

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058878.D
 Acq On : 21 Oct 2019 11:27
 Operator : JC/SP
 Sample : VN1021WBS01
 Misc : 5.00mL/MSVOA N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

Quant Time: Oct 22 03:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	673153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	294209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311531	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.57	113	222551	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.08	98	864304	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	315033	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	106046	20.323	ug/l	98
3) Chloromethane	2.04	50	129835	20.090	ug/l	98
4) Vinyl Chloride	2.17	62	130122	20.278	ug/l	98
5) Bromomethane	2.54	94	83103	20.681	ug/l	94
6) Chloroethane	2.68	64	82587	20.070	ug/l	98
7) Trichlorofluoromethane	3.00	101	161962	20.399	ug/l	100
8) Diethyl Ether	3.39	74	56236	20.496	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	88263	20.053	ug/l	99
10) Methyl Iodide	3.93	142	112583	19.448	ug/l	99
11) Tert butyl alcohol	4.76	59	107756	105.788	ug/l	98
12) 1,1-Dichloroethene	3.72	96	84595	20.504	ug/l	97
13) Acrolein	3.59	56	68700	98.158	ug/l	99
14) Allyl chloride	4.30	41	170557	20.429	ug/l	99
15) Acrylonitrile	4.96	53	270305	105.497	ug/l	99
16) Acetone	3.80	43	288566	95.138	ug/l	100
17) Carbon Disulfide	4.03	76	256924	19.332	ug/l	100
18) Methyl Acetate	4.30	43	138358	20.064	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	304190	21.056	ug/l	99
20) Methylene Chloride	4.53	84	103786	20.039	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	93934	20.616	ug/l	96
22) Diisopropyl ether	5.93	45	345701	21.170	ug/l	99
23) Vinyl Acetate	5.87	43	1447447	110.326	ug/l	100
24) 1,1-Dichloroethane	5.82	63	194059	20.495	ug/l	100
25) 2-Butanone	6.81	43	393379	99.911	ug/l	98
26) 2,2-Dichloropropane	6.80	77	167142	20.408	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	105478	20.265	ug/l	96
28) Bromochloromethane	7.17	49	63137	20.022	ug/l	97
29) Tetrahydrofuran	7.19	42	253694	105.329	ug/l	99
30) Chloroform	7.35	83	189082	19.907	ug/l	99
31) Cyclohexane	7.63	56	177429	20.114	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	164241	20.515	ug/l	99
36) 1,1-Dichloropropene	7.77	75	138618	20.114	ug/l	100
37) Ethyl Acetate	6.91	43	160660	21.395	ug/l	99
38) Carbon Tetrachloride	7.76	117	143208	20.171	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158893	20.533	ug/l	99
40) Benzene	8.02	78	417333	20.622	ug/l	99
41) Methacrylonitrile	7.19	41	233516	69.821	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	157329	20.182	ug/l	99
43) Isopropyl Acetate	8.15	43	246298	20.451	ug/l	99
44) Trichloroethene	8.82	130	101173	20.523	ug/l	99
45) 1,2-Dichloropropane	9.11	63	113776	20.503	ug/l	97
46) Dibromomethane	9.20	93	72540	20.677	ug/l	98
47) Bromodichloromethane	9.39	83	147473	20.396	ug/l	100
48) Methyl methacrylate	9.19	41	112213	20.537	ug/l	99
49) 1,4-Dioxane	9.19	88	40928	456.294	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	784152	111.474	ug/l	99
52) Toluene	10.15	92	252716	21.058	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	162814	20.341	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	177248	20.727	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	100397	20.307	ug/l	100
56) Ethyl methacrylate	10.43	69	151533	19.579	ug/l	98
57) 1,3-Dichloropropane	10.70	76	176897	20.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	323663	95.868	ug/l	100
59) 2-Hexanone	10.75	43	589221	108.398	ug/l	99
60) Dibromochloromethane	10.90	129	105980	19.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	103510	20.459	ug/l	100
64) Tetrachloroethene	10.63	164	89868	20.482	ug/l	97
65) Chlorobenzene	11.43	112	260289	20.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99258	20.623	ug/l	99
67) Ethyl Benzene	11.51	91	473361	21.156	ug/l	98
68) m/p-Xylenes	11.62	106	353707	42.628	ug/l	99
69) o-Xylene	11.95	106	164728	20.816	ug/l	99
70) Styrene	11.97	104	268348	19.455	ug/l	99
71) Bromoform	12.13	173	72884	19.528	ug/l #	99
73) Isopropylbenzene	12.25	105	459014	21.348	ug/l	99
74) N-amyl acetate	12.07	43	207779	21.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156774	20.737	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	208877	30.633	ug/l #	100
77) Bromobenzene	12.53	156	108052	20.389	ug/l	99
78) n-propylbenzene	12.59	91	545890	21.479	ug/l	99
79) 2-Chlorotoluene	12.68	91	325362	20.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	390275	21.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51842	19.806	ug/l	97
82) 4-Chlorotoluene	12.78	91	329002	20.697	ug/l	100
83) tert-Butylbenzene	13.00	119	323348	20.932	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	393182	22.066	ug/l	100
85) sec-Butylbenzene	13.17	105	443459	21.531	ug/l	100
86) p-Isopropyltoluene	13.29	119	392506	21.598	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	196593	20.746	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	187275	19.739	ug/l	96
89) n-Butylbenzene	13.62	91	344958	20.664	ug/l	100
90) Hexachloroethane	13.88	117	75629	20.538	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	192469	20.665	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33191	19.410	ug/l	96

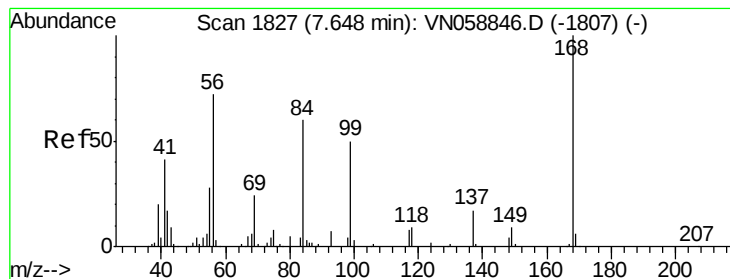
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102884	19.183	ug/l	99
94) Hexachlorobutadiene	15.01	225	60597	20.073	ug/l	97
95) Naphthalene	15.13	128	286846	18.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102774	19.537	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

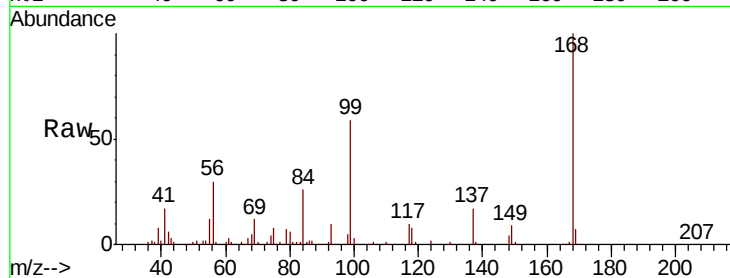
VN1021WBS01

Tot Ion:168 Resp: 418515

Ion Ratio Lower Upper

168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058878.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058878.D (-1734) (-)

7.65

200000

150000

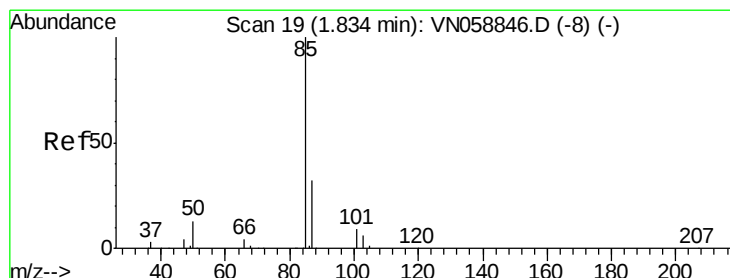
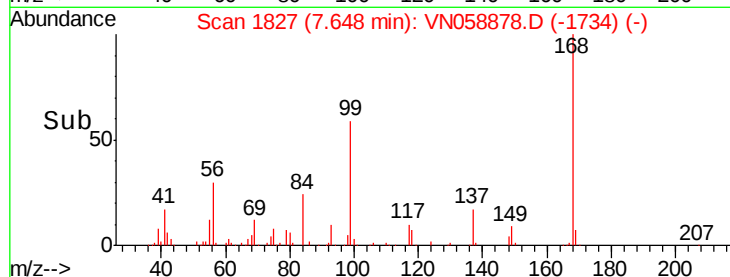
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.323 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058878.D

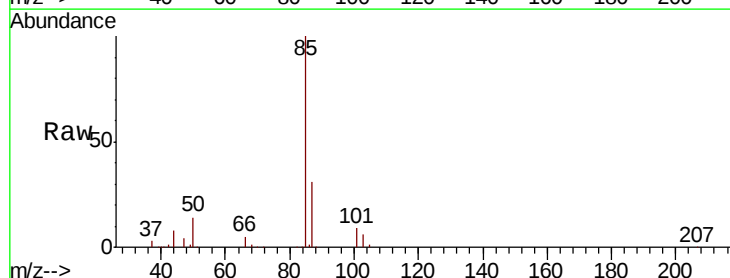
Acq: 21 Oct 2019 11:27

Tgt Ion: 85 Resp: 106046

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058878.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN058878.D (-1) (-)

1.83

80000

60000

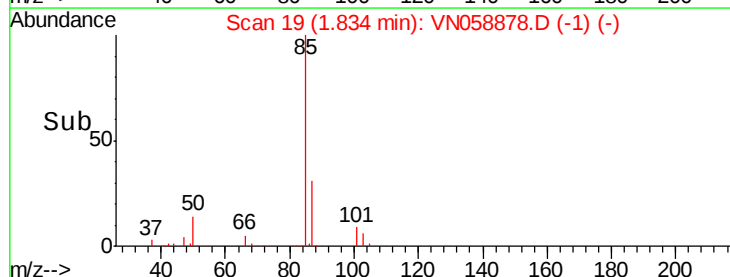
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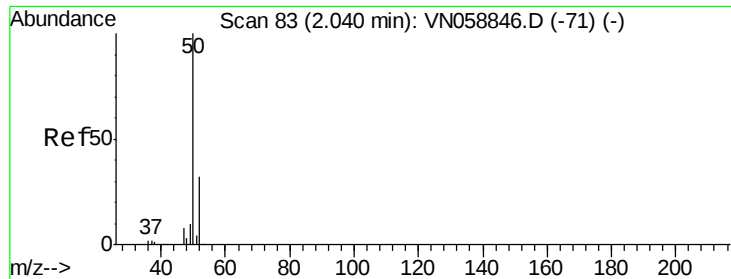
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.090 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

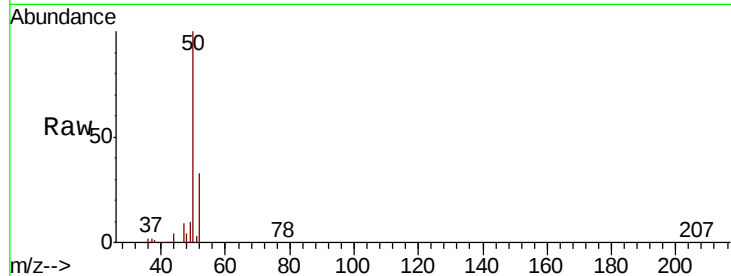
VN1021WBS01

Tot Ion: 50 Resp: 129835

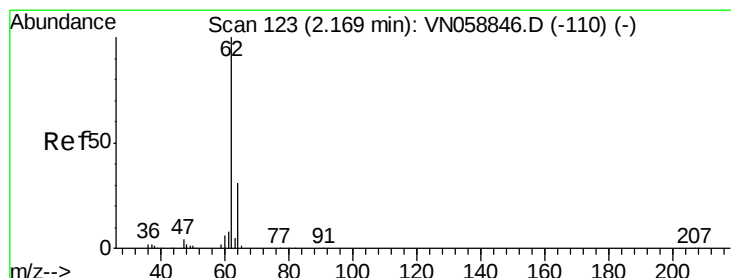
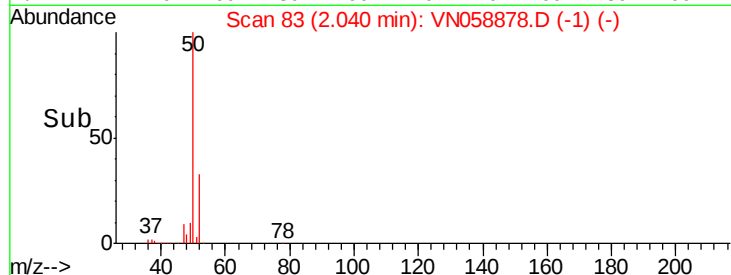
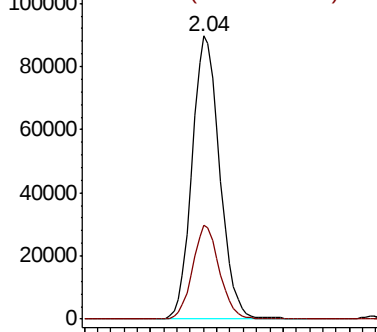
Ion Ratio Lower Upper

50 100

52 33.1 25.7 38.5



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



#4

Vinyl Chloride

Concen: 20.278 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058878.D

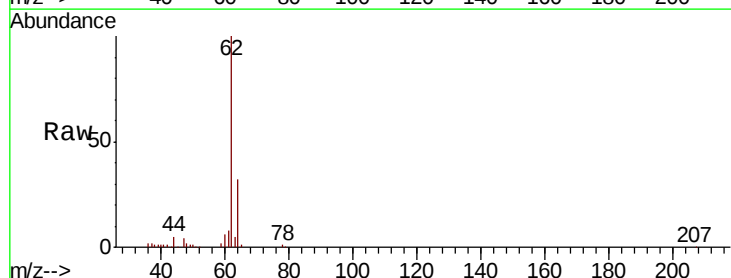
Acq: 21 Oct 2019 11:27

Tgt Ion: 62 Resp: 130122

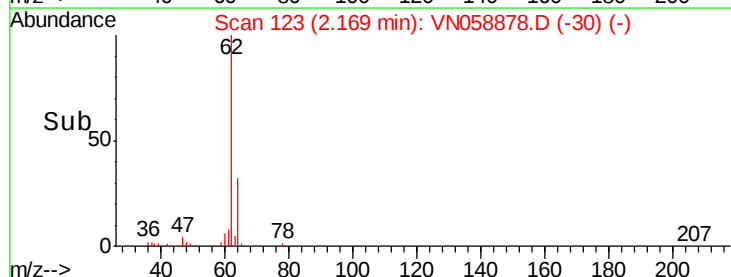
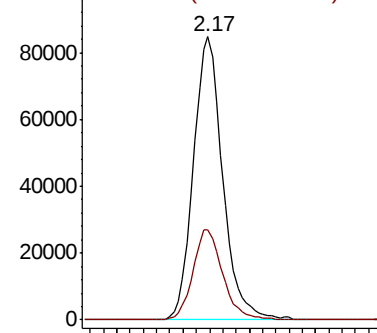
Ion Ratio Lower Upper

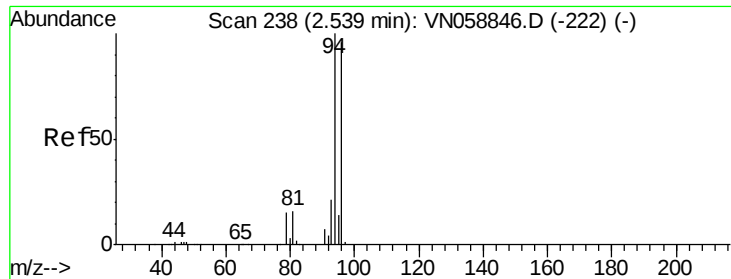
62 100

64 31.9 24.6 36.8



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





#5

Bromomethane

Concen: 20.681 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

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ClientSampleId :

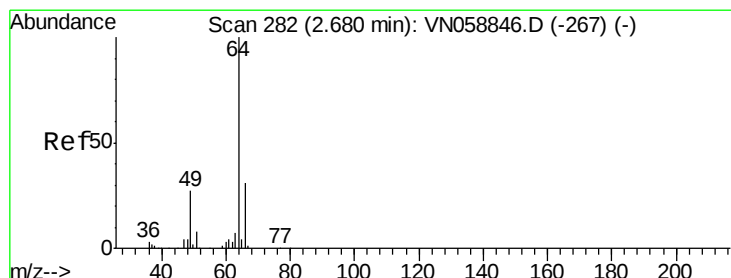
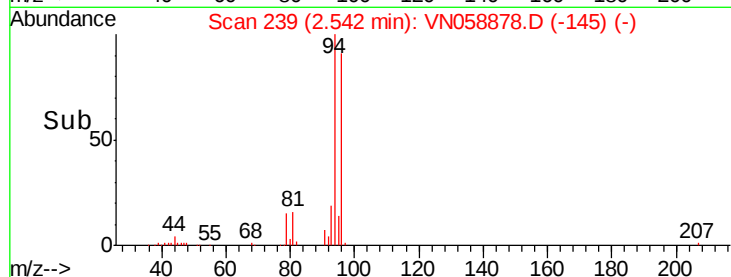
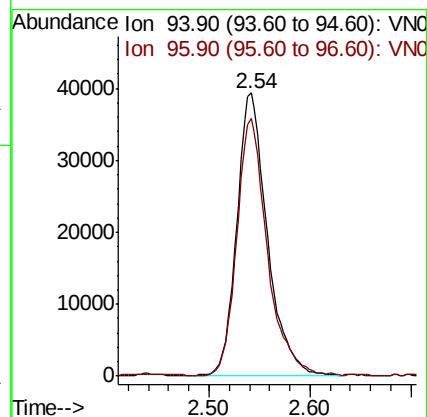
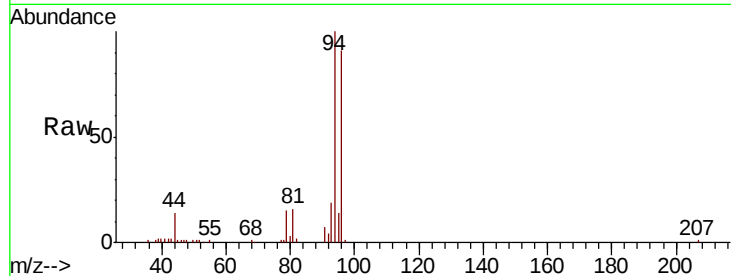
VN1021WBS01

Tot Ion: 94 Resp: 83103

Ion Ratio Lower Upper

94 100

96 90.9 77.0 115.6



#6

Chloroethane

Concen: 20.070 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058878.D

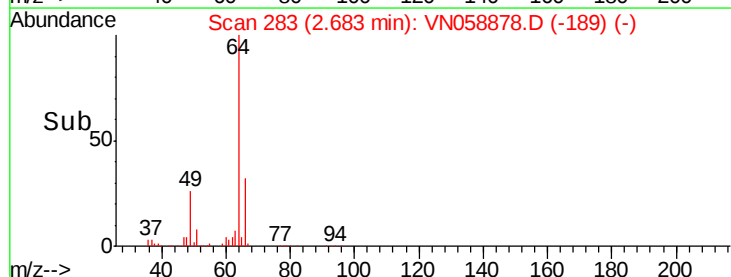
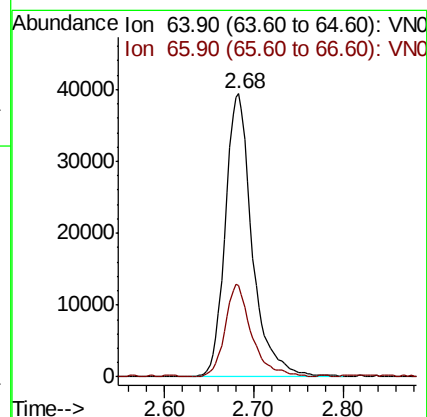
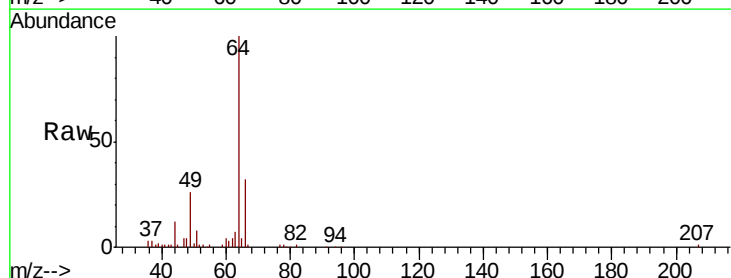
Acq: 21 Oct 2019 11:27

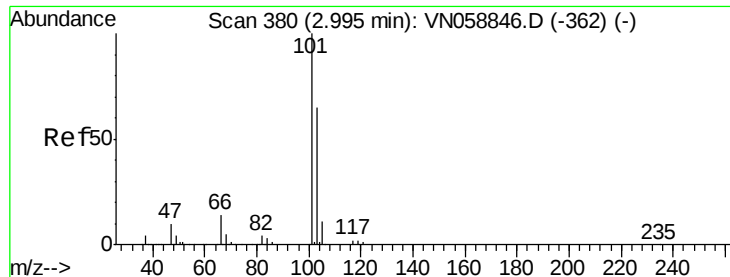
Tgt Ion: 64 Resp: 82587

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4



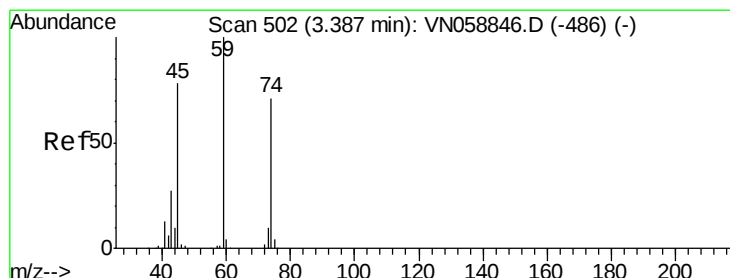
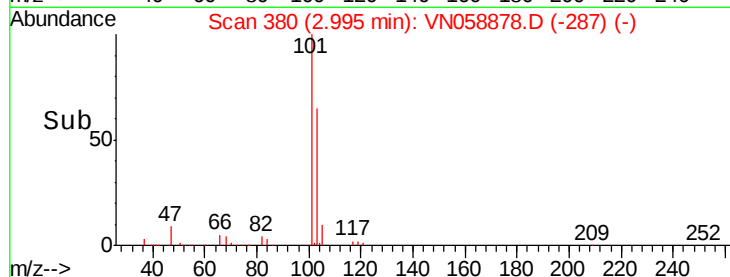
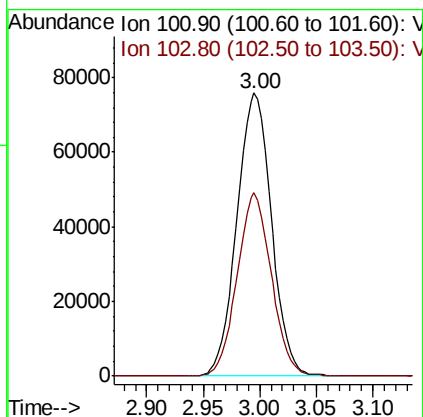
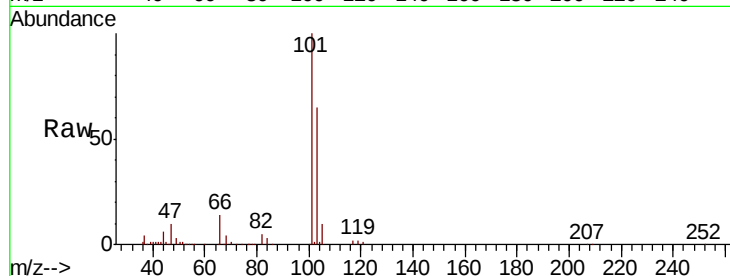


#7

Trichlorofluoromethane
 Concen: 20.399 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

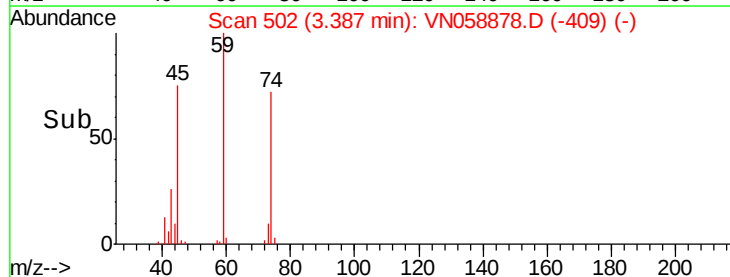
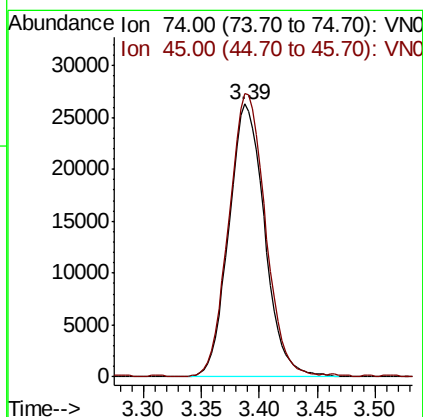
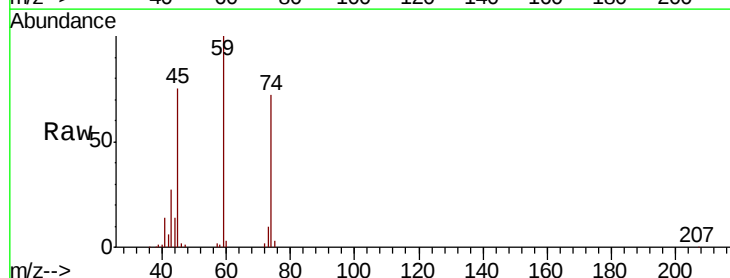
Tot Ion:101 Resp: 161962
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.2 78.2

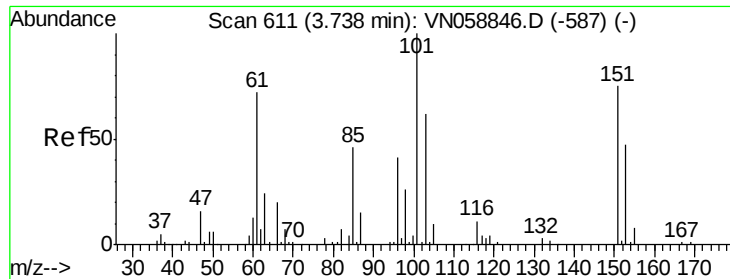


#8

Diethyl Ether
 Concen: 20.496 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion: 74 Resp: 56236
 Ion Ratio Lower Upper
 74 100
 45 106.4 54.9 164.5

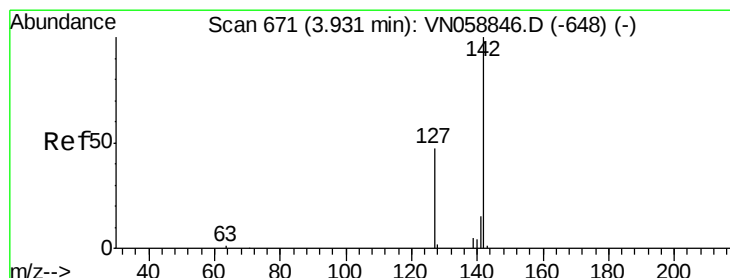
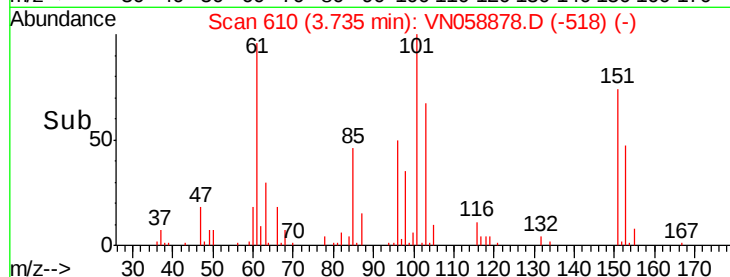
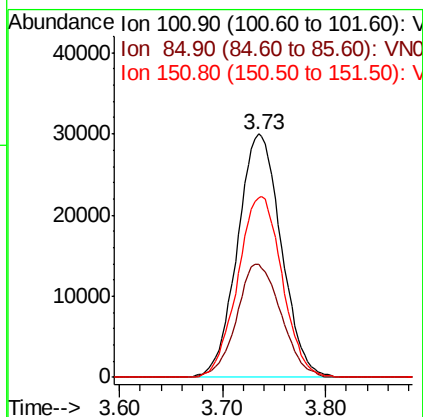
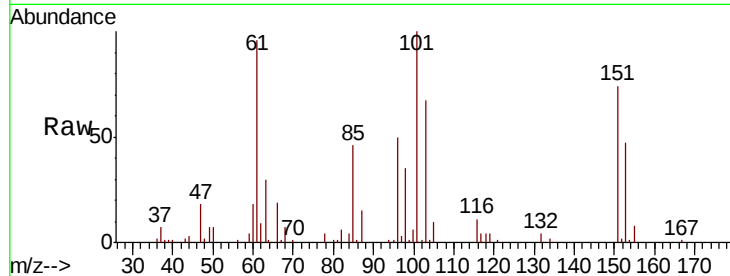




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.053 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058878.D
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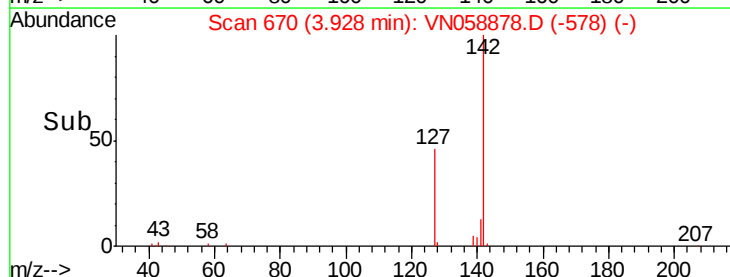
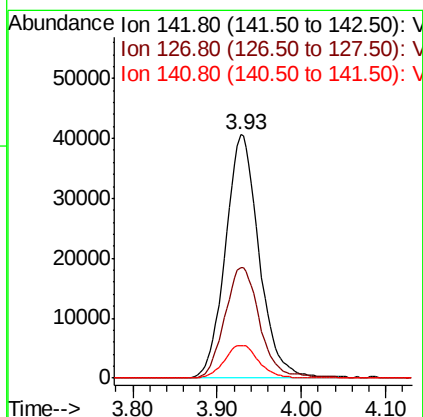
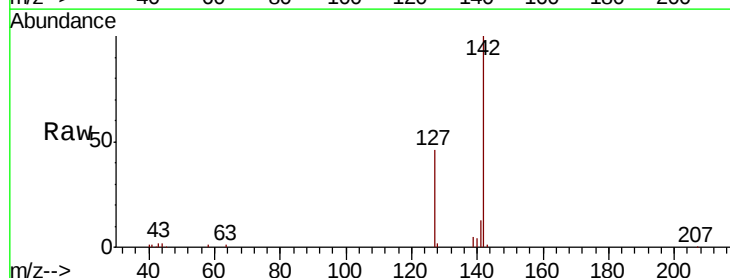
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

Tot Ion:101 Resp: 88263
 Ion Ratio Lower Upper
 101 100
 85 47.3 37.2 55.8
 151 75.3 59.9 89.9



#10
 Methyl Iodide
 Concen: 19.448 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion:142 Resp: 112583
 Ion Ratio Lower Upper
 142 100
 127 46.3 36.6 54.8
 141 13.8 11.4 17.2





