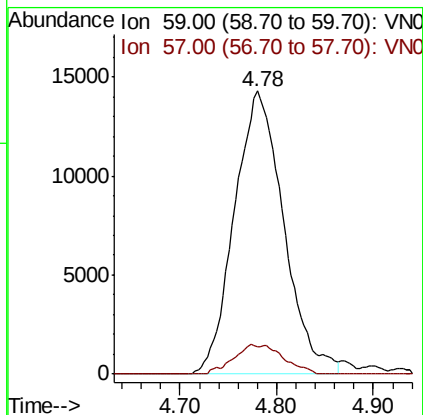
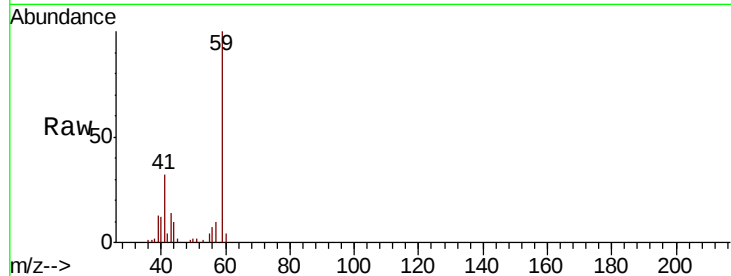


#11

Tert butyl alcohol
 Concen: 85.104 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

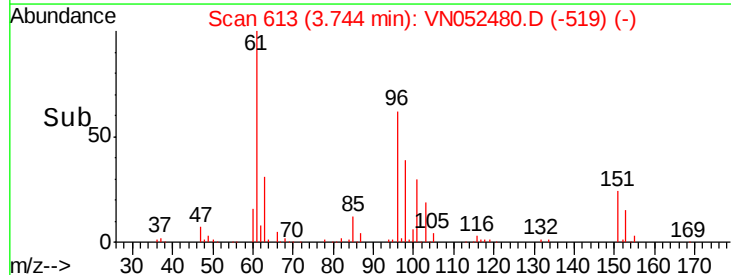
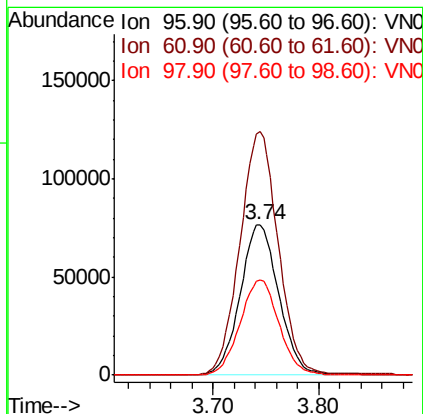
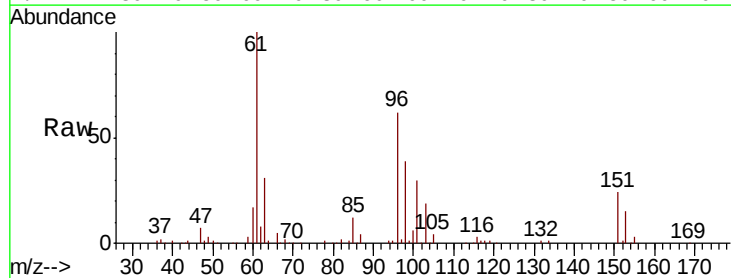
Tot Ion: 59 Resp: 50522
 Ion Ratio Lower Upper
 59 100
 57 5.1 7.9 11.9#

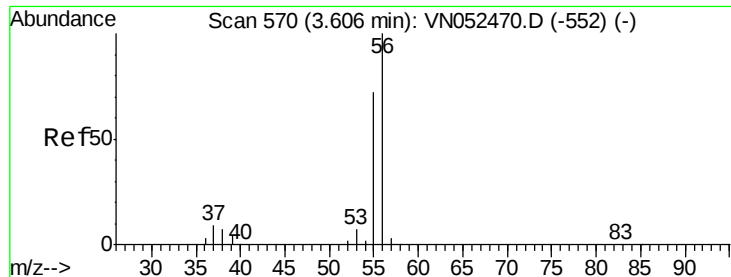


#12

1,1-Dichloroethene
 Concen: 19.112 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 96 Resp: 194975
 Ion Ratio Lower Upper
 96 100
 61 161.8 127.0 190.6
 98 63.5 50.3 75.5

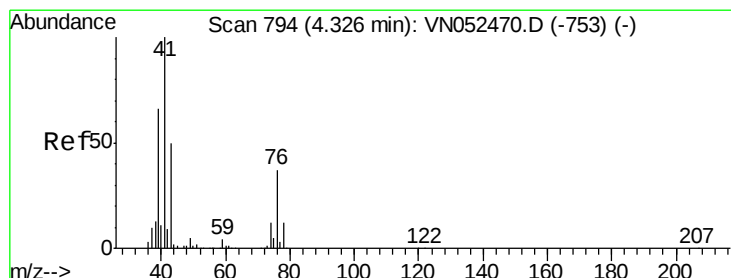
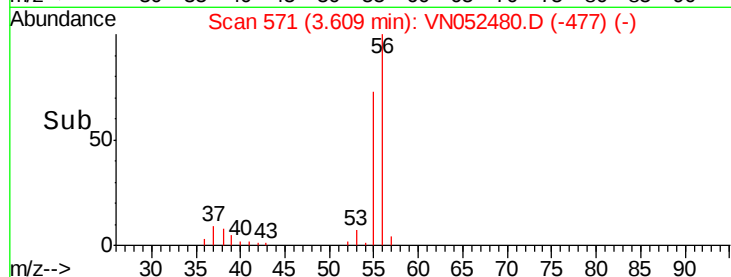
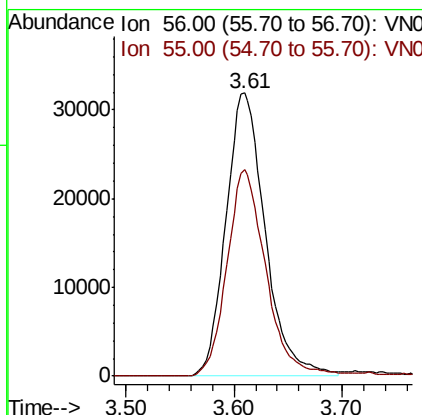
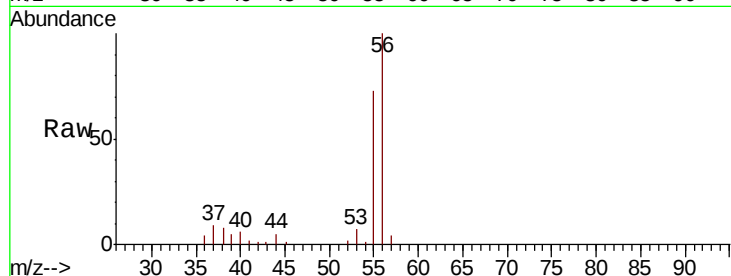




#13
Acrolein
Concen: 100.860 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

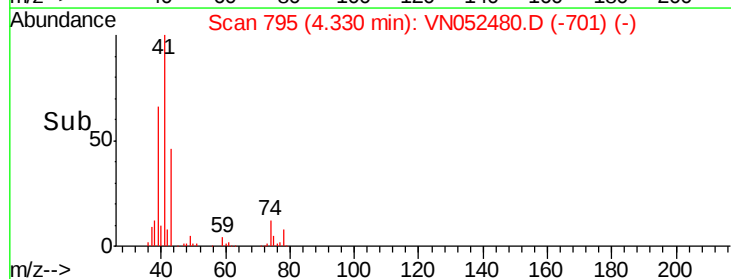
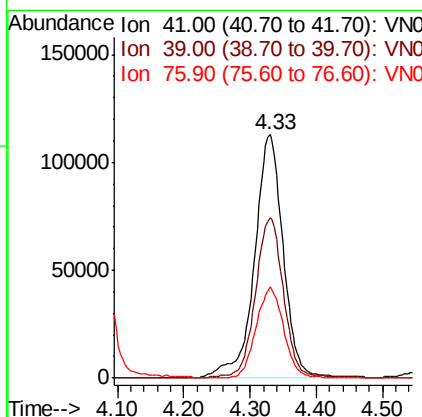
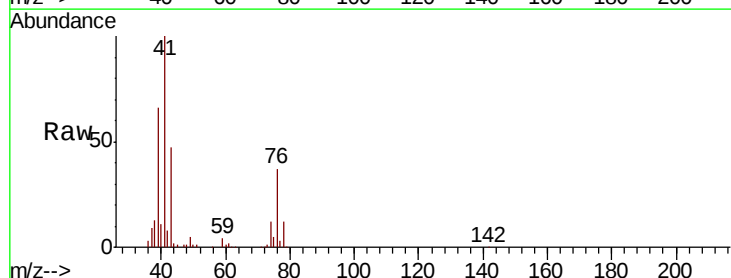
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tot Ion: 56 Resp: 81016
Ion Ratio Lower Upper
56 100
55 72.2 56.8 85.2



#14
Allyl chloride
Concen: 19.352 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 41 Resp: 340257
Ion Ratio Lower Upper
41 100
39 64.3 50.6 76.0
76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 89.103 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

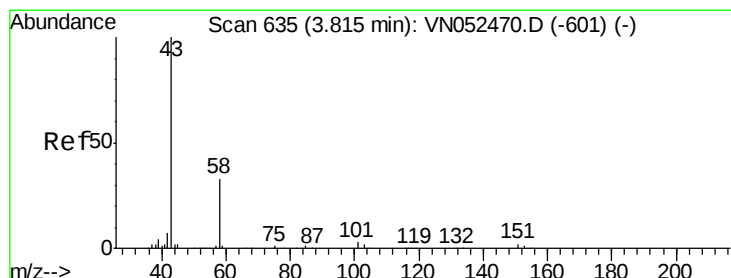
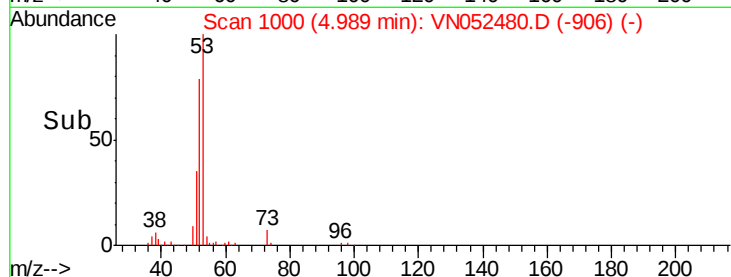
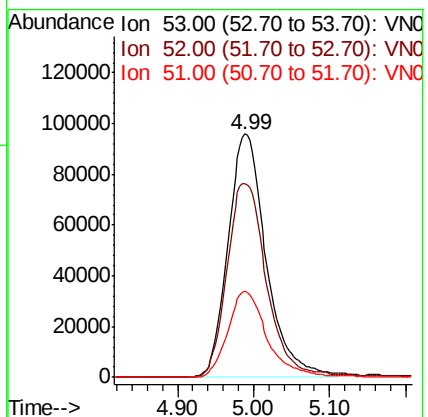
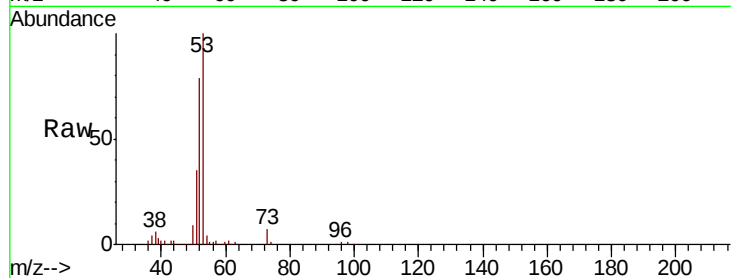
Tot Ion: 53 Resp: 334838

Ion Ratio Lower Upper

53 100

52 81.5 66.2 99.2

51 36.3 28.1 42.1



#16

Acetone

Concen: 85.234 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052480.D

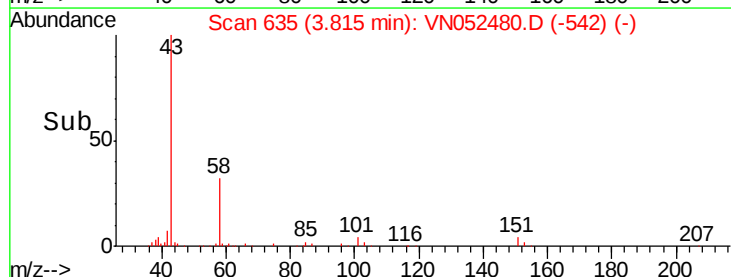
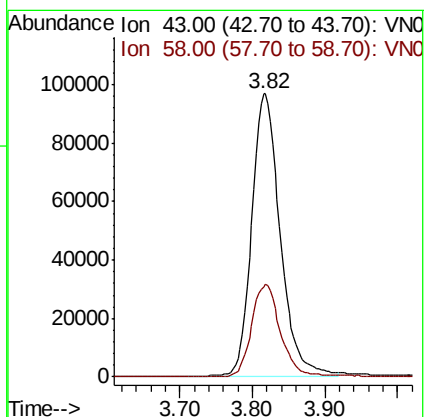
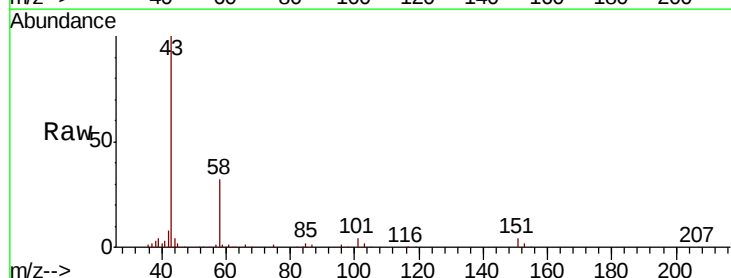
Acq: 27 Nov 2018 15:53

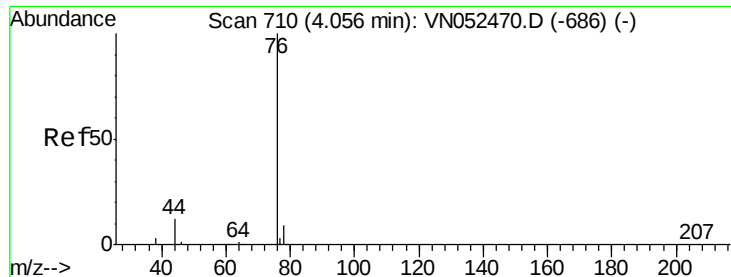
Tgt Ion: 43 Resp: 266584

Ion Ratio Lower Upper

43 100

58 31.9 26.0 39.0

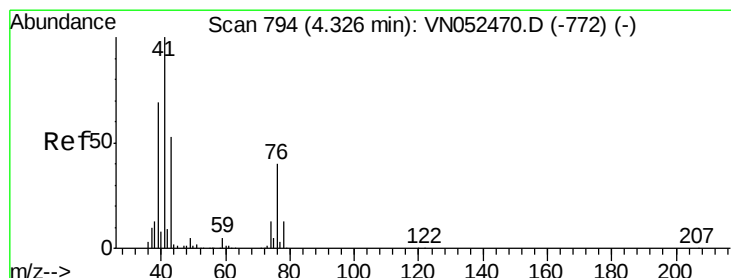
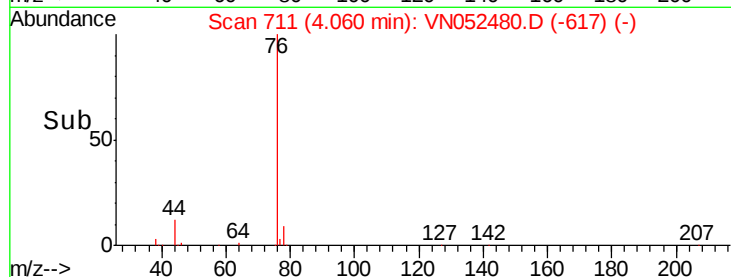
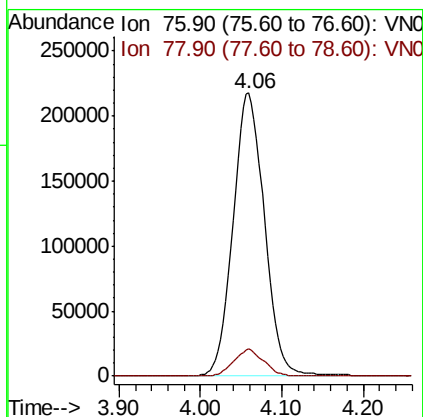
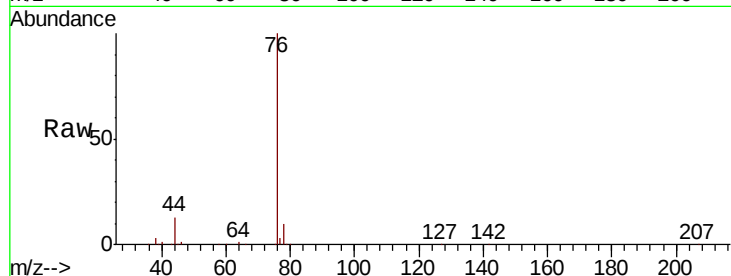




#17
Carbon Disulfide
Concen: 18.124 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

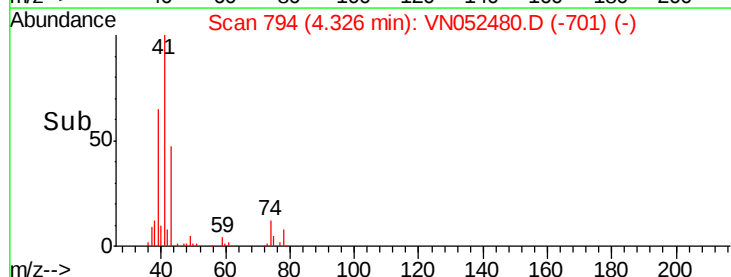
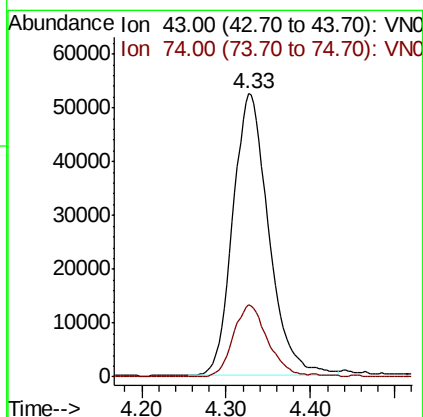
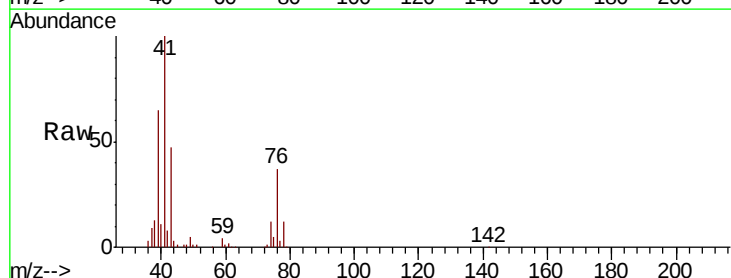
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

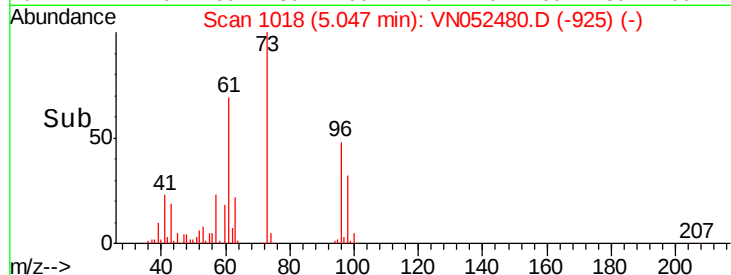
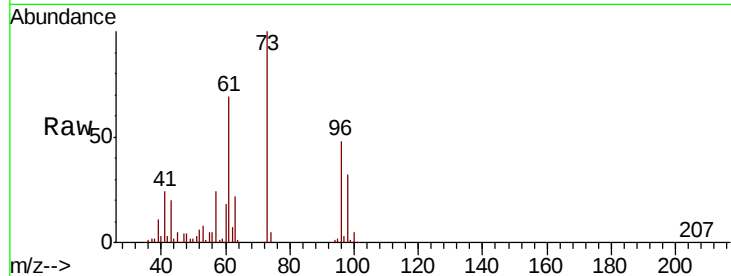
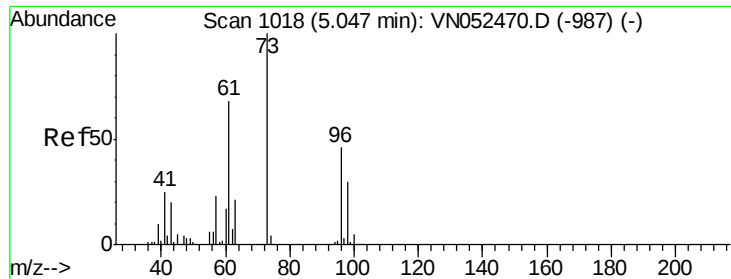
Tot Ion: 76 Resp: 581882
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 17.405 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 43 Resp: 156148
Ion Ratio Lower Upper
43 100
74 24.3 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 18.973 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampled :

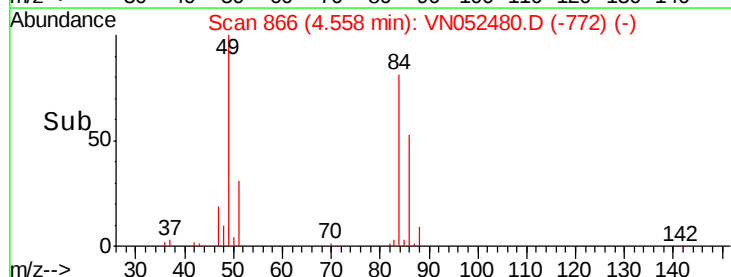
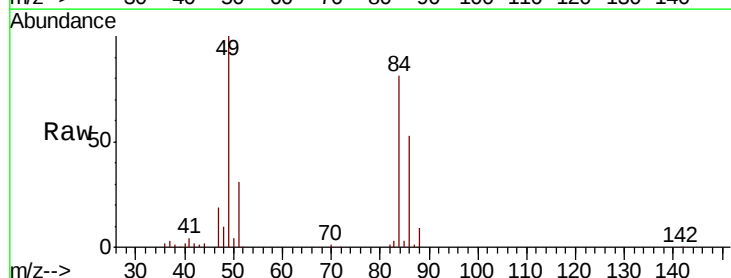
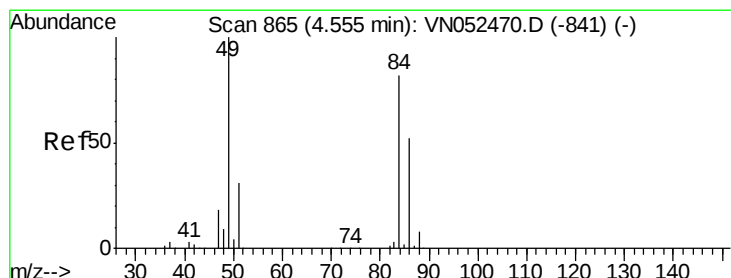
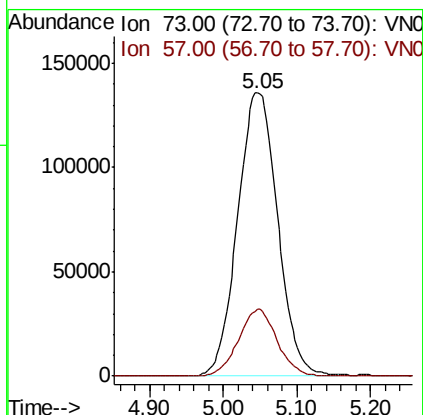
VN1127WBS01

Tot Ion: 73 Resp: 514978

Ion Ratio Lower Upper

73 100

57 23.6 18.2 27.2



#20

Methylene Chloride

Concen: 18.413 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion: 84 Resp: 225365

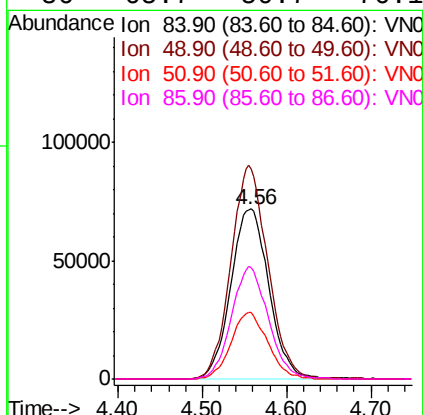
Ion Ratio Lower Upper

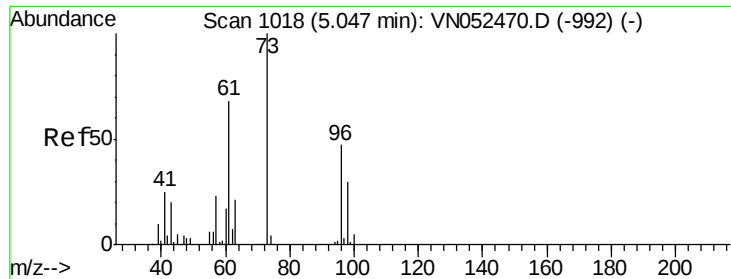
84 100

49 123.7 98.0 147.0

51 38.9 30.1 45.1

86 65.7 50.7 76.1

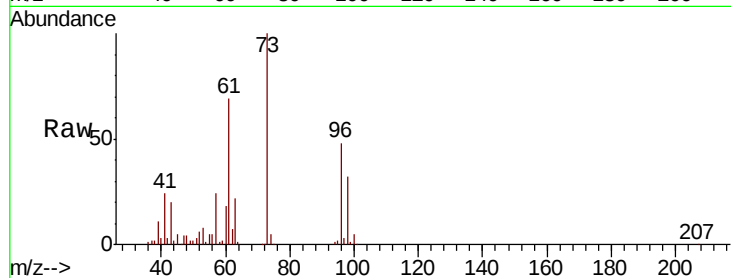




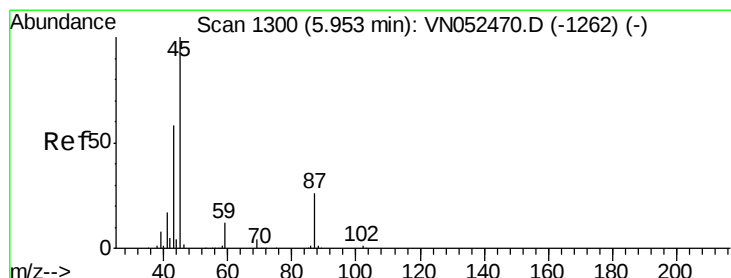
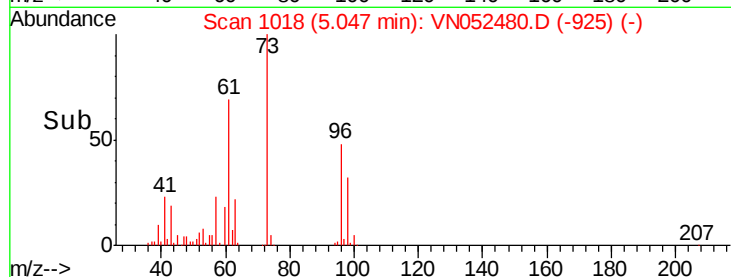
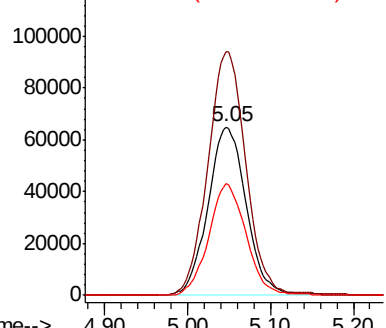
#21
trans-1,2-Dichloroethene
Concen: 19.119 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tot Ion: 96 Resp: 208314
Ion Ratio Lower Upper
96 100
61 144.3 117.0 175.4
98 66.1 51.8 77.6

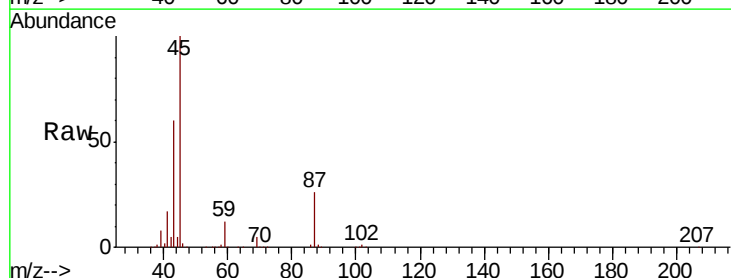


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

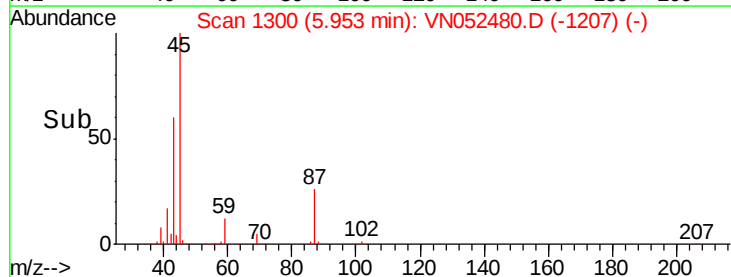
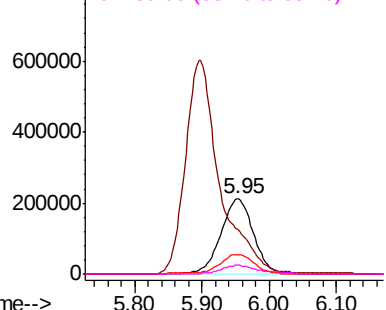


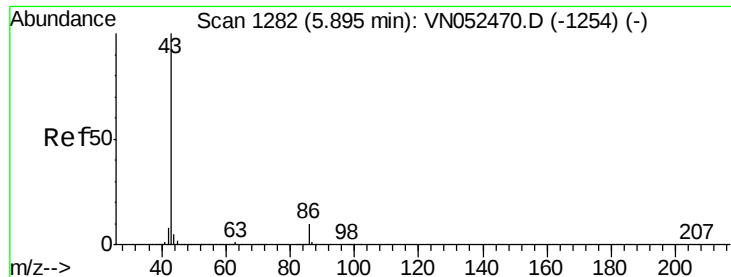
#22
Diisopropyl ether
Concen: 19.337 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 45 Resp: 714163
Ion Ratio Lower Upper
45 100
43 58.0 46.1 69.1
87 26.1 21.3 31.9
59 11.4 9.5 14.3



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





#23

Vinyl Acetate

Concen: 93.281 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

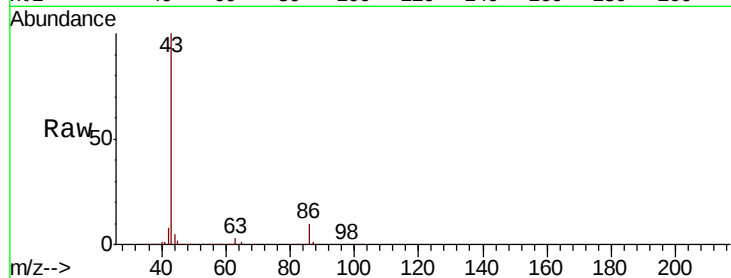
VN1127WBS01

Tot Ion: 43 Resp: 2145839

Ion Ratio Lower Upper

43 100

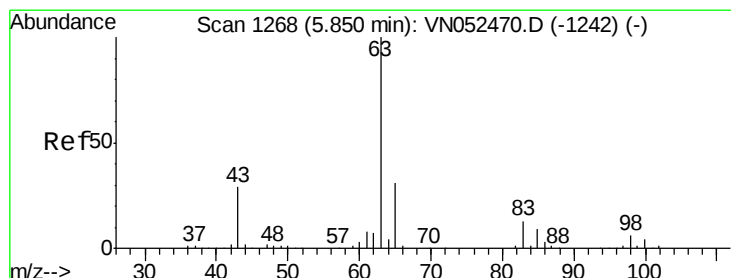
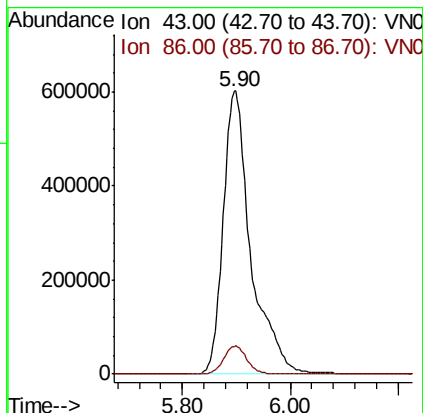
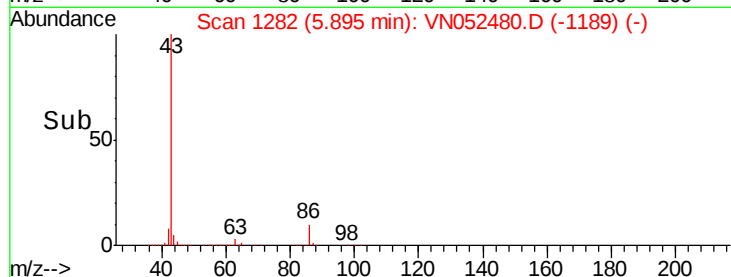
86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

Time-->



#24

1,1-Dichloroethane

Concen: 19.372 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

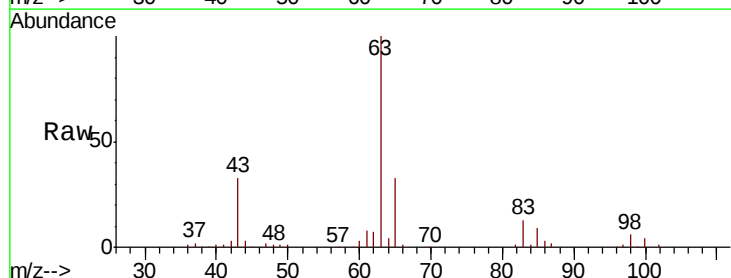
Tgt Ion: 63 Resp: 408507

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 2.0 5.8

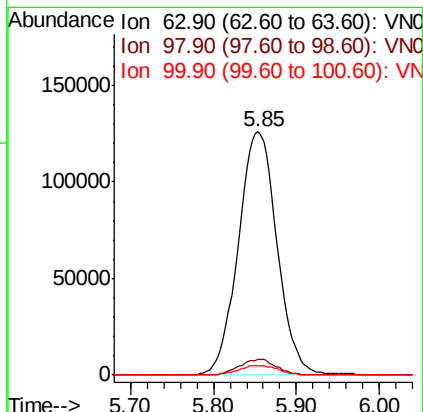
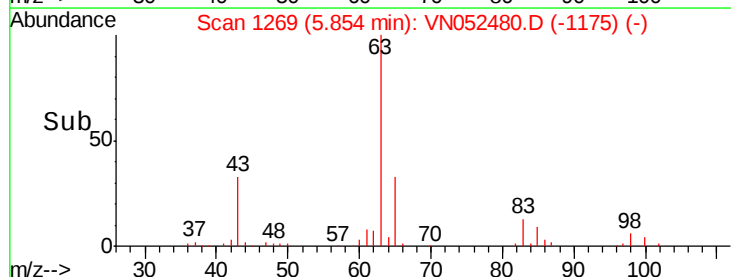


Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

Time-->

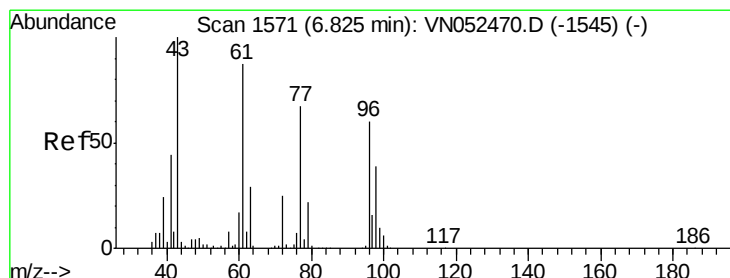
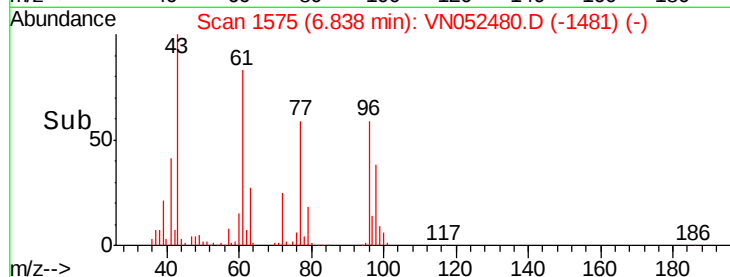
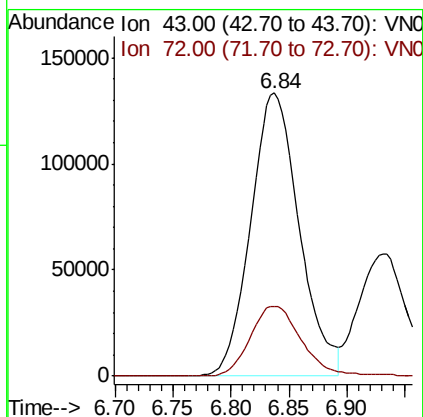
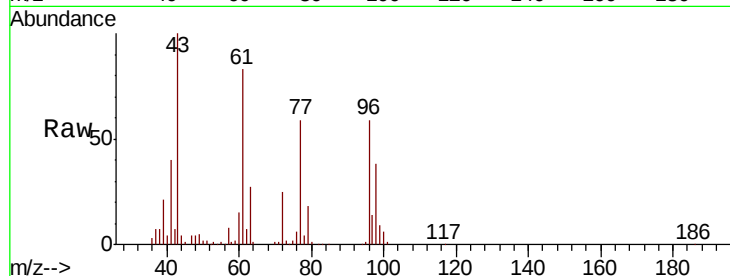




#25
2-Butanone
Concen: 87.252 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

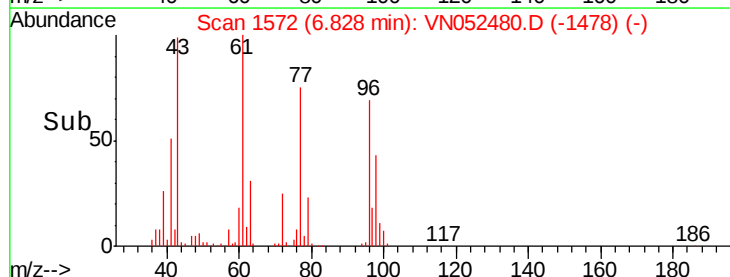
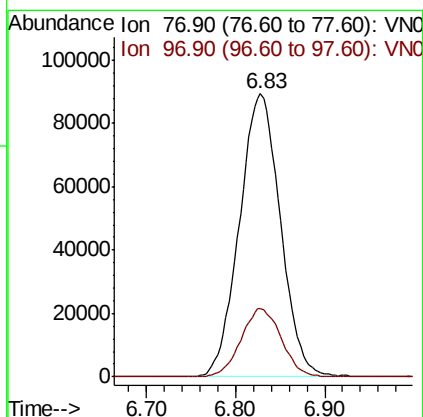
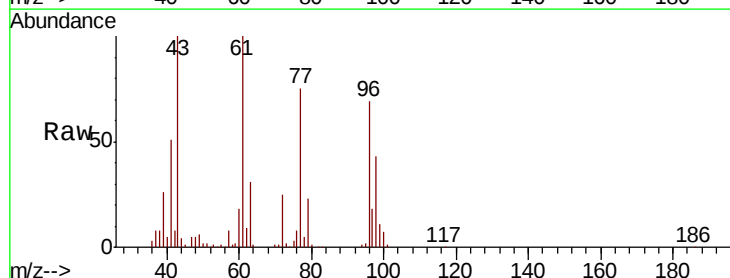
Instrument :
MSVOA_N
ClientSampled :
VN1127WBS01

Tot Ion: 43 Resp: 386803
Ion Ratio Lower Upper
43 100
72 24.8 20.1 30.1



#26
2,2-Dichloropropane
Concen: 19.526 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 77 Resp: 285008
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.077 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

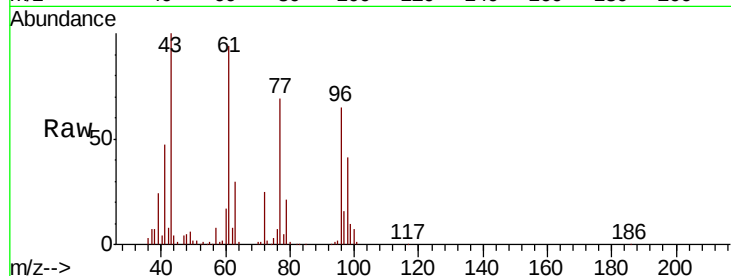
Tot Ion: 96 Resp: 242124

Ion Ratio Lower Upper

96 100

61 145.8 0.0 291.0

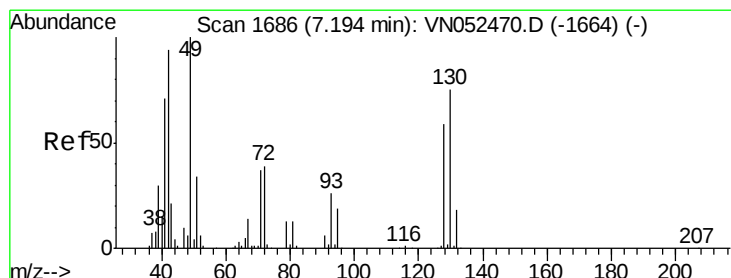
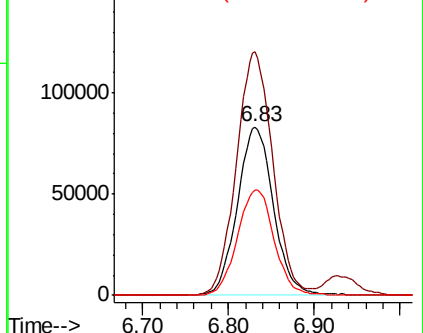
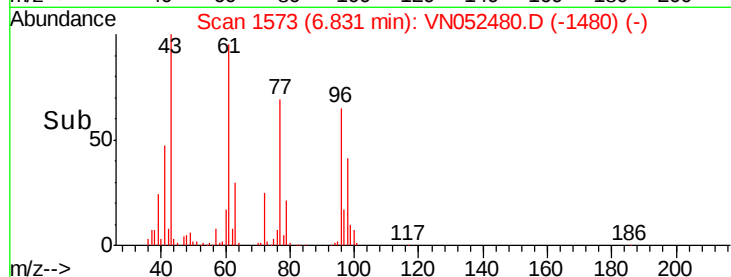
98 64.0 0.0 130.0



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: 19.238 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

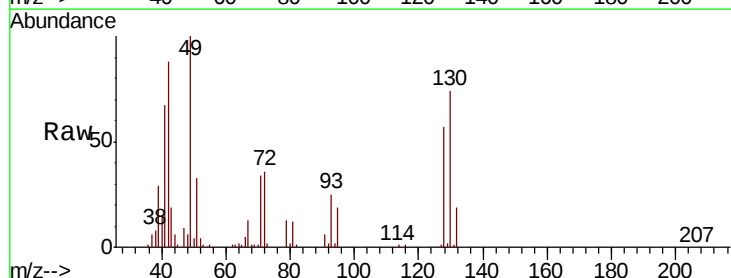
Tgt Ion: 49 Resp: 185291

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

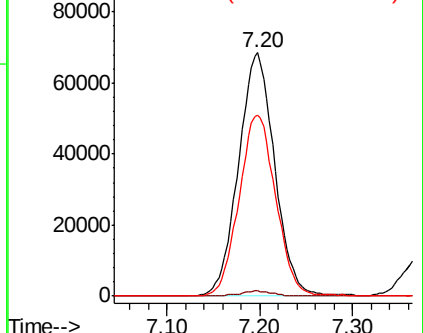
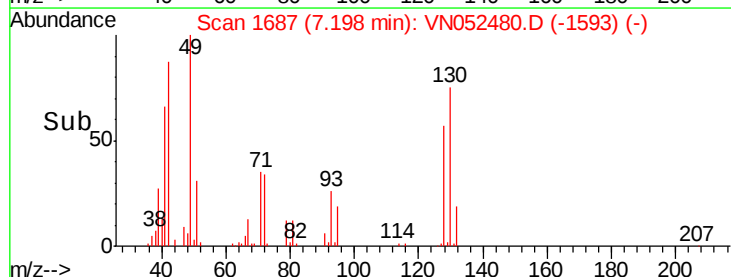
130 75.7 60.2 90.2



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: 85.551 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampled :

VN1127WBS01

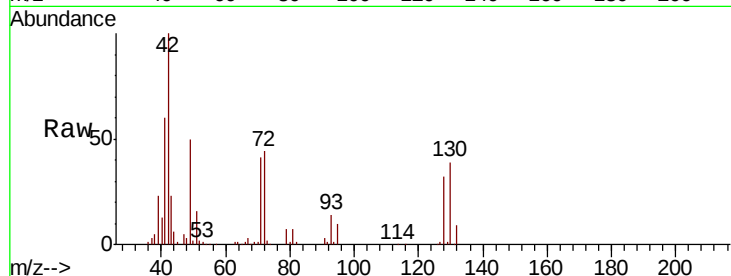
Tot Ion: 42 Resp: 244622

Ion Ratio Lower Upper

42 100

72 43.0 33.3 49.9

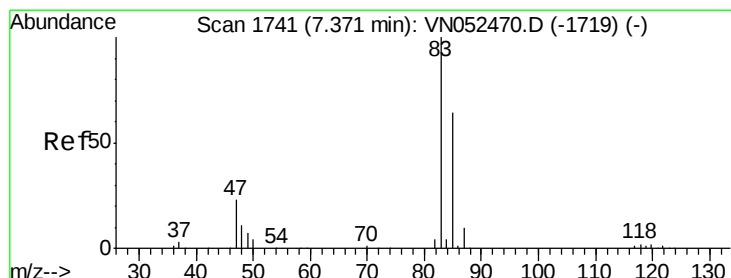
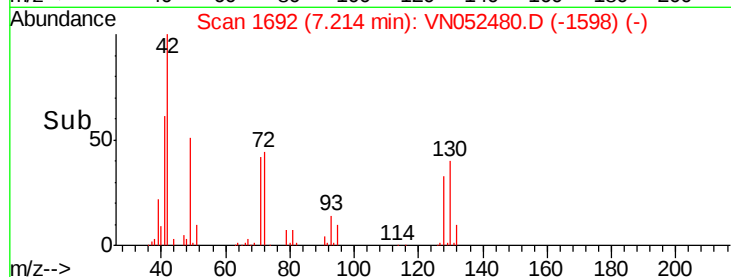
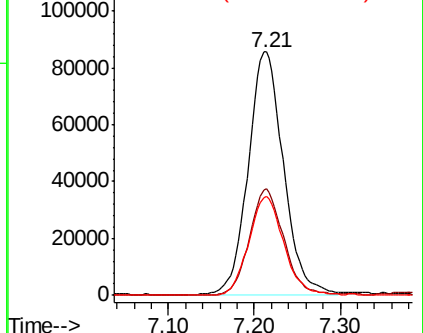
71 40.3 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.748 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052480.D

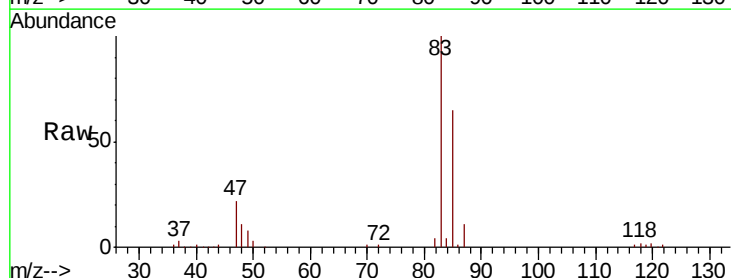
Acq: 27 Nov 2018 15:53

Tgt Ion: 83 Resp: 394439

Ion Ratio Lower Upper

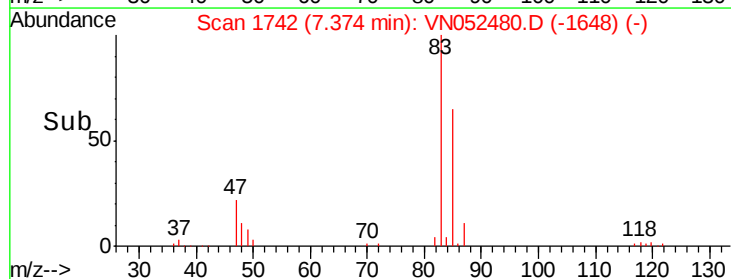
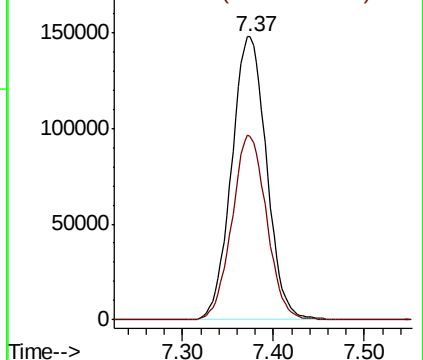
83 100

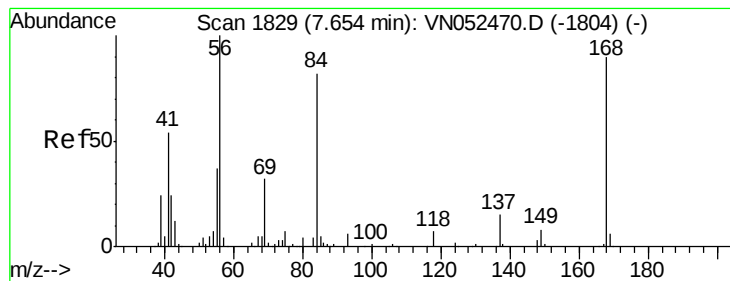
85 64.7 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.293 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

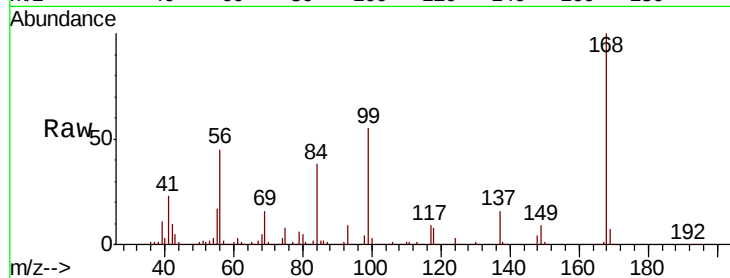
Tot Ion: 56 Resp: 398356

Ion Ratio Lower Upper

56 100

69 36.5 25.8 38.6

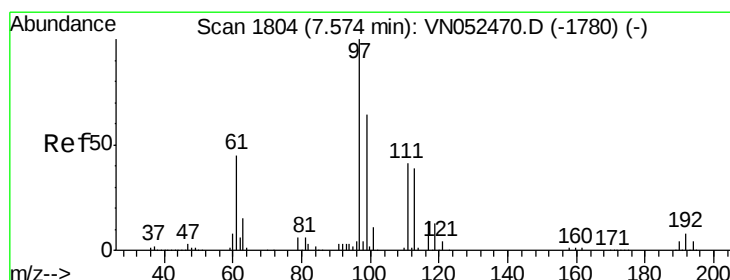
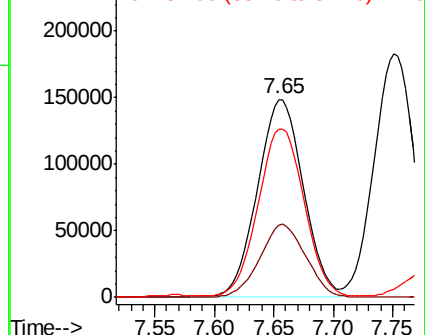
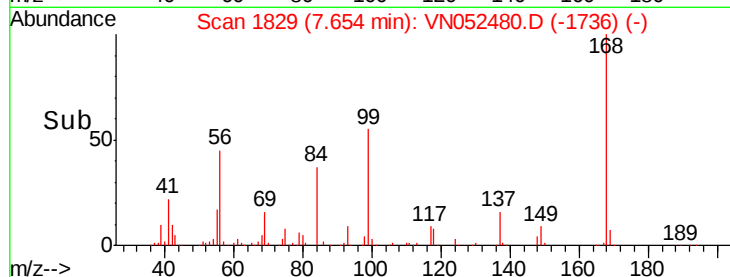
84 83.8 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.418 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