#11

Tert butyl alcohol

Concen: 105.788 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

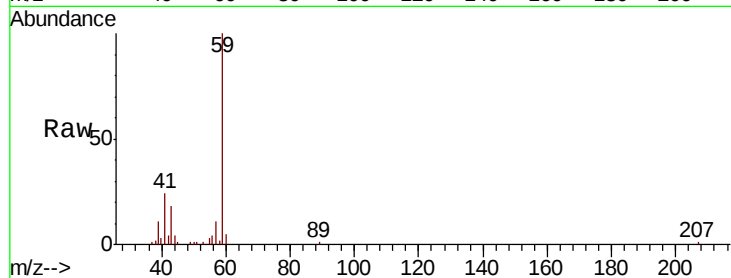
VN1021WBS01

Tot Ion: 59 Resp: 107756

Ion Ratio Lower Upper

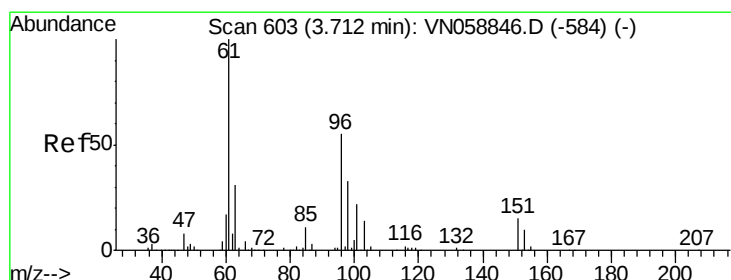
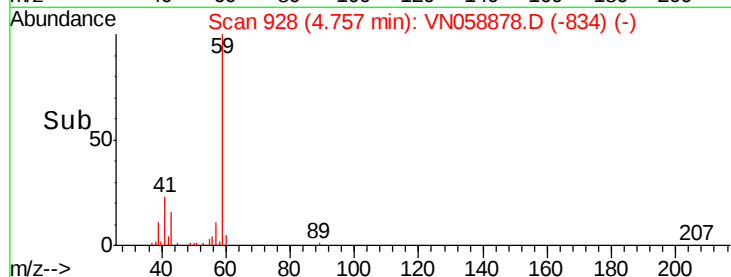
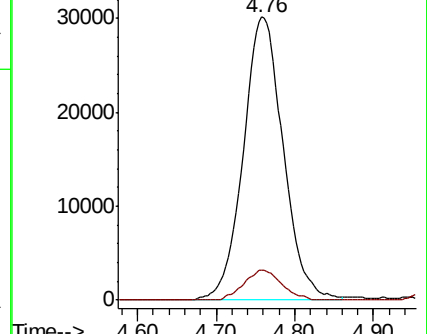
59 100

57 10.1 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 20.504 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

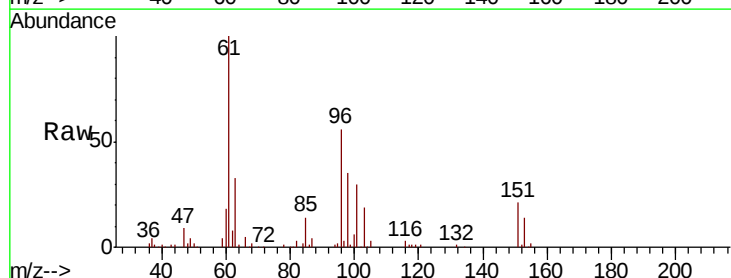
Tgt Ion: 96 Resp: 84595

Ion Ratio Lower Upper

96 100

61 177.3 146.2 219.2

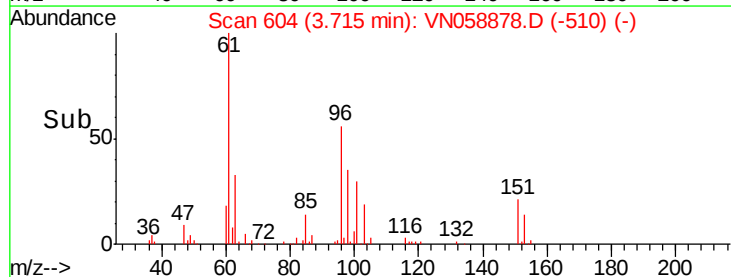
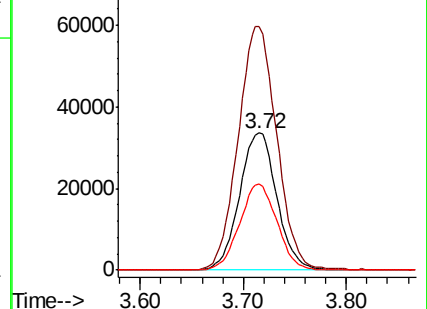
98 62.9 48.7 73.1

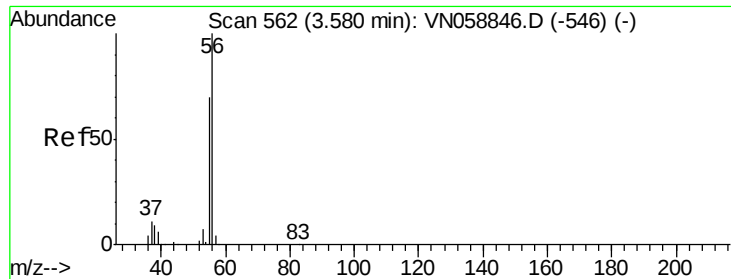


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 98.158 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

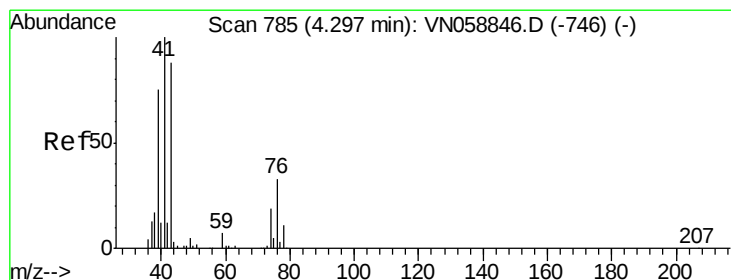
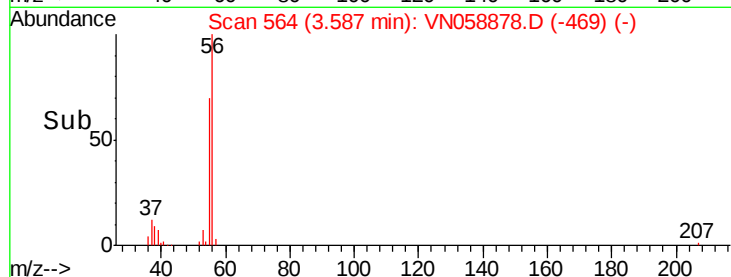
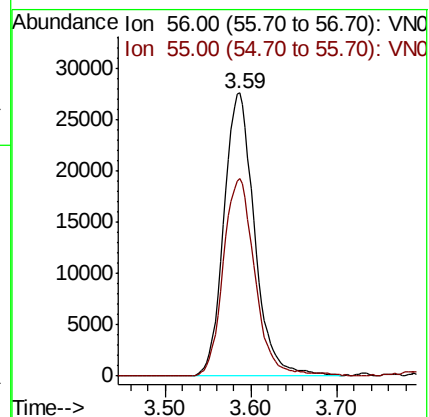
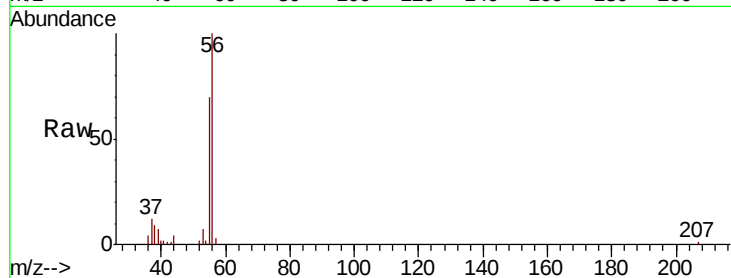
VN1021WBS01

Tot Ion: 56 Resp: 68700

Ion Ratio Lower Upper

56 100

55 71.7 56.6 85.0



#14

Allyl chloride

Concen: 20.429 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

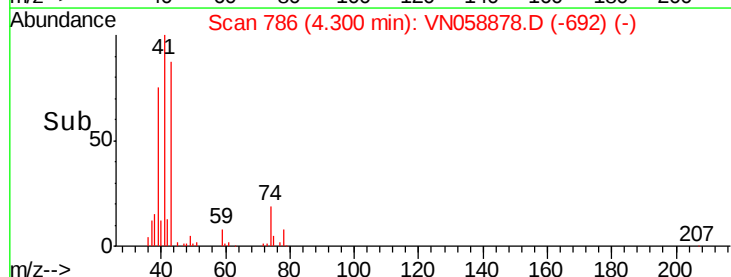
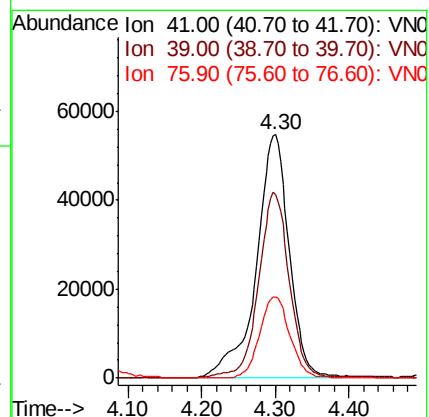
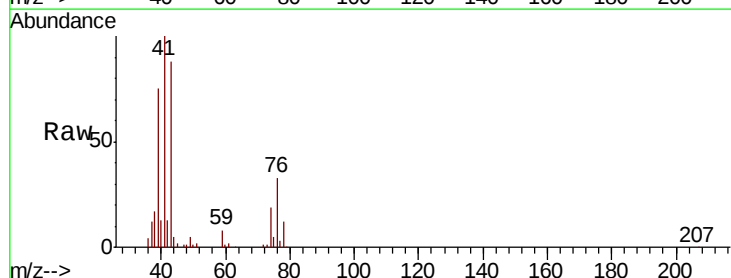
Tgt Ion: 41 Resp: 170557

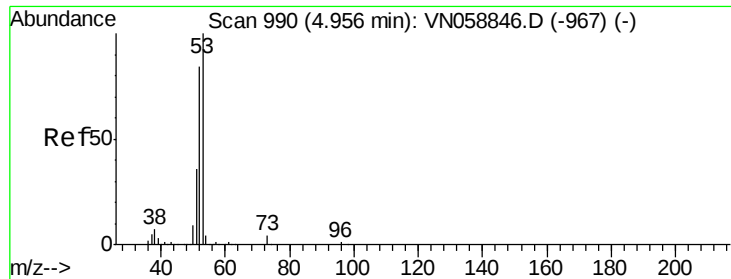
Ion Ratio Lower Upper

41 100

39 71.0 55.9 83.9

76 30.6 24.1 36.1





#15

Acrylonitrile

Concen: 105.497 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN1021WBS01

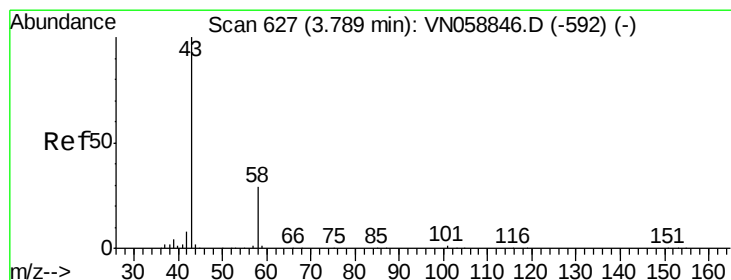
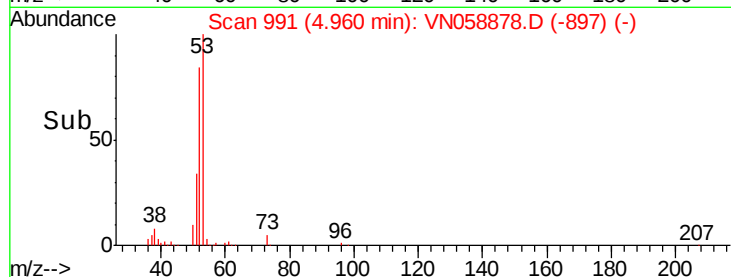
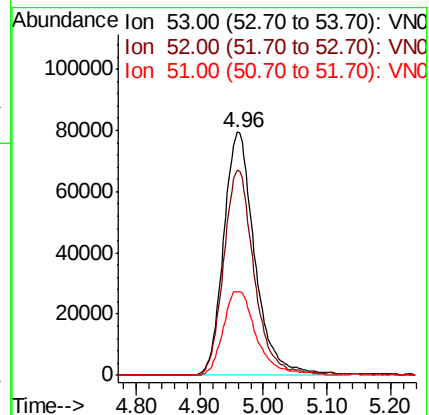
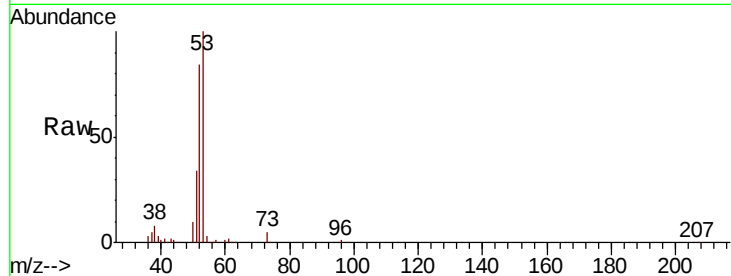
Tot Ion: 53 Resp: 270305

Ion Ratio Lower Upper

53 100

52 81.5 66.6 99.8

51 36.5 29.2 43.8



#16

Acetone

Concen: 95.138 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058878.D

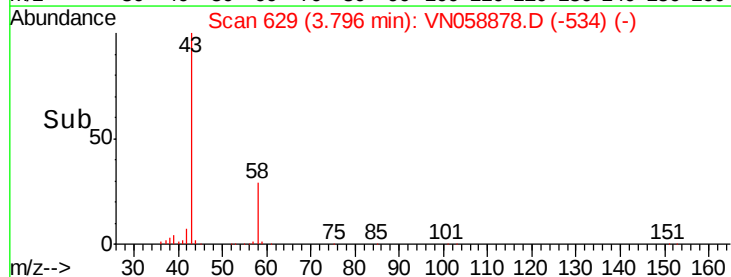
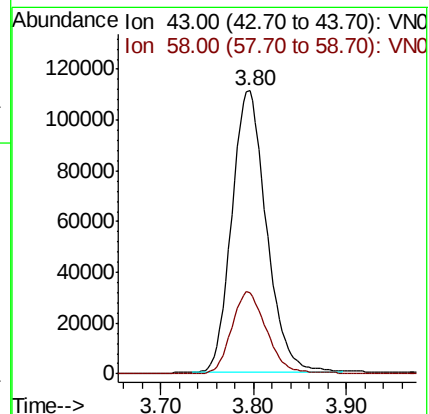
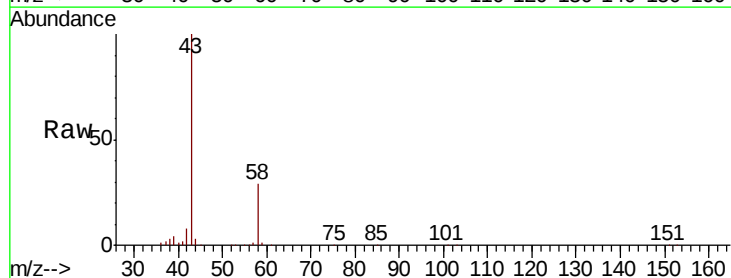
Acq: 21 Oct 2019 11:27

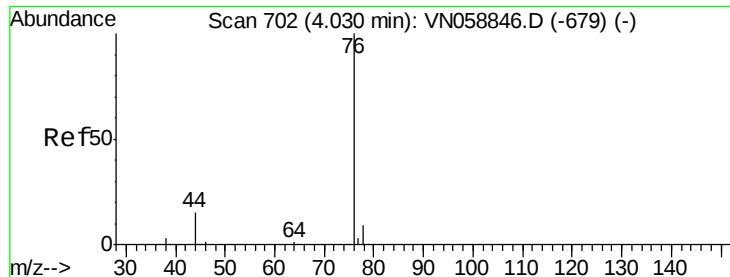
Tgt Ion: 43 Resp: 288566

Ion Ratio Lower Upper

43 100

58 28.9 23.1 34.7

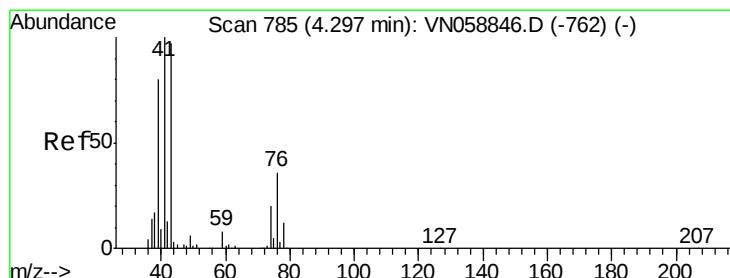
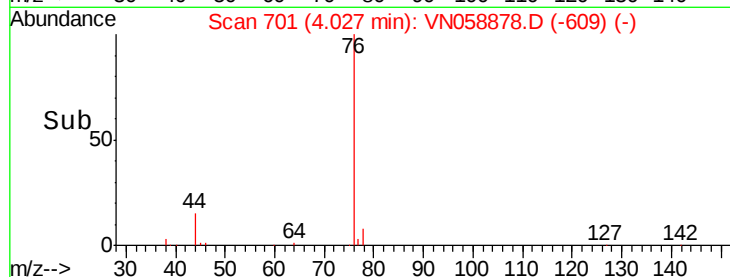
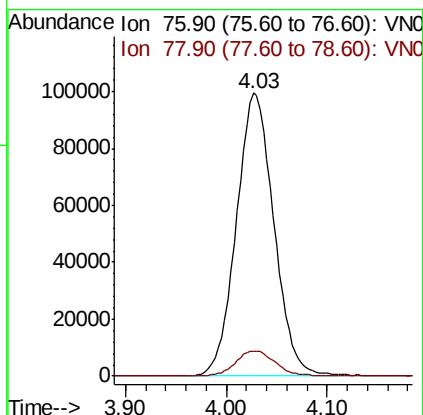
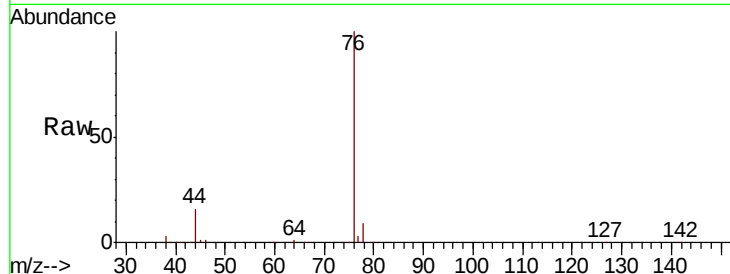




#17
Carbon Disulfide
Concen: 19.332 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

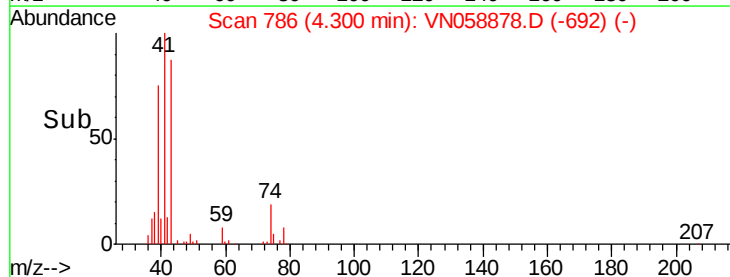
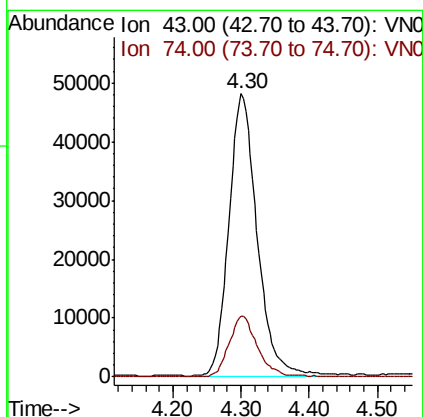
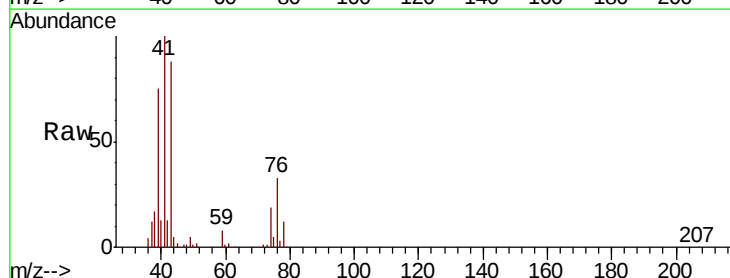
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

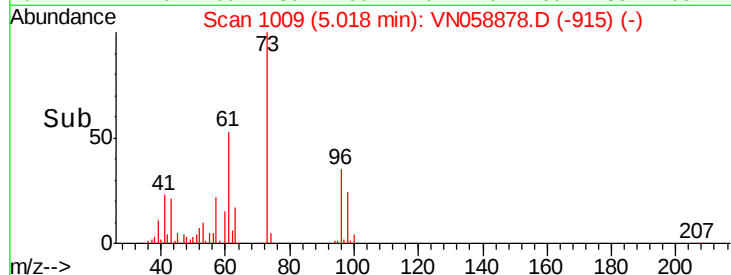
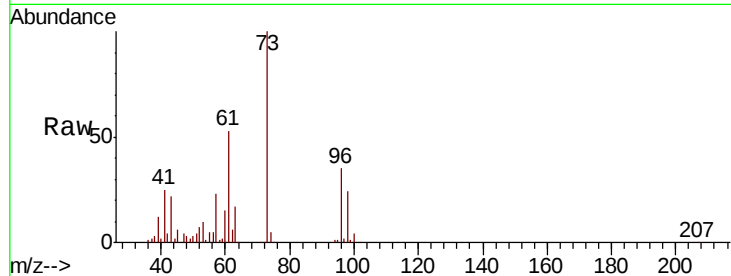
Tot Ion: 76 Resp: 256924
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 20.064 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 43 Resp: 138358
Ion Ratio Lower Upper
43 100
74 21.3 17.1 25.7

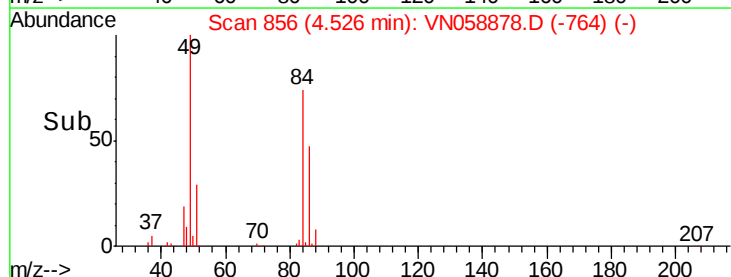
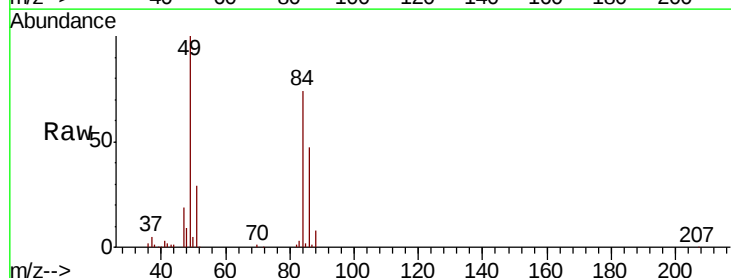
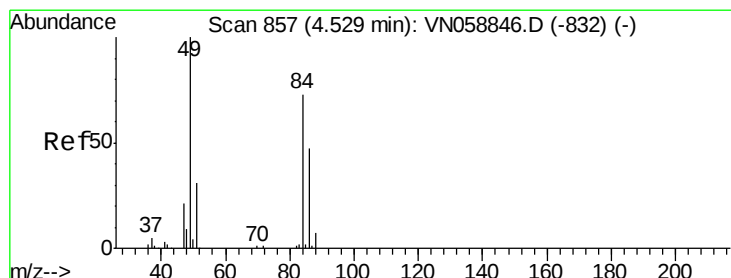
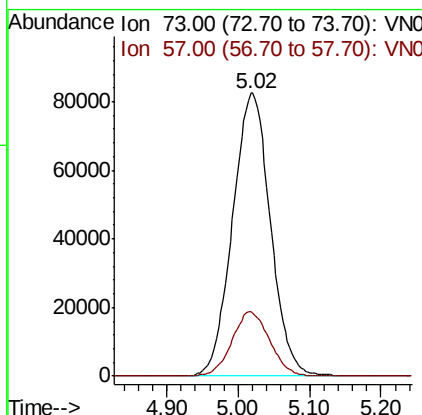




#19
Methyl tert-butyl Ether
Concen: 21.056 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

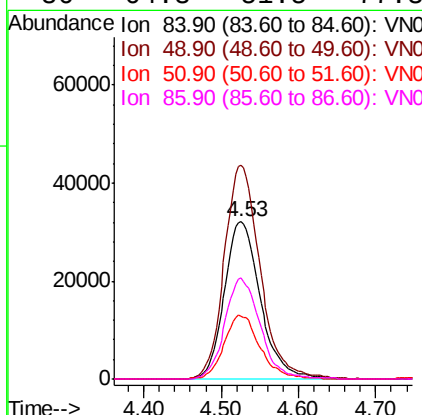
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tot Ion: 73 Resp: 304190
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 20.039 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 84 Resp: 103786
Ion Ratio Lower Upper
84 100
49 136.0 109.6 164.4
51 39.9 33.8 50.6
86 64.3 51.5 77.3

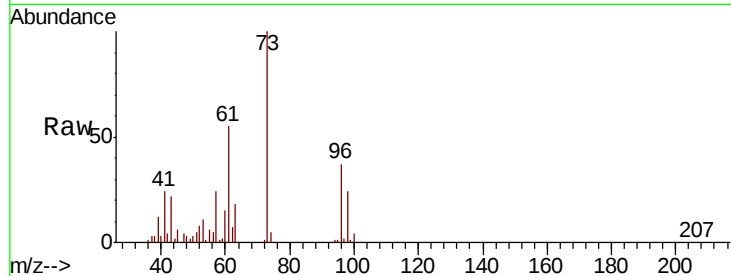




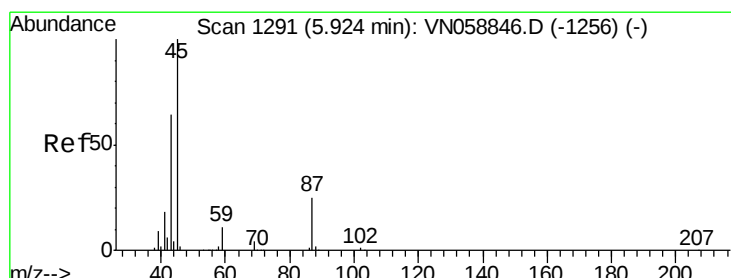
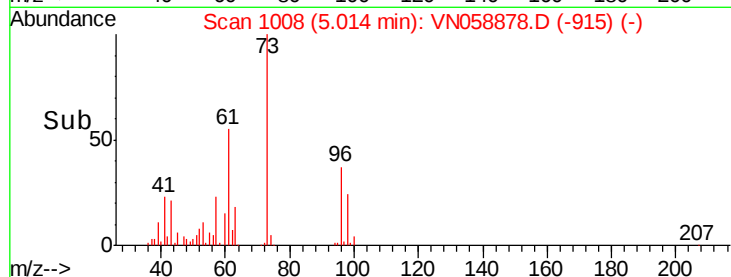
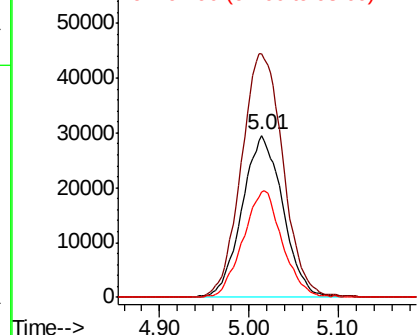
#21
trans-1,2-Dichloroethene
Concen: 20.616 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tot Ion: 96 Resp: 93934
Ion Ratio Lower Upper
96 100
61 150.4 126.7 190.1
98 64.9 52.0 78.0

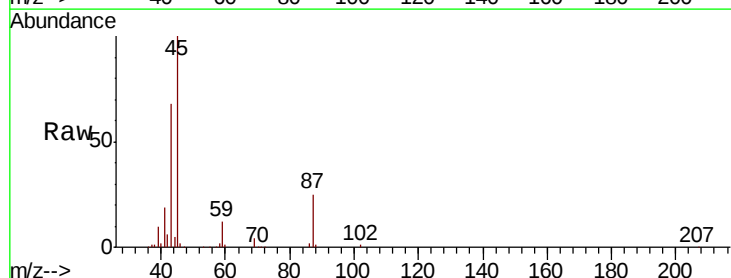


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

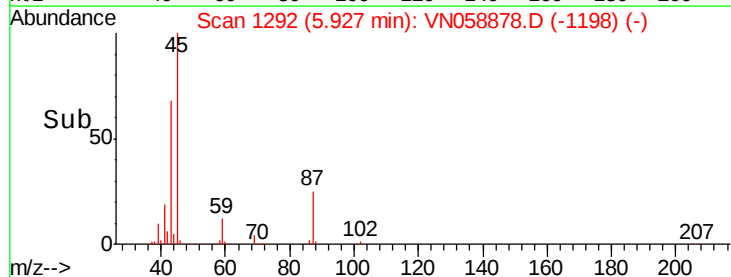
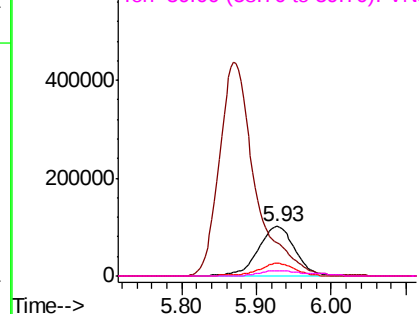


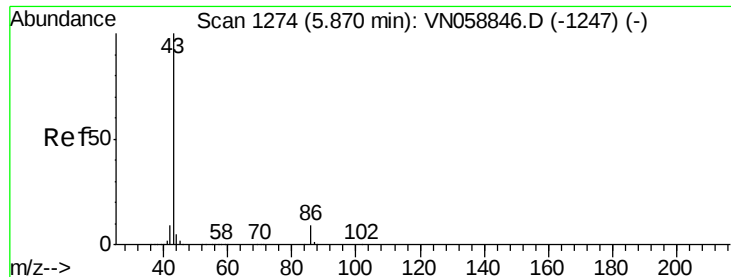
#22
Diisopropyl ether
Concen: 21.170 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 45 Resp: 345701
Ion Ratio Lower Upper
45 100
43 65.3 52.9 79.3
87 24.7 20.2 30.4
59 11.3 8.8 13.2