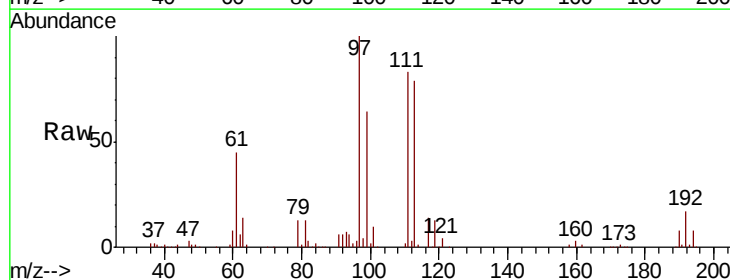
Tgt Ion: 97 Resp: 323694

Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

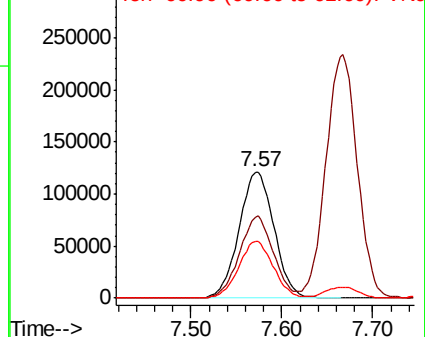
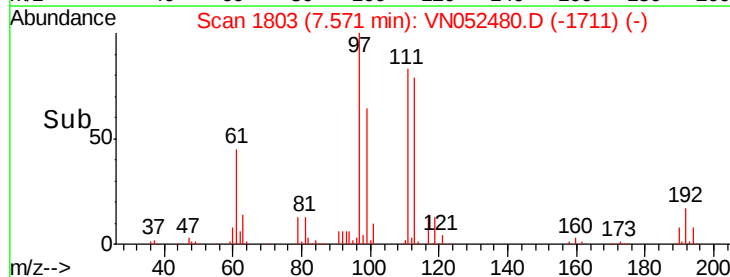
61 44.6 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.418 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

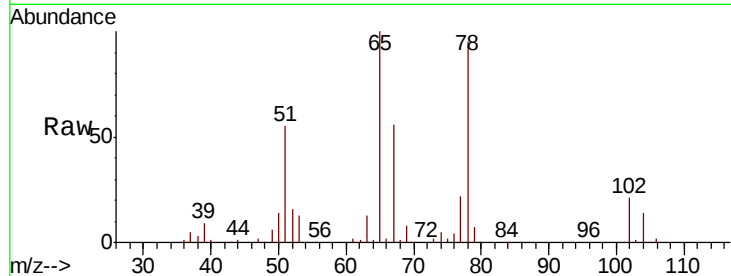
VN1127WBS01

Tot Ion: 65 Resp: 594030

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN052470.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052470.D (-1926) (-)

8.03

250000

200000

150000

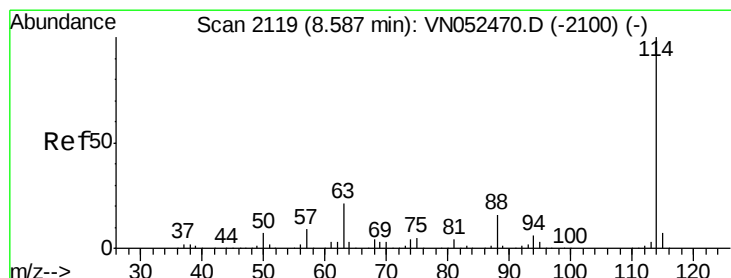
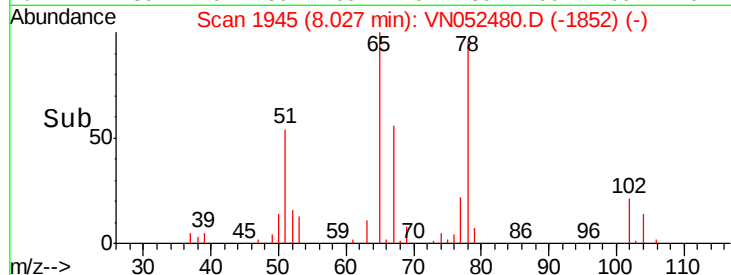
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

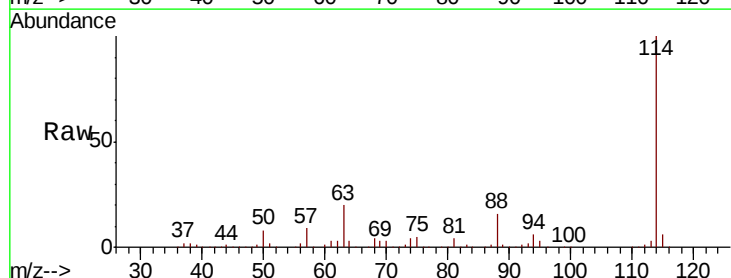
Tgt Ion: 114 Resp: 1715414

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.8

88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN052470.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN052470.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN052470.D (-2100) (-)

8.59

1000000

800000

600000

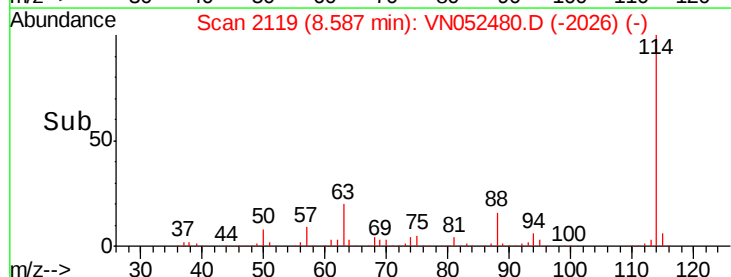
400000

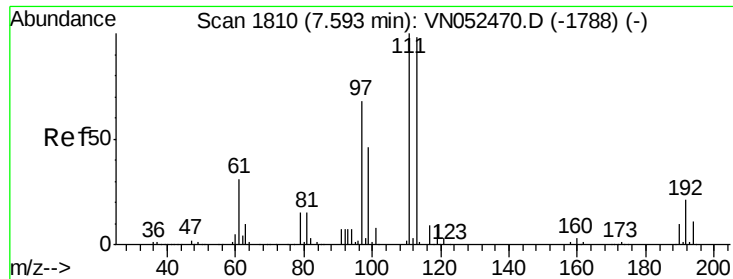
200000

0

Time-->

8.50 8.60 8.70

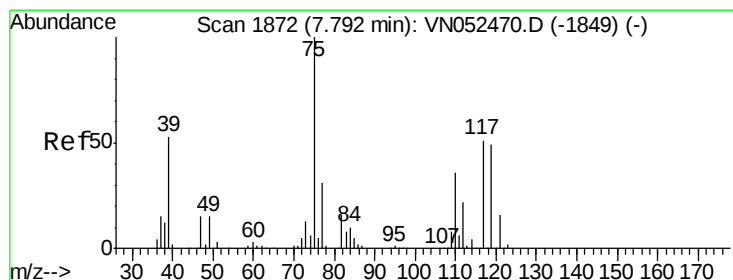
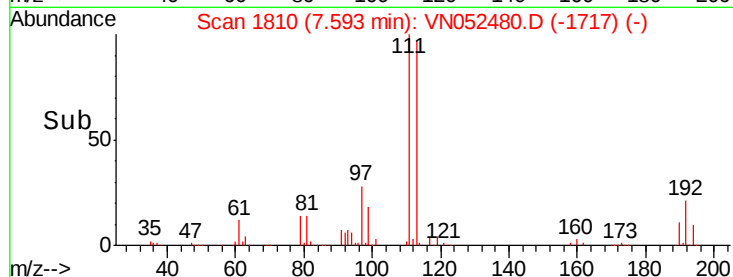
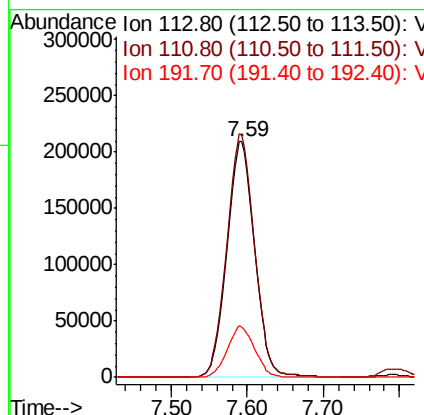
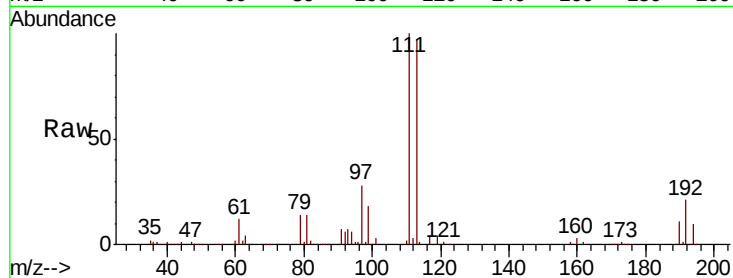




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

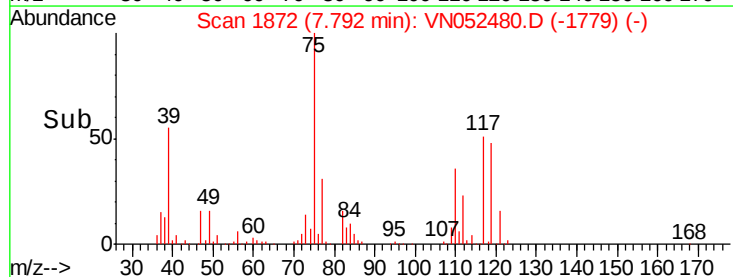
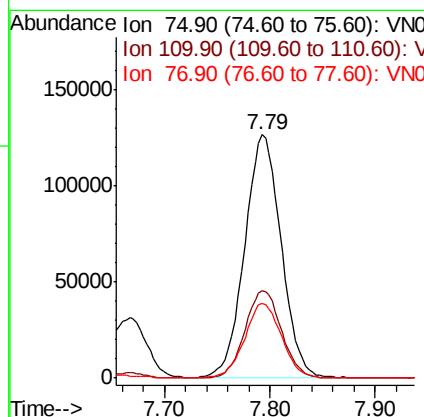
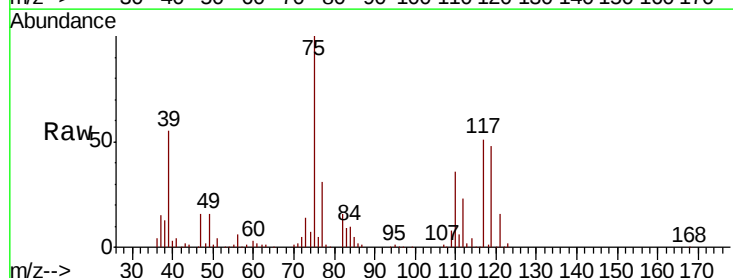
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

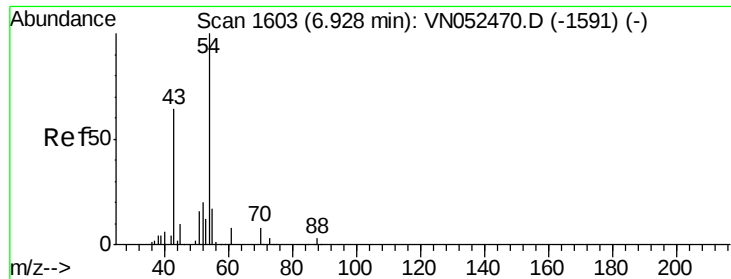
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	21.5	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 18.745 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.5	52.6
77	31.4	24.5	36.7

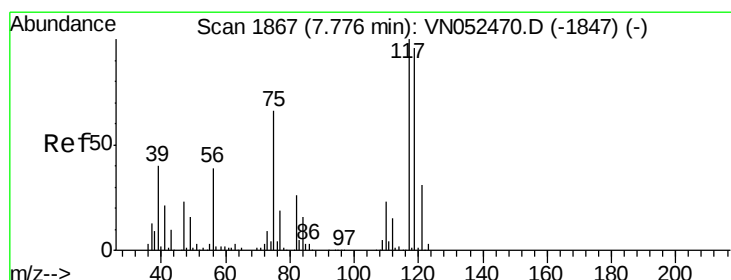
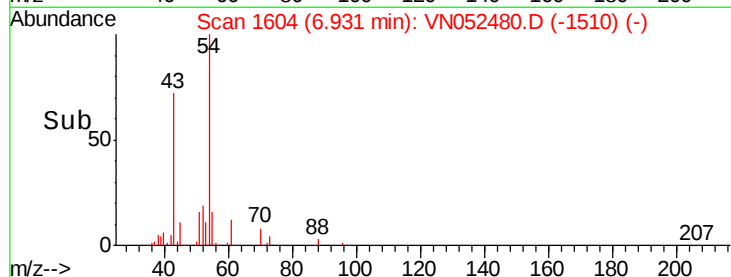
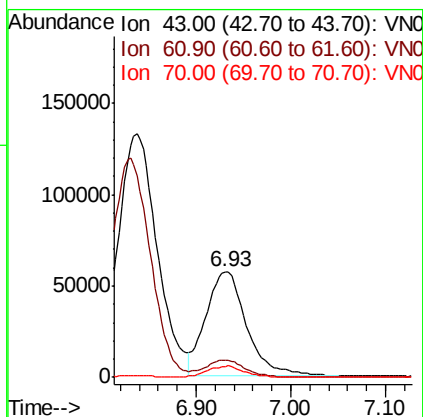
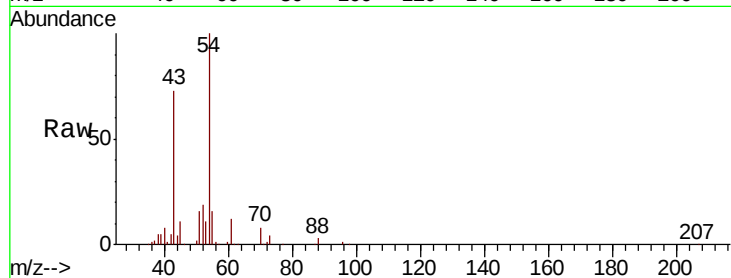




#37
Ethyl Acetate
Concen: 17.303 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

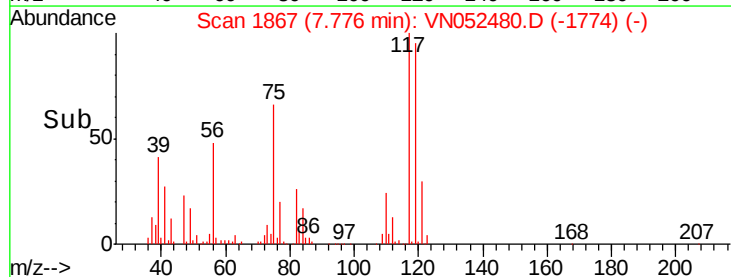
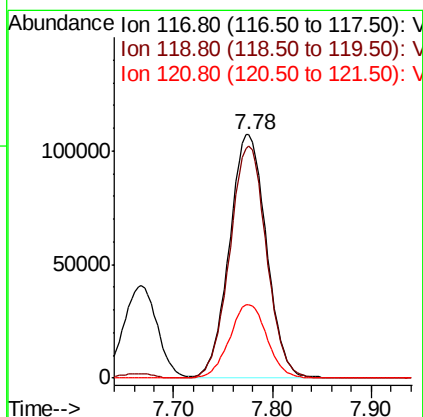
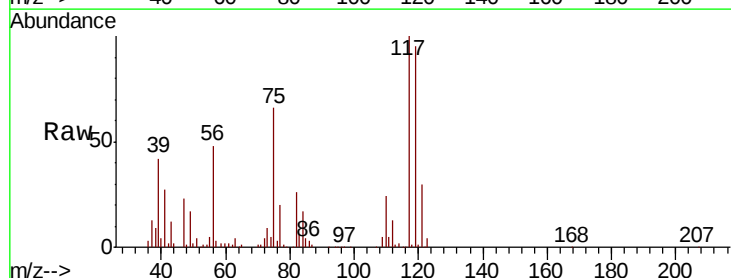
Instrument :
MSVOA_N
ClientSampled :
VN1127WBS01

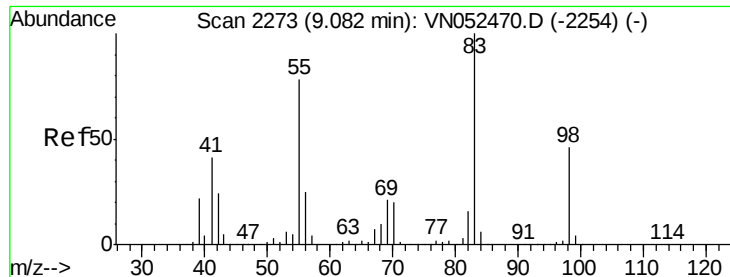
Tot Ion: 43 Resp: 171065
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.010 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 117 Resp: 278766
Ion Ratio Lower Upper
117 100
119 95.7 76.8 115.2
121 30.5 24.9 37.3

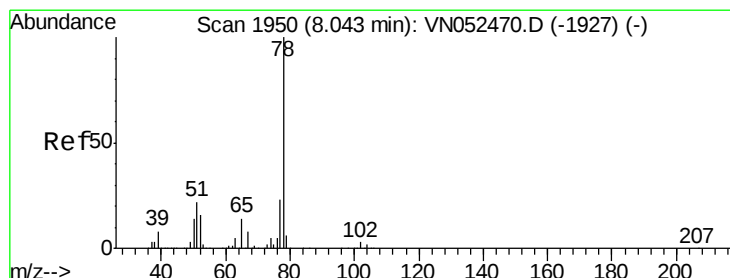
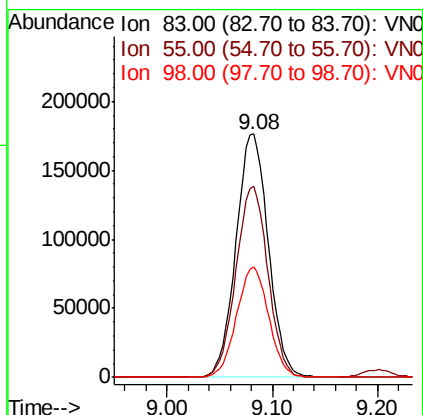
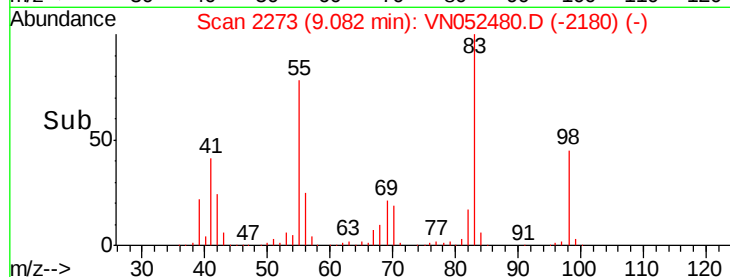
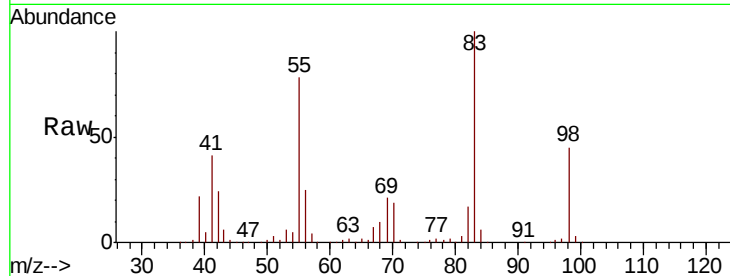




#39
Methvlcvclohexane
Concen: 19.048 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

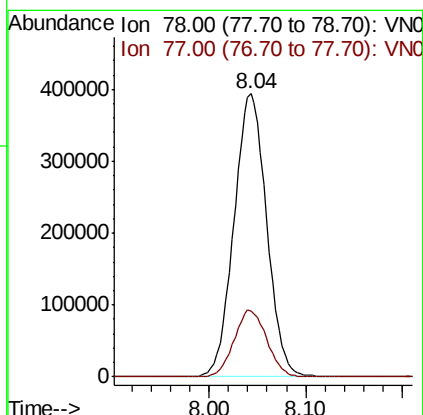
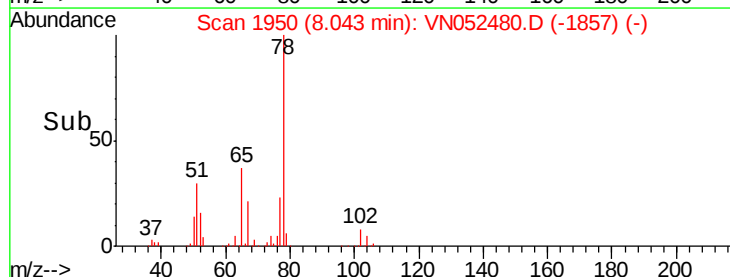
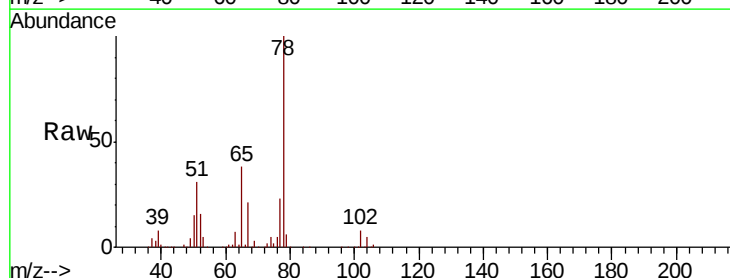
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

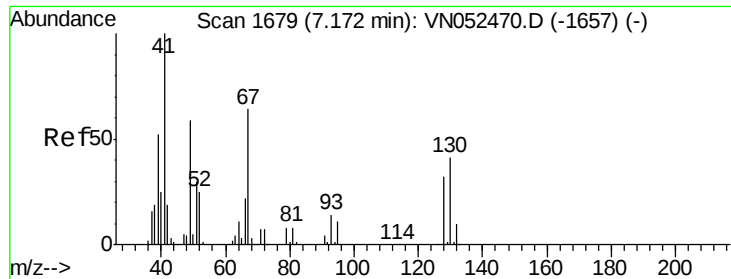
Tot Ion: 83 Resp: 375038
Ion Ratio Lower Upper
83 100
55 78.5 62.2 93.2
98 45.3 36.4 54.6



#40
Benzene
Concen: 19.137 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 78 Resp: 923854
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

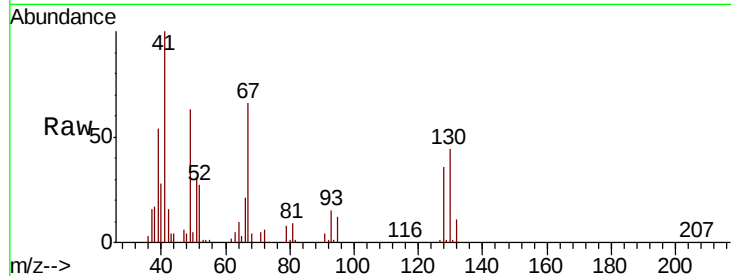




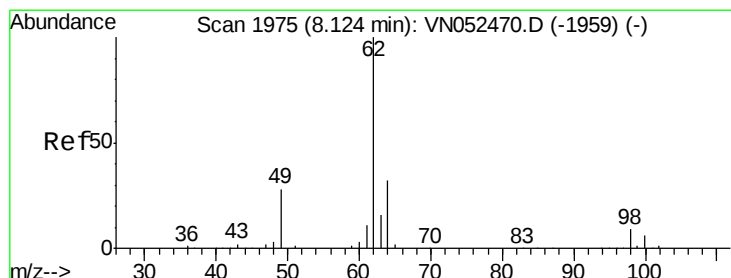
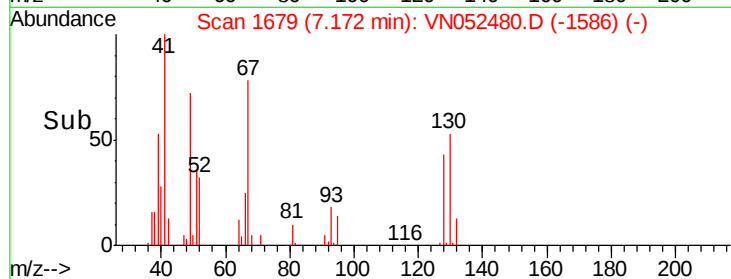
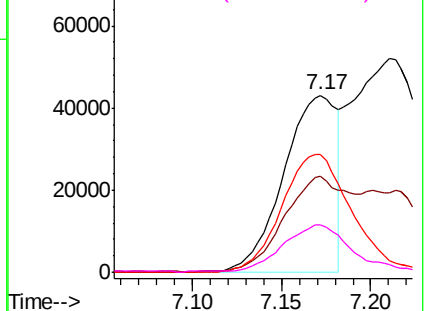
#41
Methacrylonitrile
Concen: 16.538 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tot Ion:	41	Resp:	89387
Ion	Ratio	Lower	Upper
41	100		
39	65.3	50.9	76.3
67	87.3	63.6	95.4
52	35.5	24.4	36.6

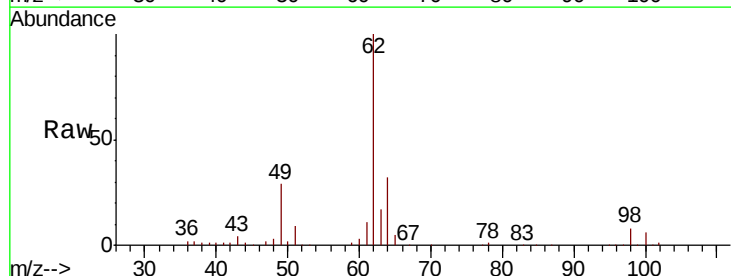


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

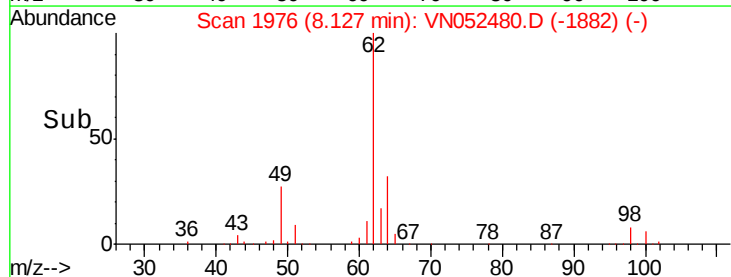
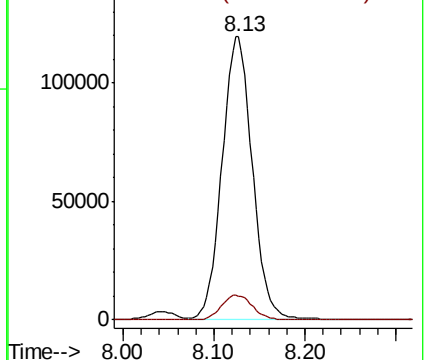


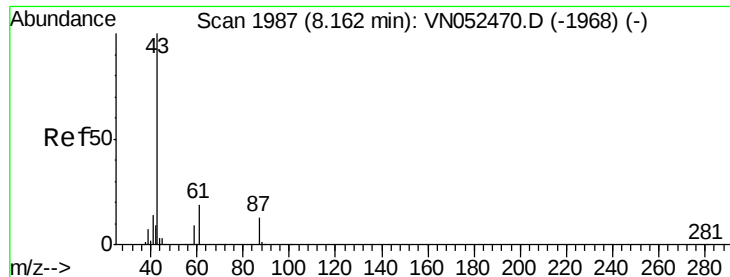
#42
1,2-Dichloroethane
Concen: 18.810 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:	62	Resp:	274963
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 17.889 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

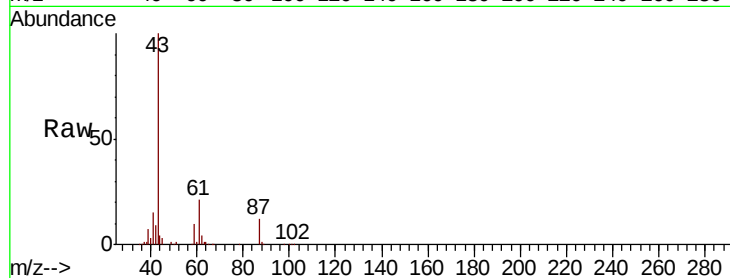
Tot Ion: 43 Resp: 299298

Ion Ratio Lower Upper

43 100

61 30.2 24.1 36.1

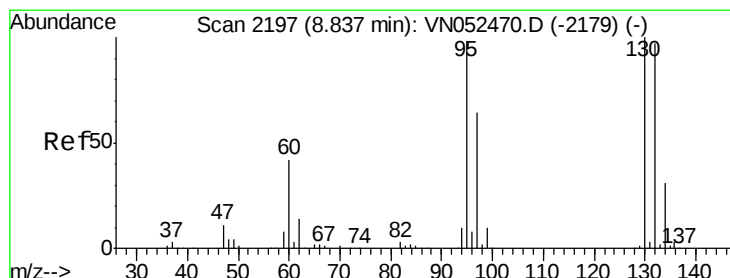
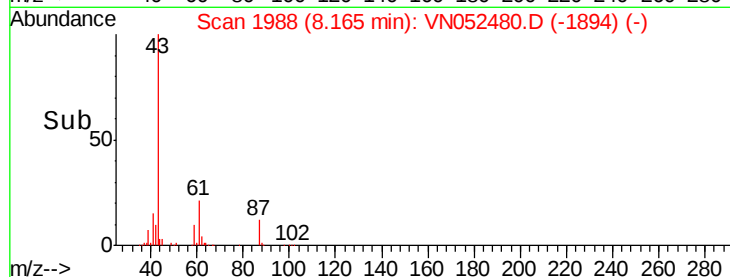
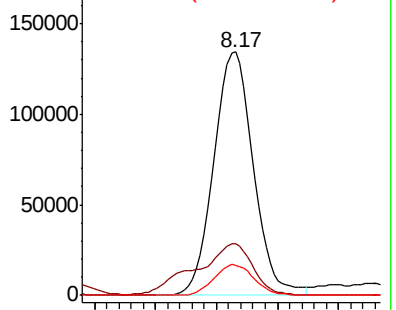
87 12.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



#44

Trichloroethene

Concen: 19.197 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052480.D

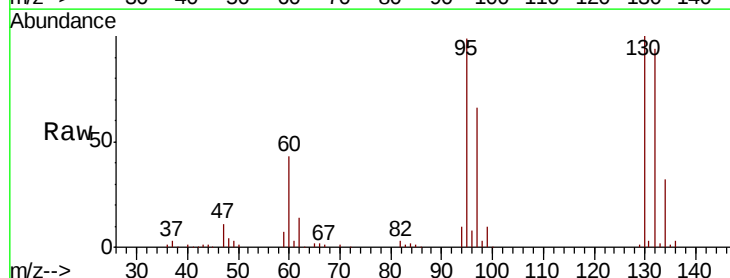
Acq: 27 Nov 2018 15:53

Tgt Ion:130 Resp: 237386

Ion Ratio Lower Upper

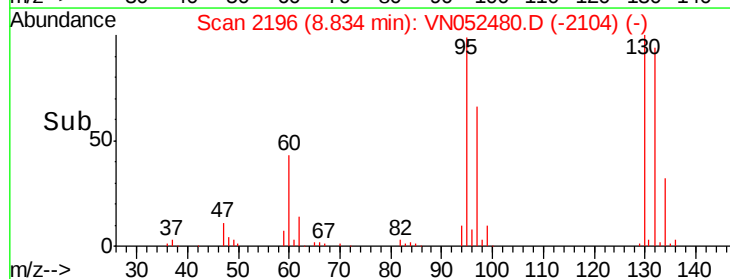
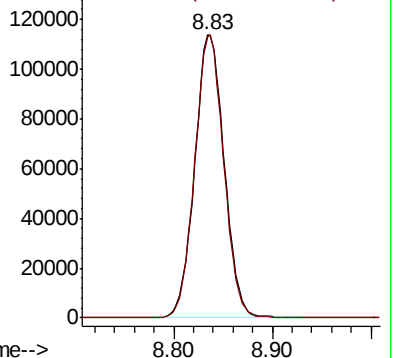
130 100

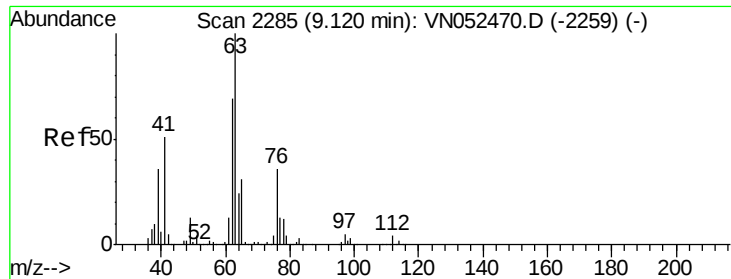
95 99.1 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

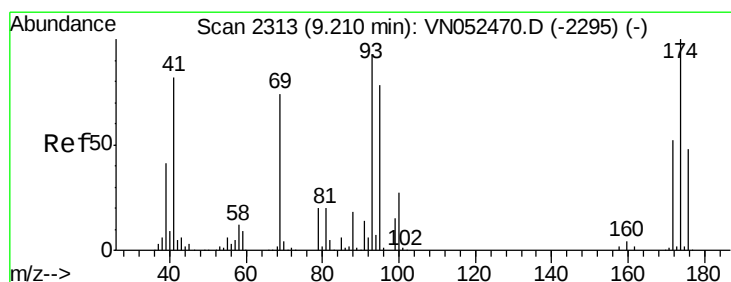
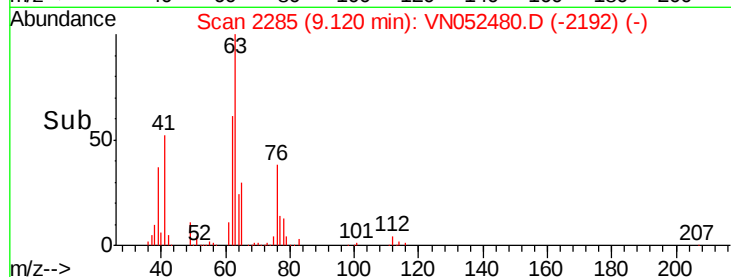
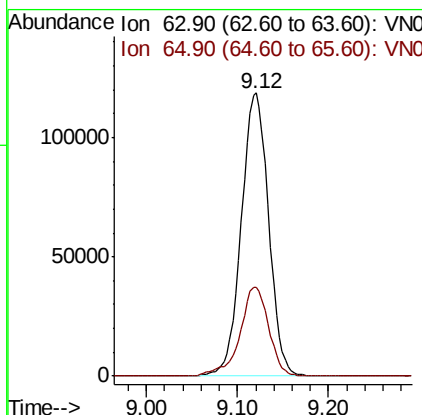
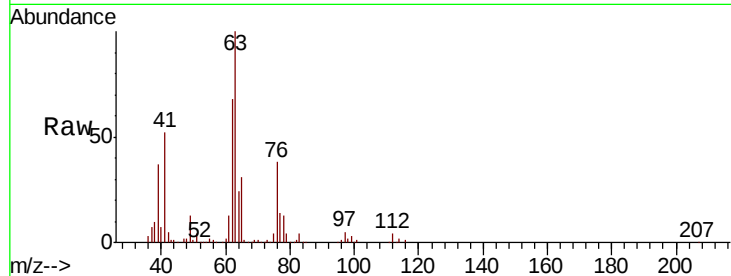




#45
 1,2-Dichloropropane
 Concen: 19.278 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

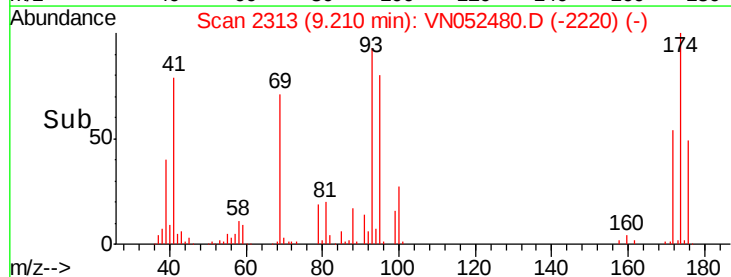
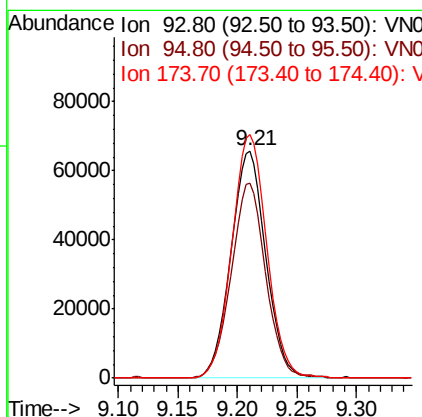
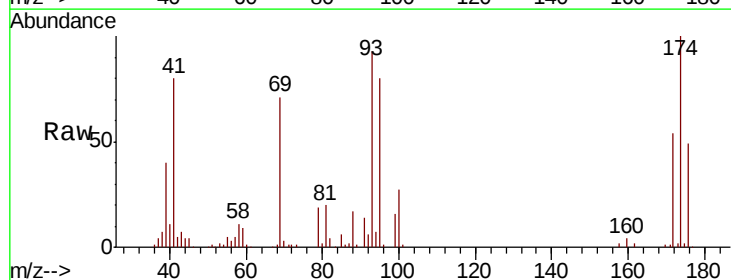
Instrument :
 MSVOA_N
 ClientSampled :
 VN1127WBS01

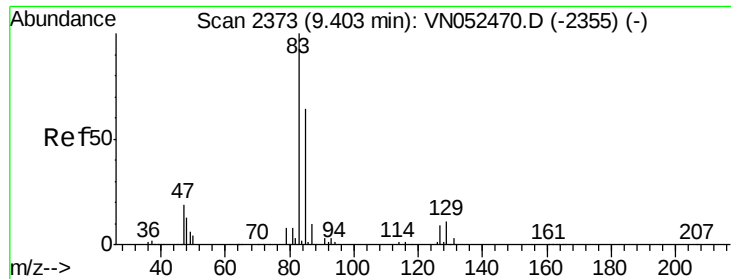
Tot Ion: 63 Resp: 247435
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 18.862 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 93 Resp: 134020
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.1 100.7
 174 106.9 85.8 128.8





#47

Bromodichloromethane

Concen: 18.835 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

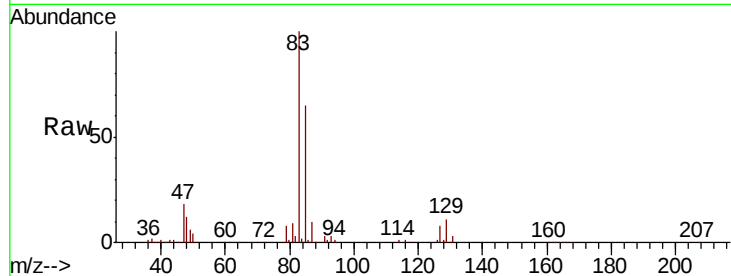
Tot Ion: 83 Resp: 290959

Ion Ratio Lower Upper

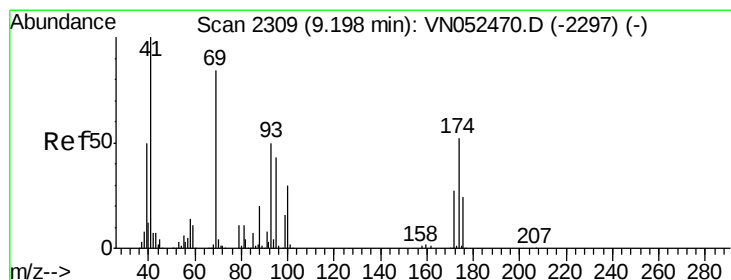
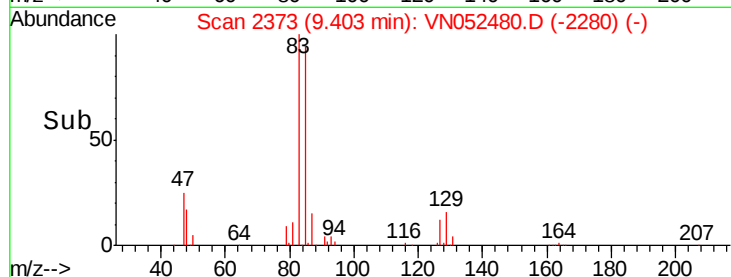
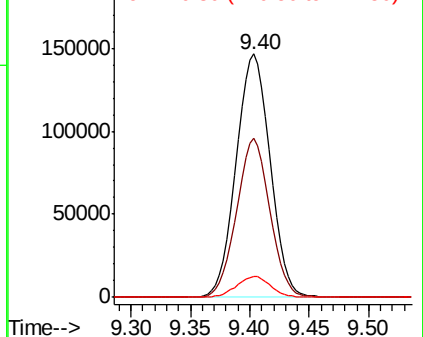
83 100

85 65.1 51.3 76.9

127 8.5 6.9 10.3



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



#48

Methyl methacrylate

Concen: 17.695 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

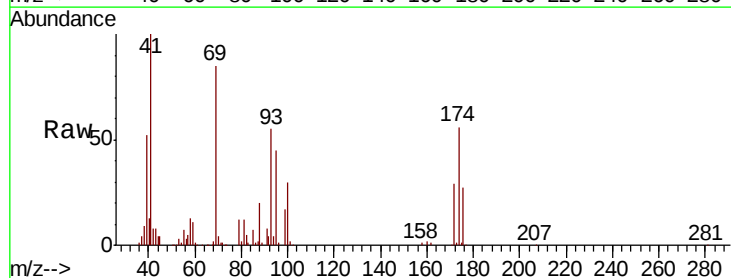
Tgt Ion: 41 Resp: 154366

Ion Ratio Lower Upper

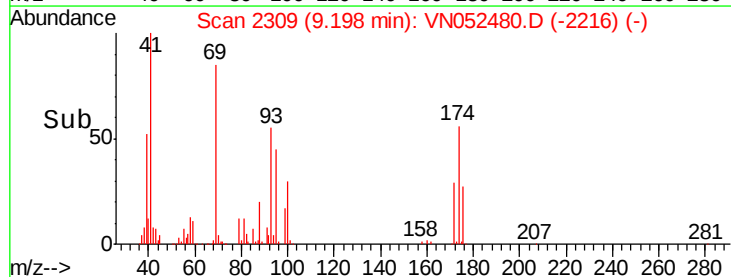
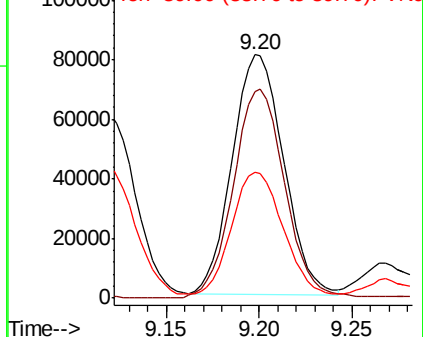
41 100

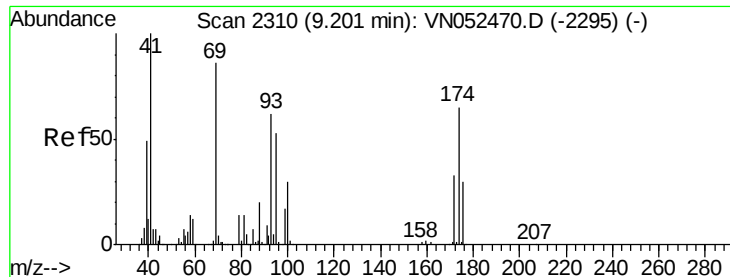
69 88.0 70.0 105.0

39 53.8 42.6 64.0



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





#49

1,4-Dioxane

Concen: 367.848 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

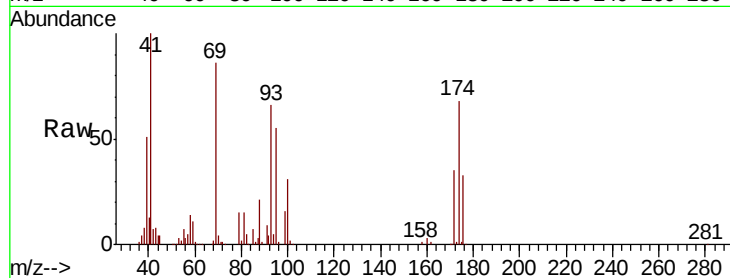
Tot Ion: 88 Resp: 33304

Ion Ratio Lower Upper

88 100

43 33.6 26.4 39.6

58 70.0 55.4 83.0



Abundance Ion 88.00 (87.70 to 88.70): VN052480.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052480.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052480.D (-2295) (-)

150000

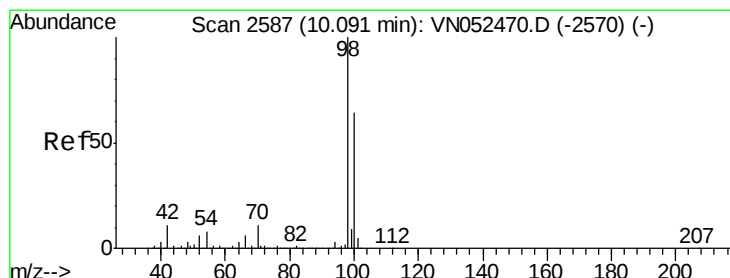
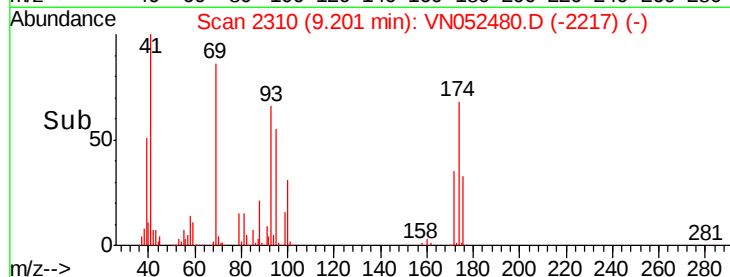
100000

50000

0

9.15 9.20 9.25

Time-->



#50

Toluene-d8

Concen: 367.848 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052480.D

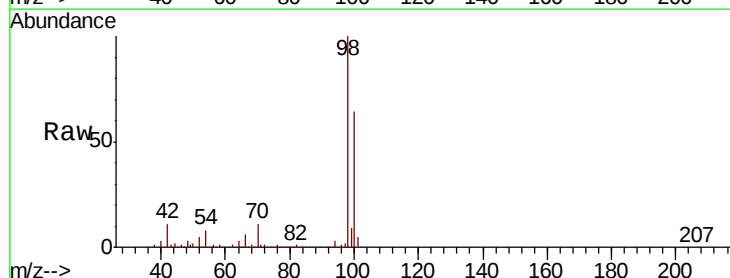
Acq: 27 Nov 2018 15:53

Tgt Ion: 98 Resp: 2068788

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052480.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052480.D (-2494) (-)

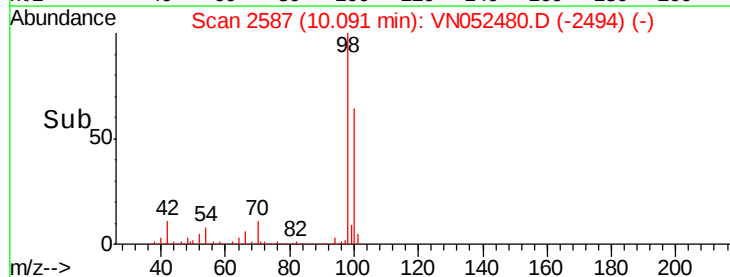
1000000

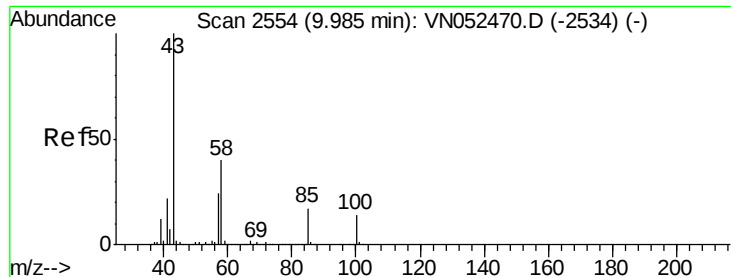
500000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 88.330 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

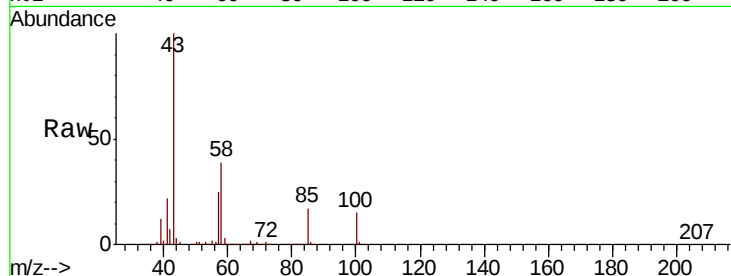
VN1127WBS01

Tot Ion: 43 Resp: 829148

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.98

400000

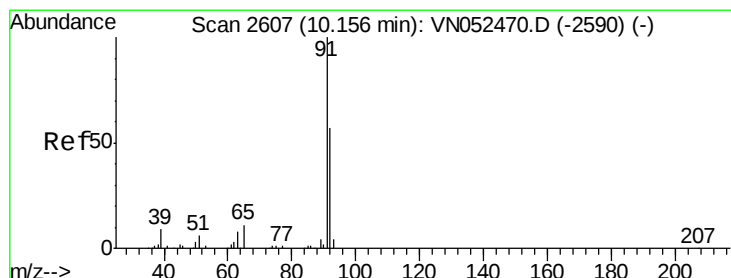
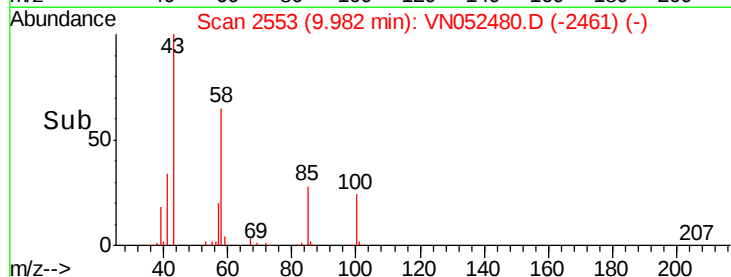
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.388 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052480.D

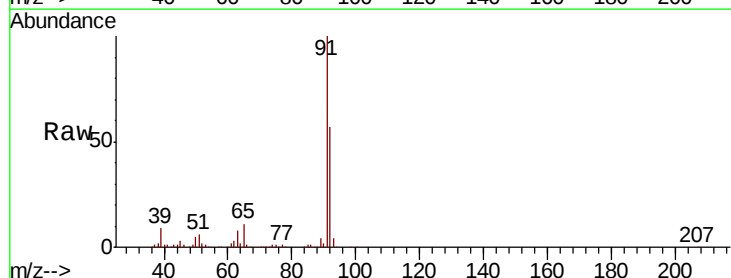
Acq: 27 Nov 2018 15:53

Tgt Ion: 92 Resp: 556096

Ion Ratio Lower Upper

92 100

91 176.2 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

10.16

600000

500000

400000

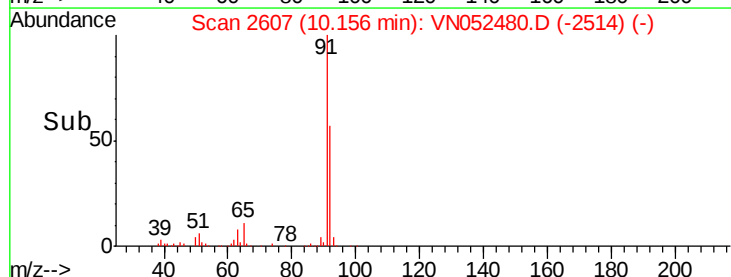
300000

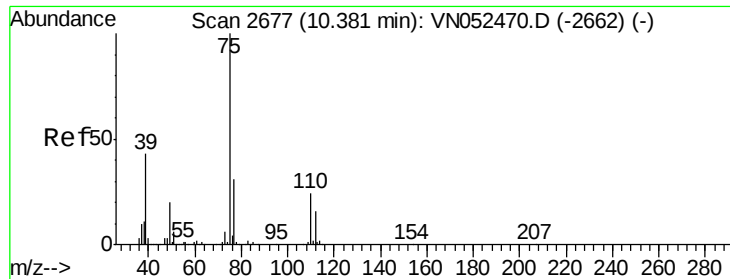
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.614 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

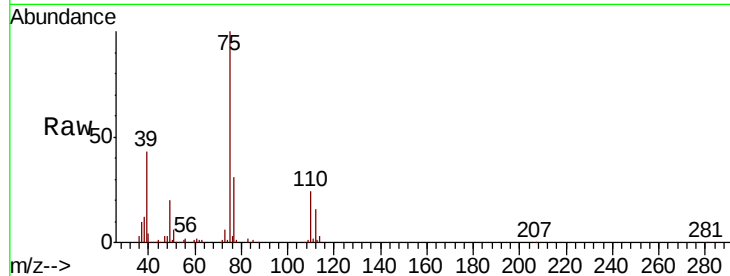
VN1127WBS01

Tot Ion: 75 Resp: 276624

Ion Ratio Lower Upper

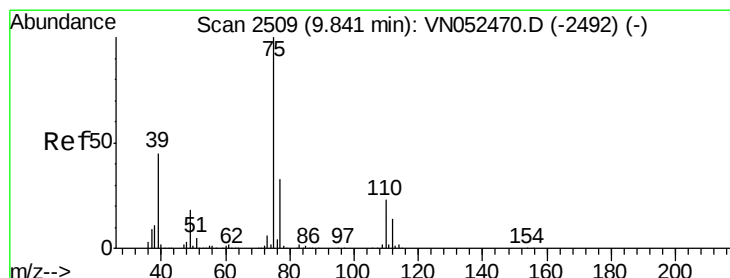
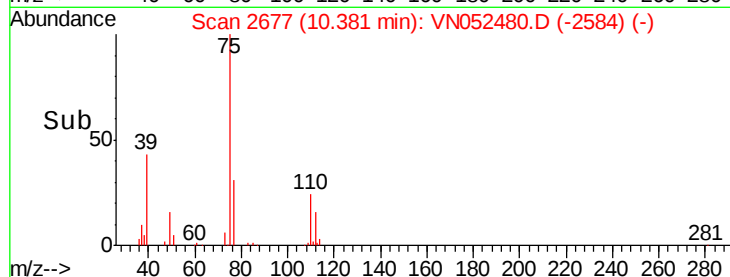
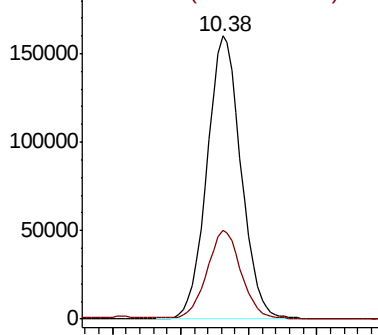
75 100