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





#23

Vinyl Acetate

Concen: 110.326 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

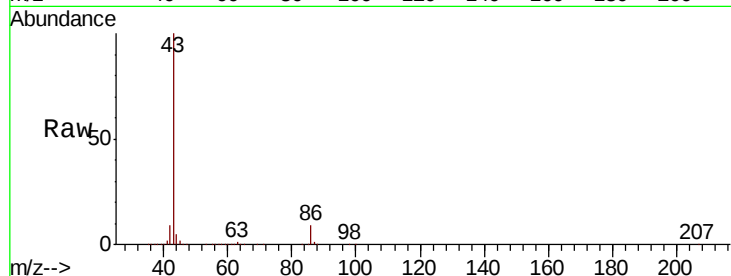
VN1021WBS01

Tot Ion: 43 Resp: 1447447

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)

5.87

400000

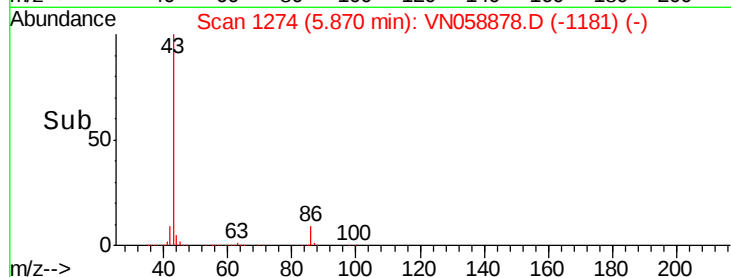
300000

200000

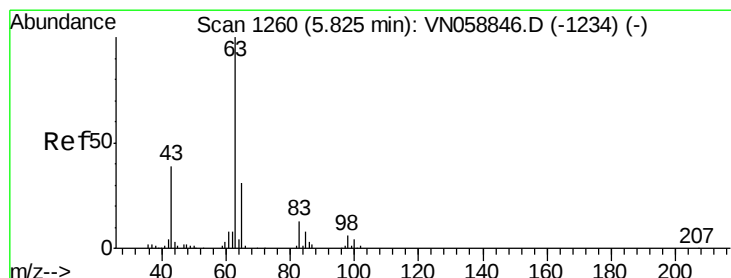
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 20.495 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

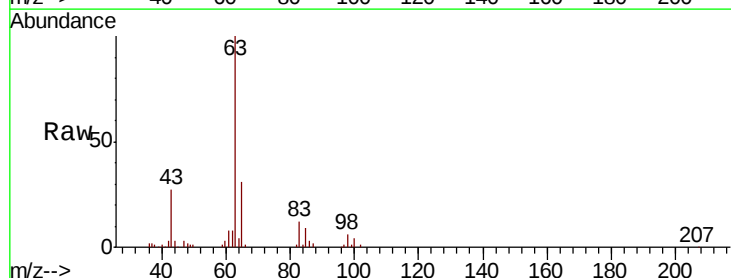
Tgt Ion: 63 Resp: 194059

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

5.82

80000

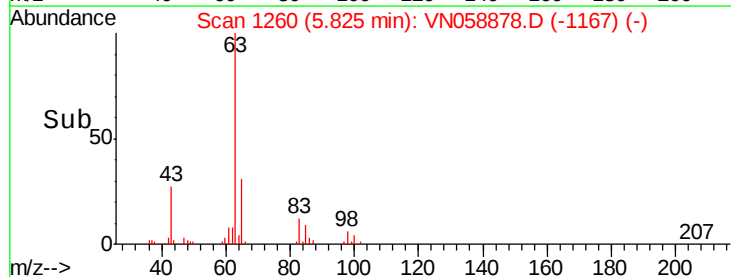
60000

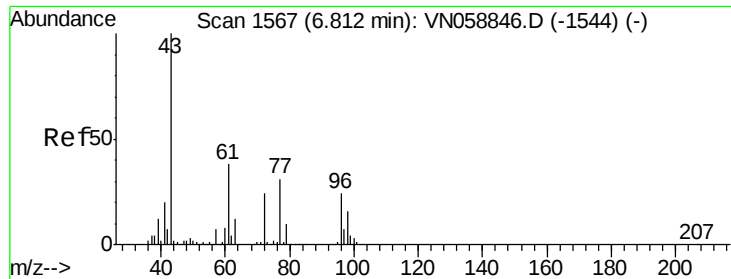
40000

20000

0

Time-->

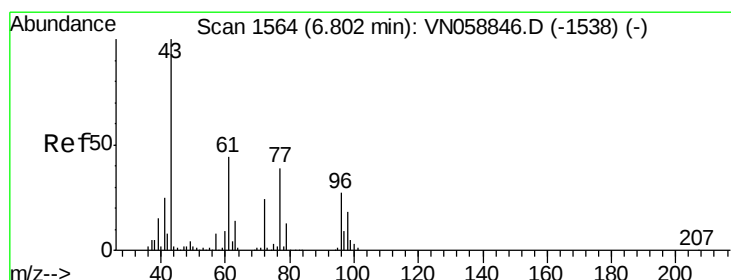
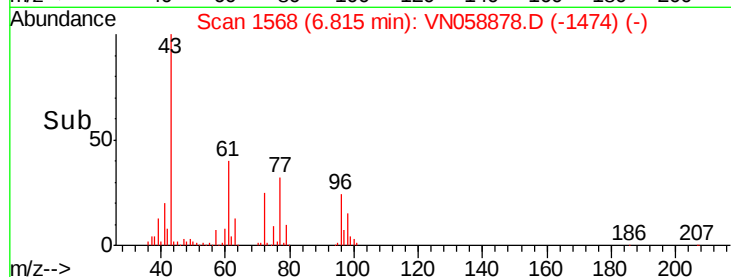
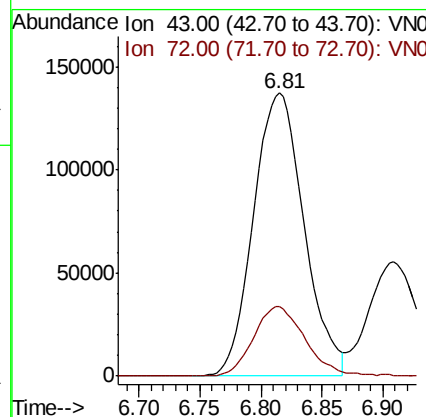
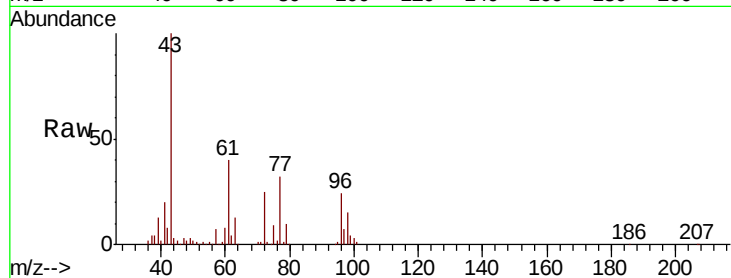




#25
2-Butanone
Concen: 99.911 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

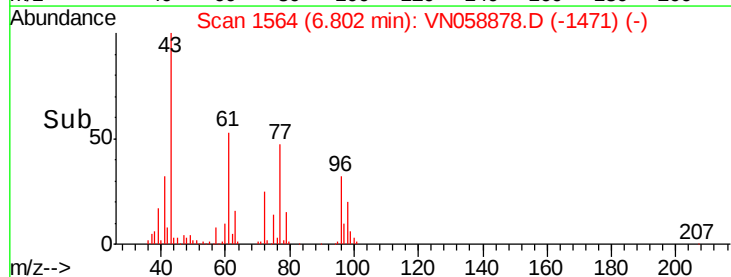
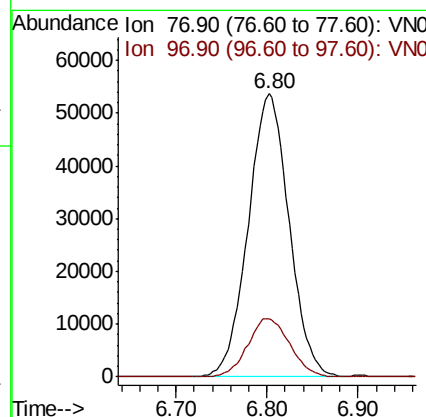
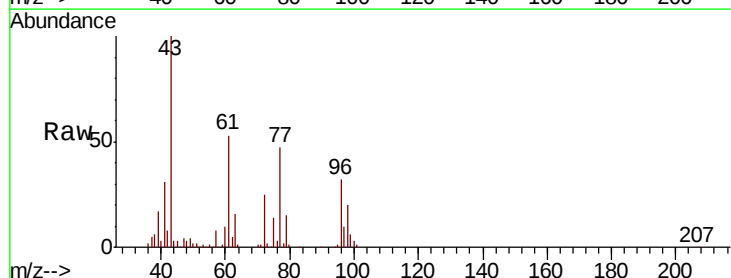
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

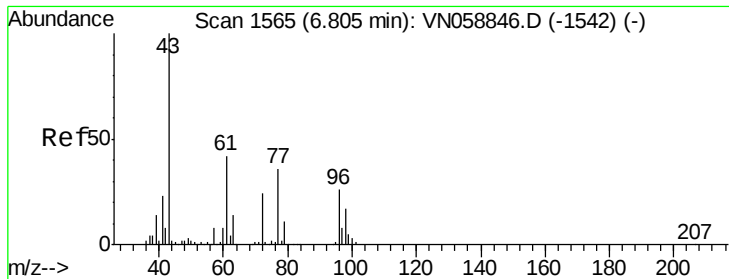
Tot Ion: 43 Resp: 393379
Ion Ratio Lower Upper
43 100
72 24.7 19.1 28.7



#26
2,2-Dichloropropane
Concen: 20.408 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 77 Resp: 167142
Ion Ratio Lower Upper
77 100
97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.265 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

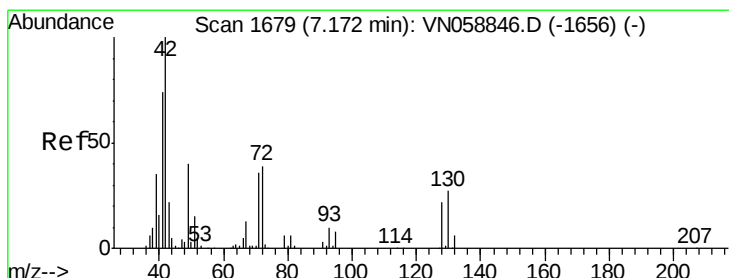
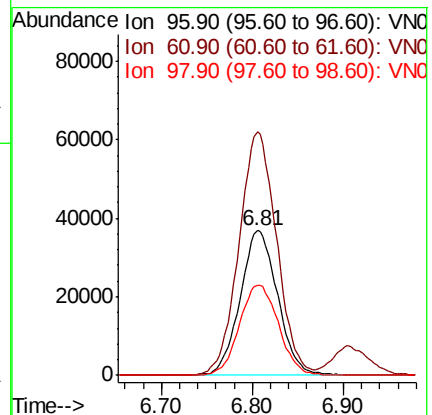
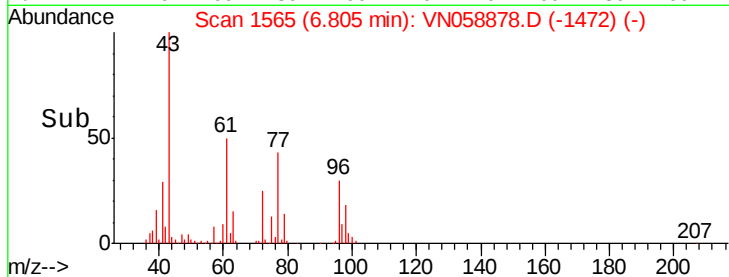
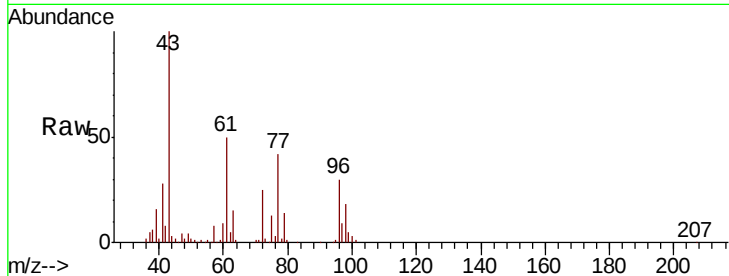
Tot Ion: 96 Resp: 105478

Ion Ratio Lower Upper

96 100

61 169.0 0.0 325.0

98 65.3 0.0 128.0



#28

Bromochloromethane

Concen: 20.022 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

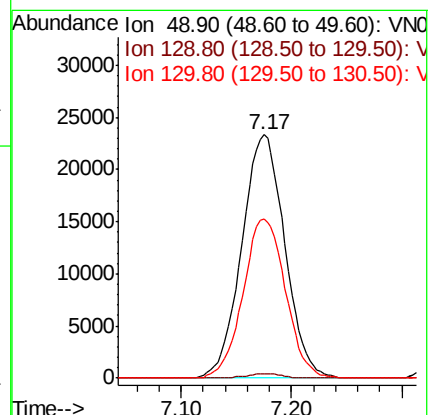
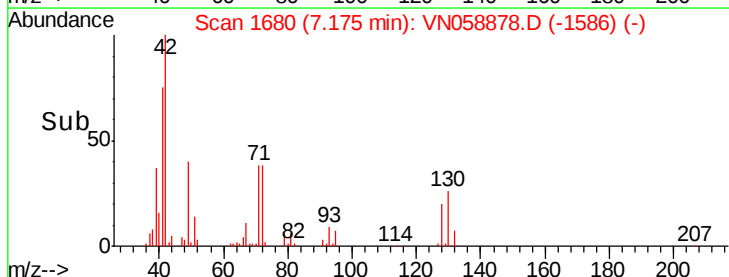
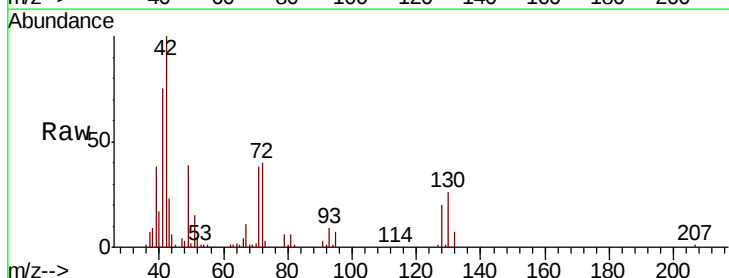
Tgt Ion: 49 Resp: 63137

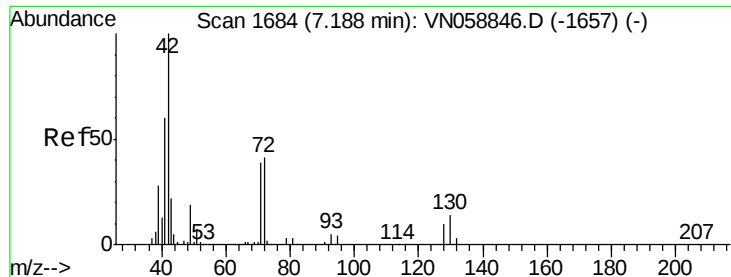
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.2

130 64.3 53.5 80.3





#29

Tetrahydrofuran

Concen: 105.329 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

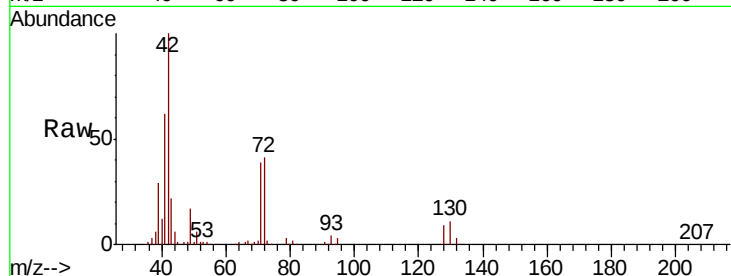
Tot Ion: 42 Resp: 253694

Ion Ratio Lower Upper

42 100

72 40.9 32.2 48.2

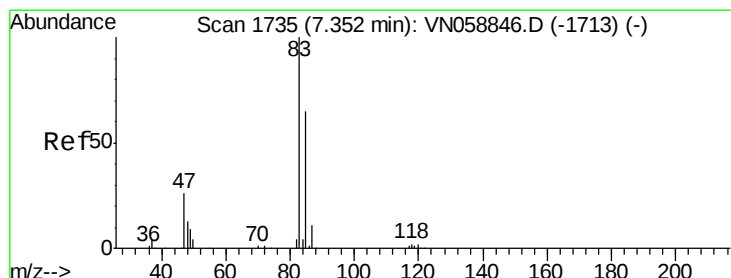
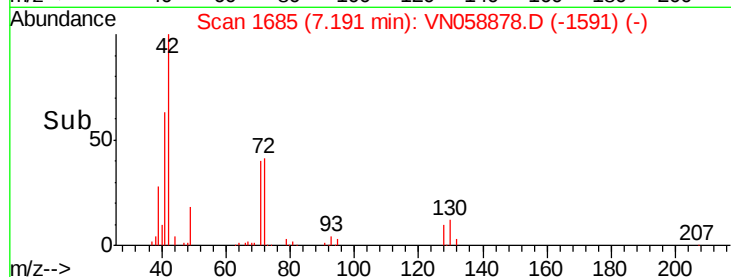
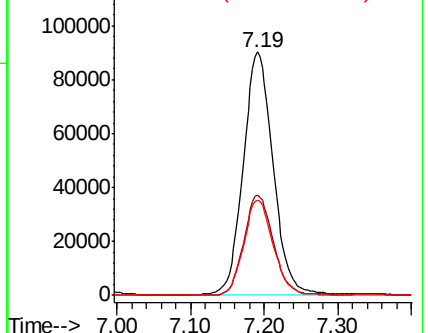
71 38.9 30.6 45.8



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: 19.907 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058878.D

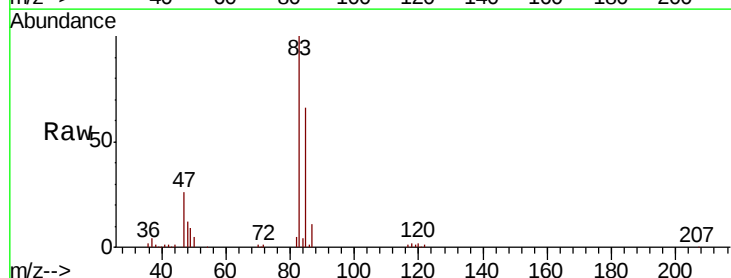
Acq: 21 Oct 2019 11:27

Tgt Ion: 83 Resp: 189082

Ion Ratio Lower Upper

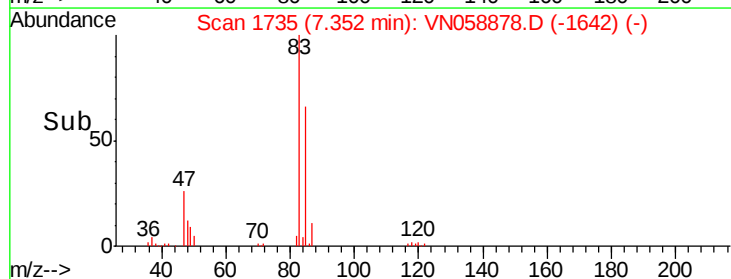
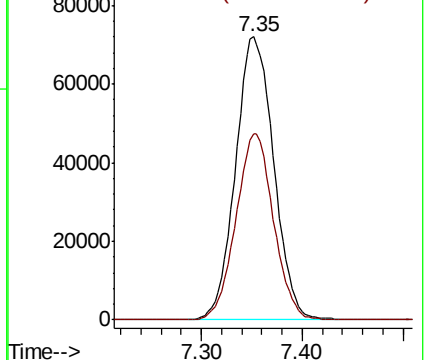
83 100

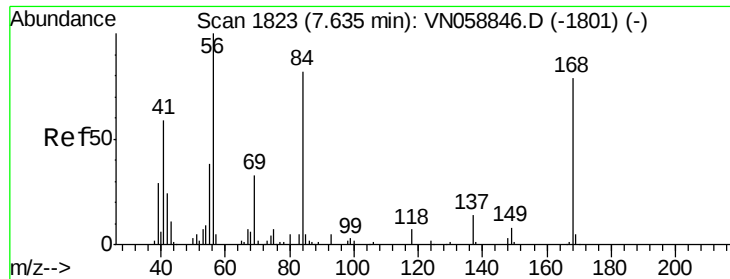
85 65.7 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

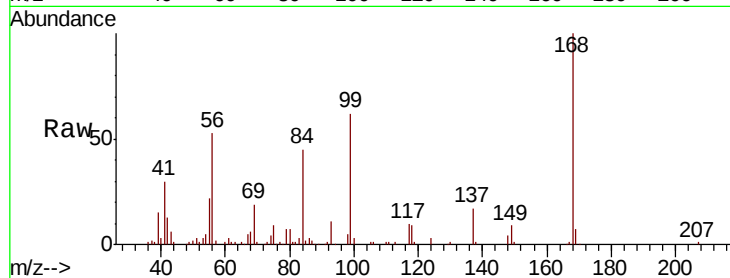




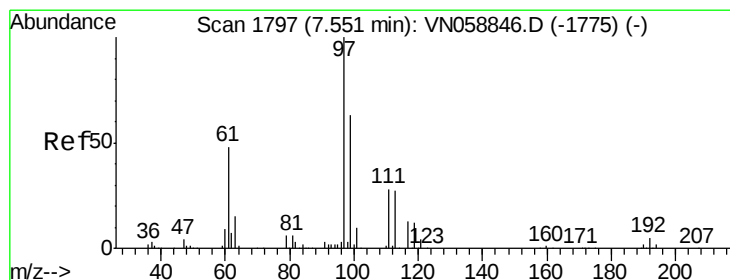
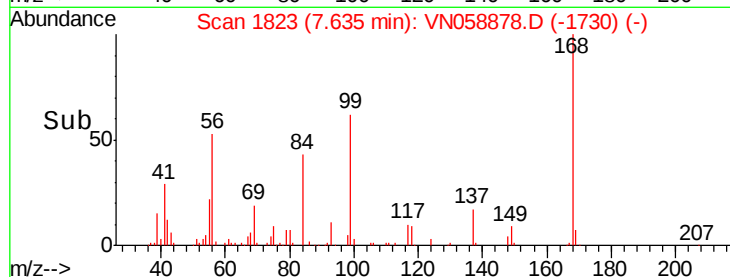
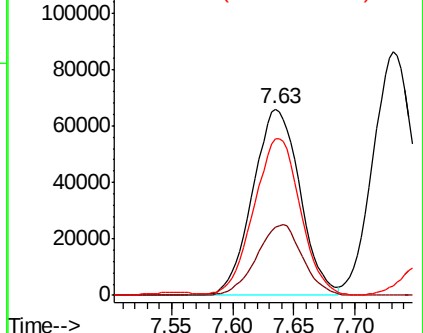
#31
Cyclohexane
Concen: 20.114 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tot Ion: 56 Resp: 177429
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.4
84 82.8 65.6 98.4

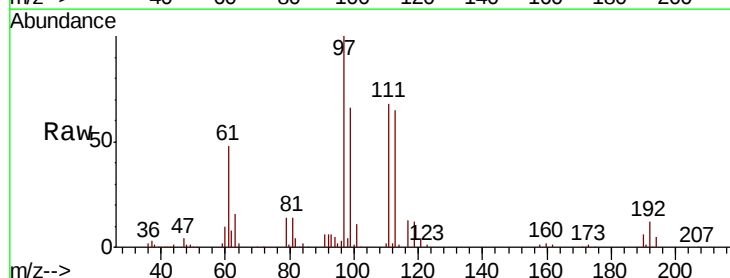


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

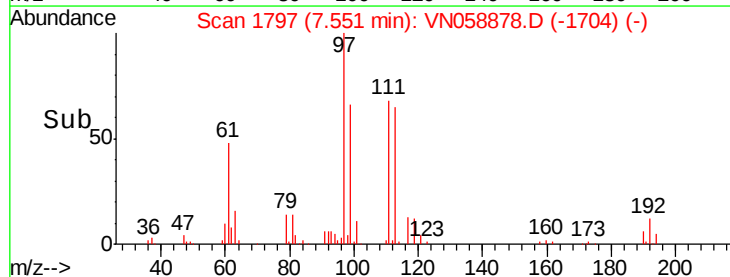
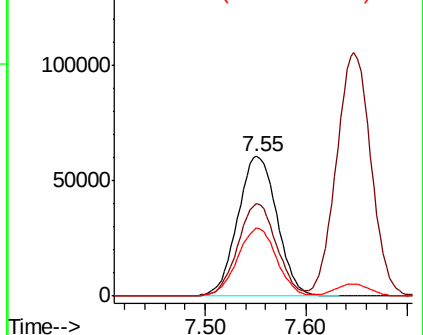


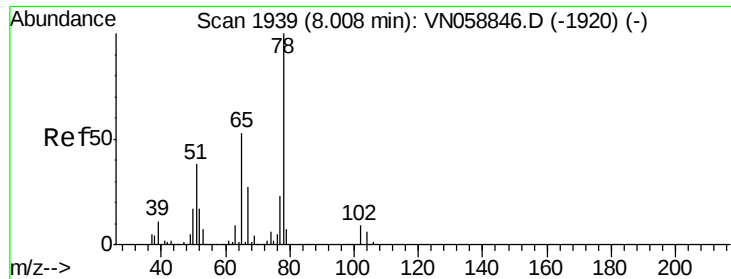
#32
1,1,1-Trichloroethane
Concen: 20.515 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 97 Resp: 164241
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 48.3 38.6 58.0



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

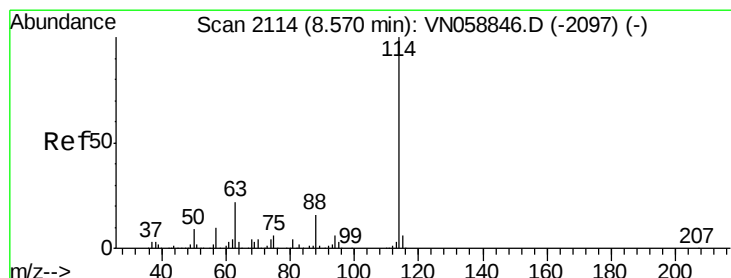
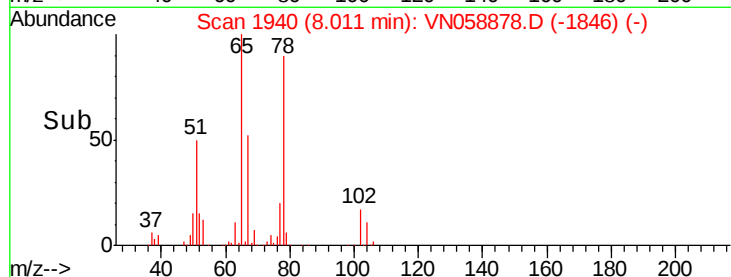
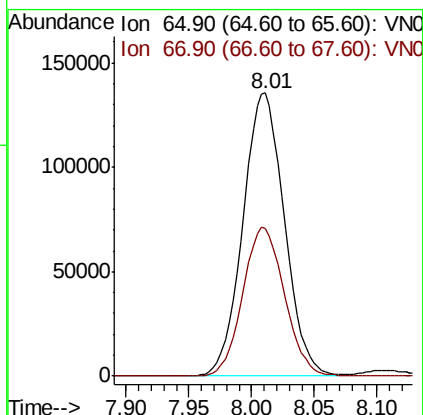
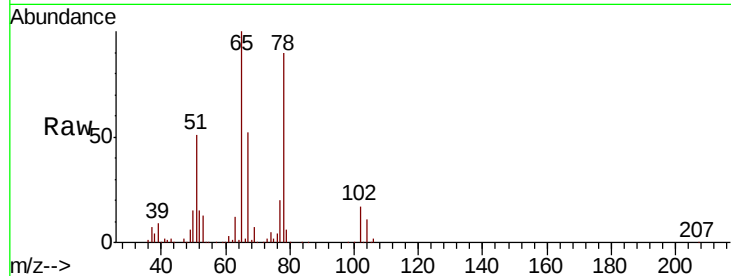




#33
 1,2-Dichloroethane-d4
 Concen: 50.753 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

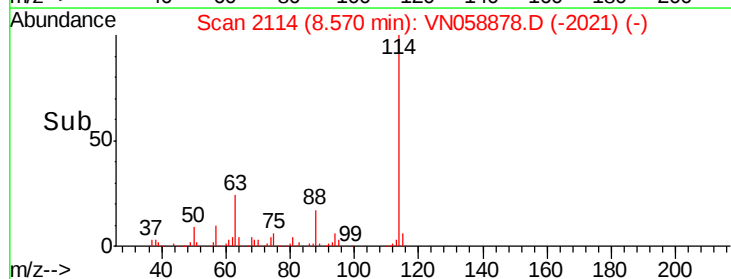
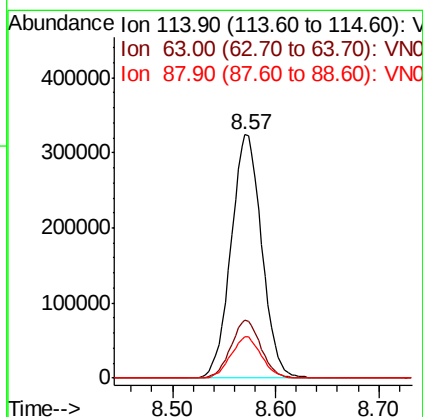
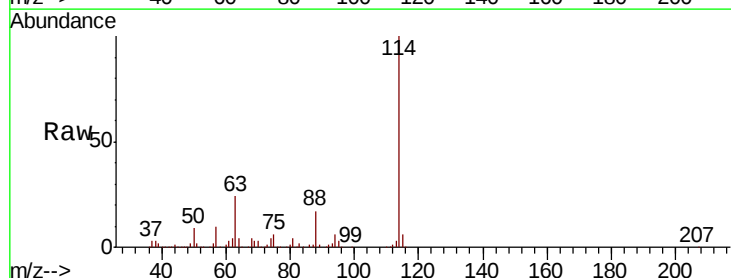
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

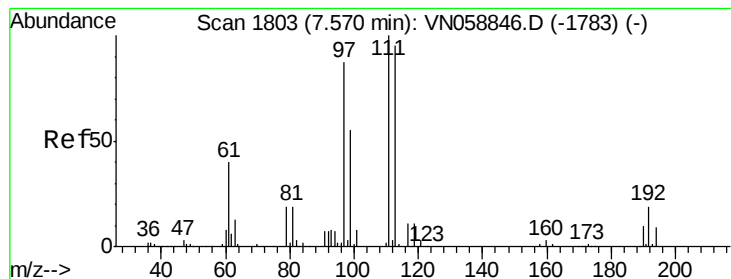
Tot Ion: 65 Resp: 311531
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion: 114 Resp: 673153
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 44.4
 88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.285 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

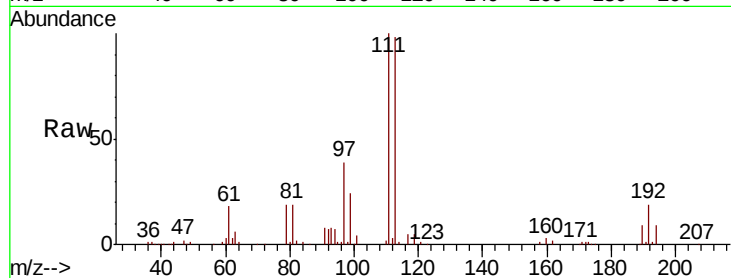
Tot Ion:113 Resp: 222551

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

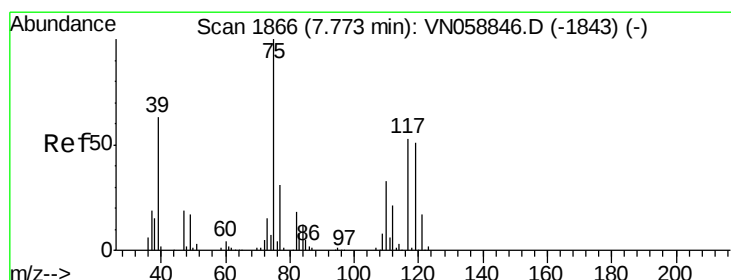
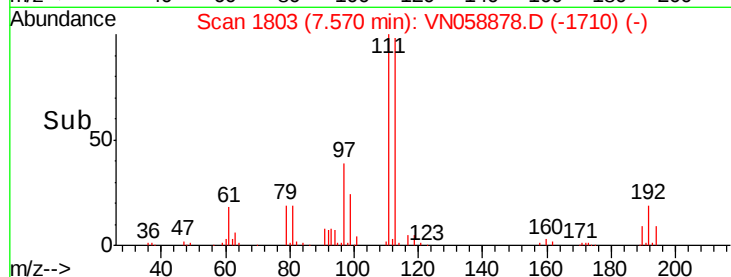
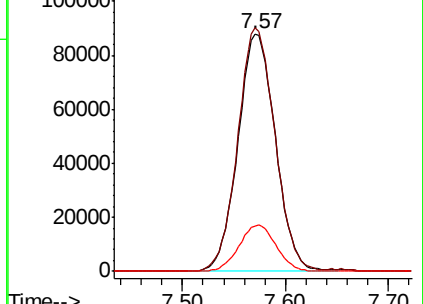
192 19.3 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.114 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

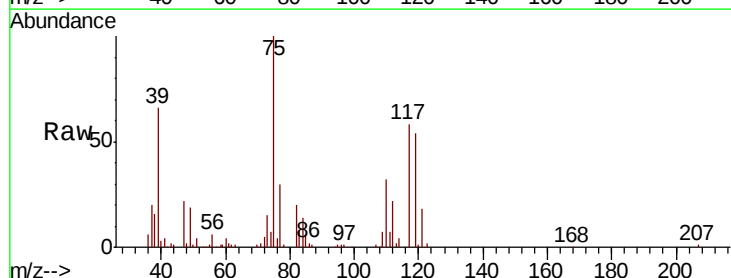
Tgt Ion: 75 Resp: 138618

Ion Ratio Lower Upper

75 100

110 32.5 16.3 48.9

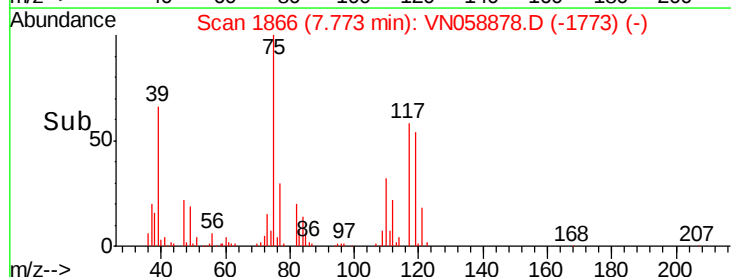
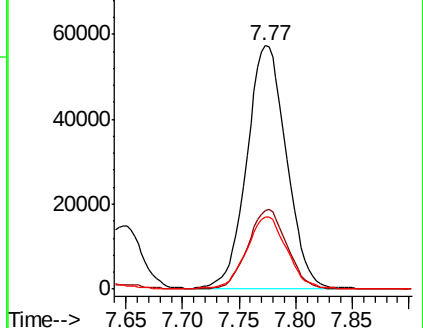
77 30.6 24.6 36.8

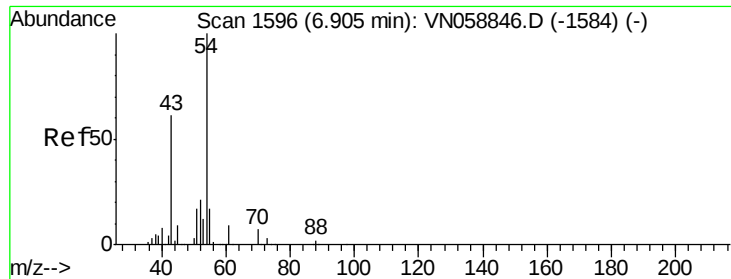


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

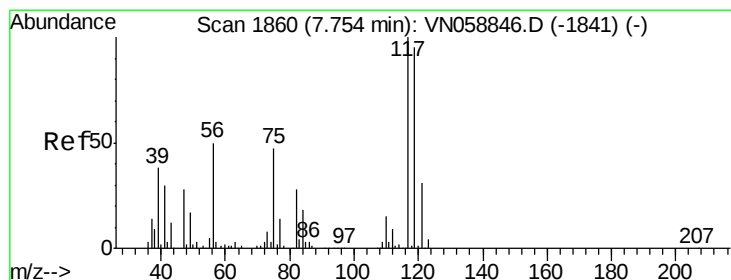
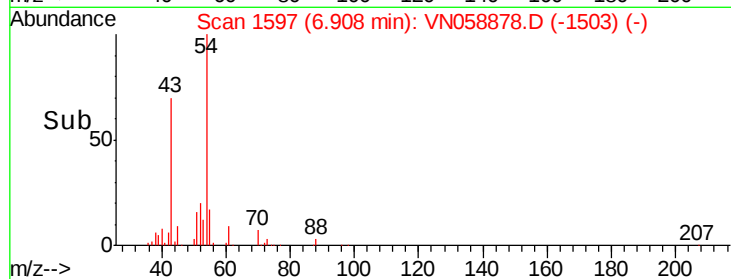
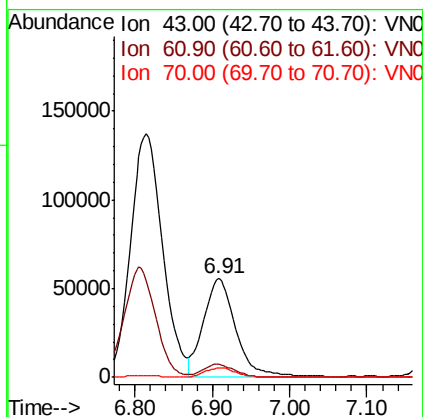
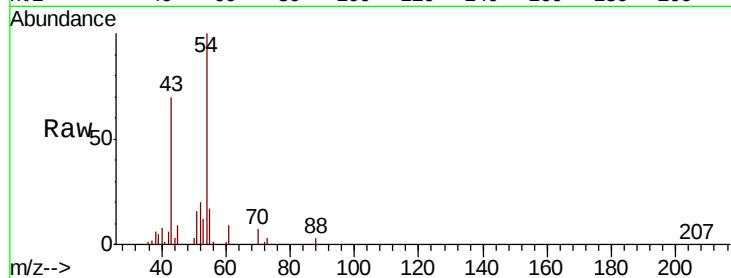




#37
Ethyl Acetate
Concen: 21.395 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

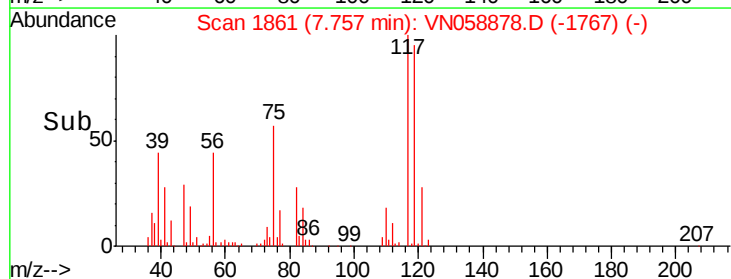
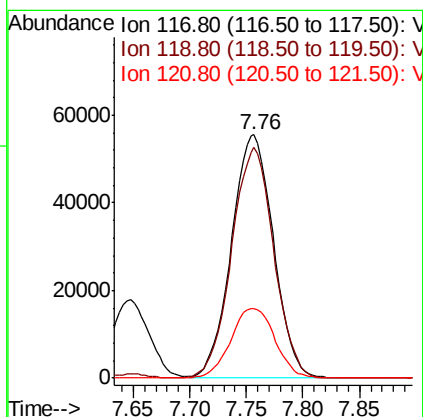
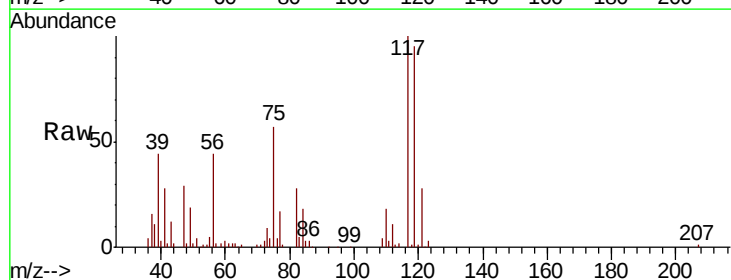
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

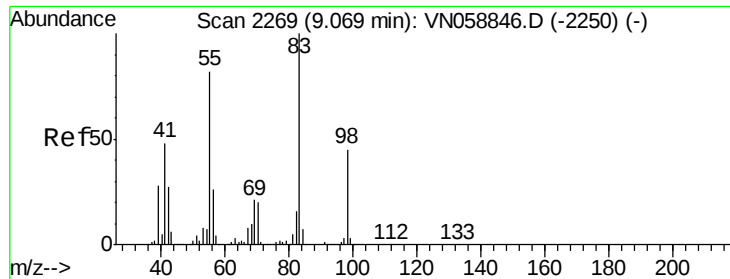
Tot Ion: 43 Resp: 160660
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.171 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 117 Resp: 143208
Ion Ratio Lower Upper
117 100
119 95.0 75.7 113.5
121 28.5 25.0 37.6

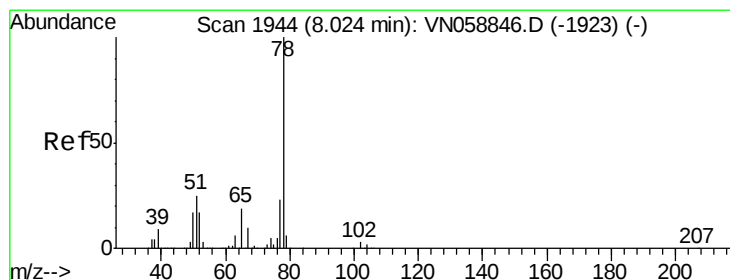
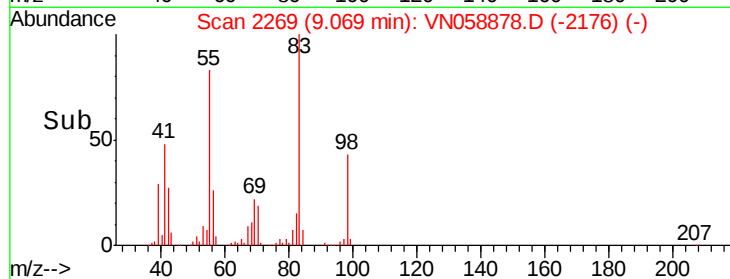
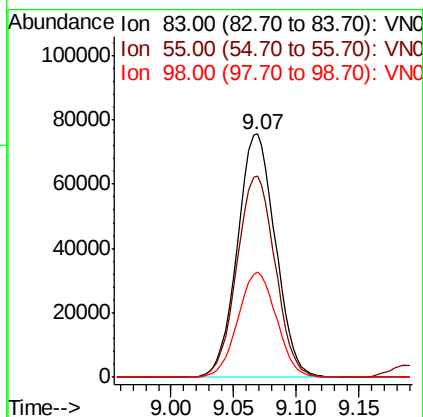
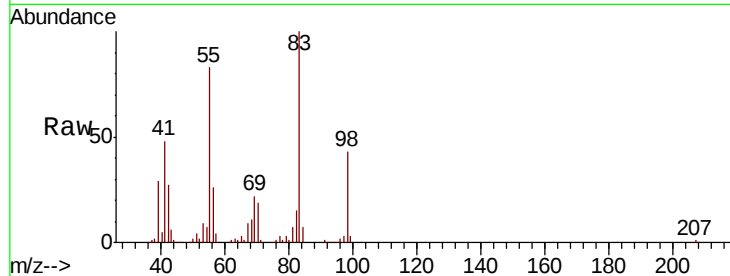




#39
Methvlcvclohexane
Concen: 20.533 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

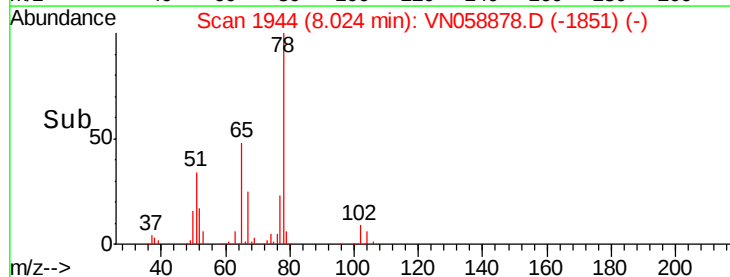
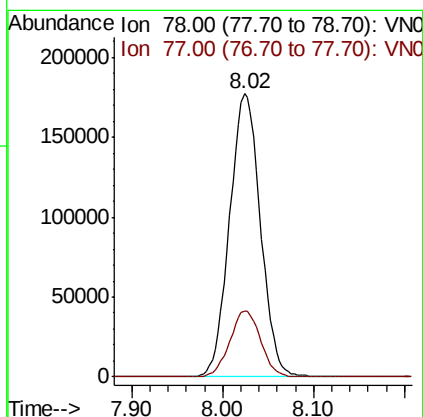
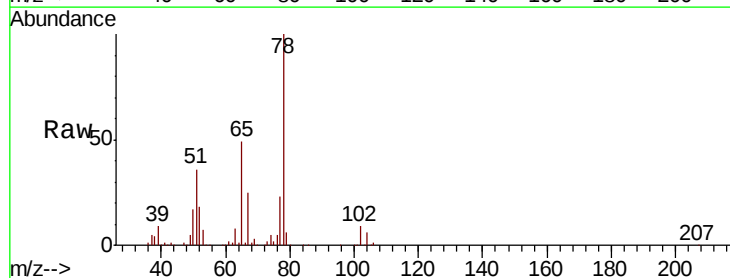
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

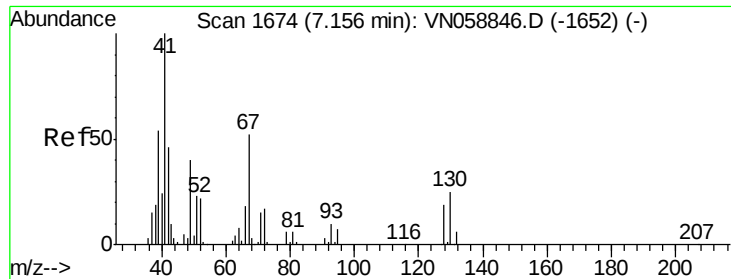
Tot Ion: 83 Resp: 158893
Ion Ratio Lower Upper
83 100
55 82.7 65.5 98.3
98 43.4 35.7 53.5



#40
Benzene
Concen: 20.622 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 78 Resp: 417333
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

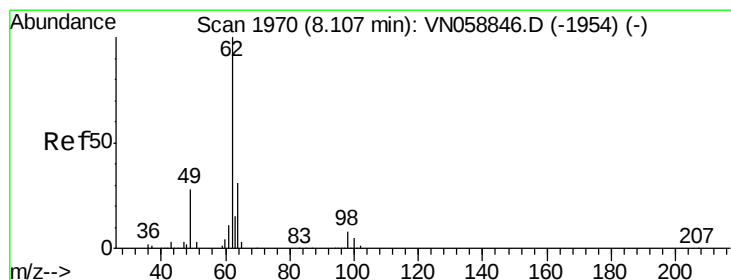
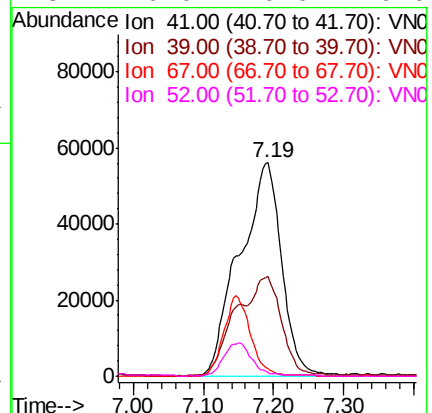
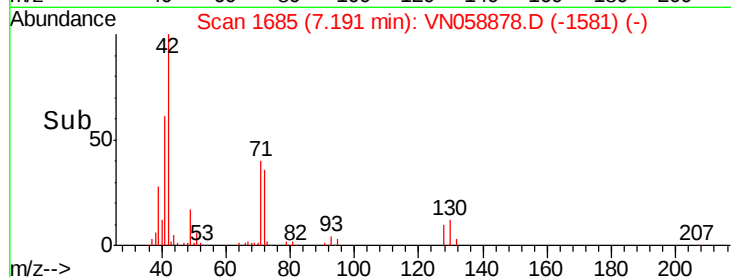
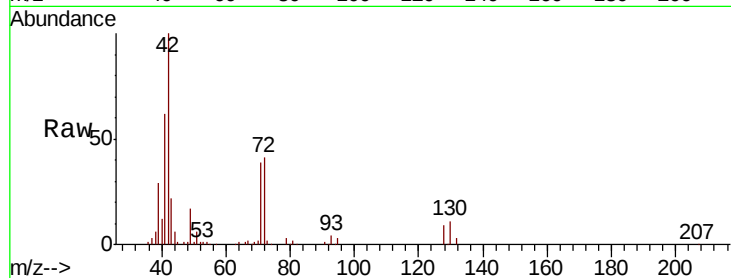




#41
Methacrylonitrile
Concen: 69.821 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

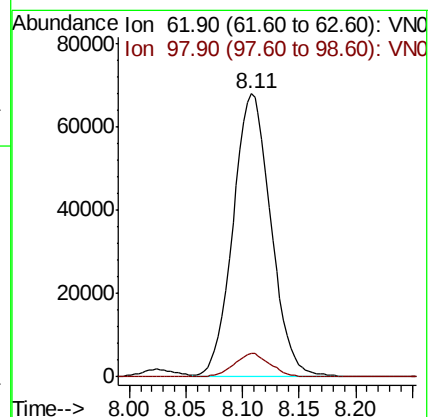
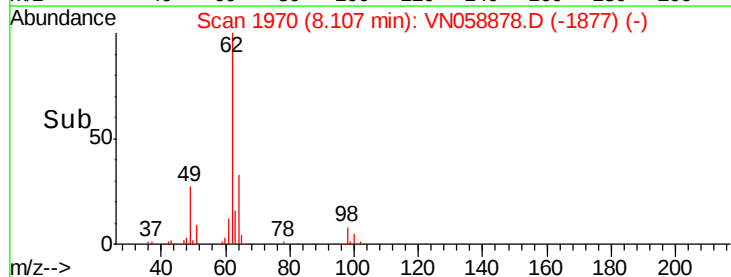
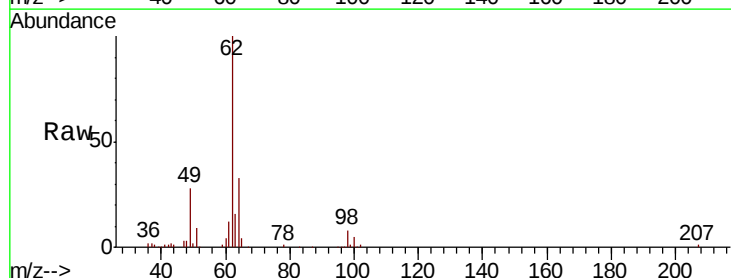
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

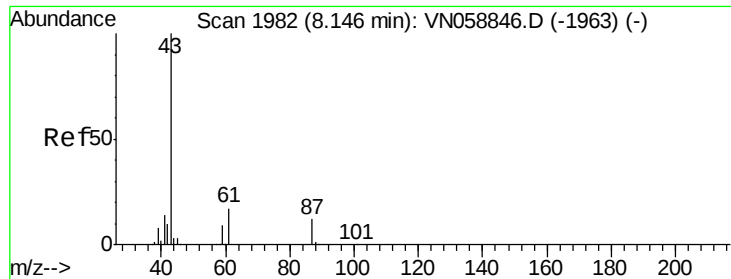
Tot Ion:	41	Resp:	233516
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.182 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion:	62	Resp:	157329
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



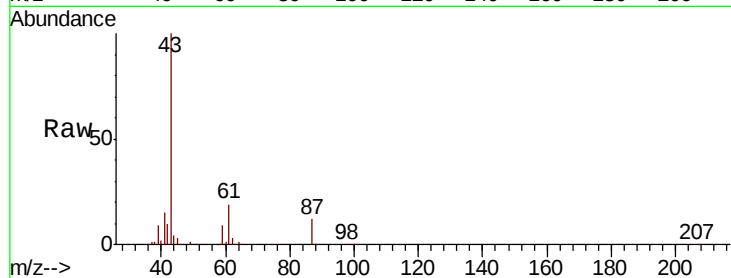


#43

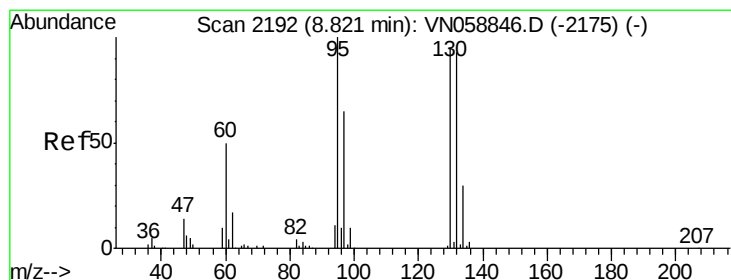
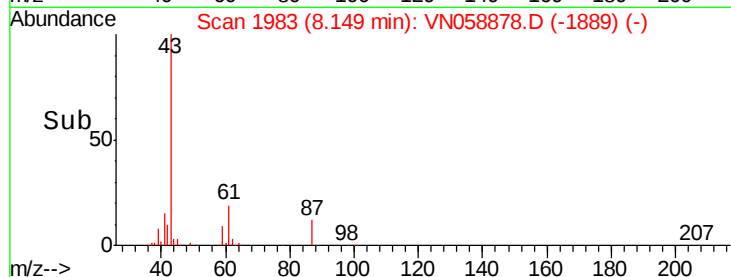
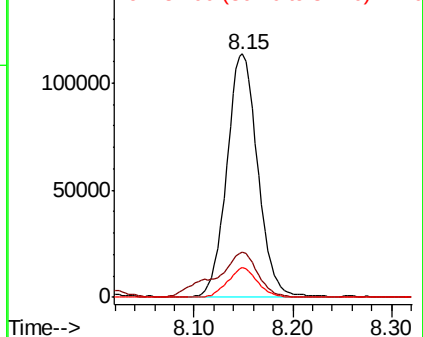
Isopropyl Acetate
 Concen: 20.451 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

Tot Ion	43	Resp	246298
Ion Ratio	Lower	Upper	
43	100		
61	25.8	20.2	30.2
87	11.7	9.5	14.3



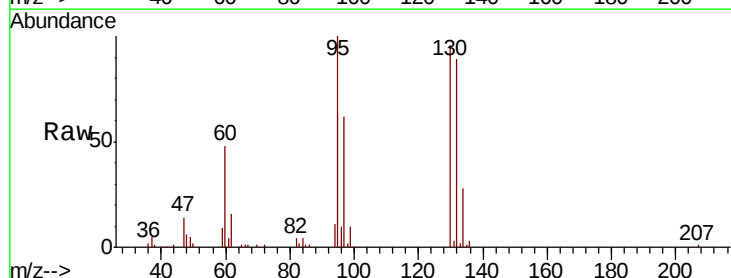
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



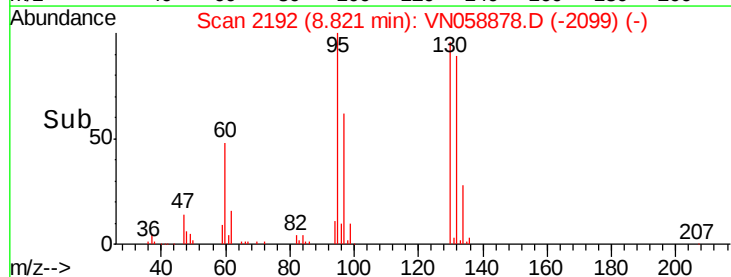
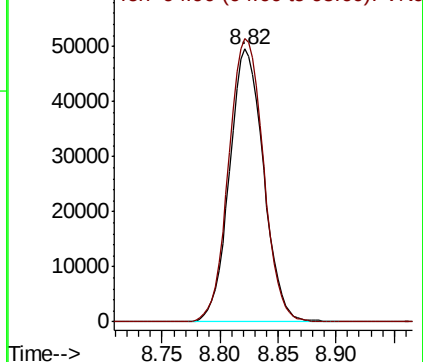
#44

Trichloroethene
 Concen: 20.523 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion	130	Resp	101173
Ion Ratio	Lower	Upper	
130	100		
95	103.7	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.503 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

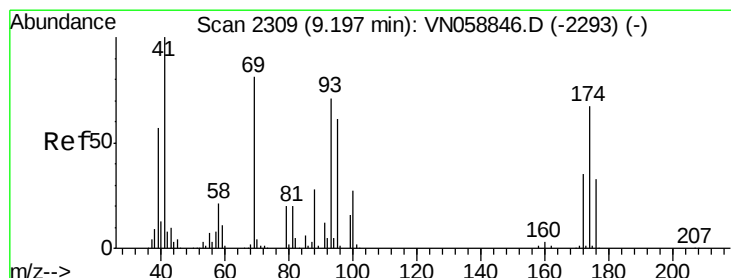
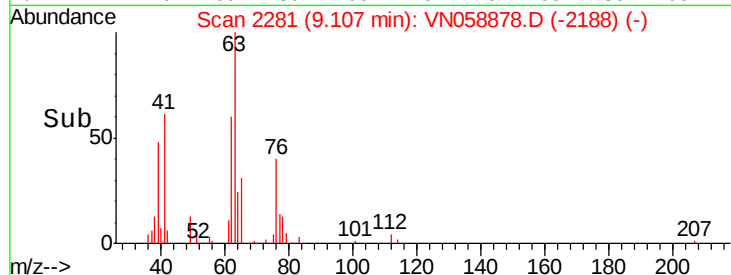
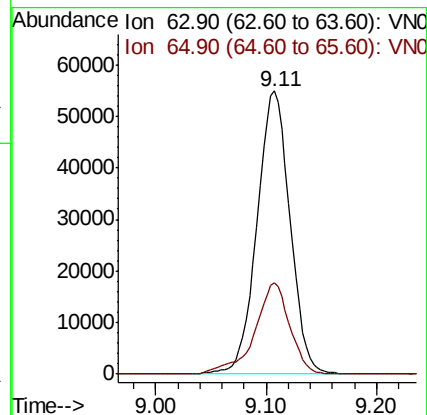
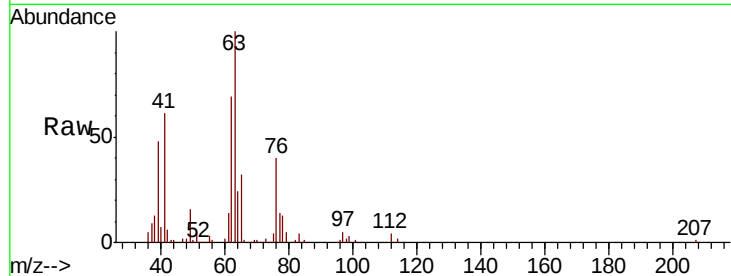
VN1021WBS01

Tot Ion: 63 Resp: 113776

Ion Ratio Lower Upper

63 100

65 32.2 24.5 36.7



#46

Dibromomethane

Concen: 20.677 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

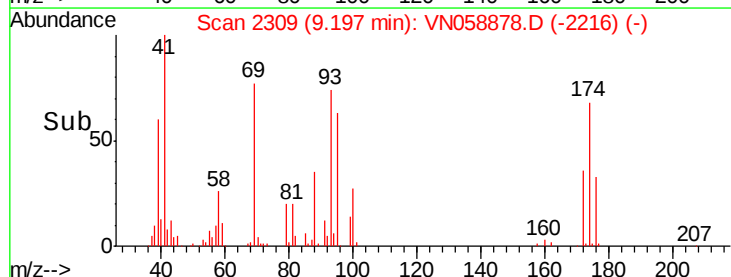
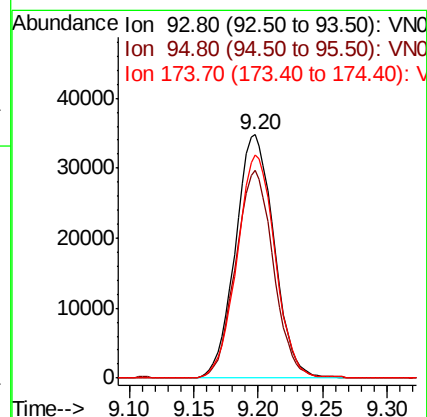
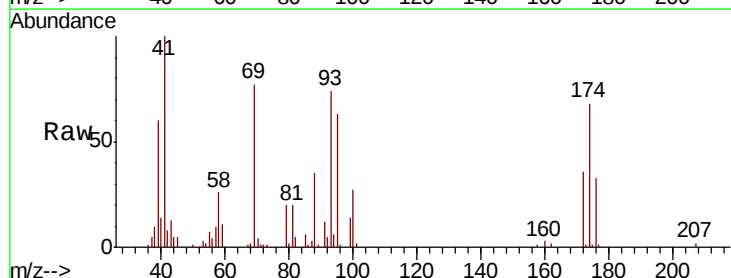
Tgt Ion: 93 Resp: 72540