77 31.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.239 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

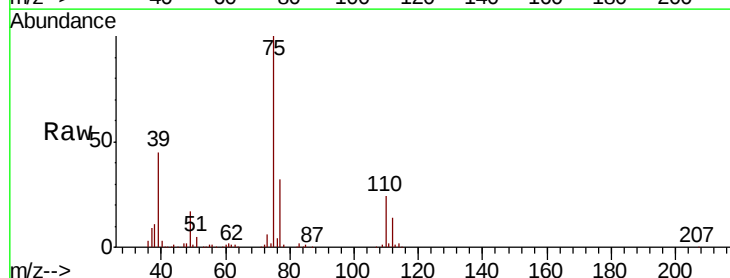
Tgt Ion: 75 Resp: 342638

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

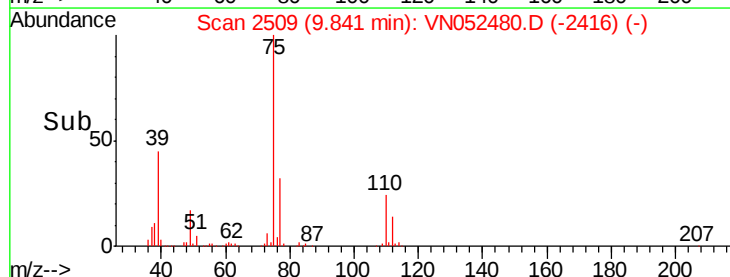
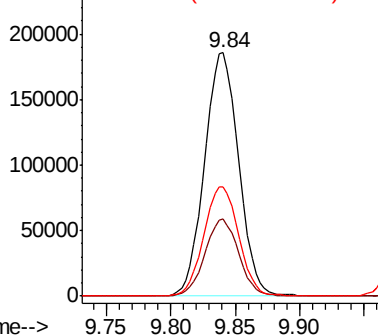
39 44.6 36.0 54.0

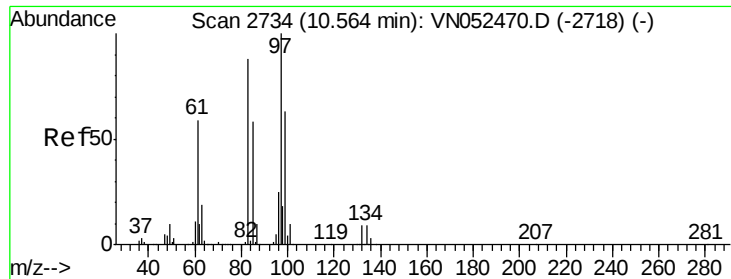


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

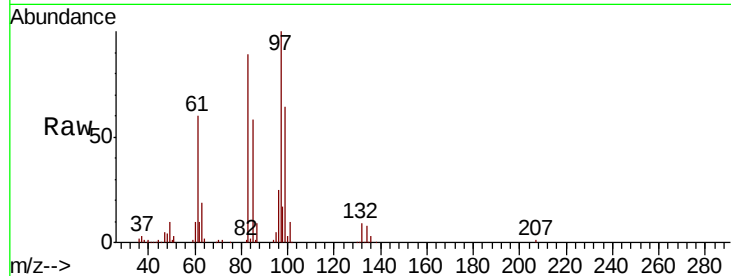




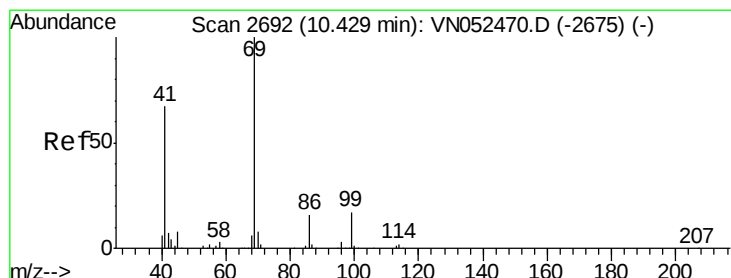
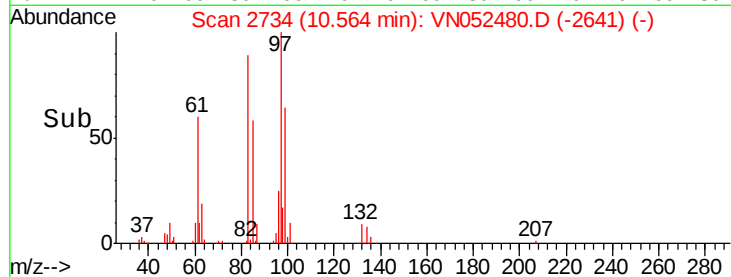
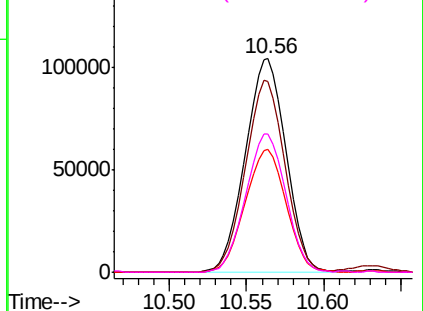
#55
 1,1,2-Trichloroethane
 Concen: 18.941 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tot Ion:	97	Resp:	191107
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.7	106.1
85	57.6	46.1	69.1
99	64.5	50.8	76.2

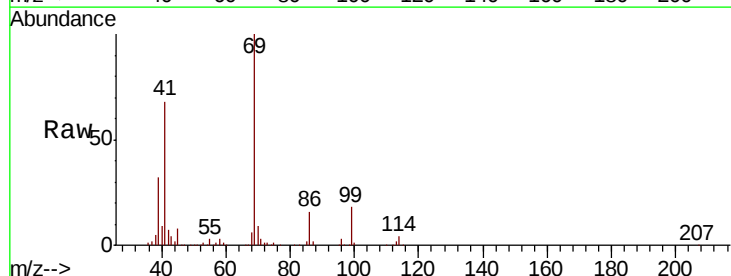


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

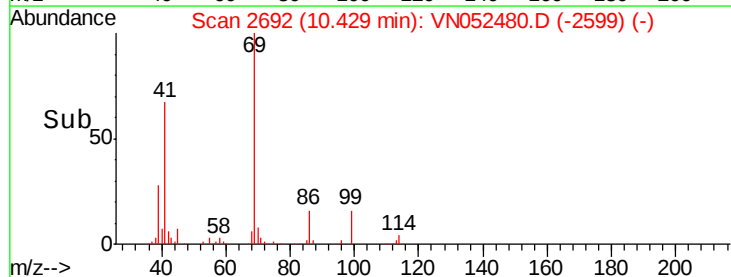
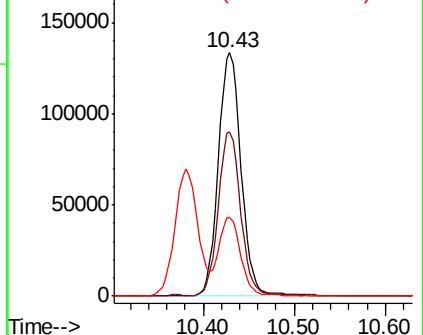


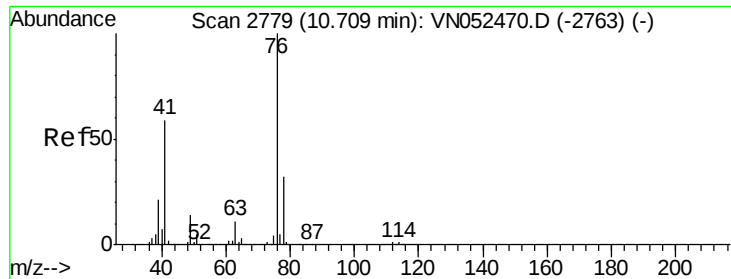
#56
 Ethyl methacrylate
 Concen: 18.400 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion:	69	Resp:	232581
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.6	79.0
39	31.1	25.9	38.9



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

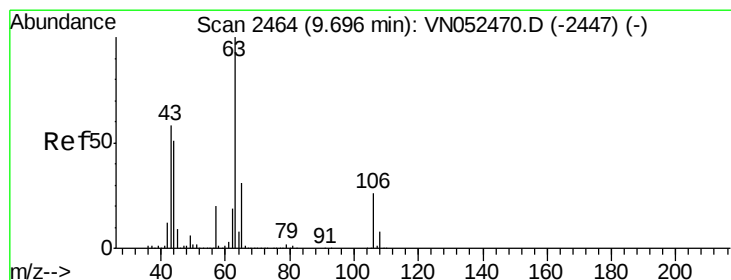
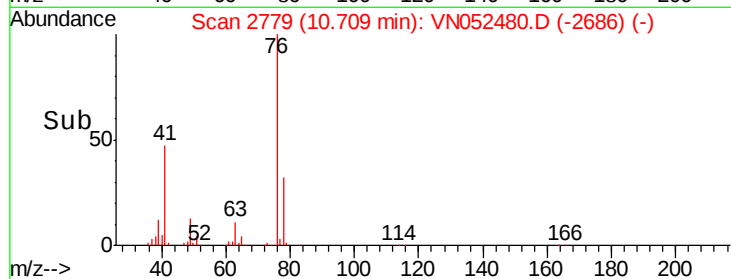
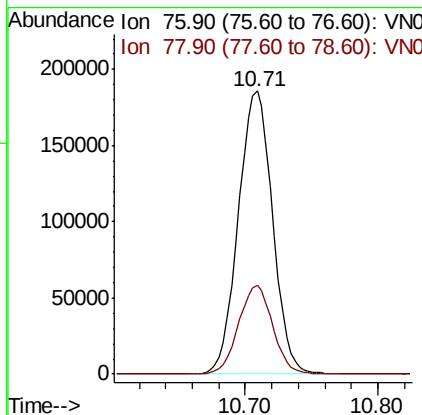
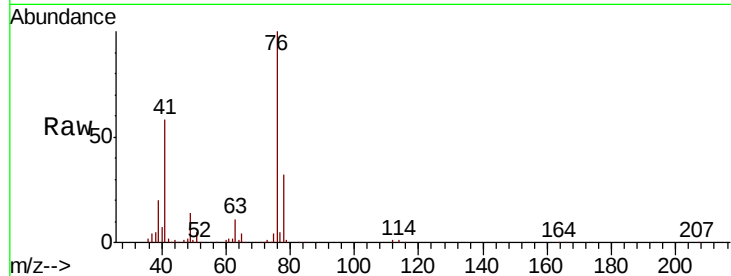




#57
 1,3-Dichloropropane
 Concen: 18.718 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

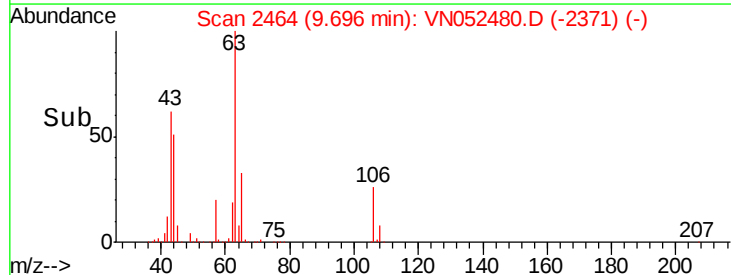
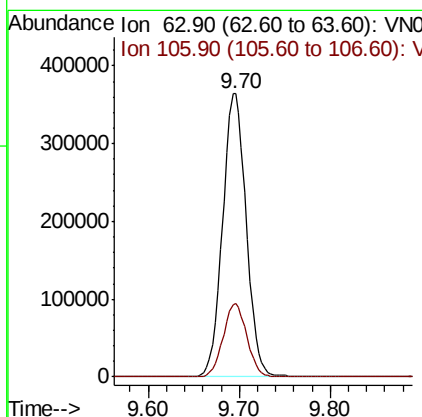
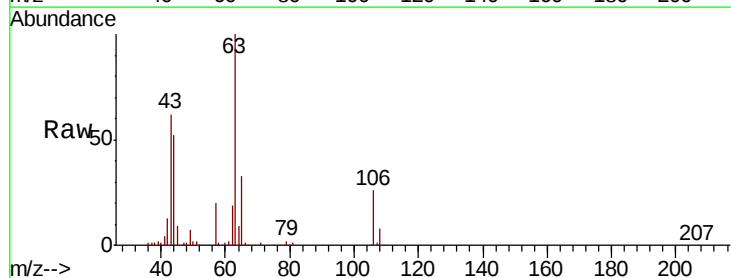
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

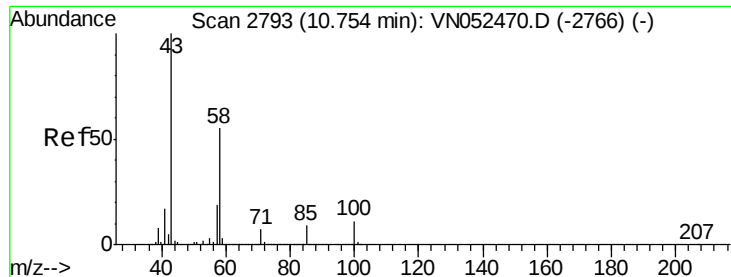
Tot Ion: 76 Resp: 333467
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.806 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 63 Resp: 657485
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 30.8

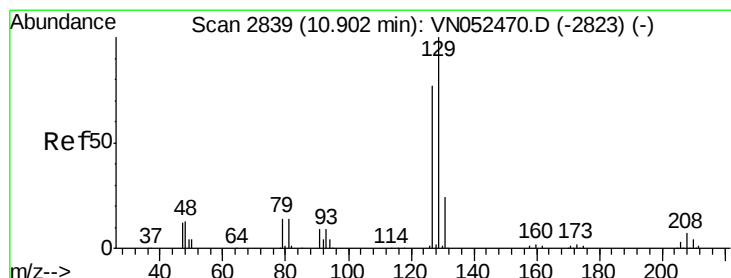
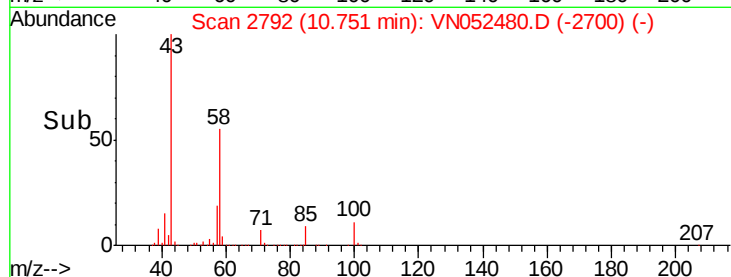
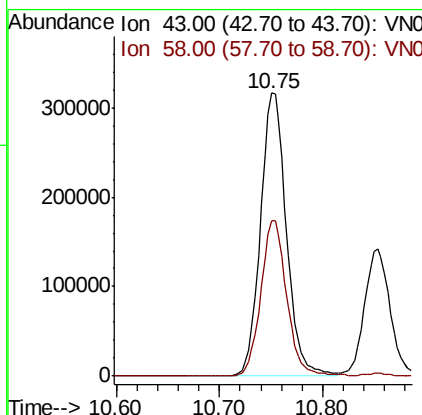
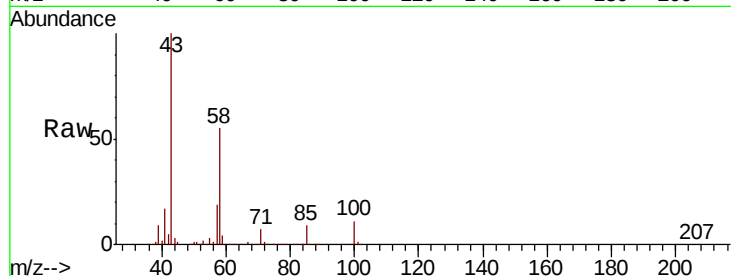




#59
2-Hexanone
Concen: 87.098 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

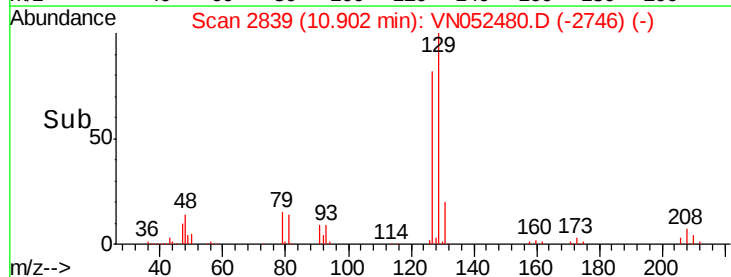
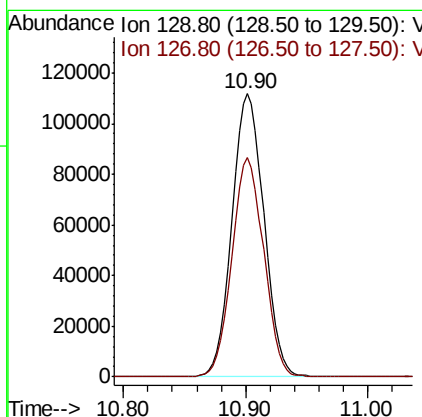
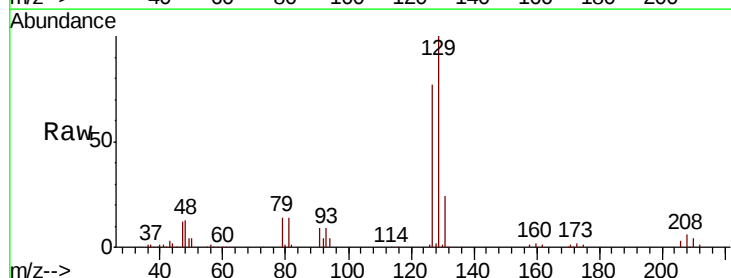
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

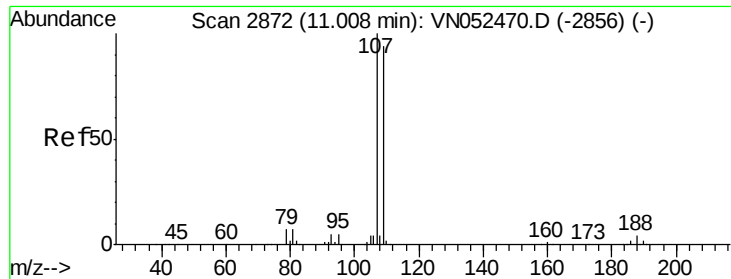
Tot Ion: 43 Resp: 548724
Ion Ratio Lower Upper
43 100
58 55.0 27.4 82.0



#60
Dibromochloromethane
Concen: 18.521 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 129 Resp: 202955
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

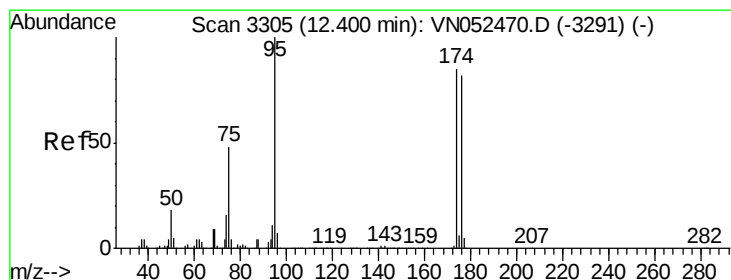
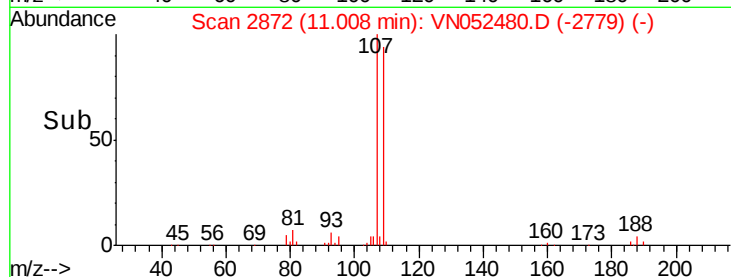
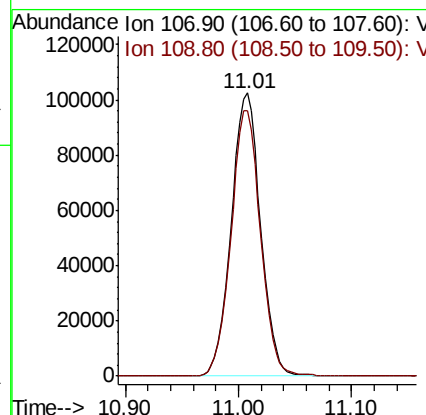
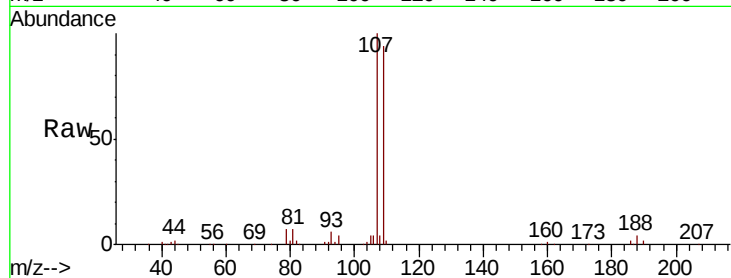




#61
 1,2-Dibromoethane
 Concen: 18.410 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

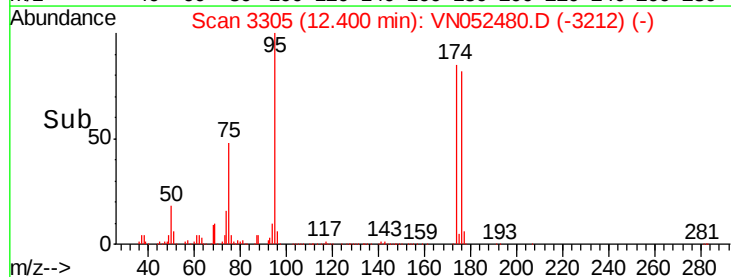
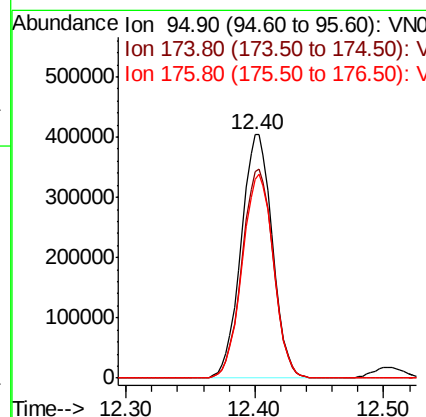
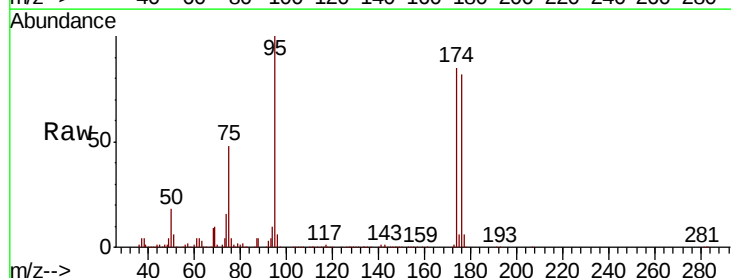
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

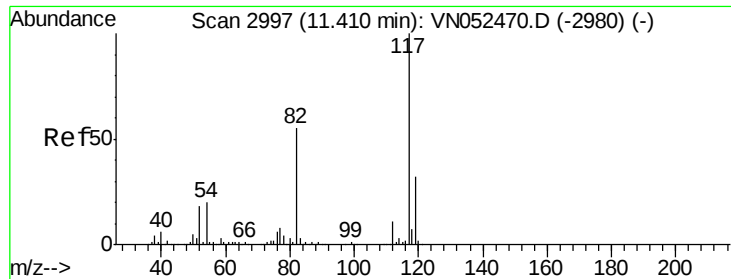
Tot Ion:107 Resp: 184483
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 18.410 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion: 95 Resp: 681116
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 173.0
 176 84.0 0.0 166.2

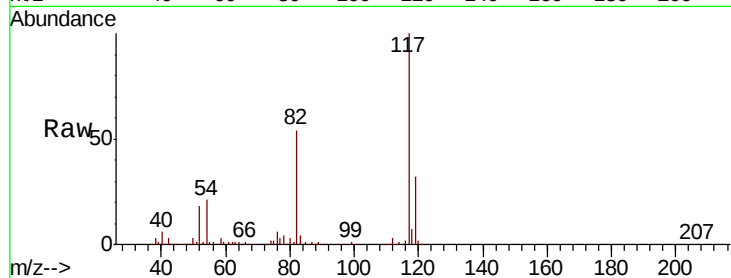




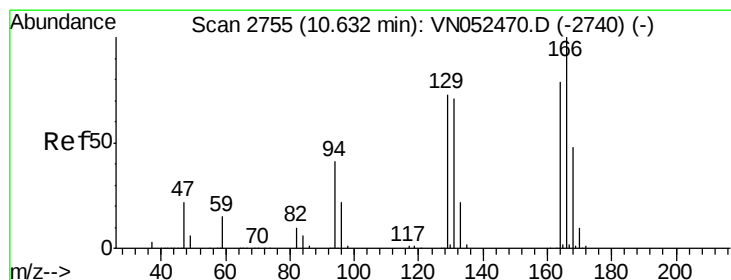
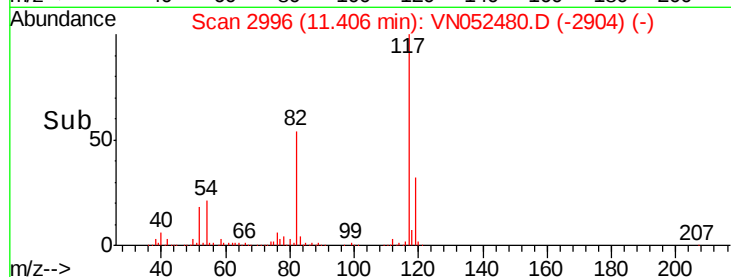
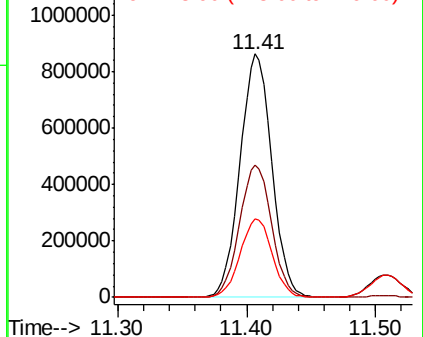
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tot Ion:117 Resp: 1480927
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.1 25.4 38.2