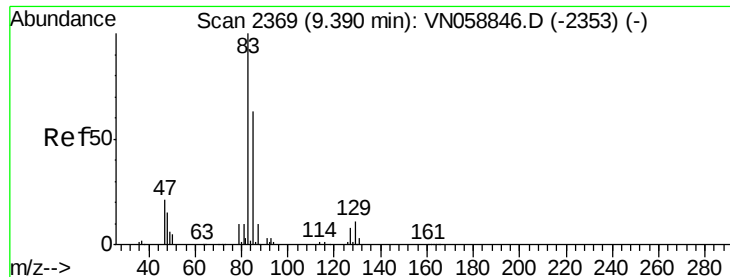
Ion Ratio Lower Upper

93 100

95 83.4 67.6 101.4

174 90.1 74.1 111.1





#47

Bromodichloromethane

Concen: 20.396 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

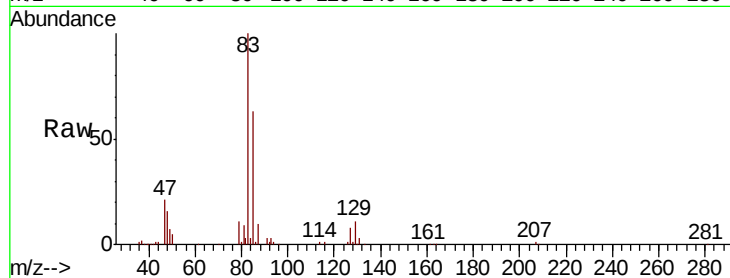
Tot Ion: 83 Resp: 147473

Ion Ratio Lower Upper

83 100

85 62.8 50.6 75.8

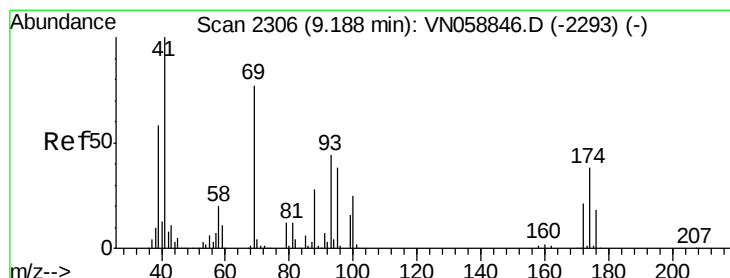
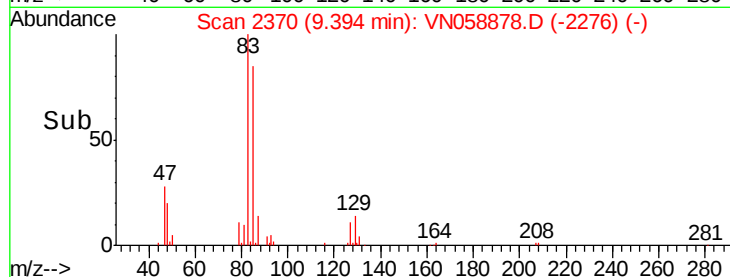
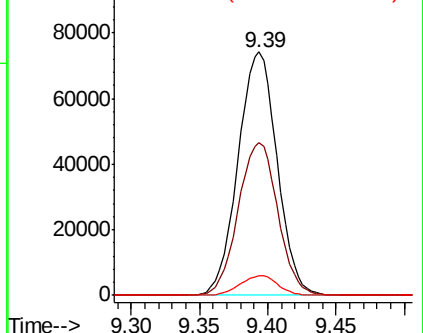
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.537 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

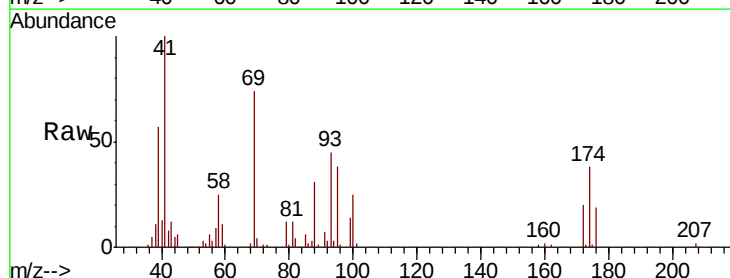
Tgt Ion: 41 Resp: 112213

Ion Ratio Lower Upper

41 100

69 79.2 63.8 95.6

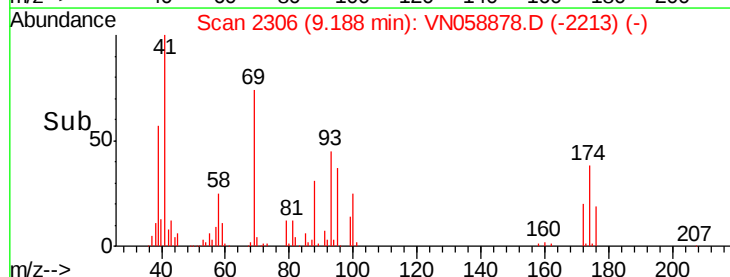
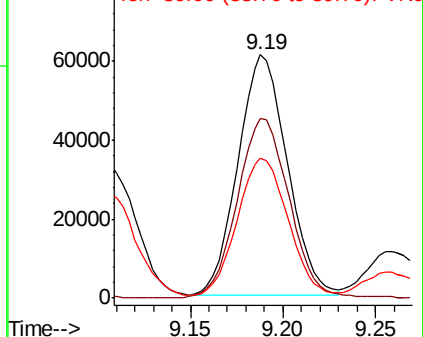
39 60.5 47.8 71.8

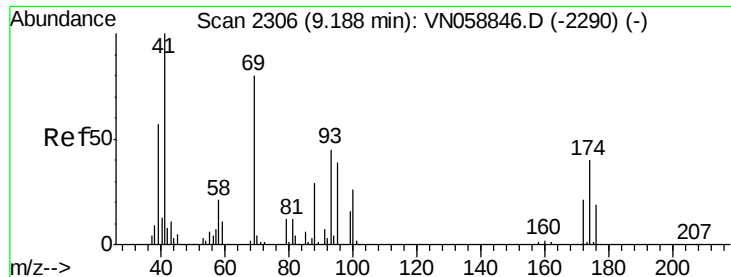


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 456.294 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN1021WBS01

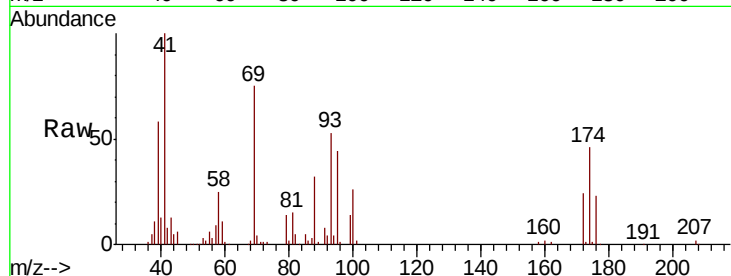
Tot Ion: 88 Resp: 40928

Ion Ratio Lower Upper

88 100

43 37.8 29.1 43.7

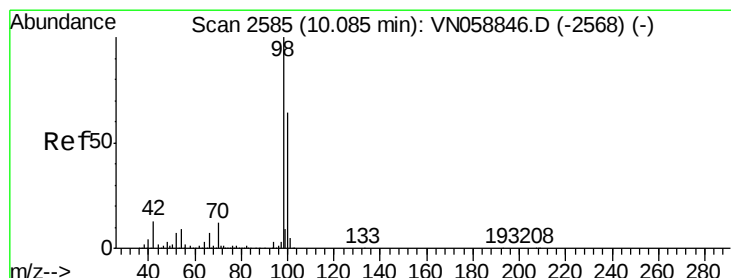
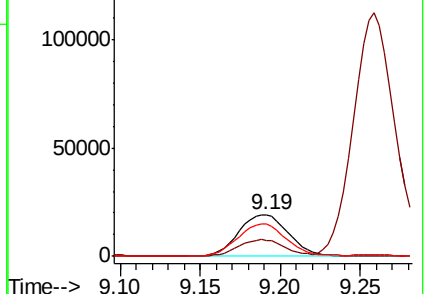
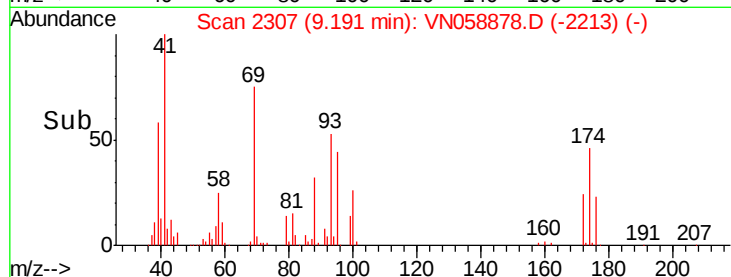
58 76.7 59.4 89.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.308 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058878.D

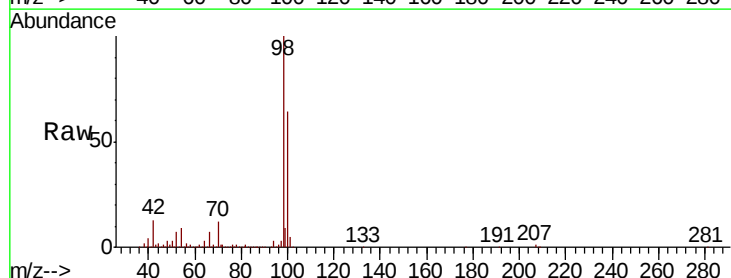
Acq: 21 Oct 2019 11:27

Tgt Ion: 98 Resp: 864304

Ion Ratio Lower Upper

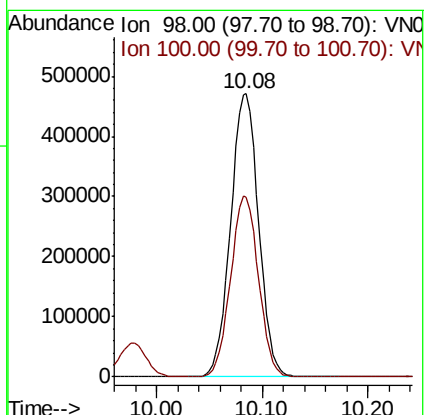
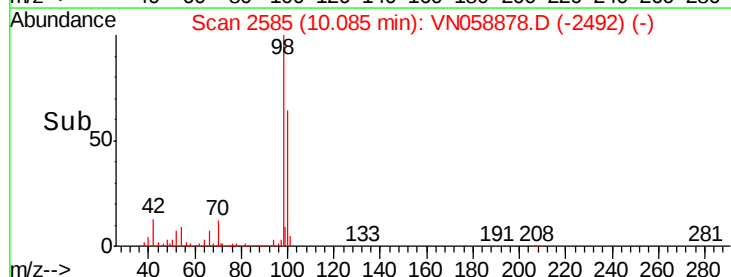
98 100

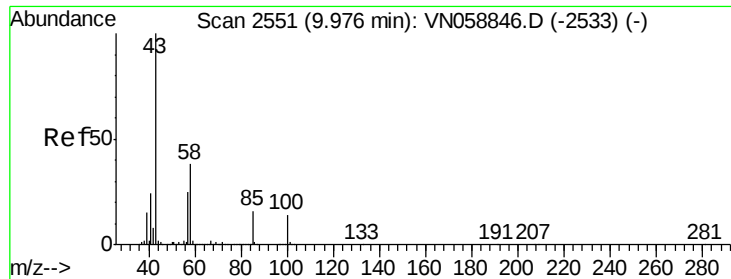
100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 111.474 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

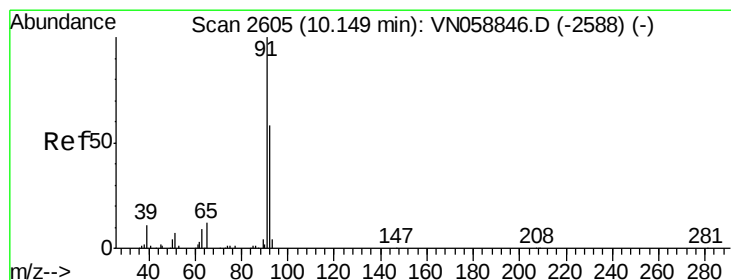
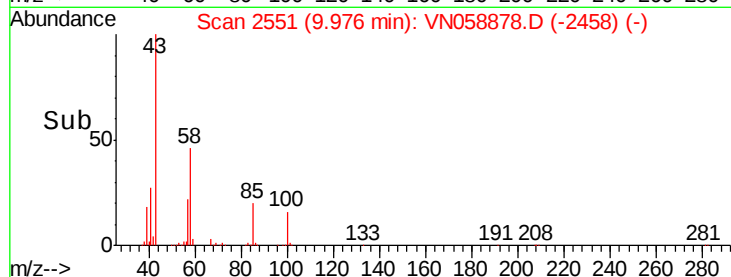
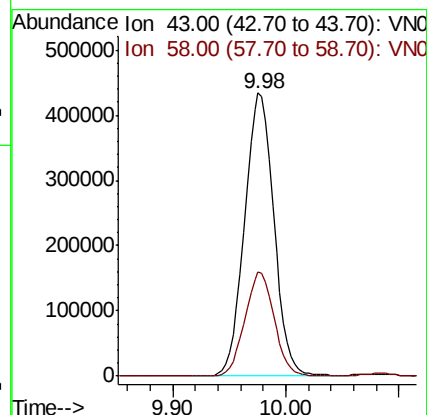
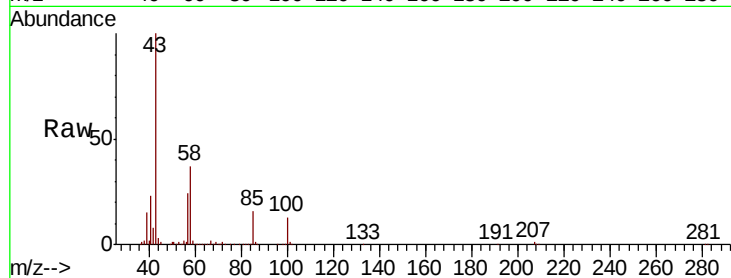
VN1021WBS01

Tot Ion: 43 Resp: 784152

Ion Ratio Lower Upper

43 100

58 36.7 29.9 44.9



#52

Toluene

Concen: 21.058 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058878.D

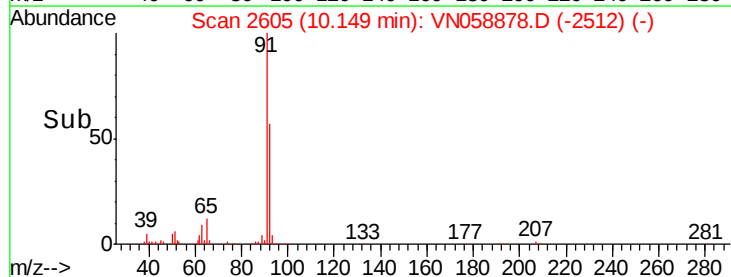
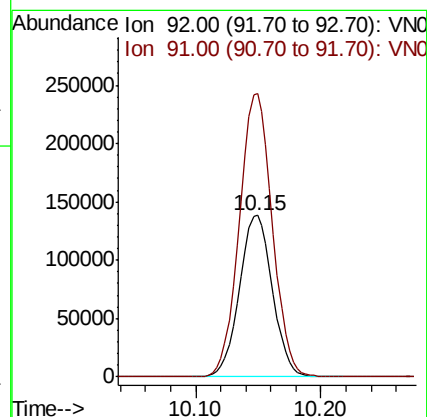
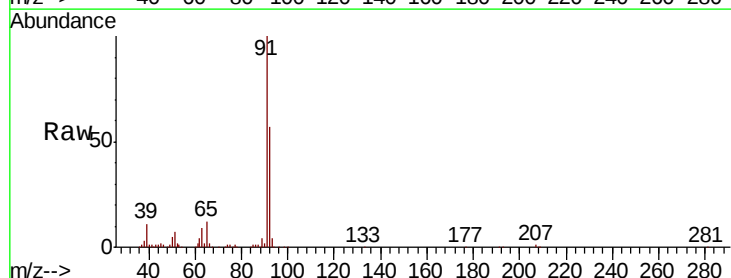
Acq: 21 Oct 2019 11:27

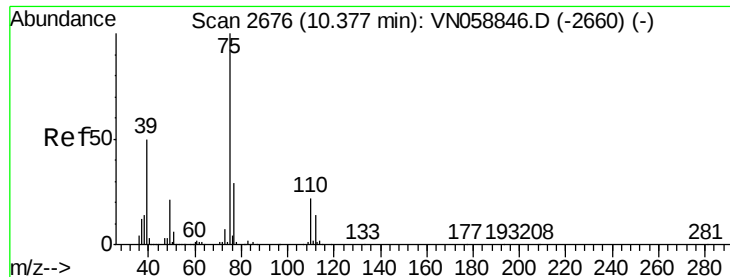
Tgt Ion: 92 Resp: 252716

Ion Ratio Lower Upper

92 100

91 175.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.341 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

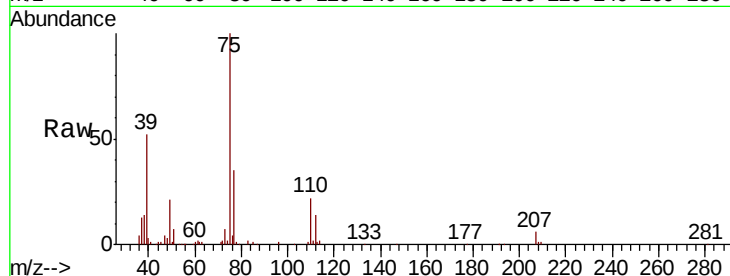
VN1021WBS01

Tot Ion: 75 Resp: 162814

Ion Ratio Lower Upper

75 100

77 33.4 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

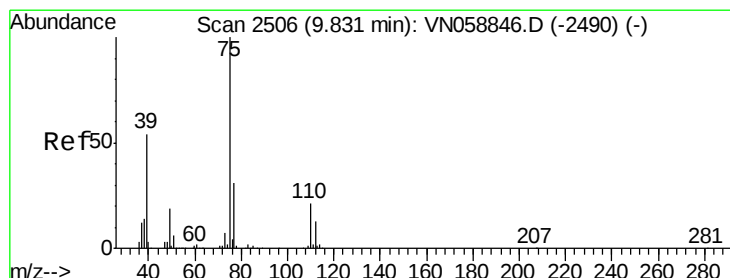
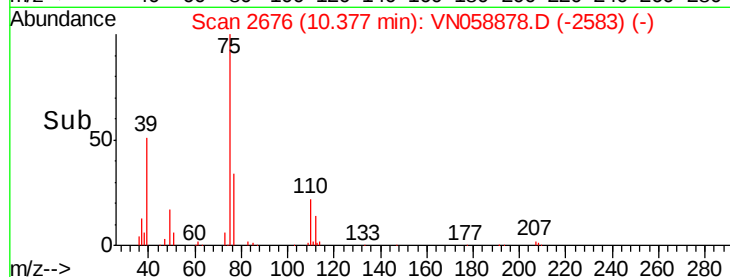
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.727 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

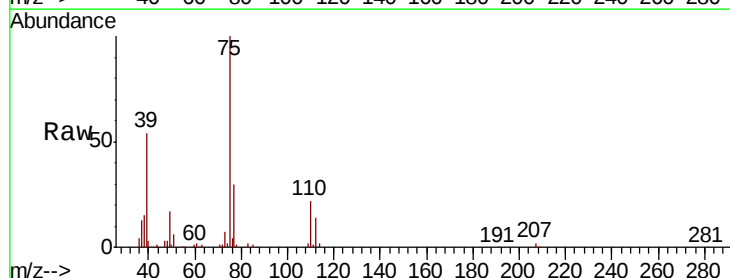
Tgt Ion: 75 Resp: 177248

Ion Ratio Lower Upper

75 100

77 30.5 24.7 37.1

39 53.5 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

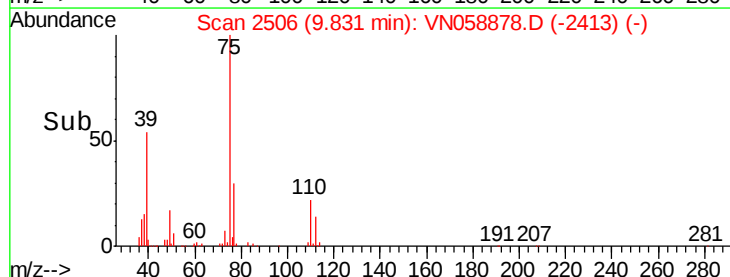
60000

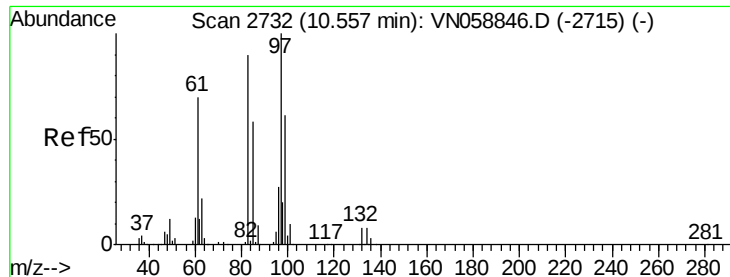
40000

20000

0

Time-->

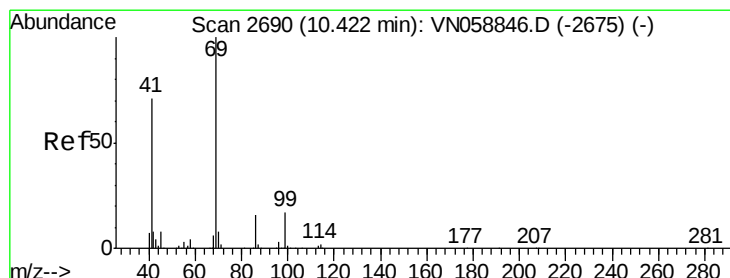
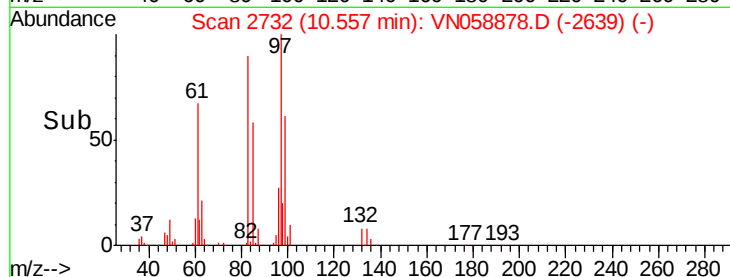
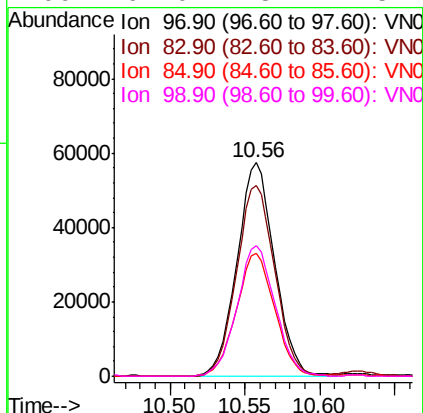
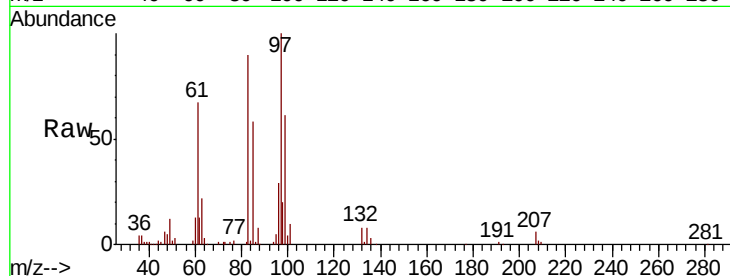




#55
 1,1,2-Trichloroethane
 Concen: 20.307 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

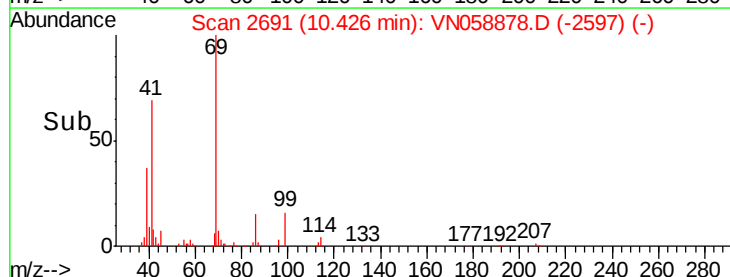
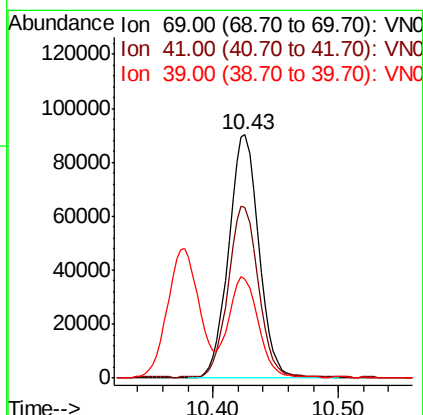
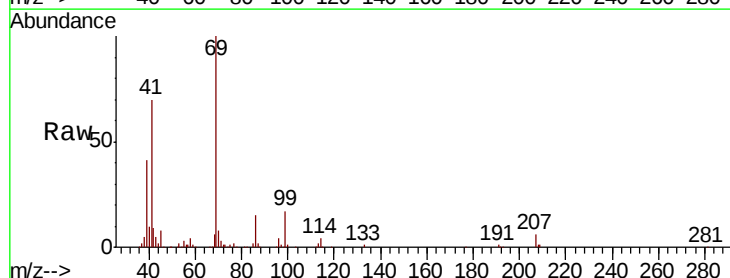
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

Tot Ion:	97	Resp:	100397
Ion	Ratio	Lower	Upper
97	100		
83	89.5	72.2	108.4
85	57.7	46.2	69.2
99	61.0	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 19.579 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion:	69	Resp:	151533
Ion	Ratio	Lower	Upper
69	100		
41	70.2	57.2	85.8
39	40.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.387 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

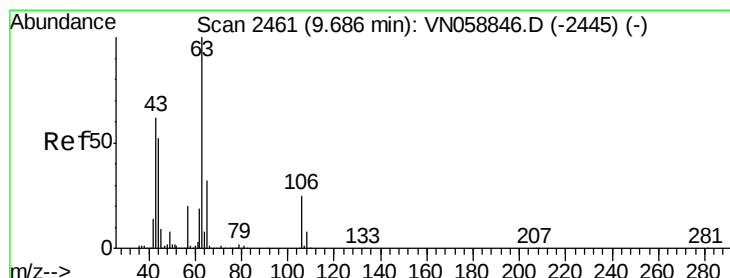
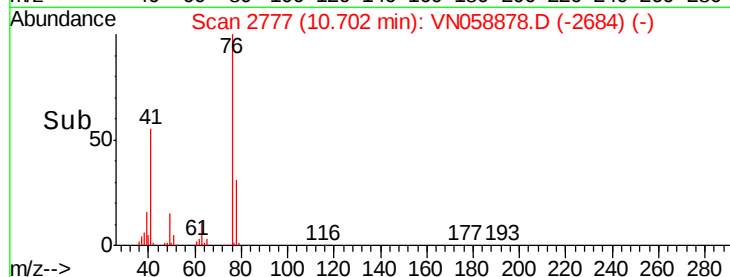
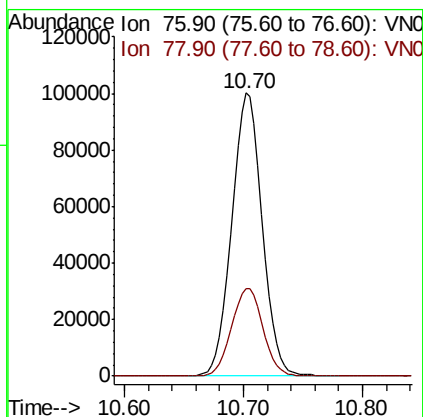
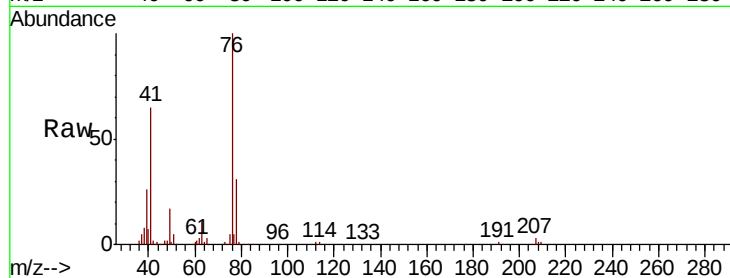
VN1021WBS01

Tot Ion: 76 Resp: 176897

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 95.868 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058878.D

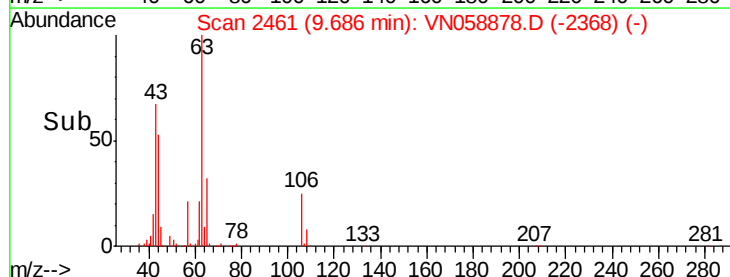
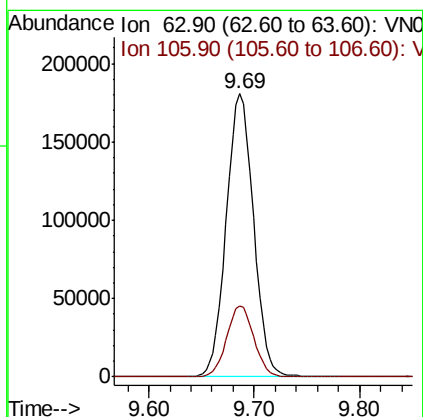
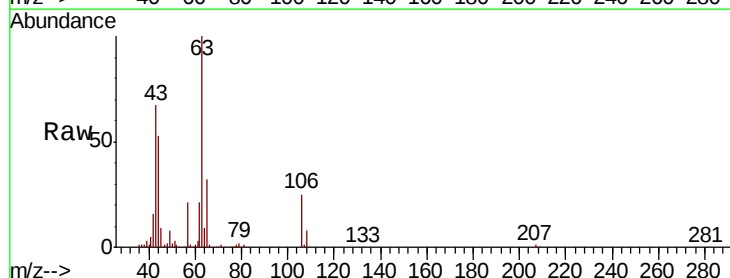
Acq: 21 Oct 2019 11:27

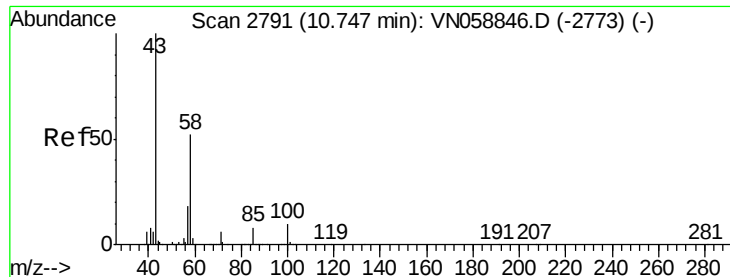
Tgt Ion: 63 Resp: 323663

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.8

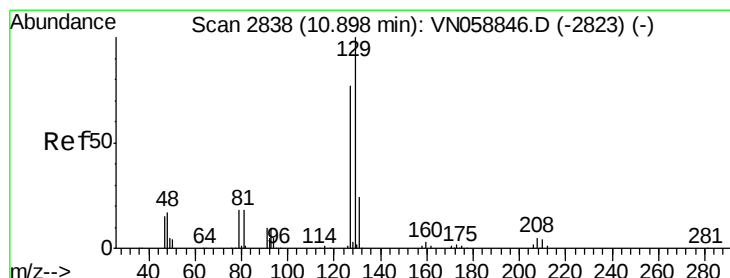
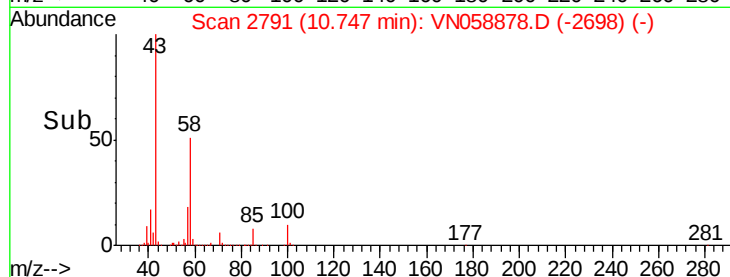
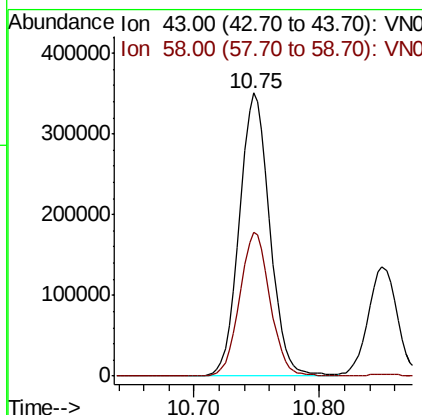
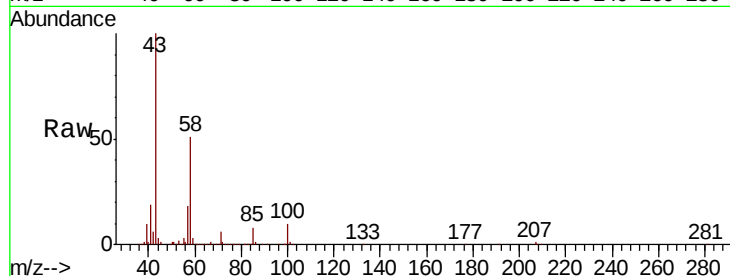




#59
2-Hexanone
Concen: 108.398 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

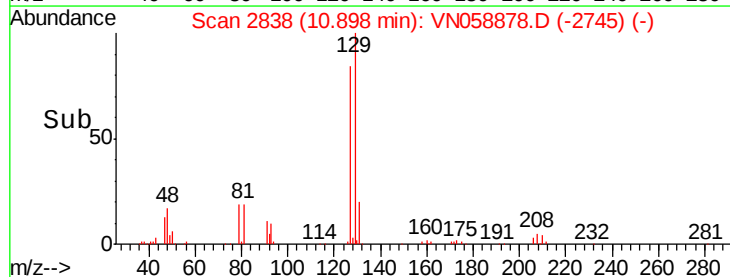
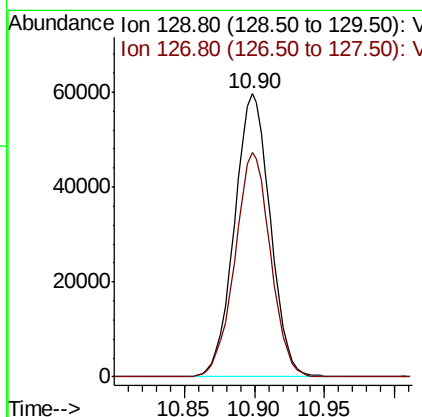
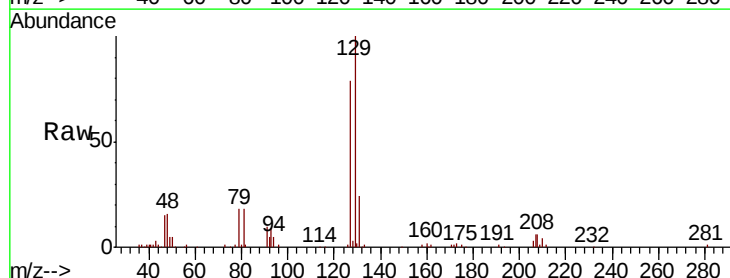
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

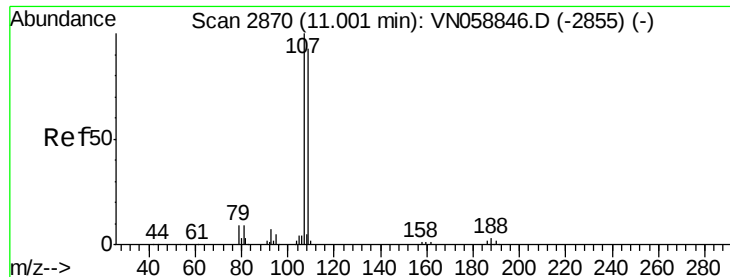
Tot Ion: 43 Resp: 589221
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 19.916 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 129 Resp: 105980
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.459 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

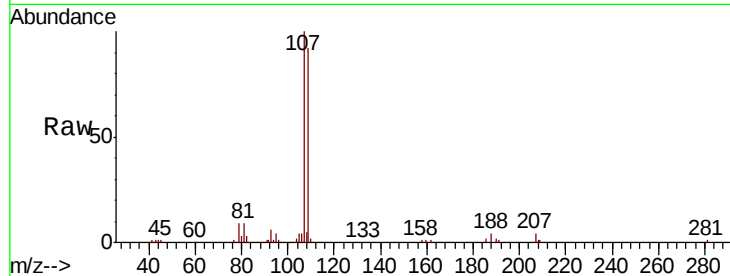
VN1021WBS01

Tot Ion:107 Resp: 103510

Ion Ratio Lower Upper

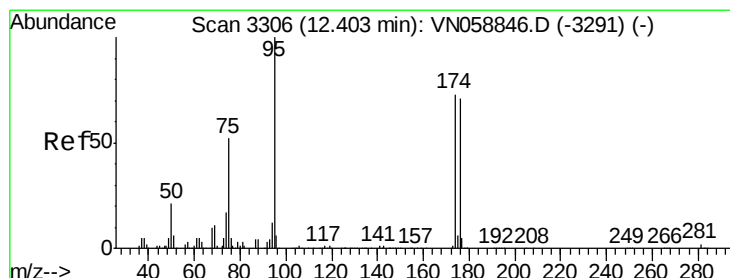
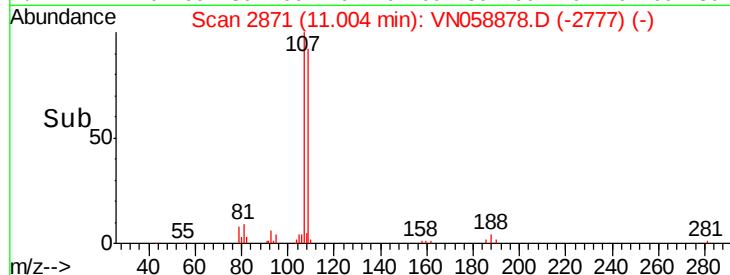
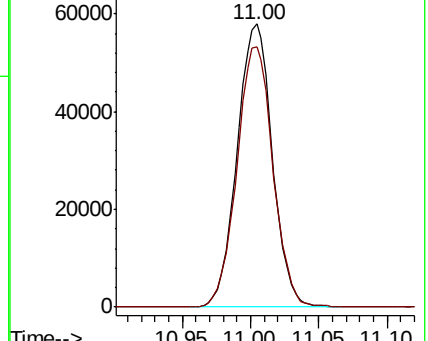
107 100

109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.933 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

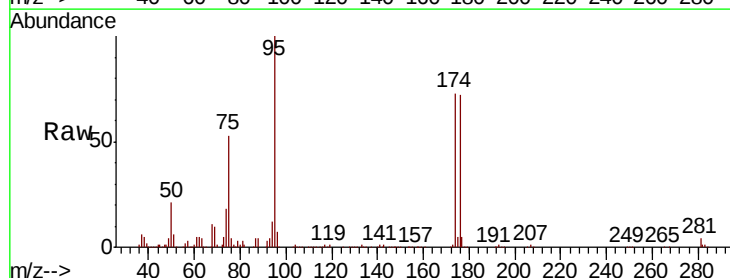
Tgt Ion: 95 Resp: 315033

Ion Ratio Lower Upper

95 100

174 73.9 0.0 147.6

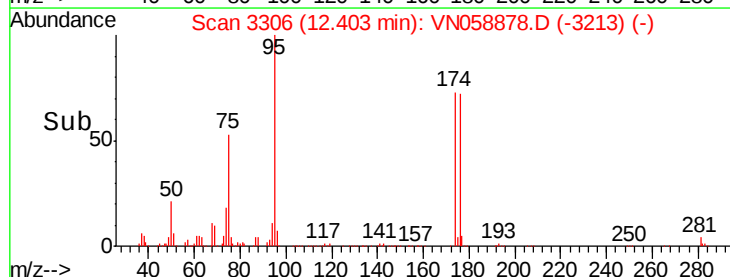
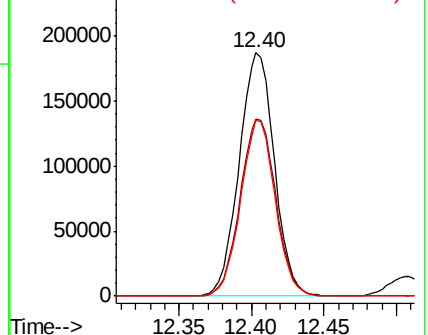
176 71.1 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

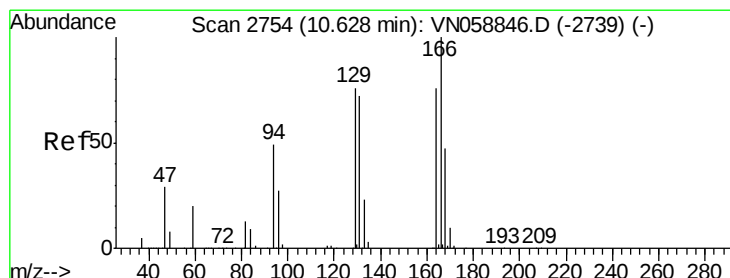
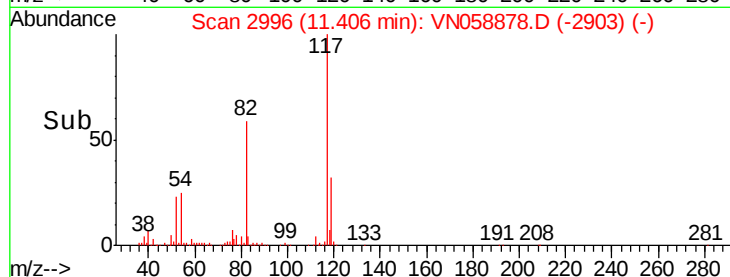
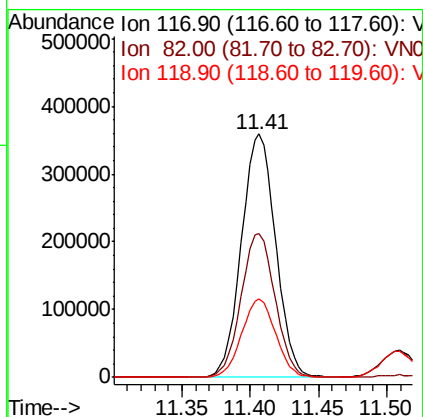
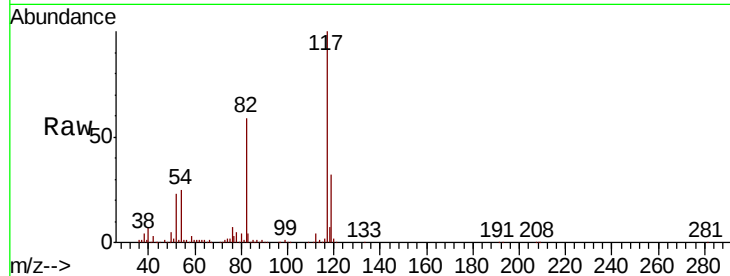




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

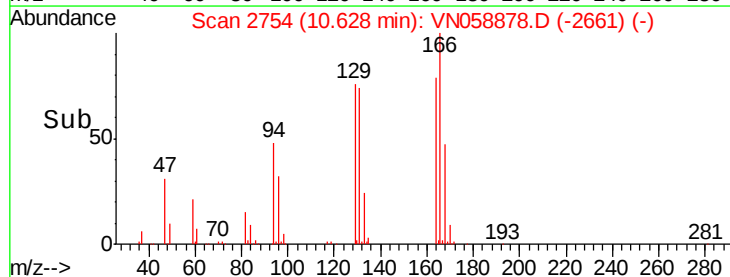
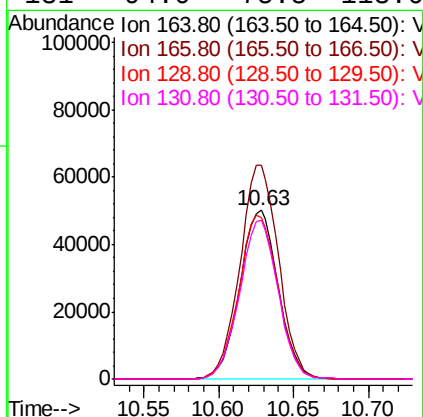
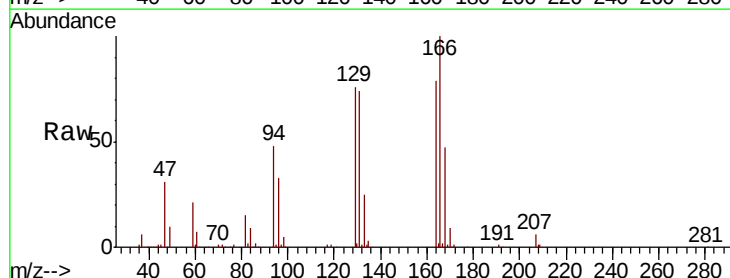
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

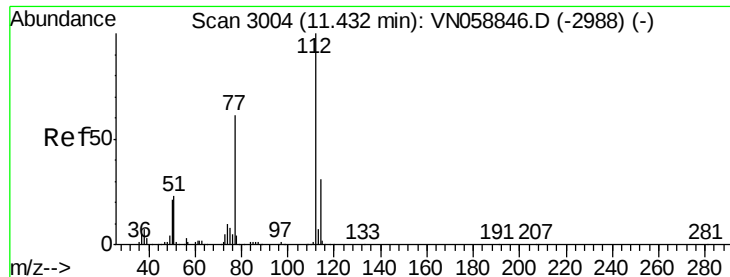
Tot Ion:117 Resp: 626498
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 20.482 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion:164 Resp: 89868
Ion Ratio Lower Upper
164 100
166 126.6 104.8 157.2
129 96.0 79.3 118.9
131 94.0 75.8 113.6

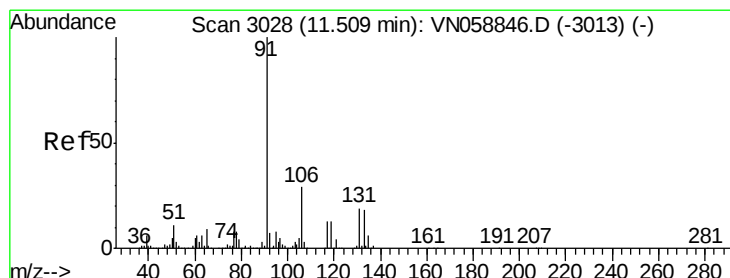
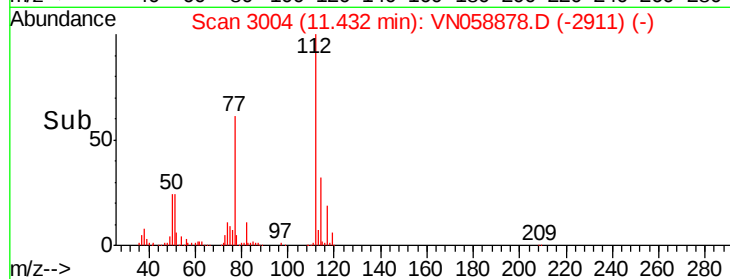
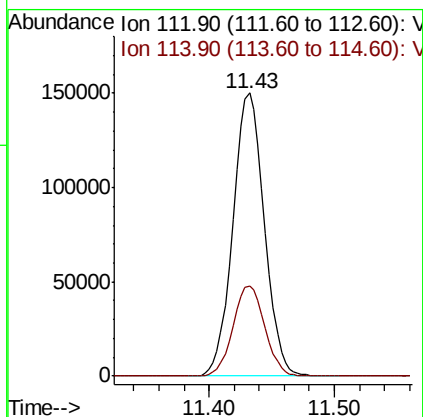
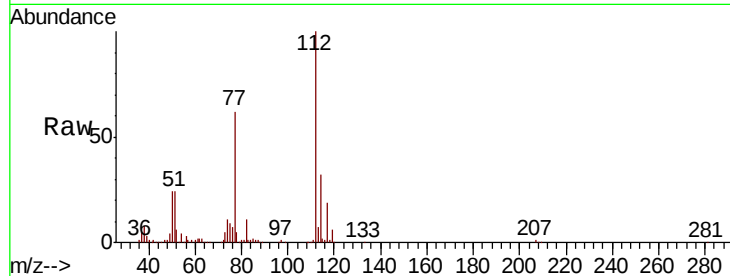




#65
Chlorobenzene
Concen: 20.407 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

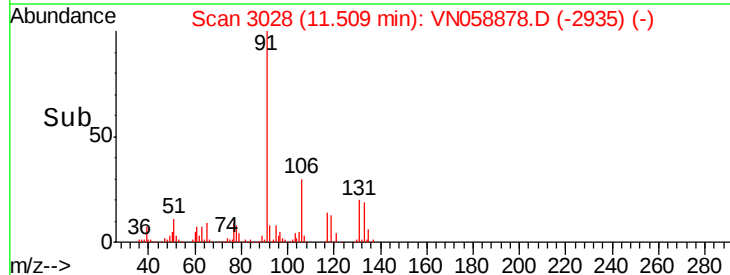
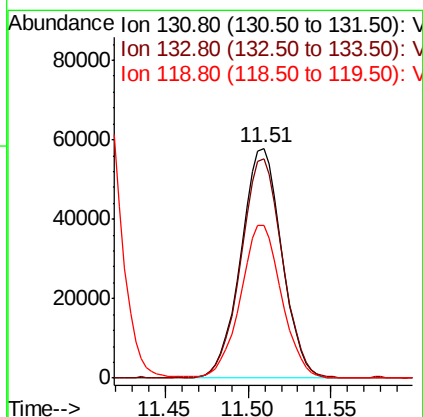
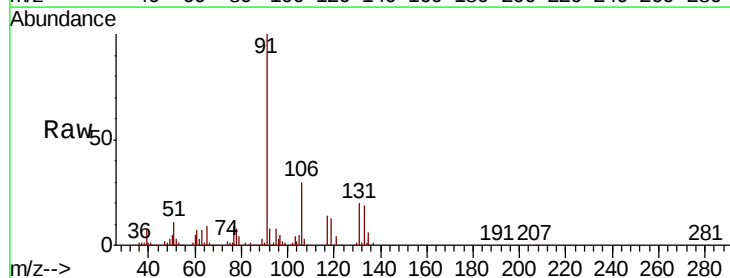
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

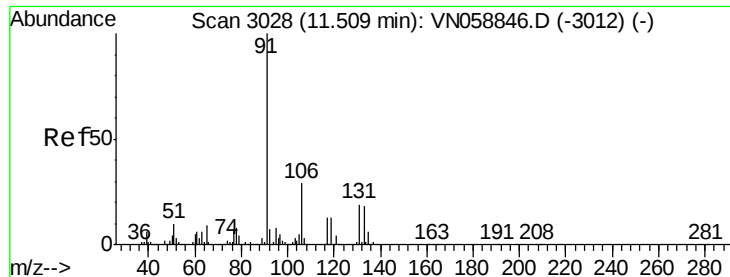
Tot Ion:112 Resp: 260289
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.623 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion:131 Resp: 99258
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.2
119 66.9 33.6 100.8





#67

Ethyl Benzene

Concen: 21.156 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

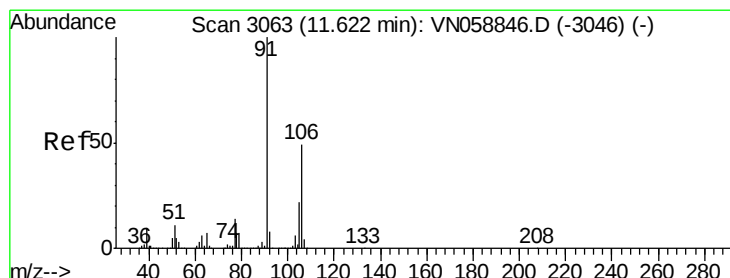
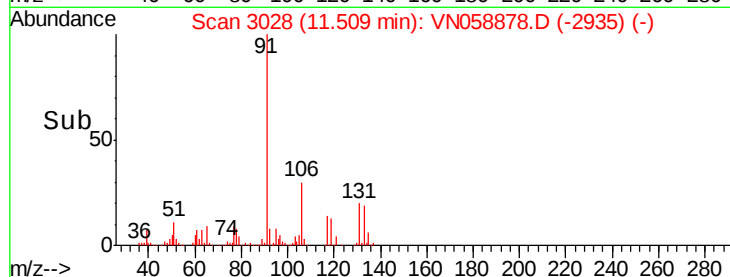
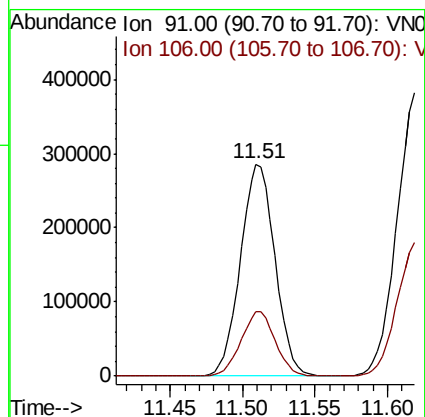
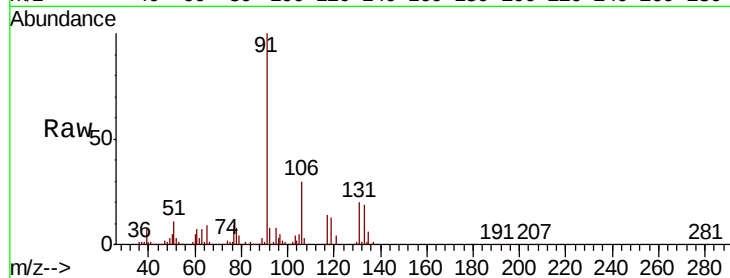
VN1021WBS01

Tot Ion: 91 Resp: 473361

Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.0



#68

m/p-Xylenes

Concen: 42.628 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058878.D

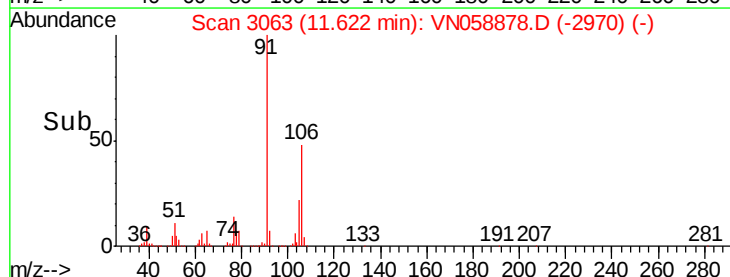
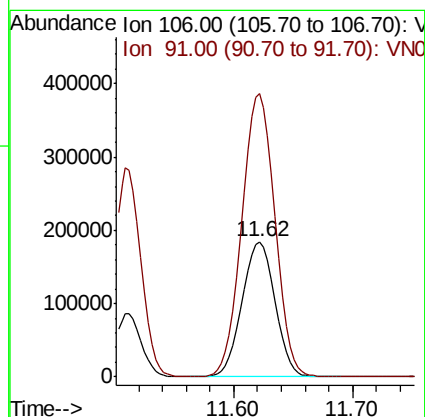
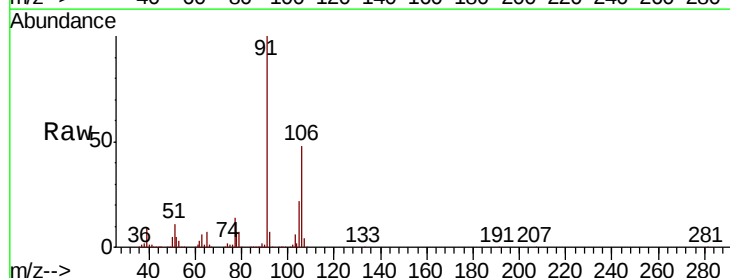
Acq: 21 Oct 2019 11:27

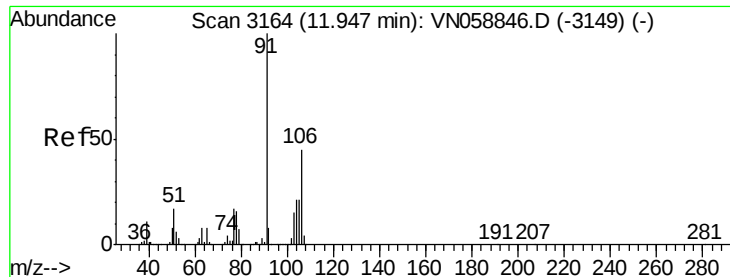
Tgt Ion: 106 Resp: 353707

Ion Ratio Lower Upper

106 100

91 210.1 166.6 249.8

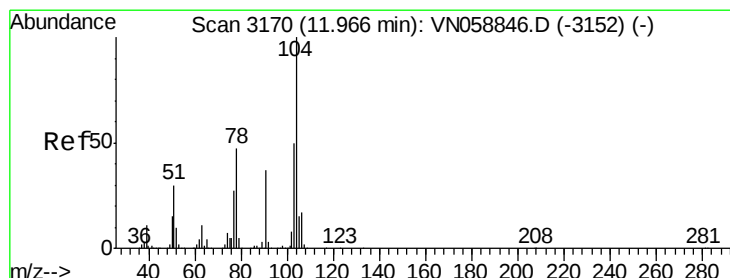
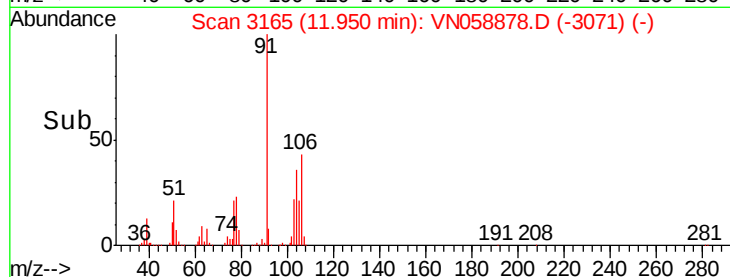
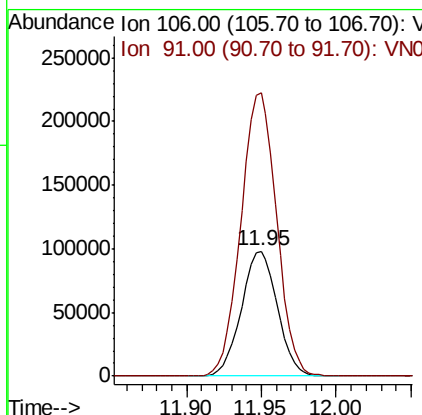
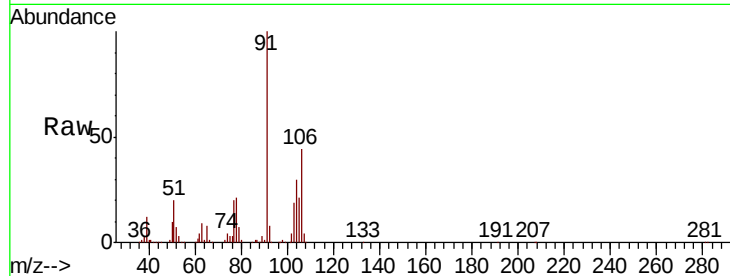




#69
o-Xylene
Concen: 20.816 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

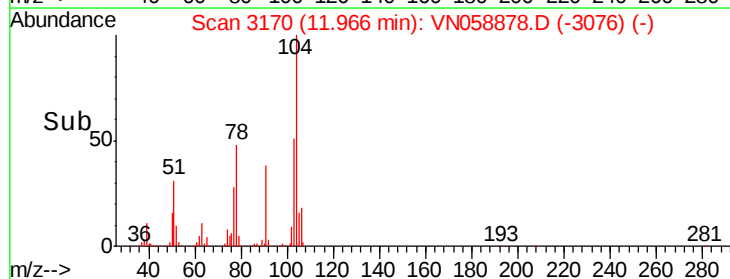
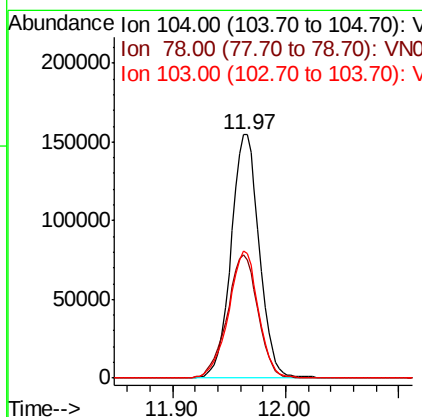
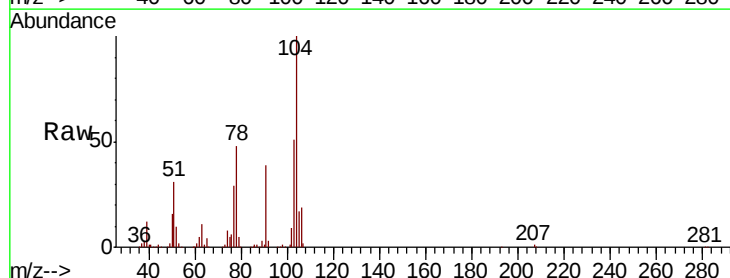
Instrument :
MSVOA_N
ClientSampled :
VN1021WBS01

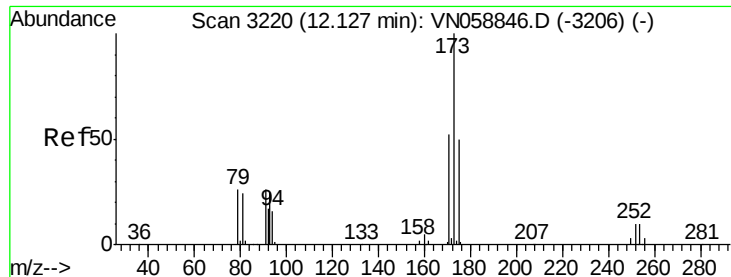
Tot Ion:106 Resp: 164728
Ion Ratio Lower Upper
106 100
91 224.6 111.5 334.4



#70
Styrene
Concen: 19.455 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion:104 Resp: 268348
Ion Ratio Lower Upper
104 100
78 55.1 42.8 64.2
103 55.4 44.3 66.5





#71

Bromoform

Concen: 19.528 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN1021WBS01

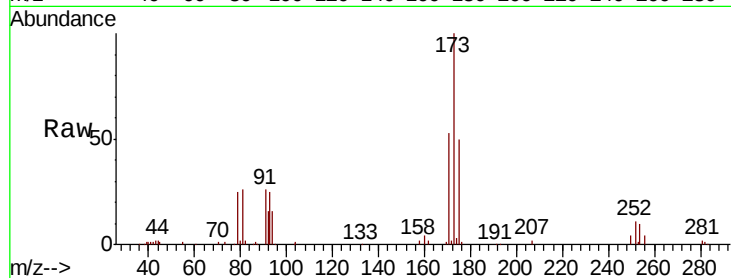
Tot Ion:173 Resp: 72884

Ion Ratio Lower Upper

173 100

175 49.8 24.7 74.1

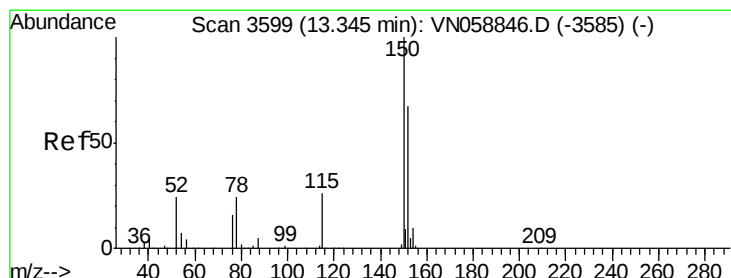
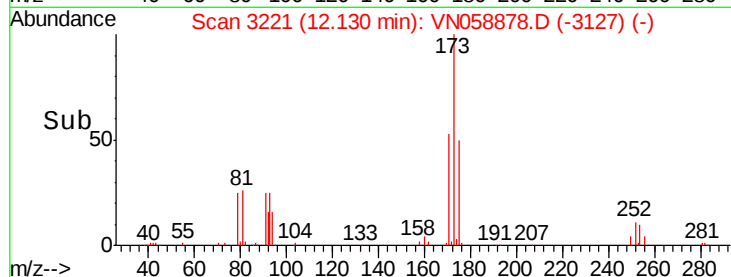
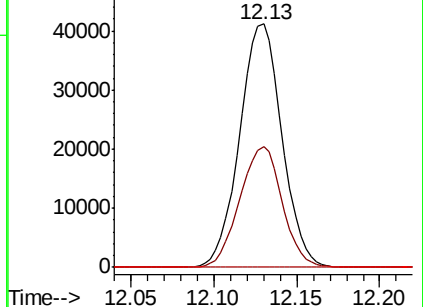
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