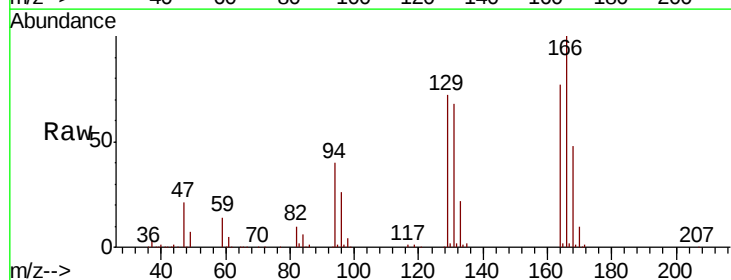


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

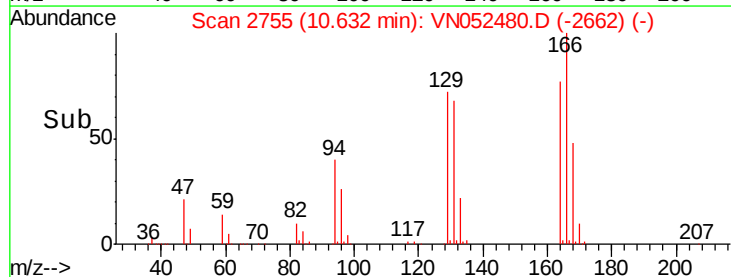
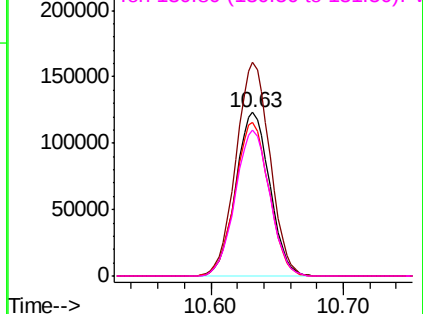


#64
Tetrachloroethene
Concen: 19.124 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:164 Resp: 219580
Ion Ratio Lower Upper
164 100
166 130.6 101.0 151.4
129 94.2 73.8 110.6
131 89.0 71.2 106.8



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

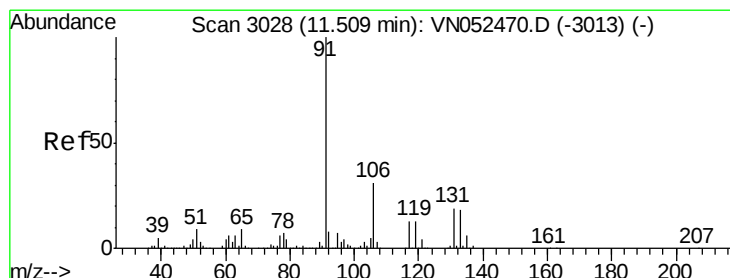
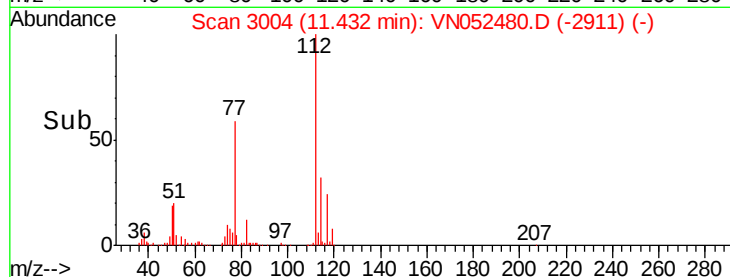
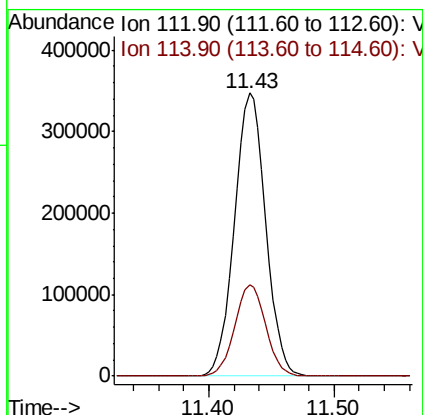
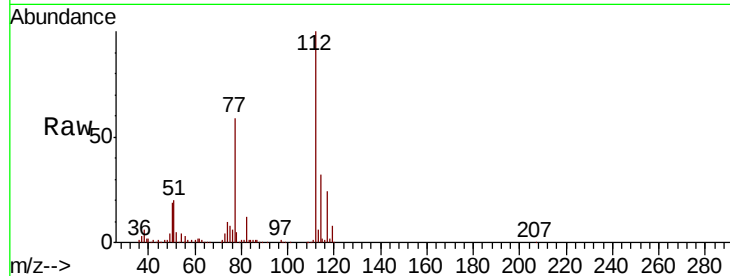




#65
Chlorobenzene
Concen: 19.678 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

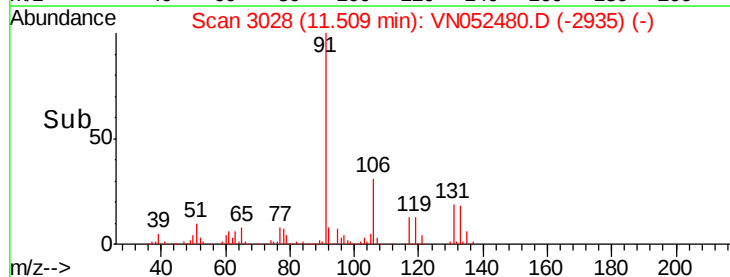
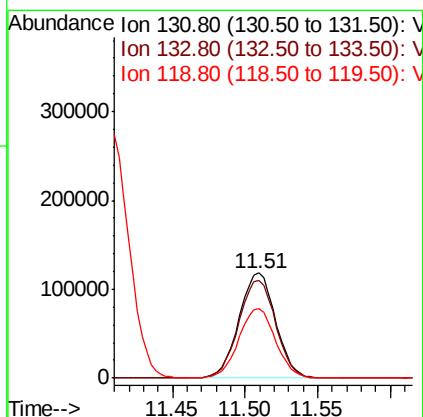
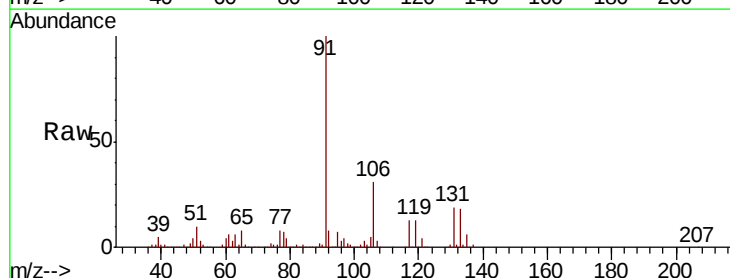
Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

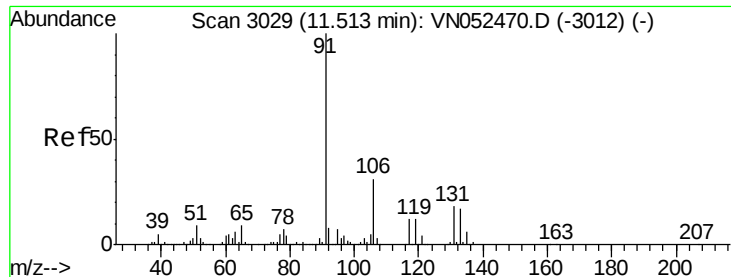
Tot Ion:112 Resp: 600900
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.599 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:131 Resp: 208096
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.8
119 66.2 33.2 99.6

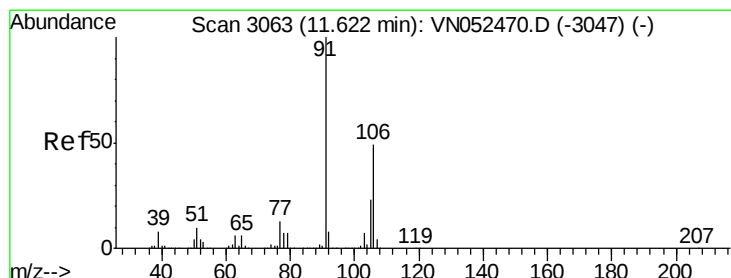
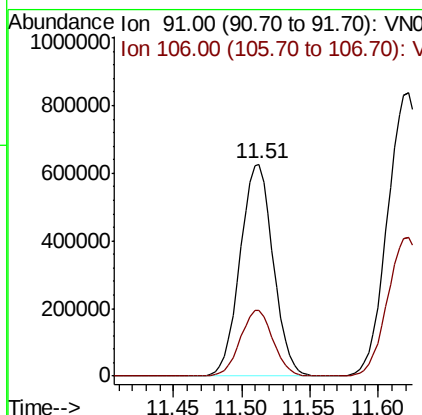
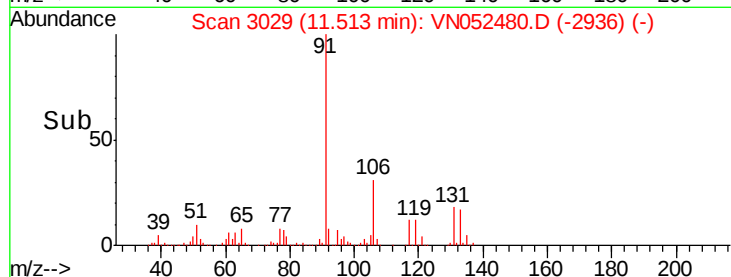
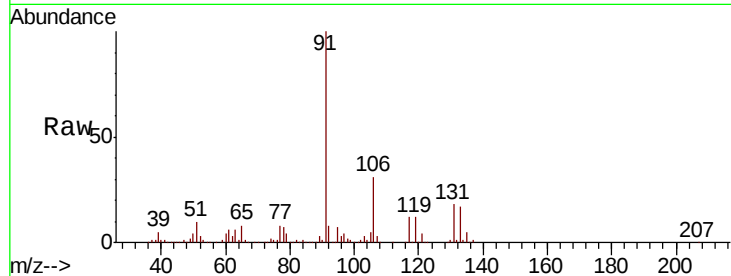




#67
Ethyl Benzene
Concen: 19.742 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

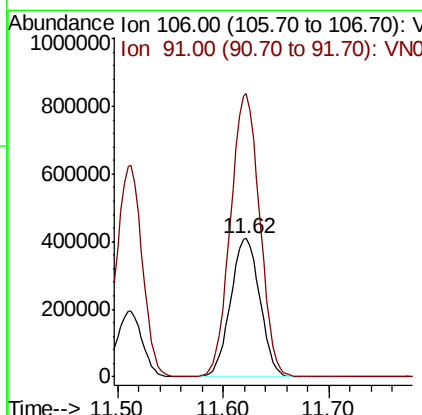
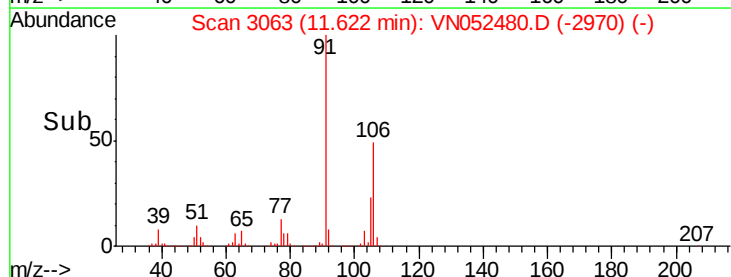
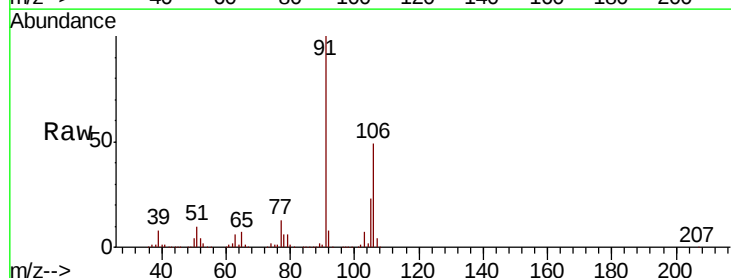
Instrument :
MSVOA_N
ClientSampled :
VN1127WBS01

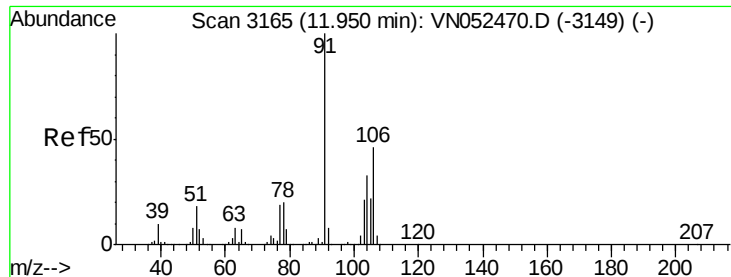
Tot Ion: 91 Resp: 1055691
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 39.589 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion: 106 Resp: 788122
Ion Ratio Lower Upper
106 100
91 203.8 163.2 244.8

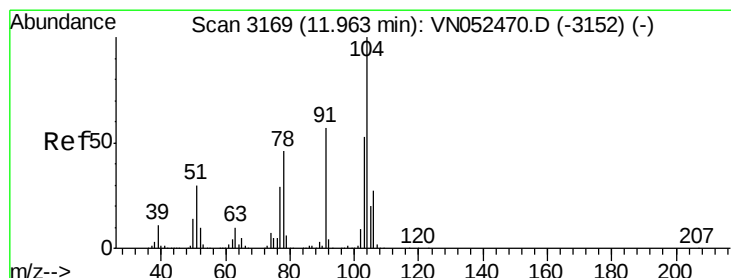
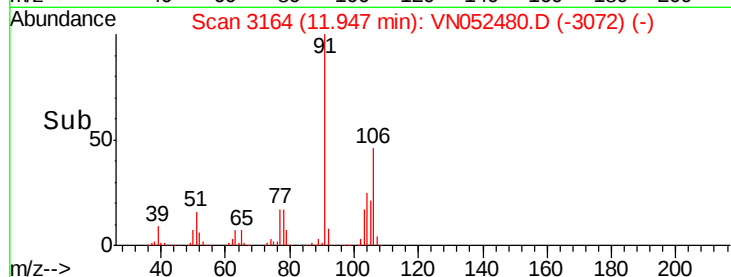
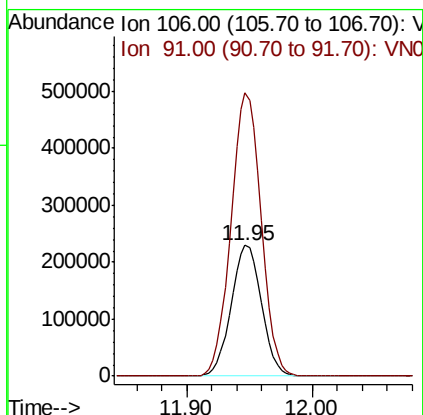
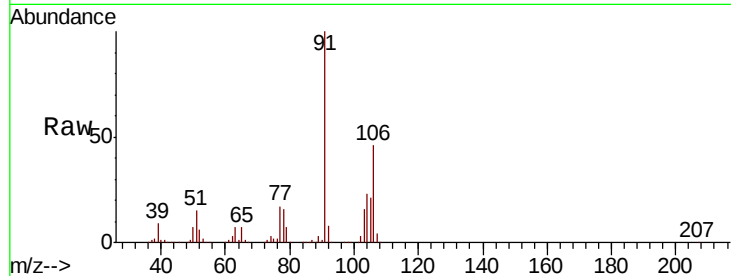




#69
o-Xylene
Concen: 19.880 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

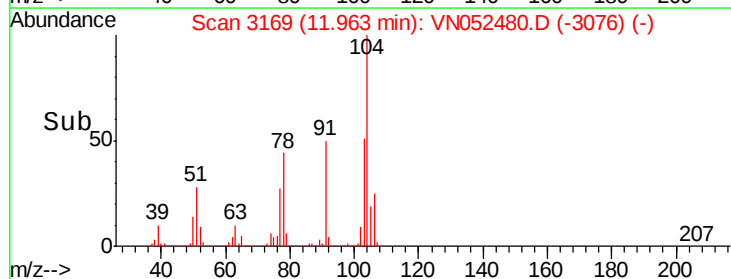
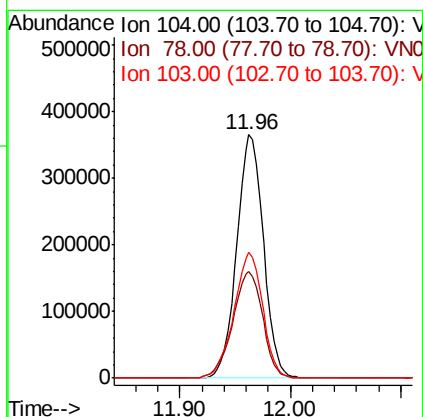
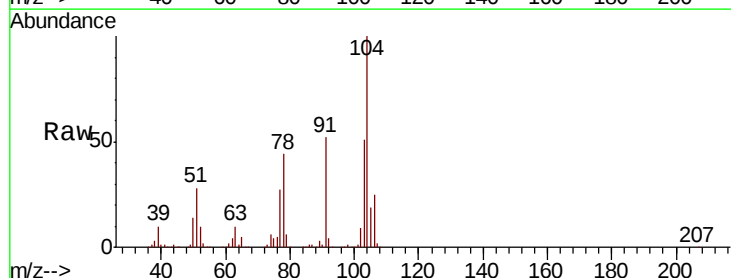
Instrument :
MSVOA_N
ClientSampled :
VN1127WBS01

Tot Ion:106 Resp: 384307
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.1



#70
Styrene
Concen: 19.899 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:104 Resp: 612709
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.2
103 55.7 44.9 67.3

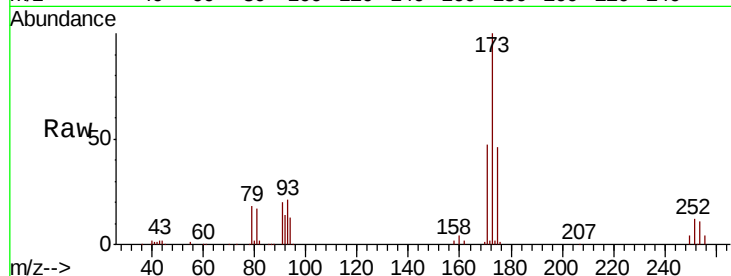




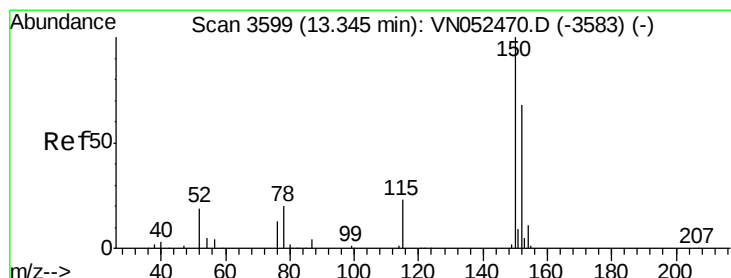
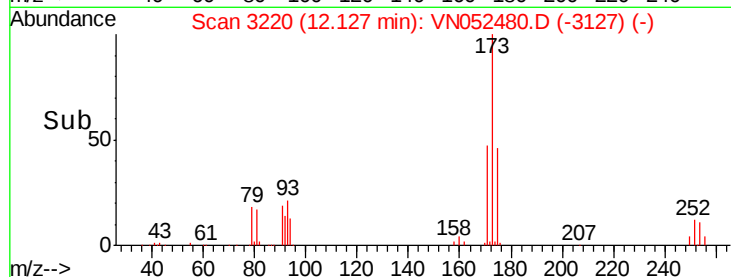
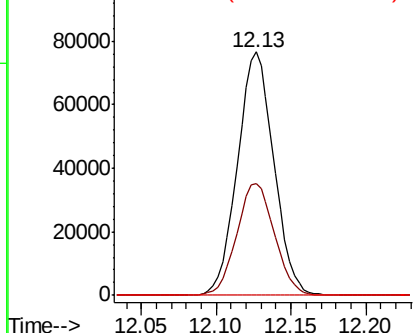
#71
Bromoform
Concen: 18.441 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS01

Tot Ion:173 Resp: 129648
Ion Ratio Lower Upper
173 100
175 47.6 24.4 73.2
254 0.0 0.1 0.1#

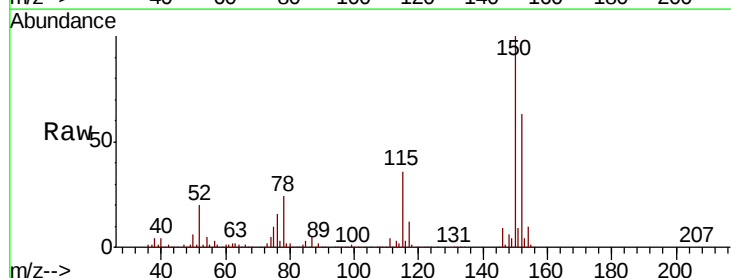


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

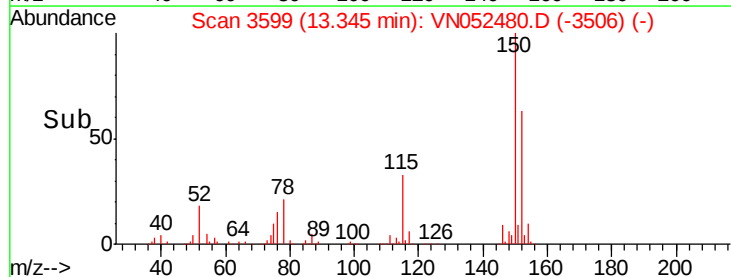
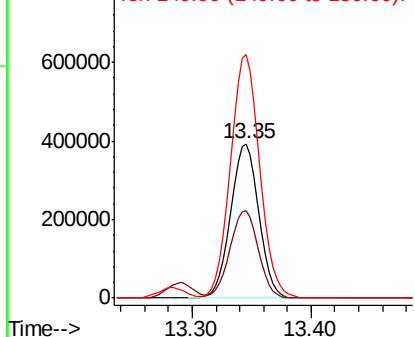


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052480.D
Acq: 27 Nov 2018 15:53

Tgt Ion:152 Resp: 643101
Ion Ratio Lower Upper
152 100
115 57.4 28.4 85.2
150 163.7 0.0 346.0



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: 20.366 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

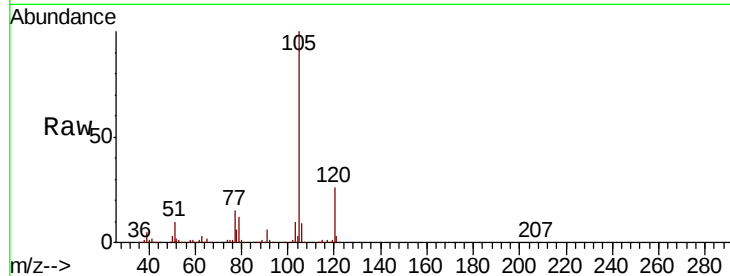
VN1127WBS01

Tot Ion:105 Resp: 1027552

Ion Ratio Lower Upper

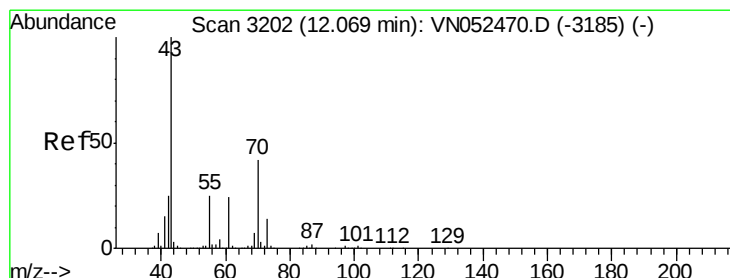
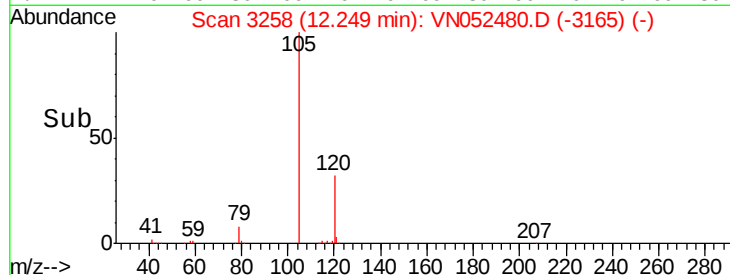
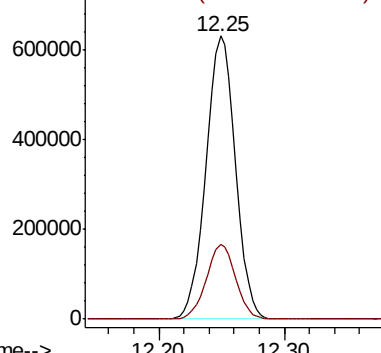
105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.196 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion: 43 Resp: 231942

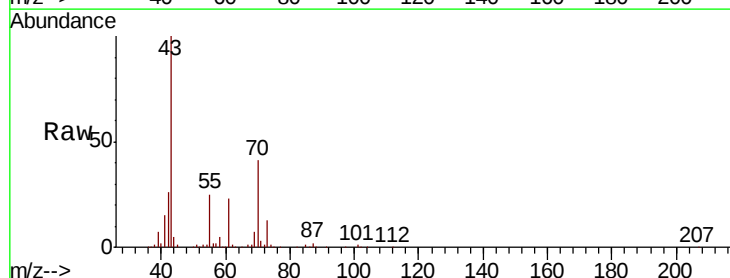
Ion Ratio Lower Upper

43 100

70 41.1 33.8 50.8

55 25.7 20.0 30.0

61 23.8 19.7 29.5

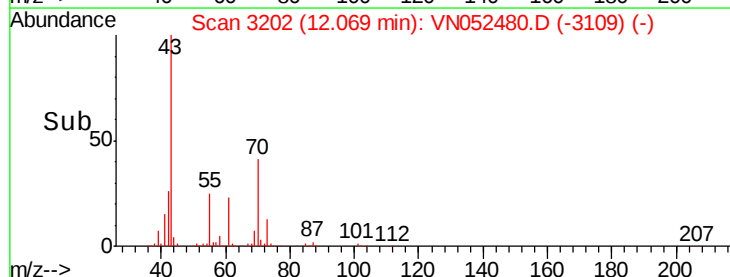
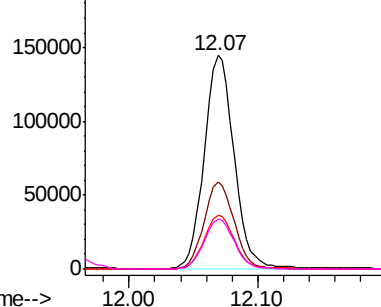