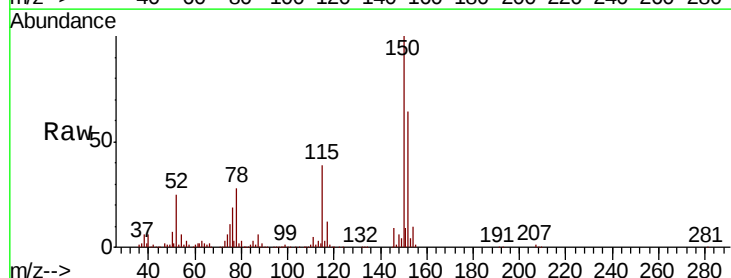
Tgt Ion:152 Resp: 294209

Ion Ratio Lower Upper

152 100

115 61.1 30.5 91.5

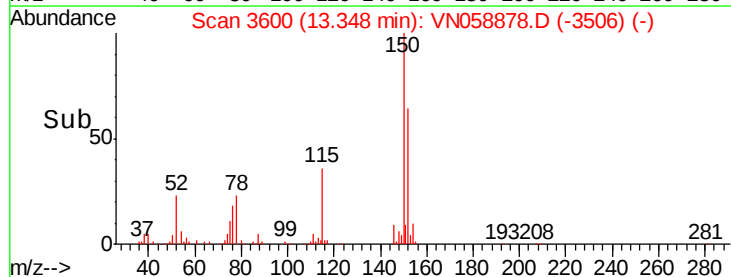
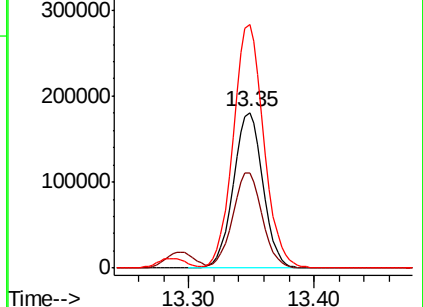
150 161.8 0.0 344.4

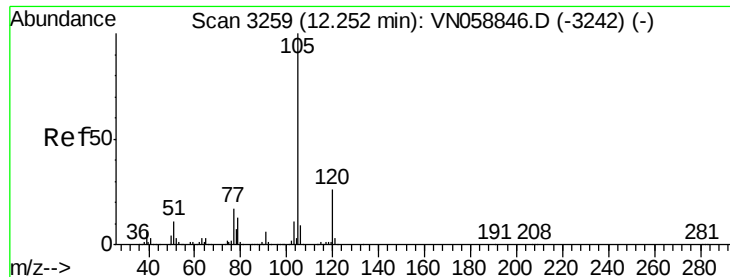


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.348 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

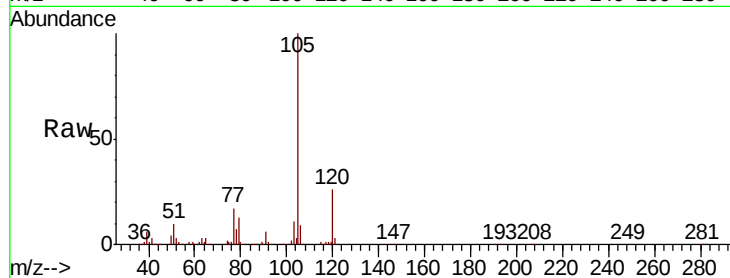
VN1021WBS01

Tot Ion:105 Resp: 459014

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

150000

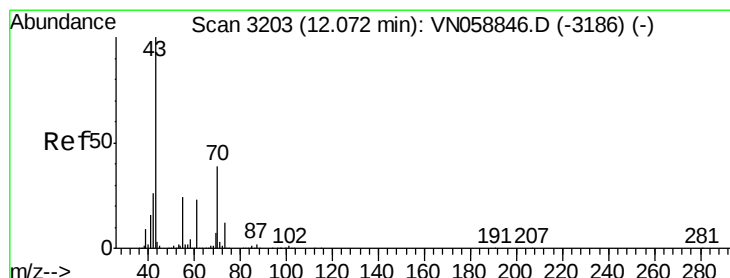
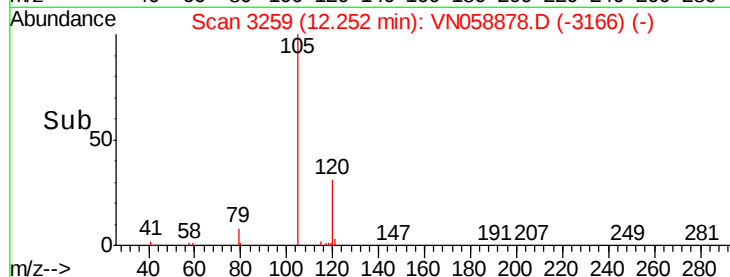
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 21.316 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Tgt Ion: 43 Resp: 207779

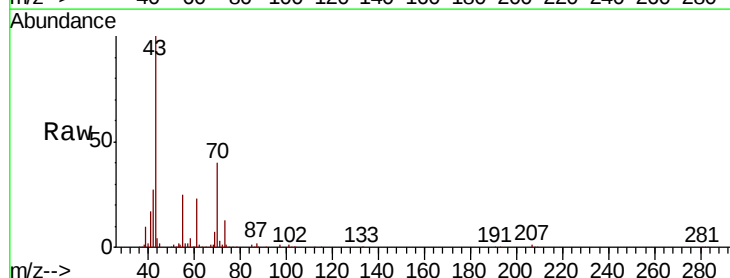
Ion Ratio Lower Upper

43 100

70 39.7 30.9 46.3

55 25.0 19.7 29.5

61 22.8 18.2 27.4



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

200000

150000

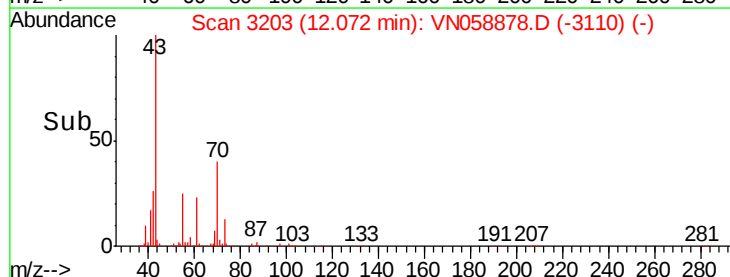
100000

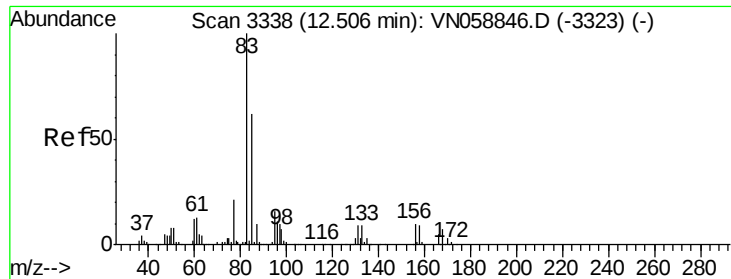
50000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.737 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

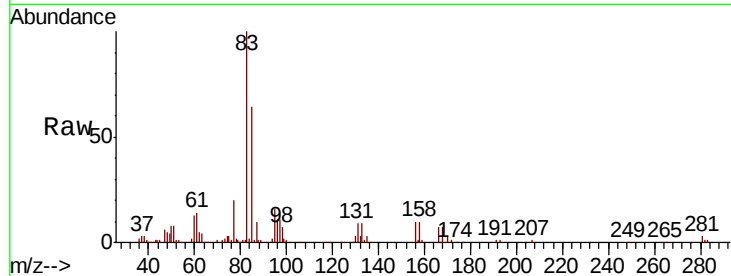
Tot Ion: 83 Resp: 156774

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.1

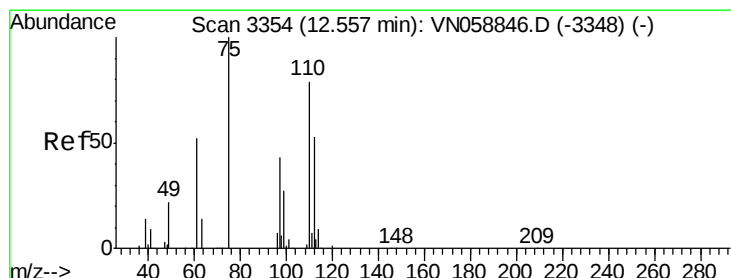
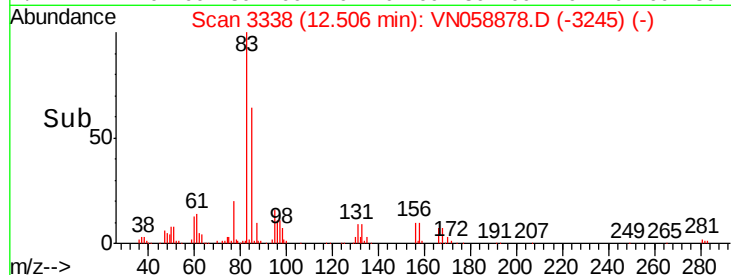
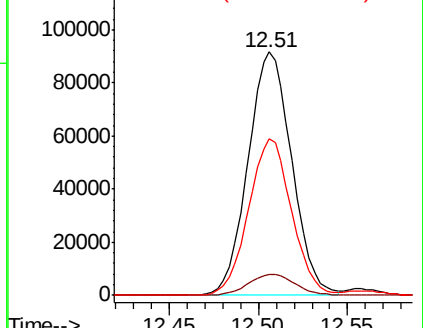
85 63.3 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.633 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058878.D

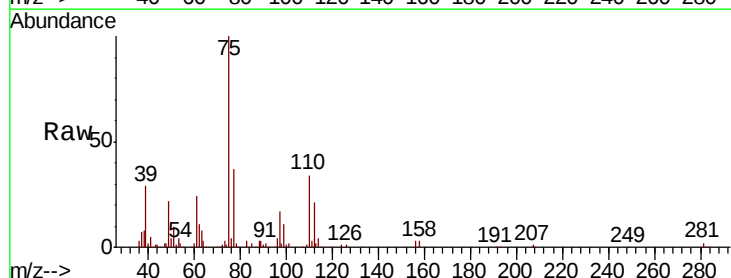
Acq: 21 Oct 2019 11:27

Tgt Ion: 75 Resp: 208877

Ion Ratio Lower Upper

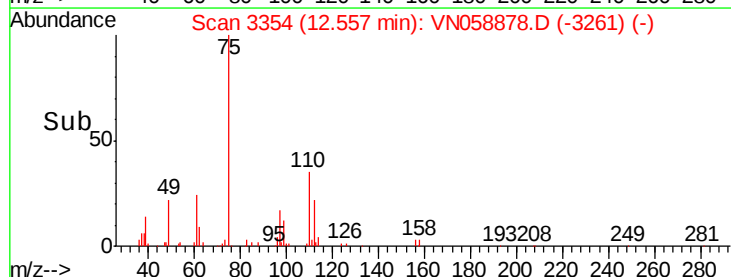
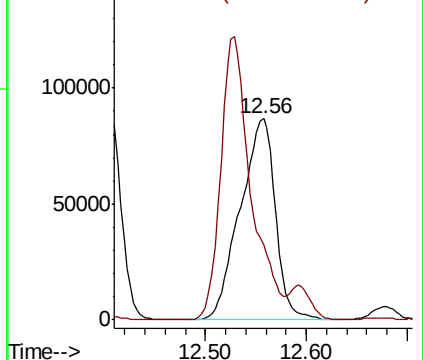
75 100

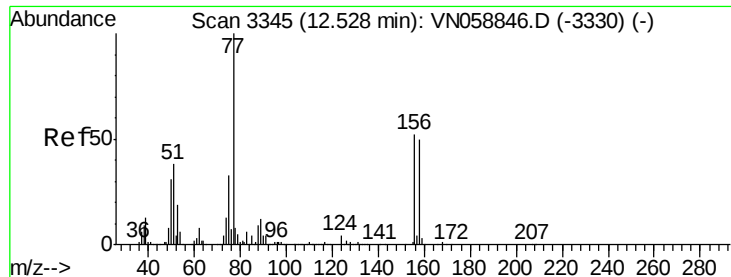
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.389 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

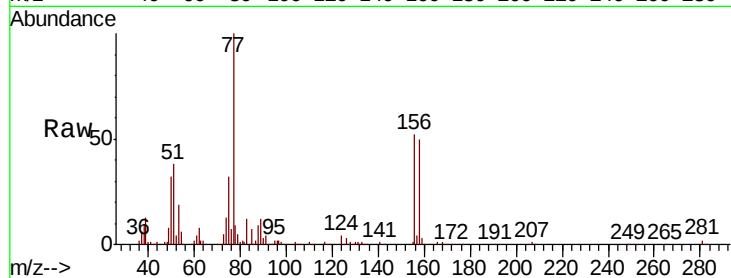
Tot Ion:156 Resp: 108052

Ion Ratio Lower Upper

156 100

77 237.5 118.0 354.0

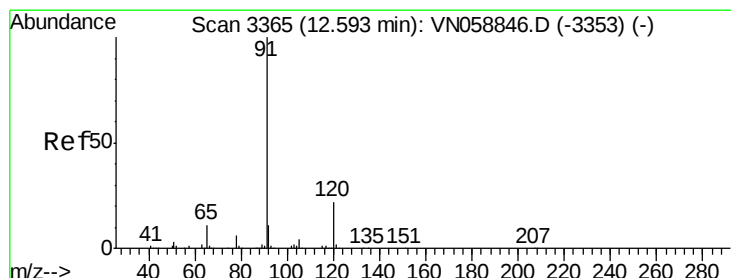
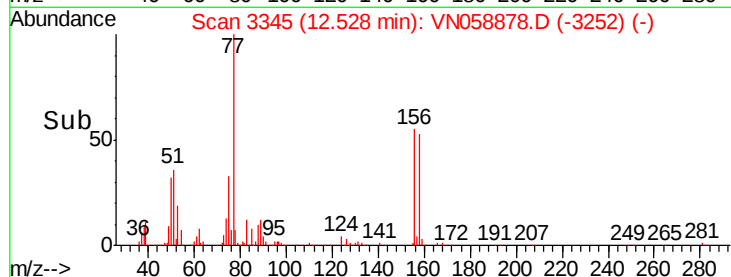
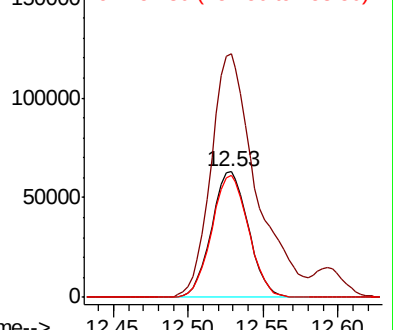
158 97.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.479 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058878.D

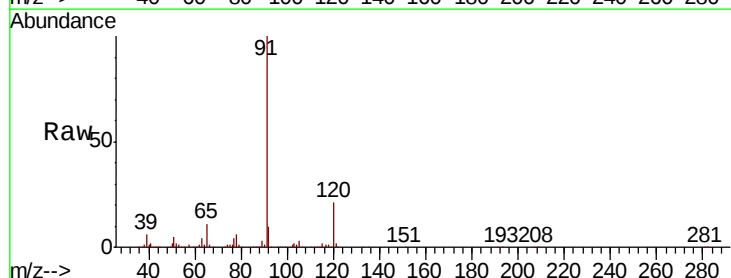
Acq: 21 Oct 2019 11:27

Tgt Ion: 91 Resp: 545890

Ion Ratio Lower Upper

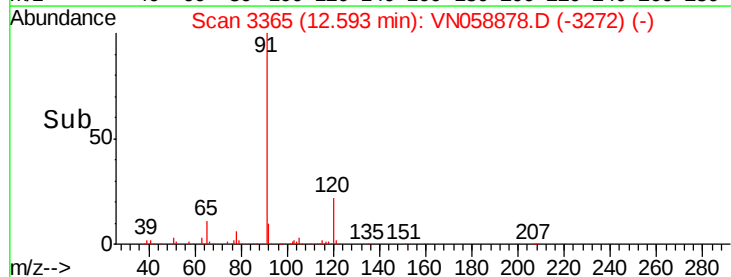
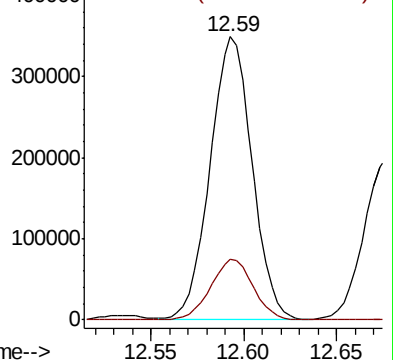
91 100

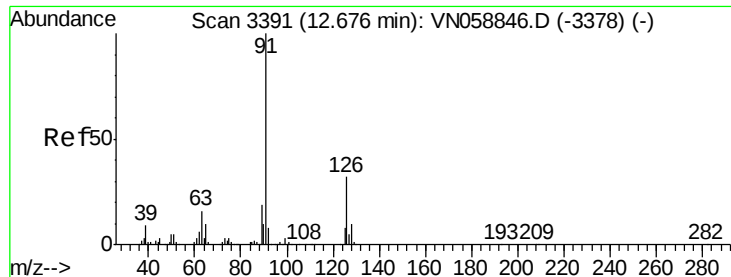
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

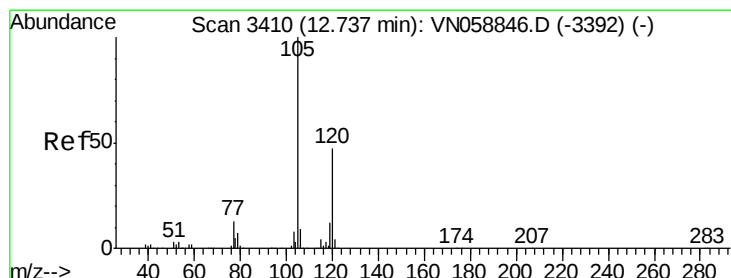
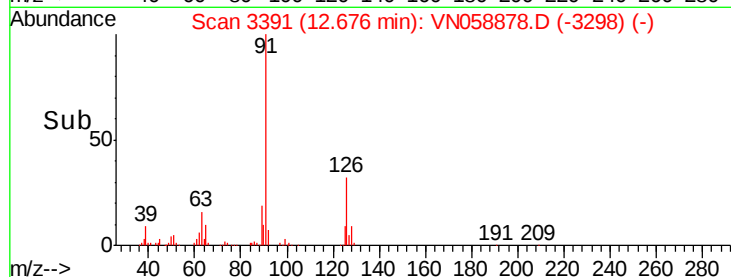
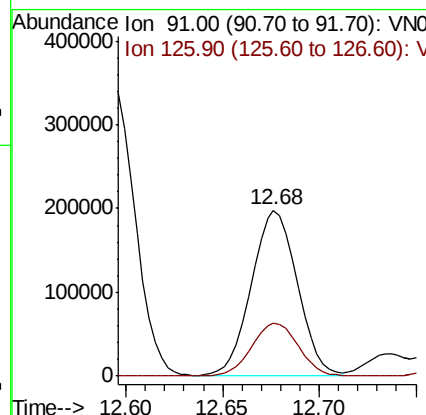
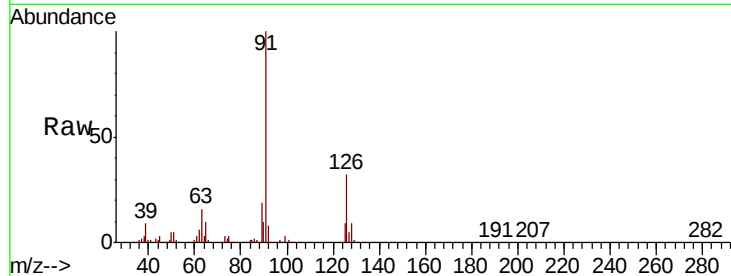




#79
2-Chlorotoluene
Concen: 20.917 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

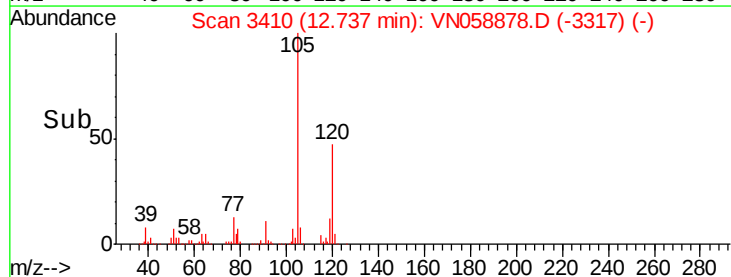
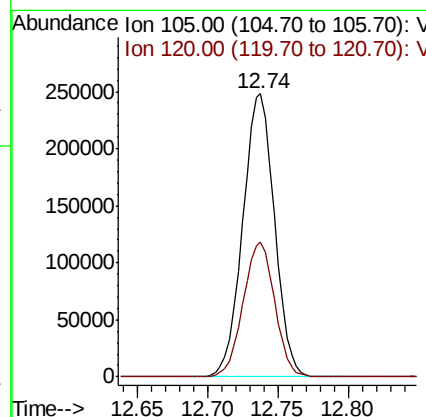
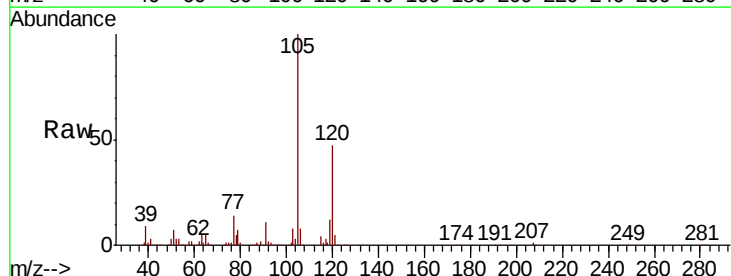
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Tot Ion: 91 Resp: 325362
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 21.604 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion: 105 Resp: 390275
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.806 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

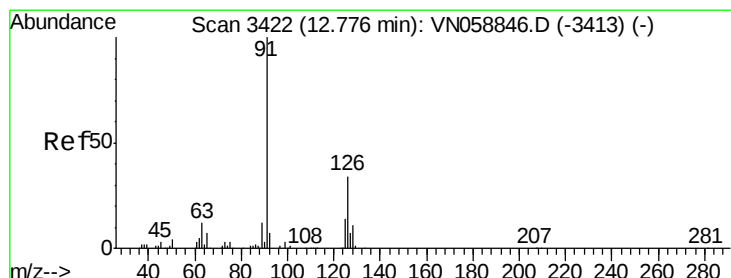
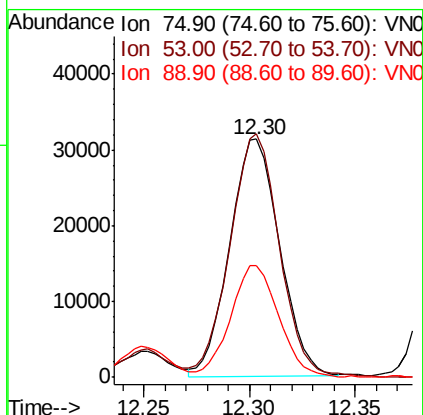
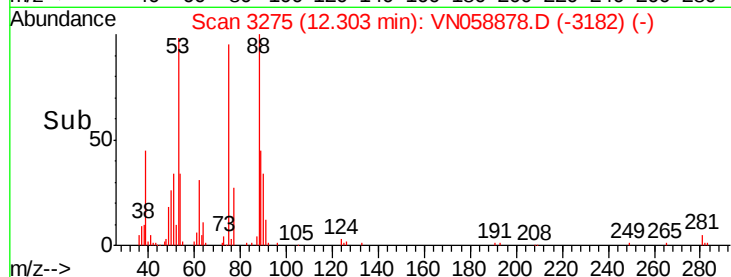
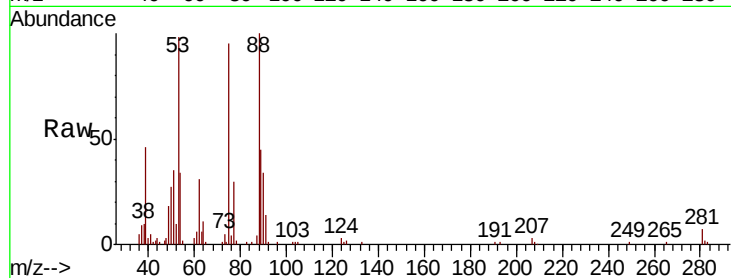
Tot Ion: 75 Resp: 51842

Ion Ratio Lower Upper

75 100

53 101.2 78.6 118.0

89 45.4 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.697 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058878.D

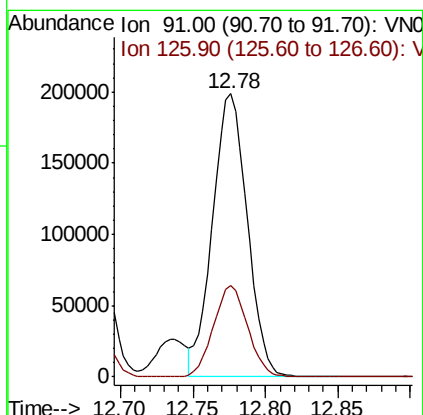
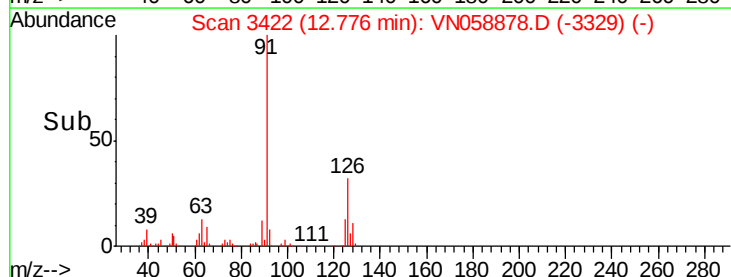
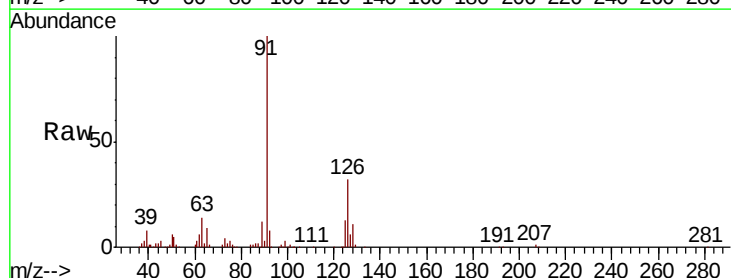
Acq: 21 Oct 2019 11:27

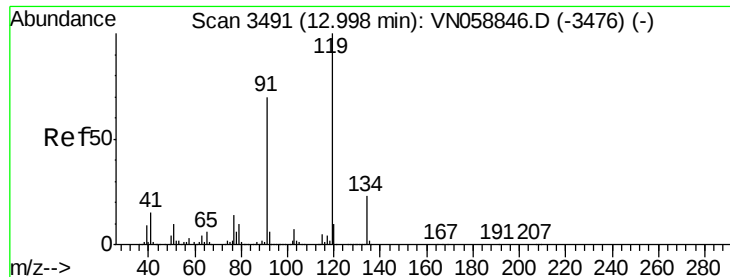
Tgt Ion: 91 Resp: 329002

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9

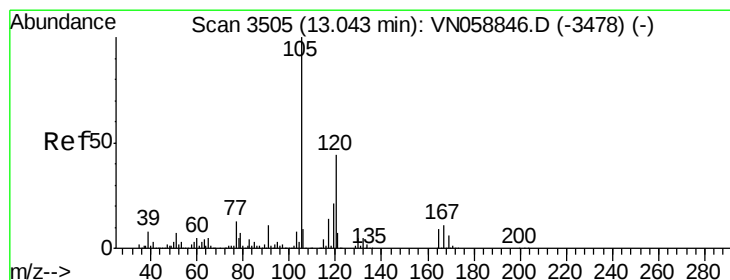
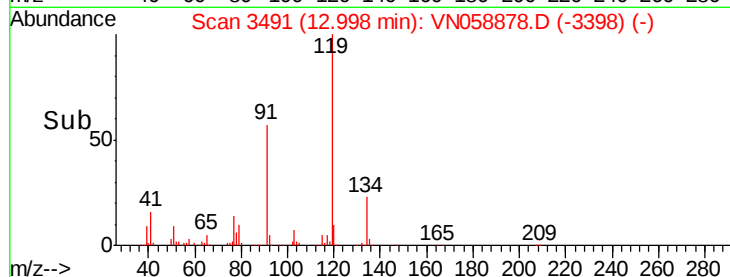
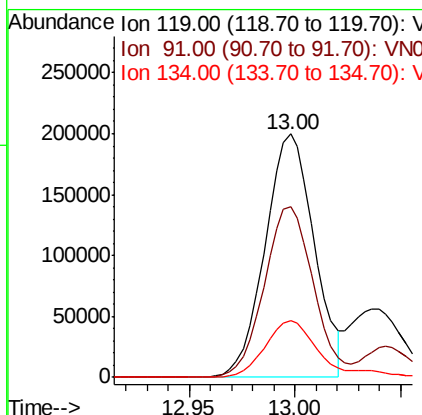
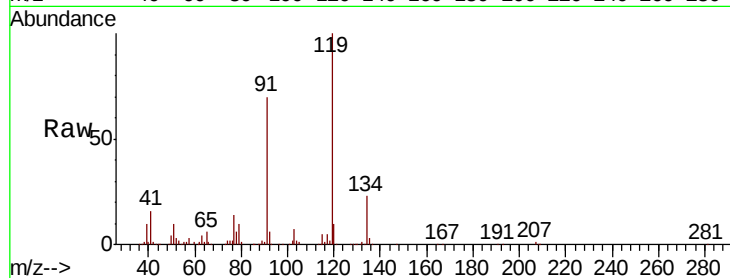




#83
tert-Butylbenzene
Concen: 20.932 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

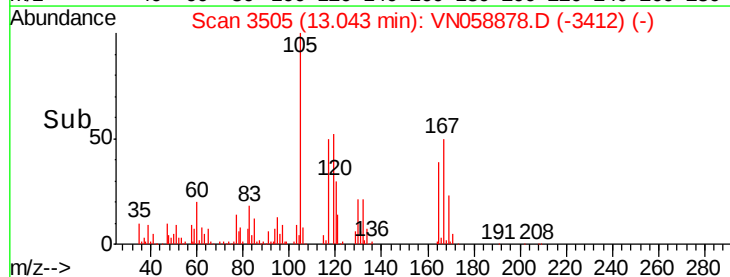
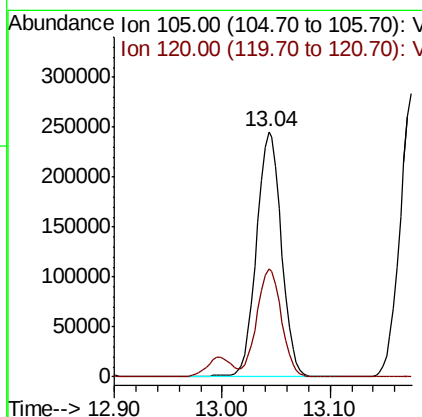
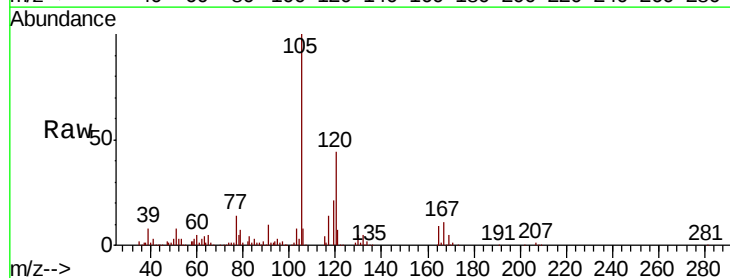
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

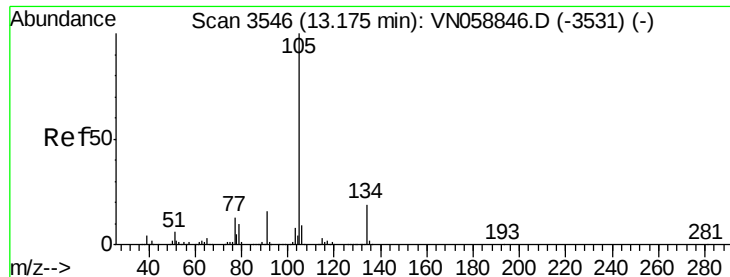
Tot Ion:119 Resp: 323348
Ion Ratio Lower Upper
119 100
91 70.2 34.1 102.3
134 25.9 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 22.066 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058878.D
Acq: 21 Oct 2019 11:27

Tgt Ion:105 Resp: 393182
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.8





#85

sec-Butylbenzene

Concen: 21.531 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

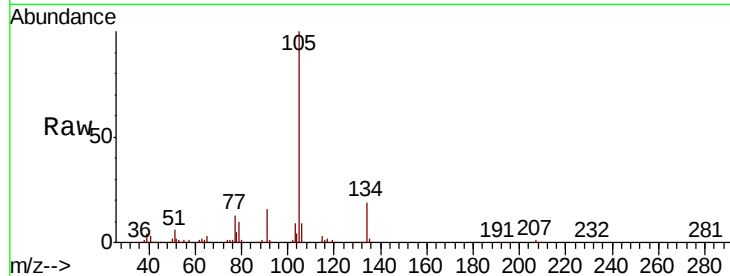
VN1021WBS01

Tot Ion:105 Resp: 443459

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

250000

200000

150000

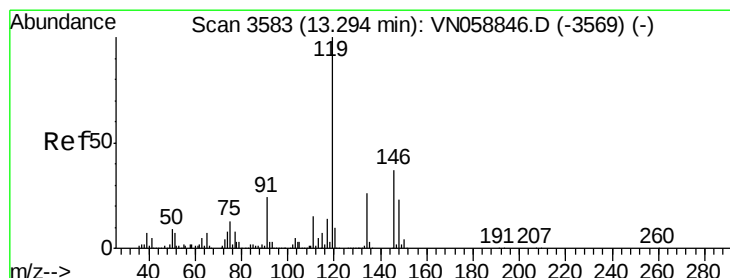
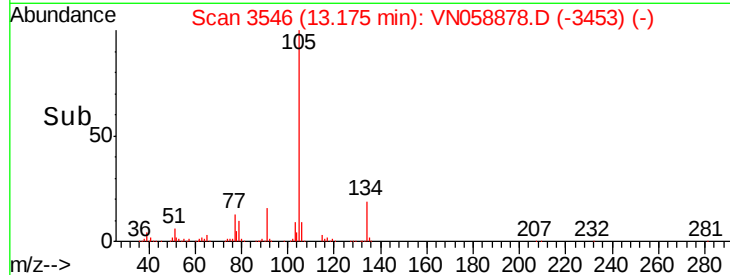
100000

50000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 21.598 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

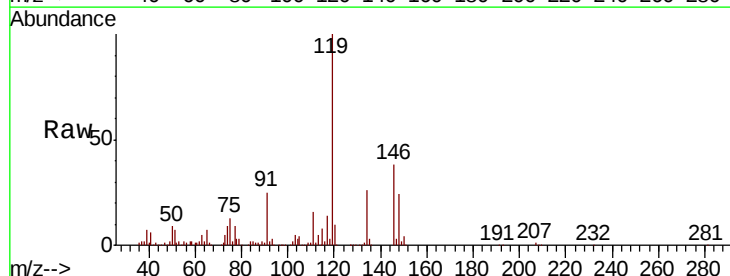
Tgt Ion:119 Resp: 392506

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 25.0 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

300000

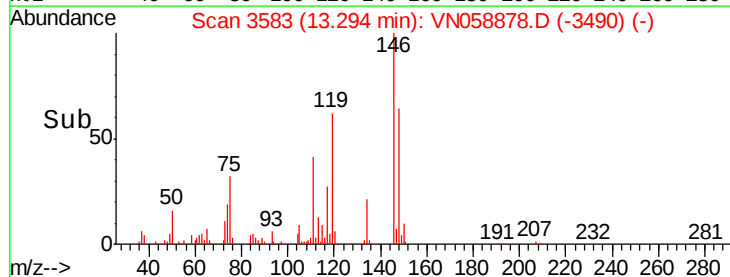
200000

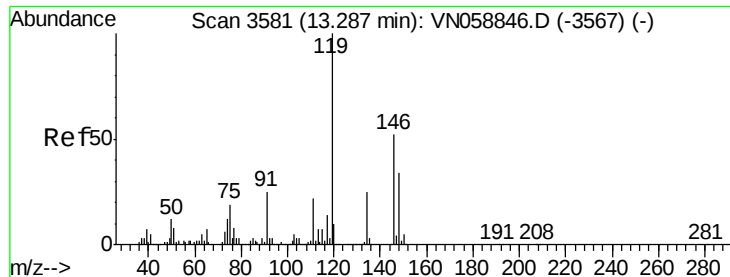
100000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 20.746 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

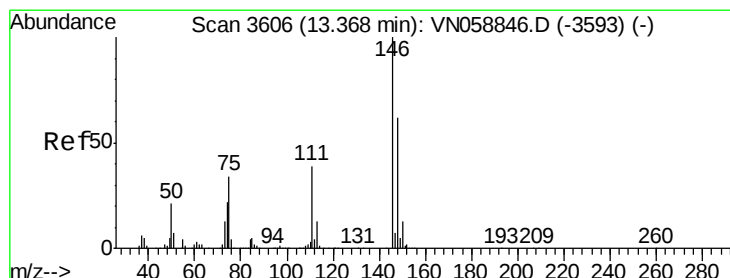
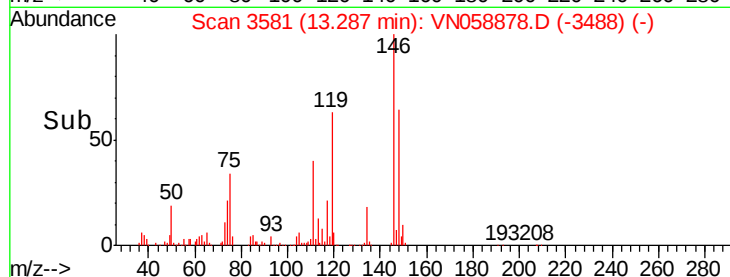
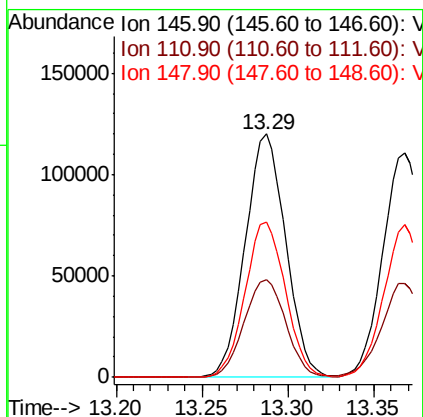
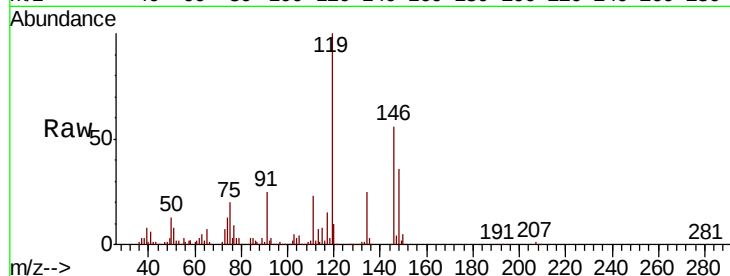
Tot Ion:146 Resp: 196593

Ion Ratio Lower Upper

146 100

111 41.3 21.0 63.0

148 63.6 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 19.739 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

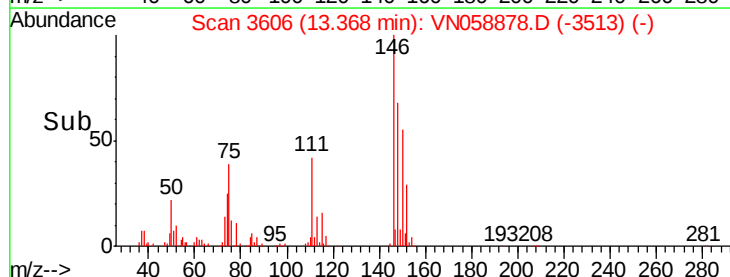
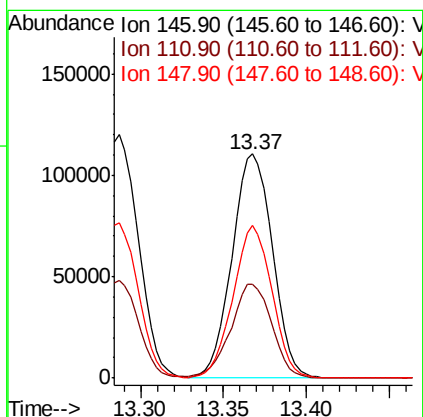
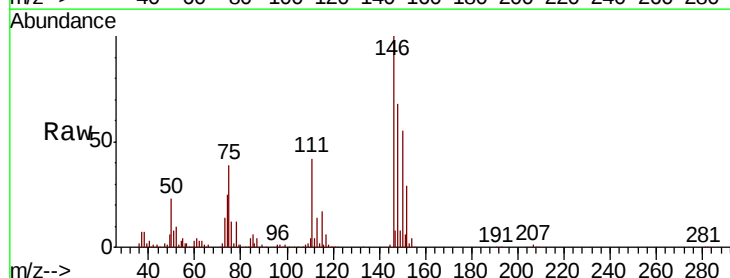
Tgt Ion:146 Resp: 187275

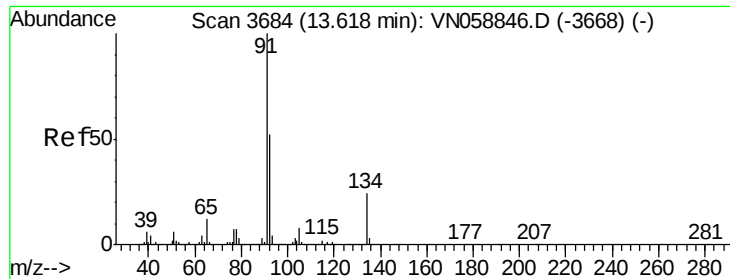
Ion Ratio Lower Upper

146 100

111 42.5 20.2 60.6

148 66.1 31.6 94.7





#89

n-Butylbenzene

Concen: 20.664 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

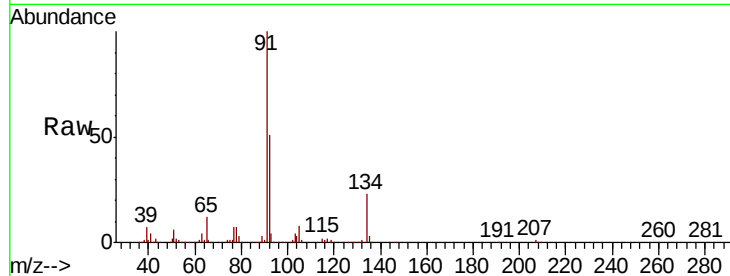
Tot Ion: 91 Resp: 344958

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.1

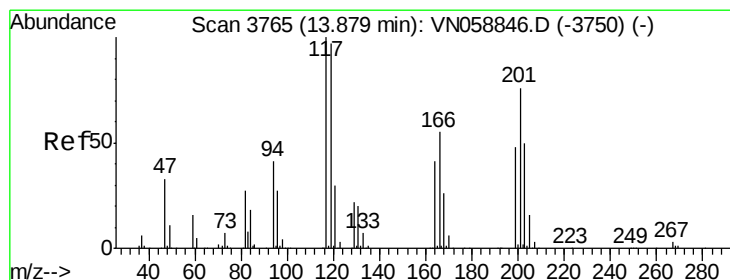
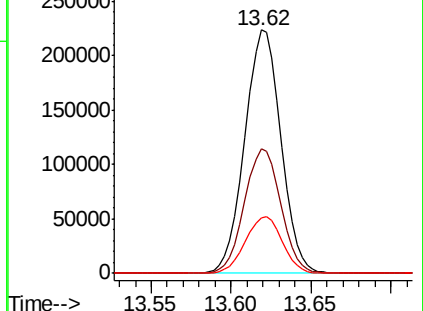
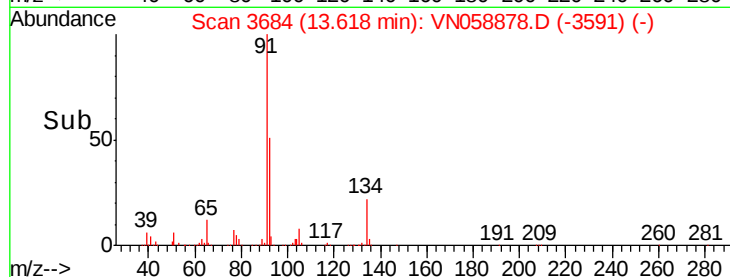
134 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058878.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058878.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058878.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.538 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058878.D

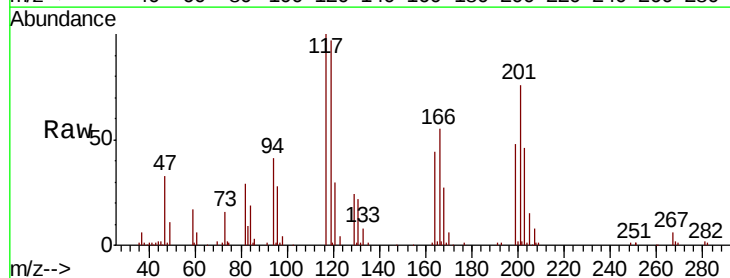
Acq: 21 Oct 2019 11:27

Tgt Ion: 117 Resp: 75629

Ion Ratio Lower Upper

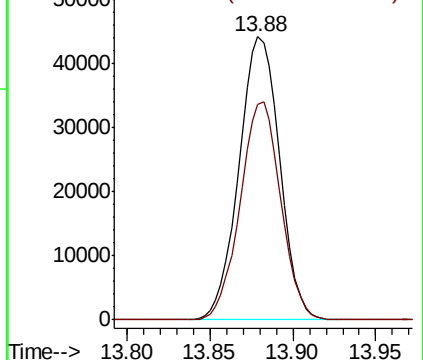
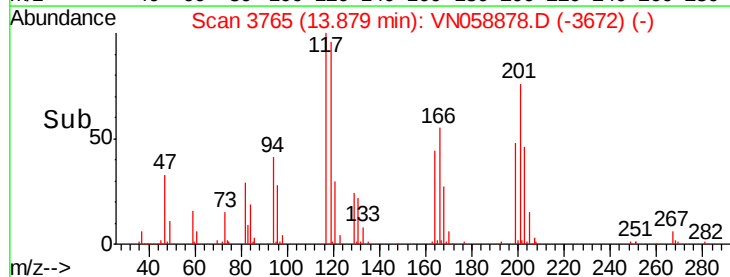
117 100

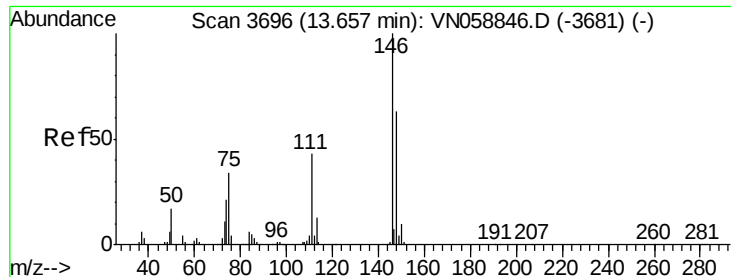
201 76.6 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058878.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058878.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 20.665 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

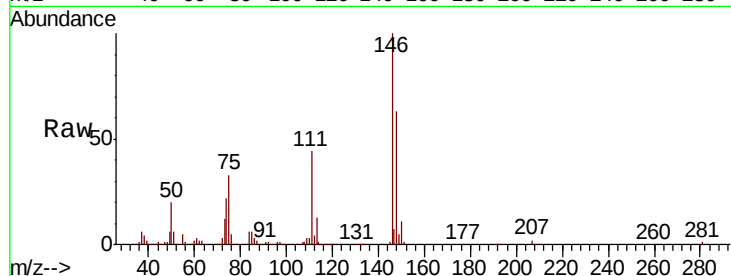
Tot Ion:146 Resp: 192469

Ion Ratio Lower Upper

146 100

111 43.5 21.6 64.8

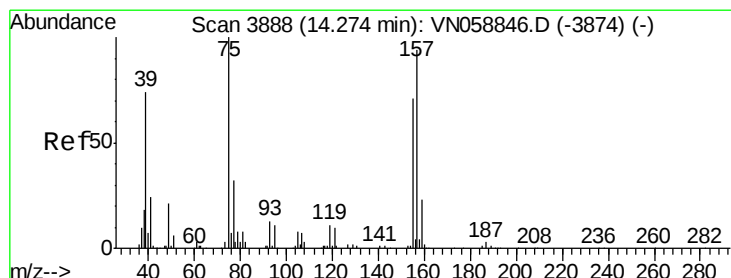
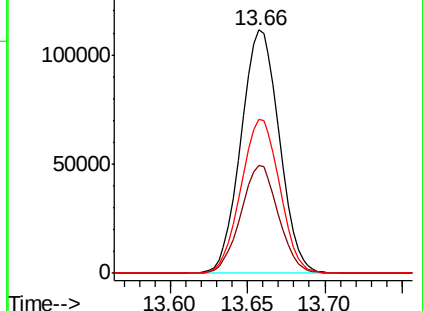
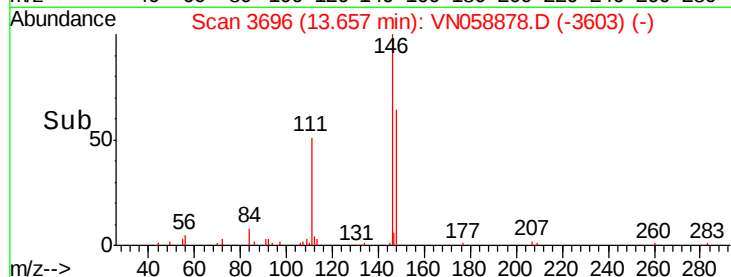
148 63.9 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.410 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

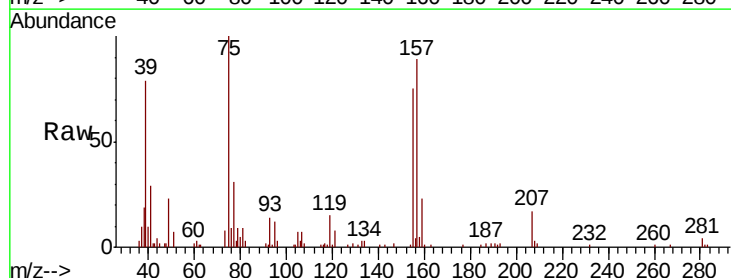
Tgt Ion: 75 Resp: 33191

Ion Ratio Lower Upper

75 100

155 77.9 35.6 106.8

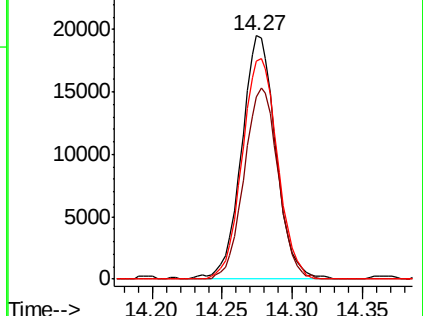
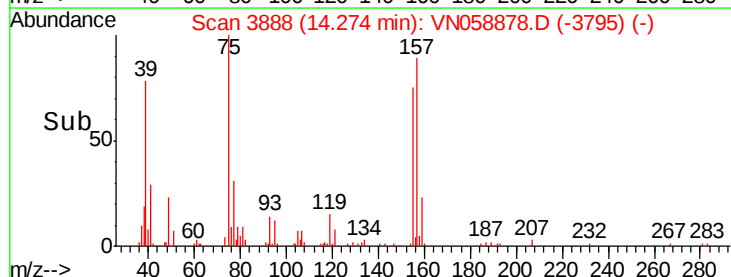
157 93.4 47.4 142.2

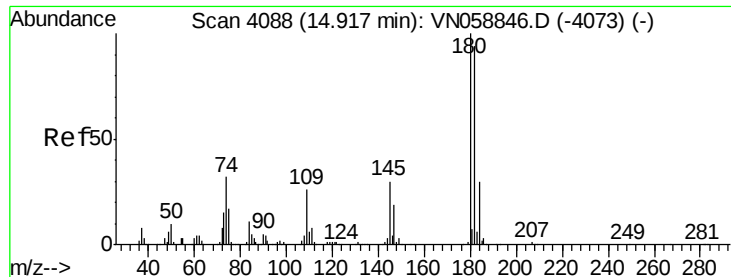


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

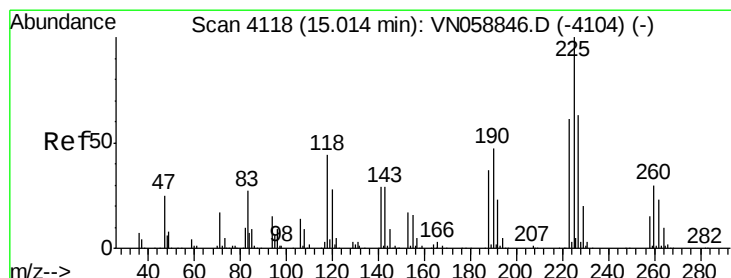
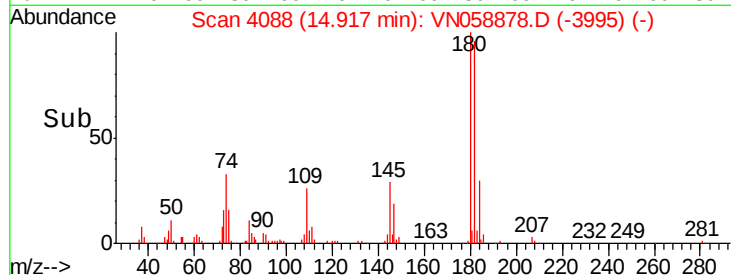
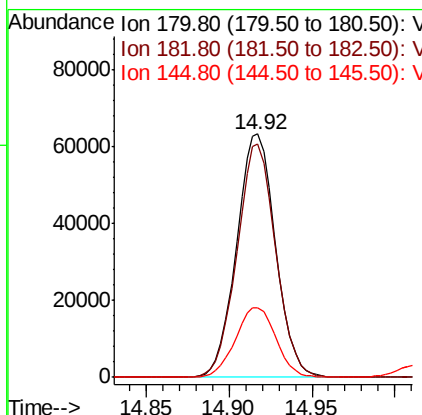
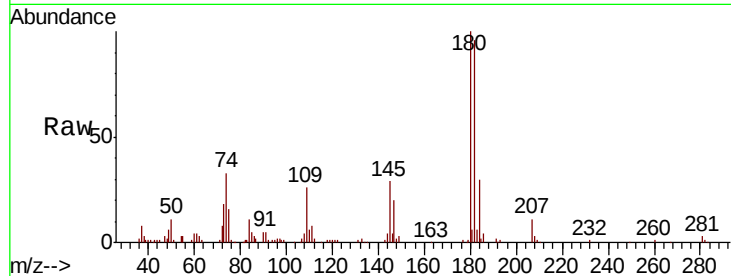




#93
 1,2,4-Trichlorobenzene
 Concen: 19.183 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

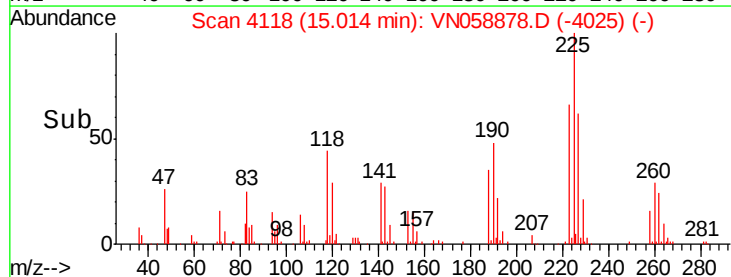
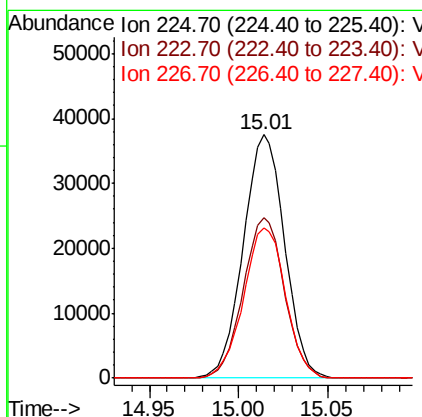
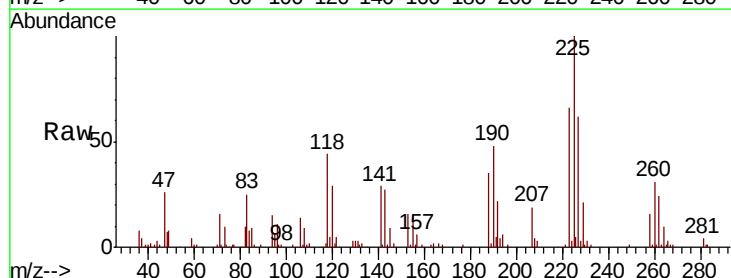
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBS01

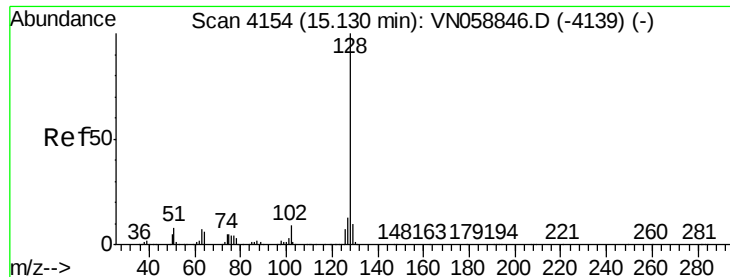
Tot Ion:180 Resp: 102884
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.3 142.0
 145 29.9 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 20.073 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058878.D
 Acq: 21 Oct 2019 11:27

Tgt Ion:225 Resp: 60597
 Ion Ratio Lower Upper
 225 100
 223 65.5 30.9 92.5
 227 62.7 31.6 94.7





#95

Naphthalene

Concen: 18.489 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBS01

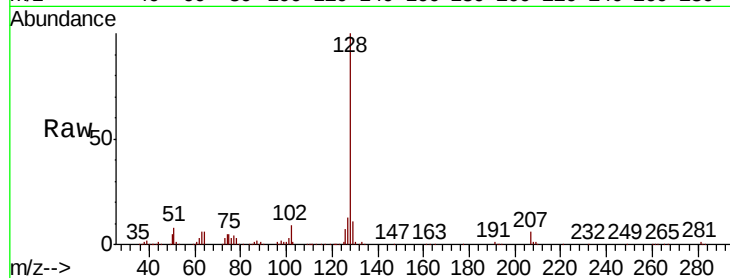
Tot Ion:128 Resp: 286846

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

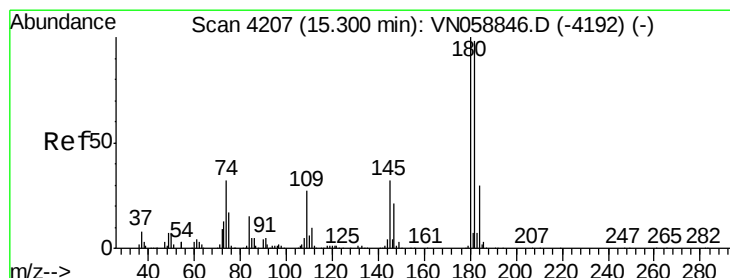
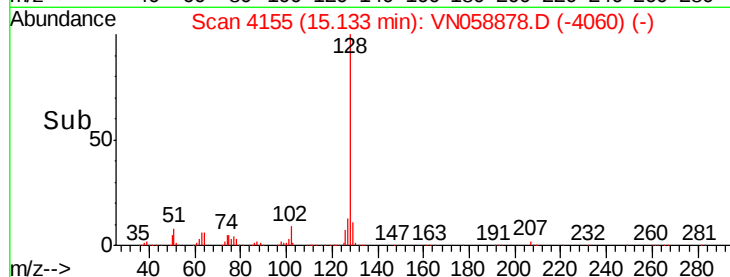
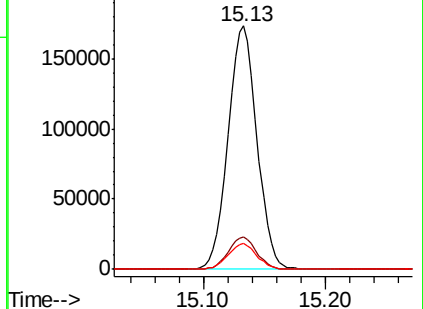
129 10.6 8.4 12.6



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: 19.537 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058878.D

Acq: 21 Oct 2019 11:27

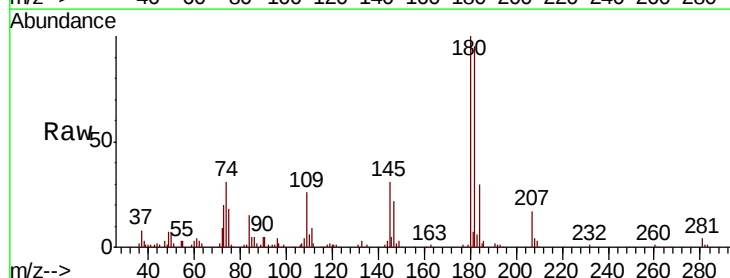
Tgt Ion:180 Resp: 102774

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 32.3 15.9 47.7



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