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.059 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

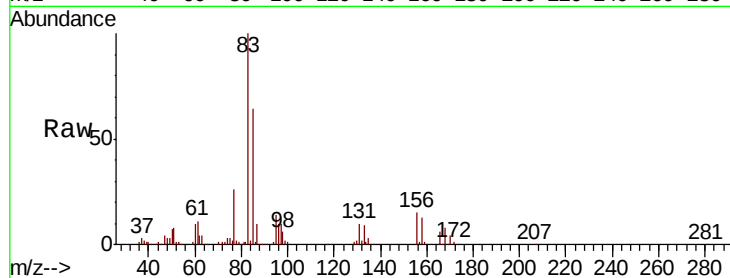
Tot Ion: 83 Resp: 218750

Ion Ratio Lower Upper

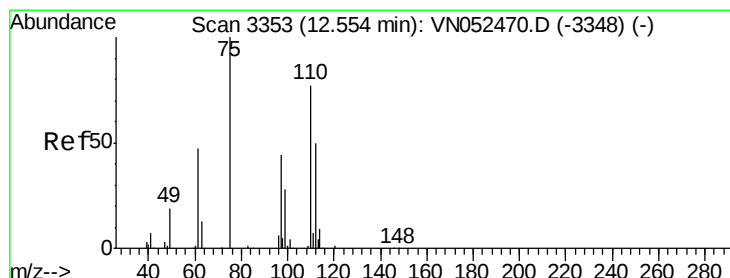
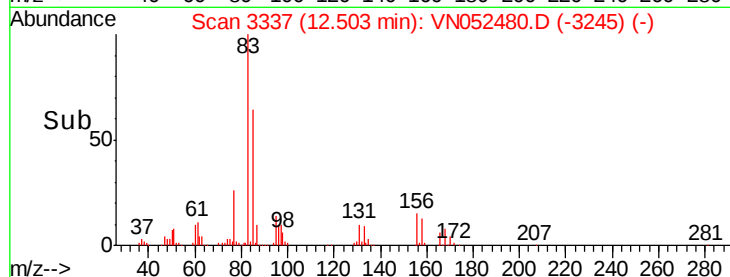
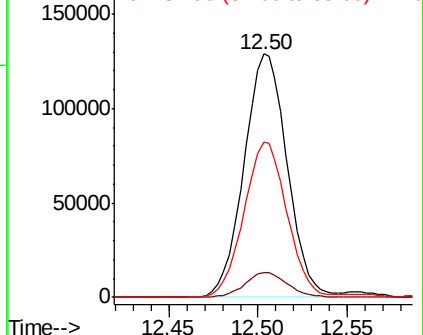
83 100

131 10.1 5.0 15.0

85 63.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 26.420 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052480.D

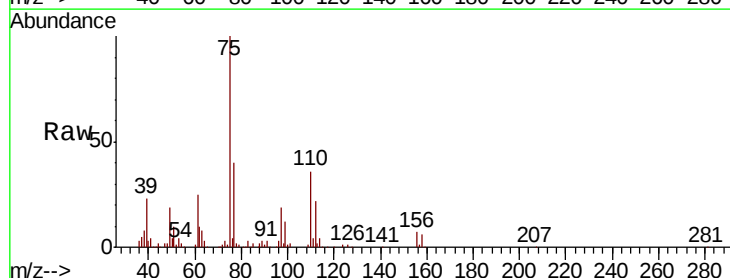
Acq: 27 Nov 2018 15:53

Tgt Ion: 75 Resp: 262005

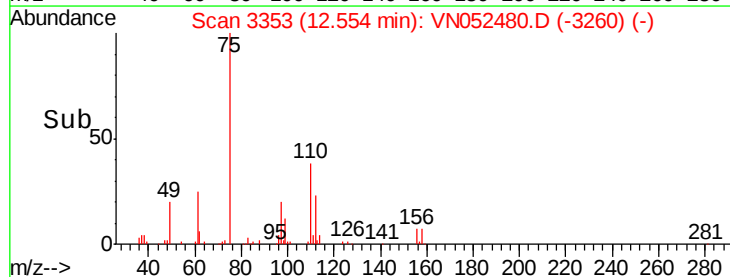
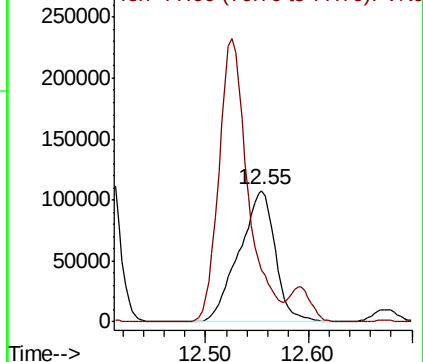
Ion Ratio Lower Upper

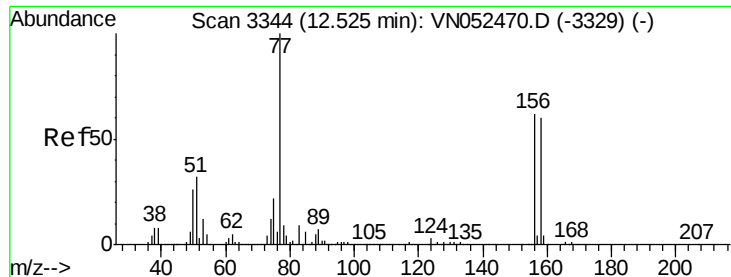
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.670 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

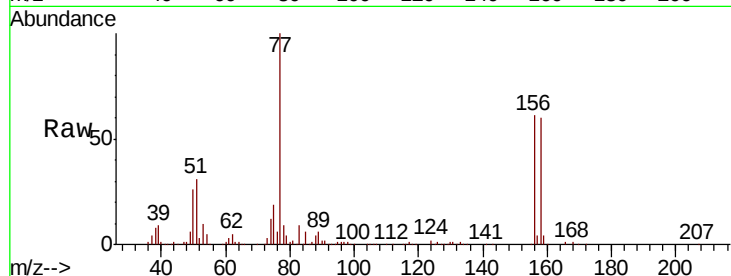
Tot Ion:156 Resp: 245304

Ion Ratio Lower Upper

156 100

77 185.5 93.5 280.4

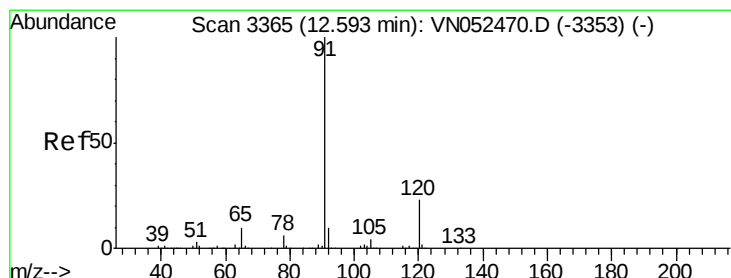
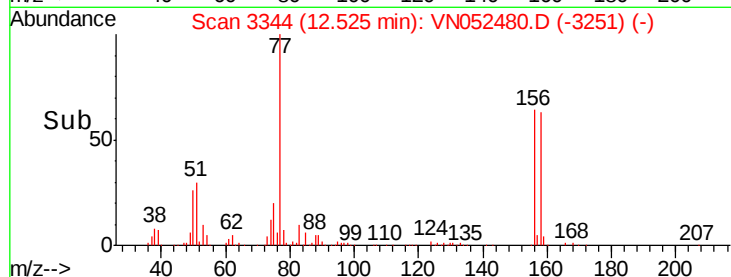
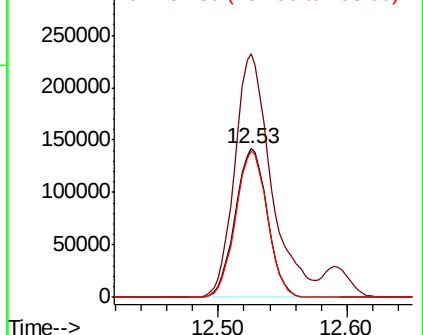
158 97.3 48.3 144.9



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: 20.143 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052480.D

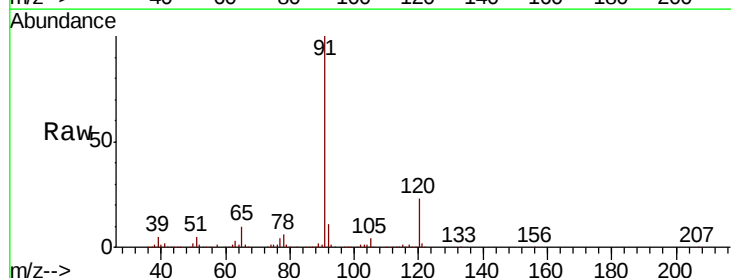
Acq: 27 Nov 2018 15:53

Tgt Ion: 91 Resp: 1154574

Ion Ratio Lower Upper

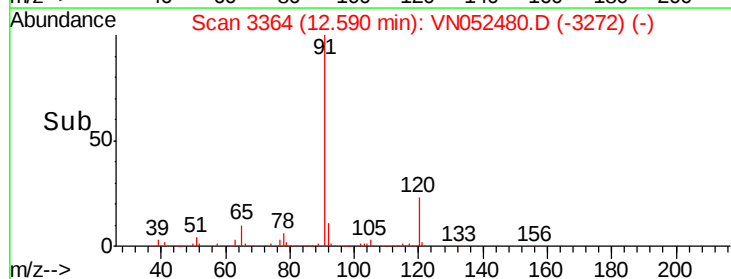
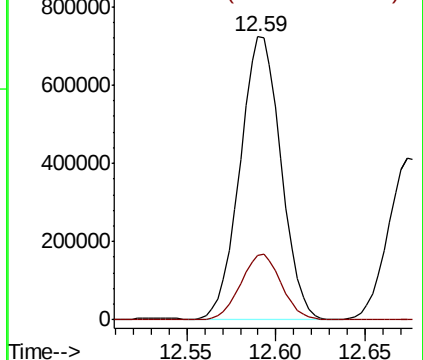
91 100

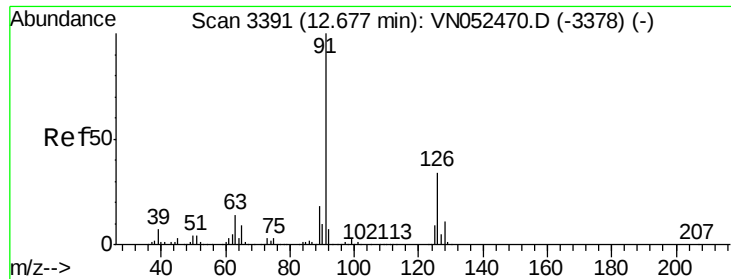
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.937 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

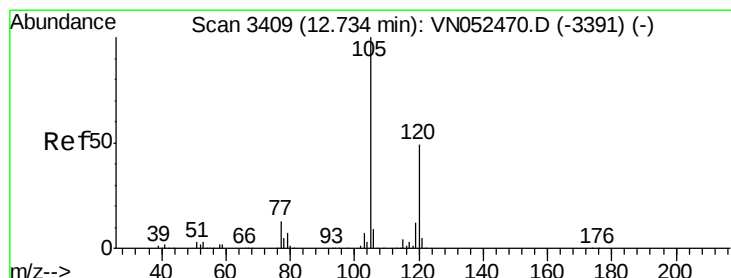
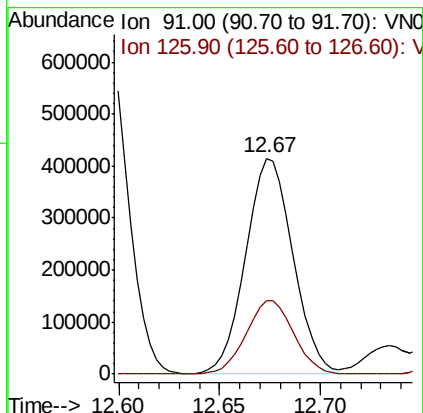
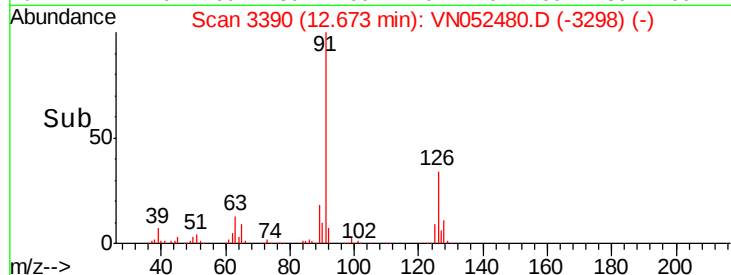
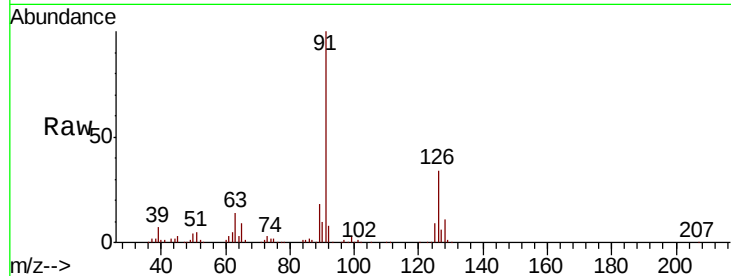
VN1127WBS01

Tot Ion: 91 Resp: 680523

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.469 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052480.D

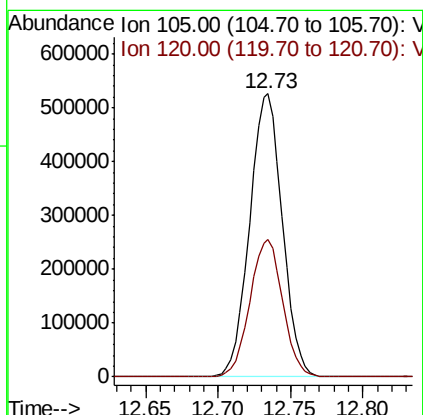
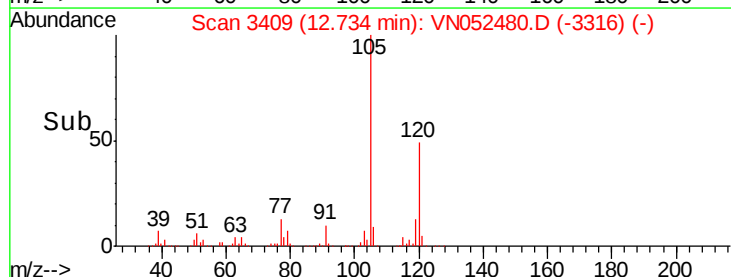
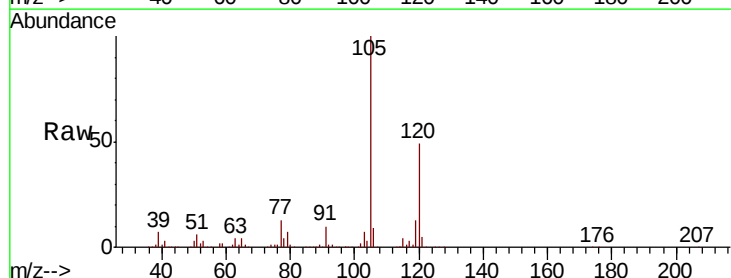
Acq: 27 Nov 2018 15:53

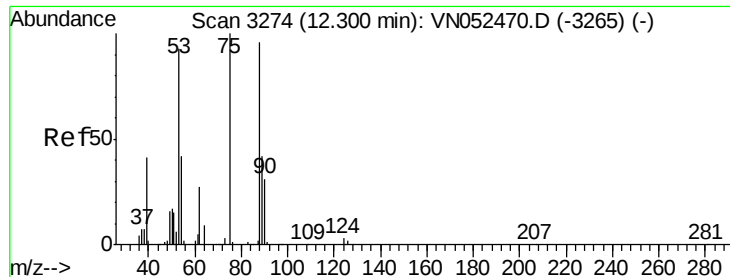
Tgt Ion: 105 Resp: 823694

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.820 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

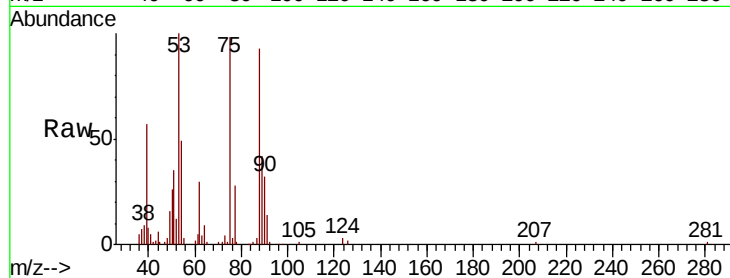
MSVOA_N

ClientSampleId :

VN1127WBS01

Tot Ion: 75 Resp: 52918

Ion	Ratio	Lower	Upper
75	100		
53	103.1	77.4	116.0
89	43.1	35.4	53.2

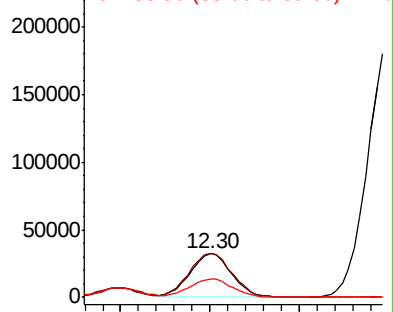


Abundance

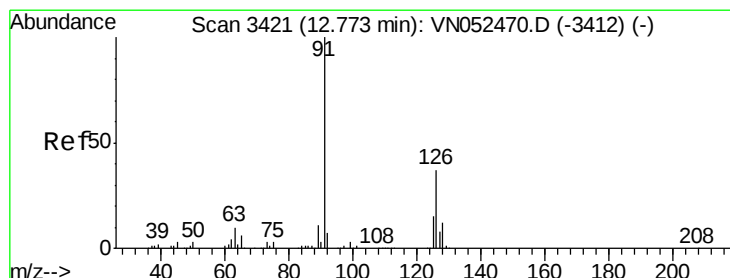
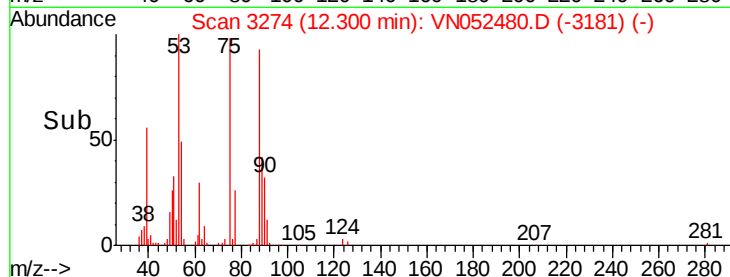
Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 19.820 ug/l

RT: 12.77 min Scan# 3421

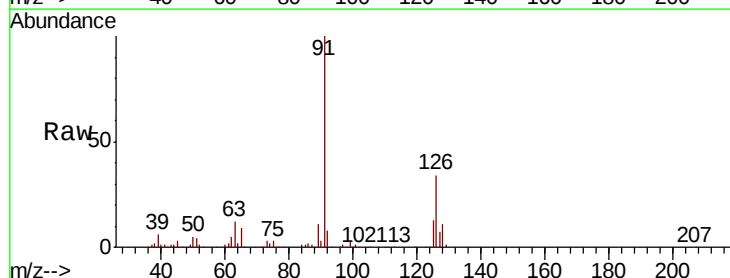
Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Tgt Ion: 91 Resp: 681820

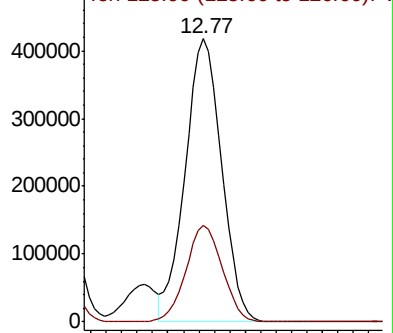
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6



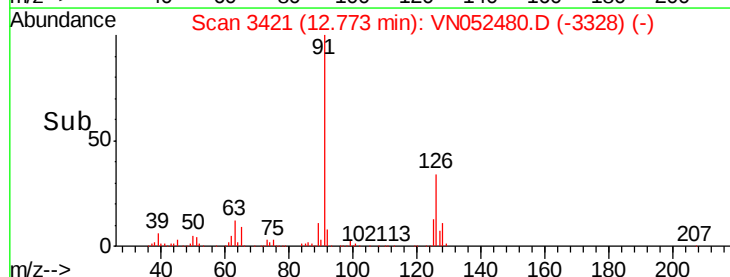
Abundance

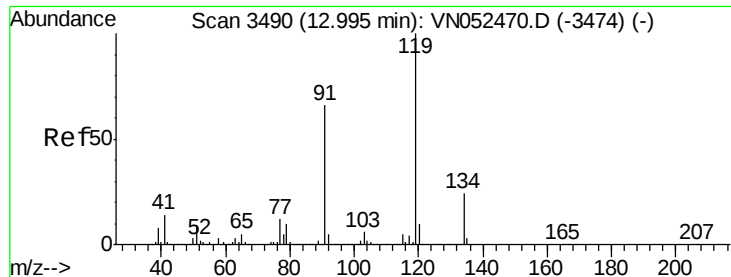
Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->

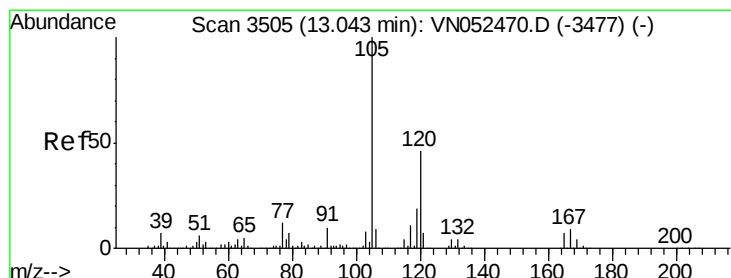
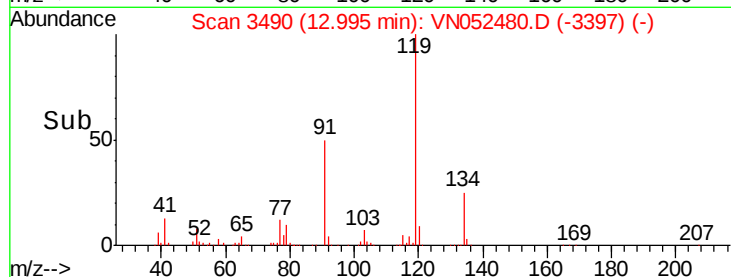
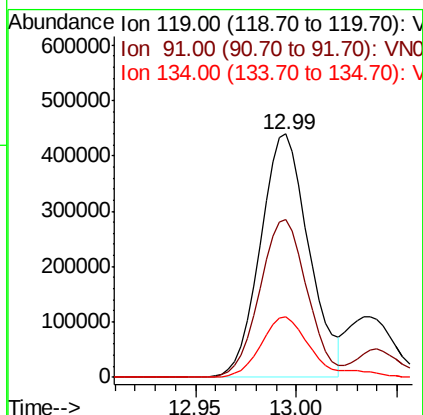
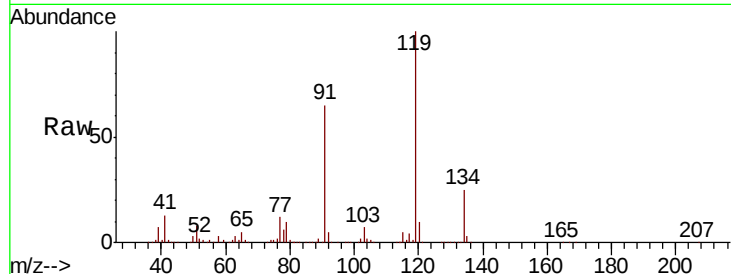




#83
 tert-Butylbenzene
 Concen: 20.493 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

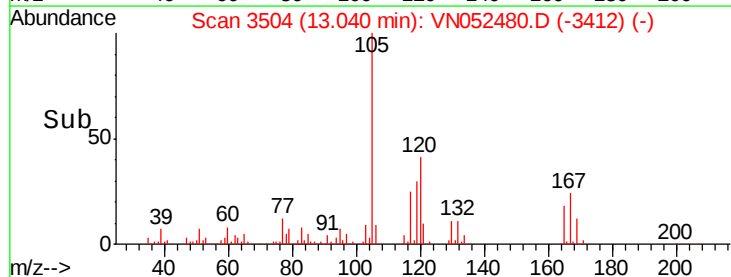
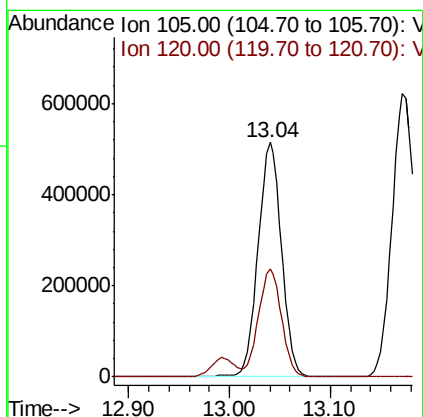
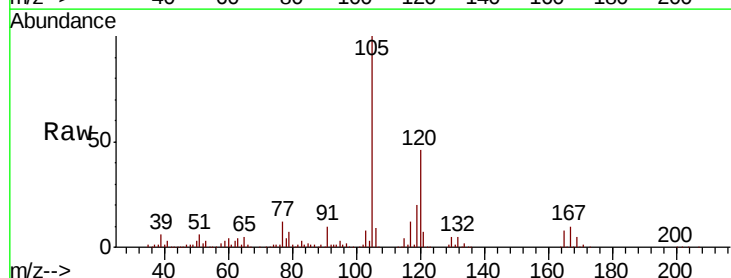
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

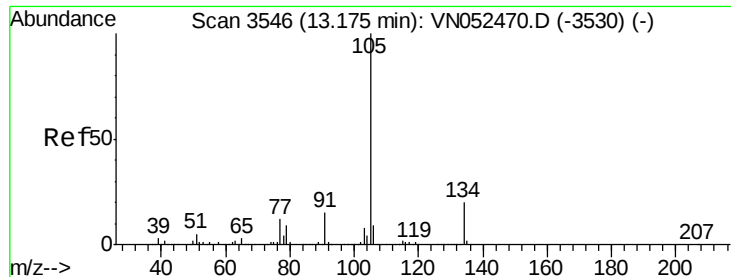
Tot Ion:119 Resp: 735164
 Ion Ratio Lower Upper
 119 100
 91 63.1 32.3 96.9
 134 24.4 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.489 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion:105 Resp: 826279
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.321 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

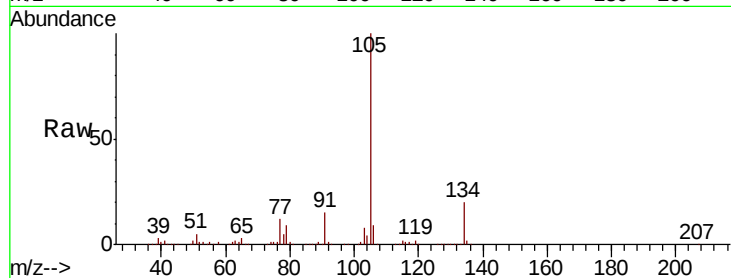
VN1127WBS01

Tot Ion:105 Resp: 992916

Ion Ratio Lower Upper

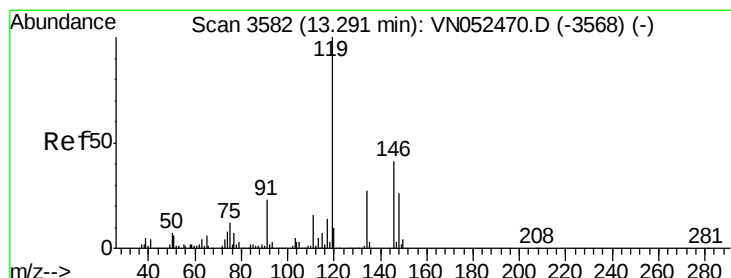
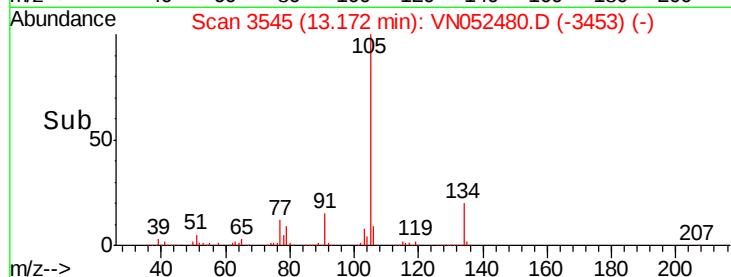
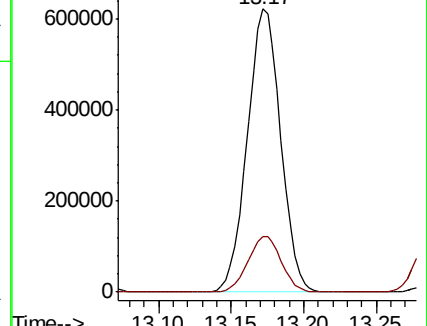
105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.083 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

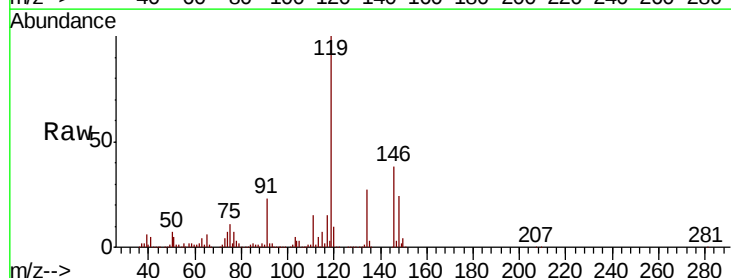
Tgt Ion:119 Resp: 835794

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

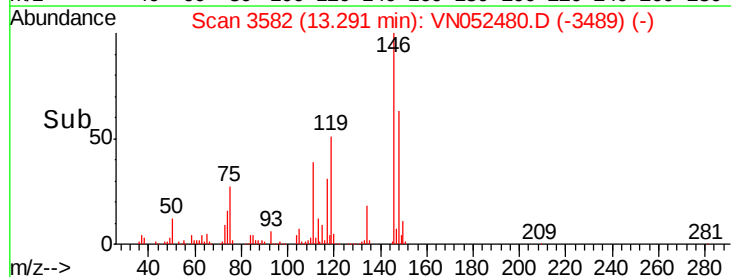
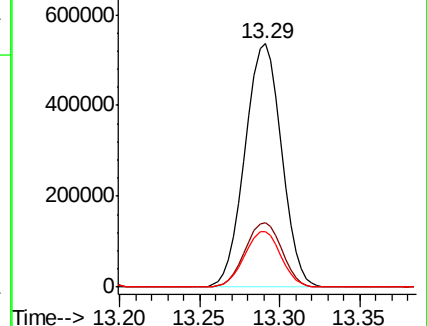
91 22.8 11.4 34.2

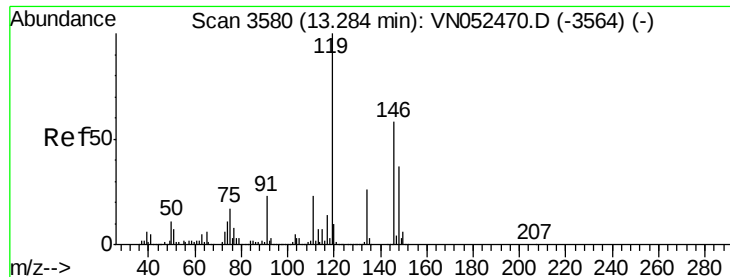


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.554 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

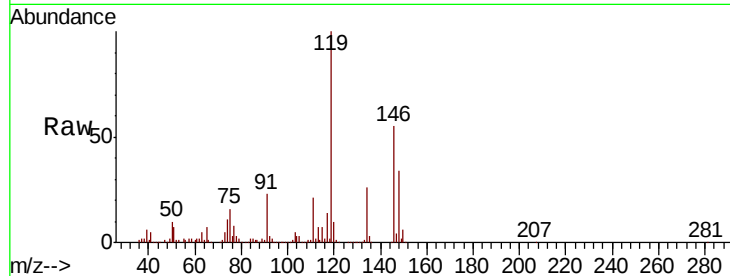
Tot Ion:146 Resp: 426562

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.4

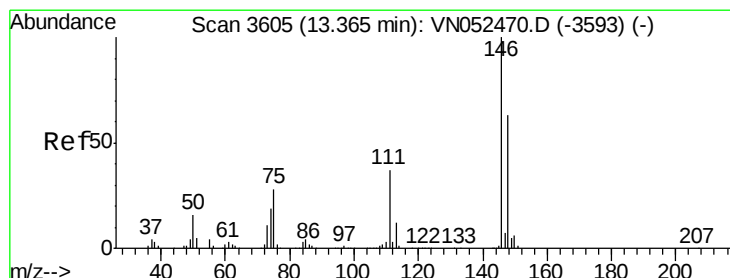
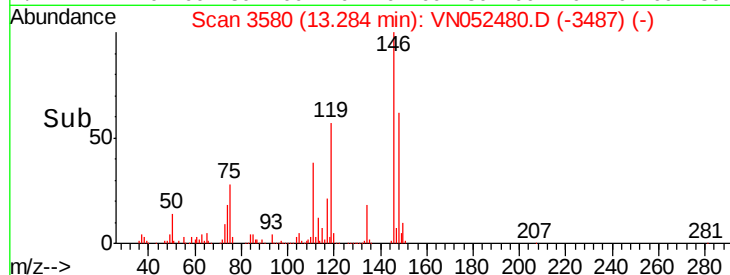
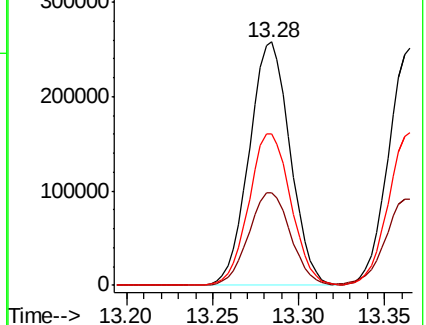
148 63.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.164 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

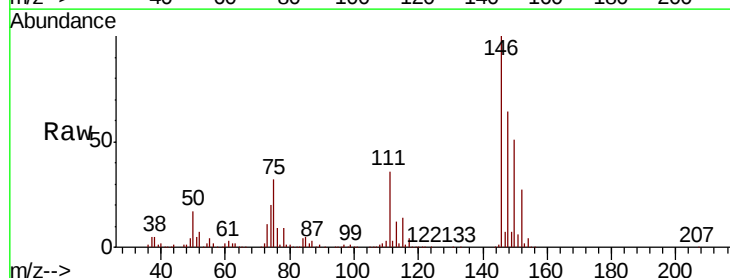
Tgt Ion:146 Resp: 411795

Ion Ratio Lower Upper

146 100

111 39.1 18.6 56.0

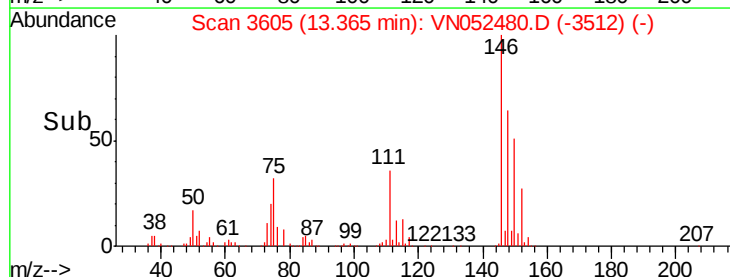
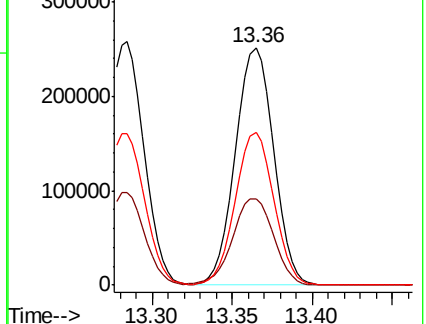
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.922 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

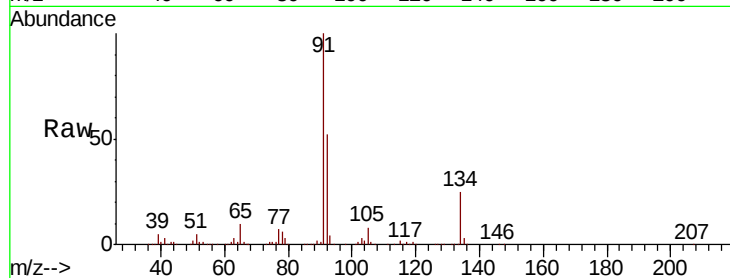
Tot Ion: 91 Resp: 689521

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 25.7 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

13.62

400000

300000

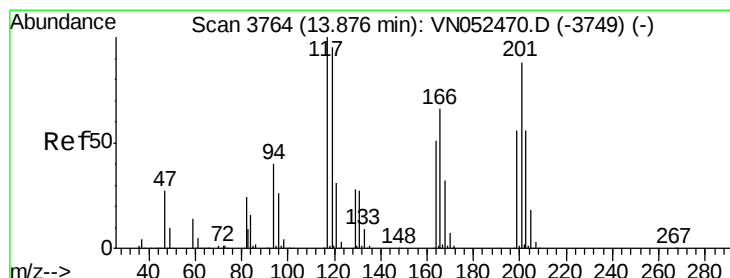
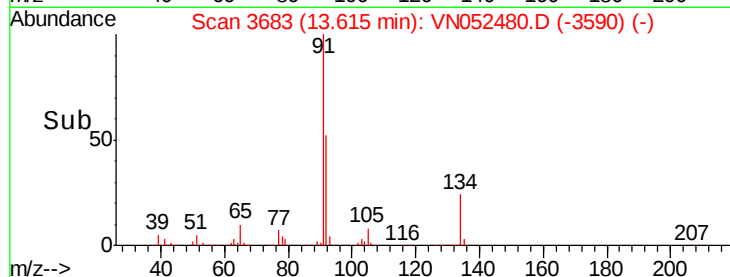
200000

100000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 19.169 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052480.D

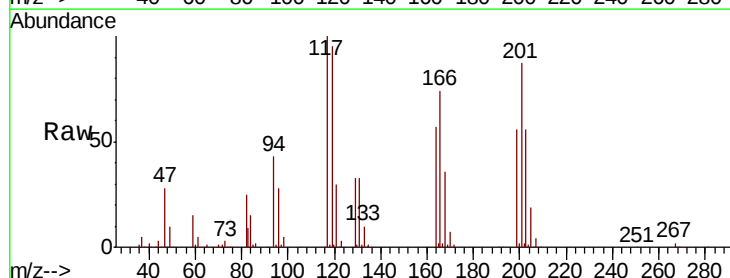
Acq: 27 Nov 2018 15:53

Tgt Ion: 117 Resp: 135080

Ion Ratio Lower Upper

117 100

201 88.1 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

13.88

80000

60000

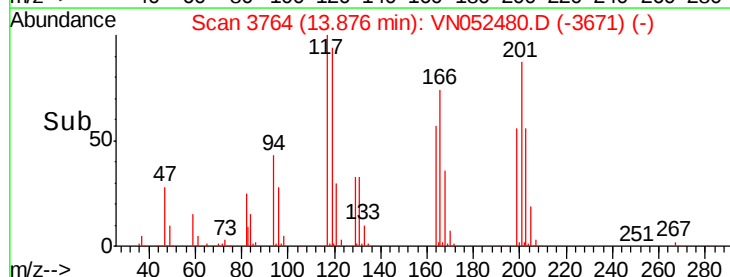
40000

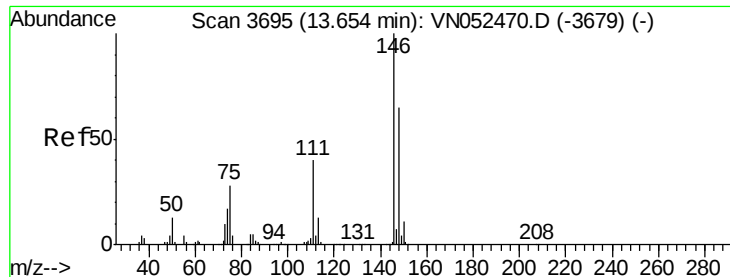
20000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.722 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

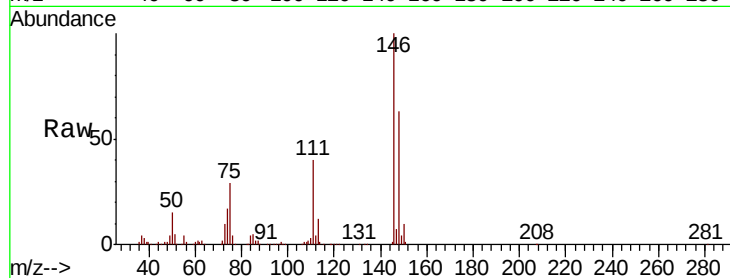
Tot Ion:146 Resp: 411033

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

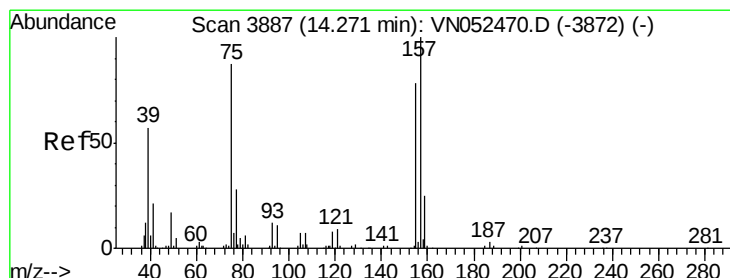
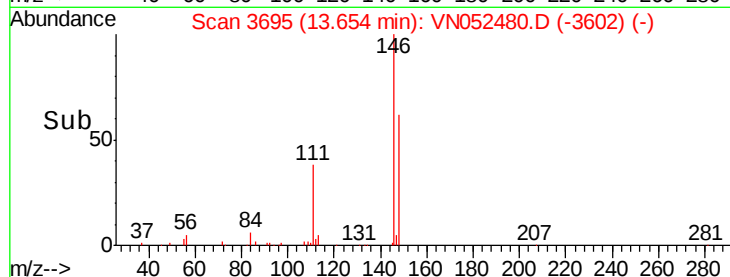
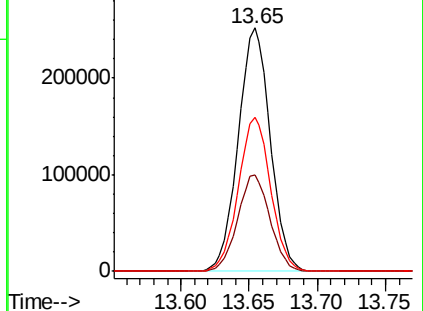
148 63.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.074 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

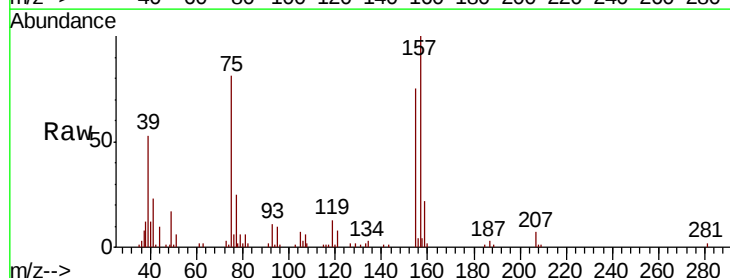
Tgt Ion: 75 Resp: 29669

Ion Ratio Lower Upper

75 100

155 89.6 45.3 135.9

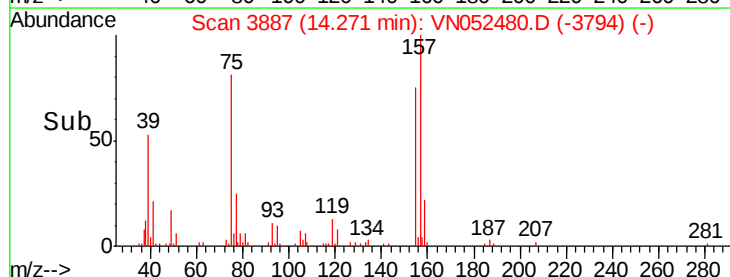
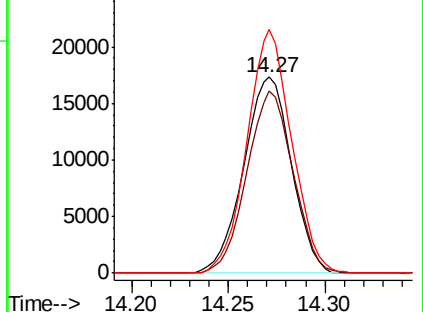
157 116.5 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

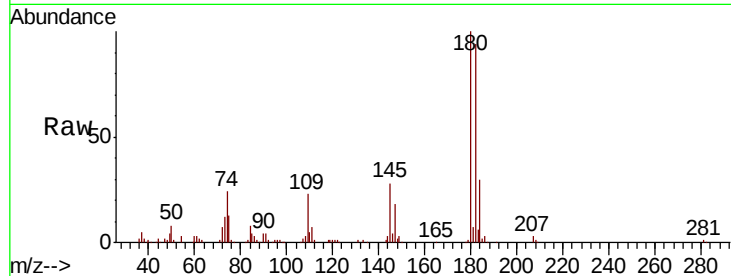




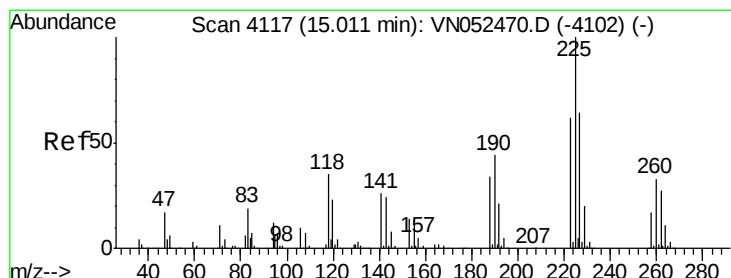
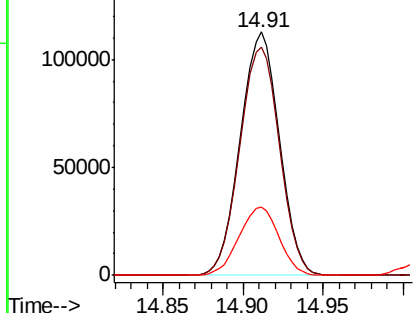
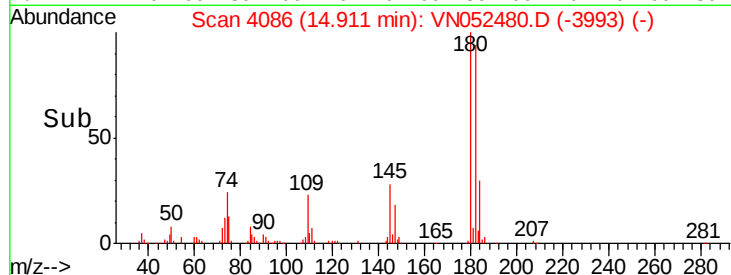
#93
 1,2,4-Trichlorobenzene
 Concen: 18.369 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	28.7	14.1	42.3

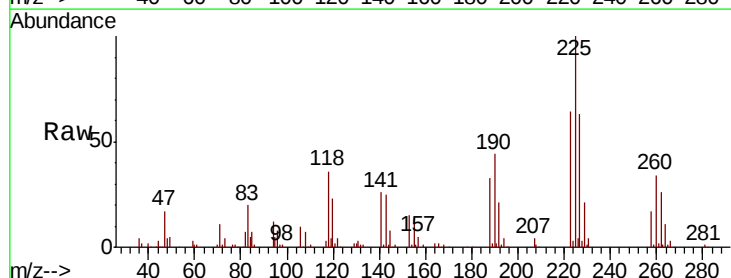


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

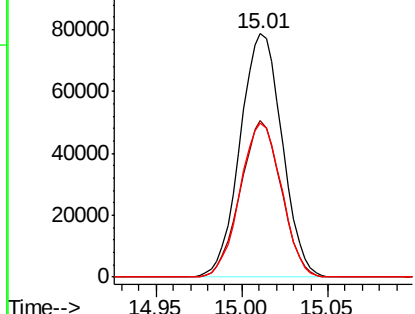
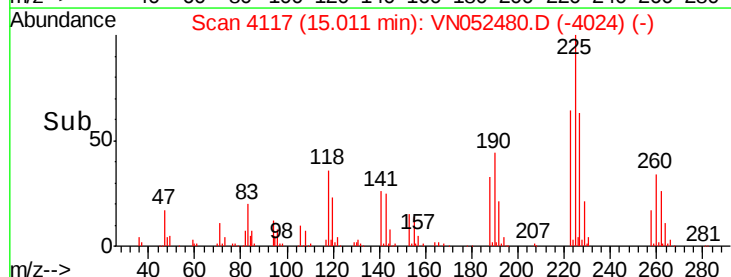


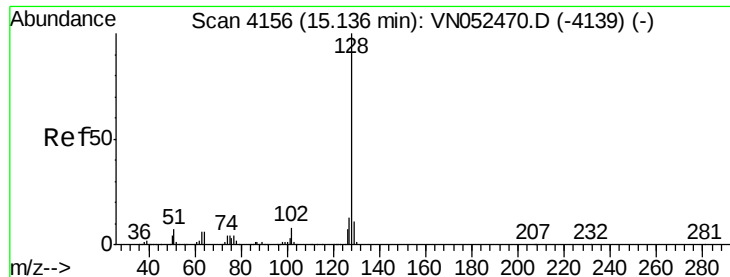
#94
 Hexachlorobutadiene
 Concen: 19.948 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052480.D
 Acq: 27 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	62.4	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.584 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS01

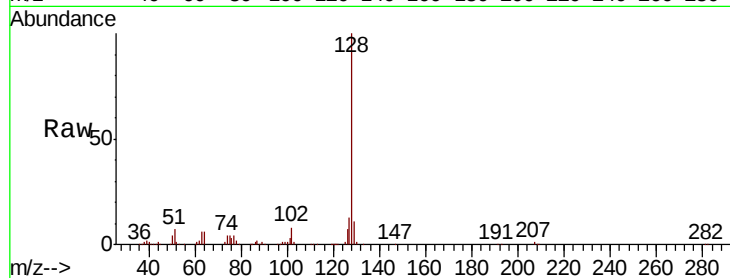
Tot Ion:128 Resp: 367971

Ion Ratio Lower Upper

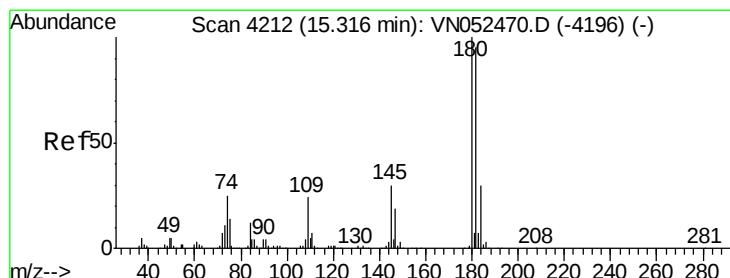
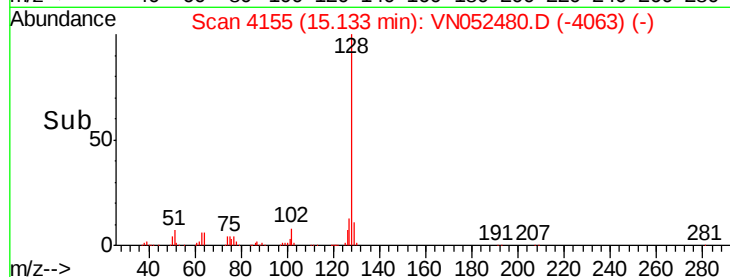
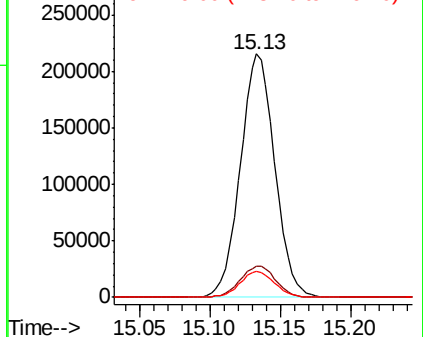
128 100

127 13.3 10.2 15.2

129 10.9 8.7 13.1



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: 18.797 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052480.D

Acq: 27 Nov 2018 15:53

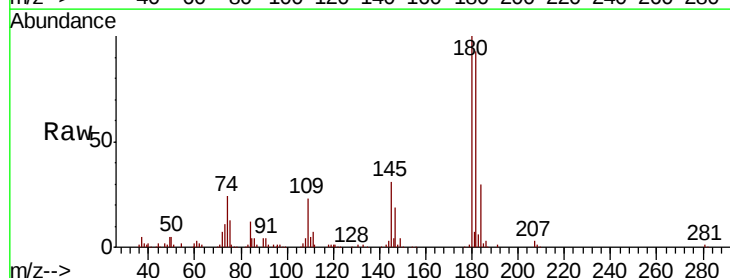
Tgt Ion:180 Resp: 178422

Ion Ratio Lower Upper

180 100

182 93.0 47.8 143.3

145 30.7 15.2 45.5



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

