

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058285.D
 Acq On : 23 Sep 2019 12:34
 Operator : JC/SP
 Sample : VN0923WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Quant Time: Sep 24 01:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	437036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	760113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	323120	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	330983	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.58	113	238173	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.09	98	923380	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.41	95	325888	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	64627	18.001	ug/l	97
3) Chloromethane	2.04	50	56480	19.785	ug/l	99
4) Vinyl Chloride	2.17	62	61486	19.770	ug/l	99
5) Bromomethane	2.55	94	33544	21.360	ug/l	97
6) Chloroethane	2.69	64	41375	20.304	ug/l	93
7) Trichlorofluoromethane	3.00	101	94467	19.278	ug/l	95
8) Diethyl Ether	3.39	74	42529	18.941	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70134	19.850	ug/l	98
10) Methyl Iodide	3.93	142	54372	18.366	ug/l	99
11) Tert butyl alcohol	4.76	59	84561	116.786	ug/l	99
12) 1,1-Dichloroethene	3.72	96	54154	19.984	ug/l	98
13) Acrolein	3.59	56	19297	179.834	ug/l	96
14) Allyl chloride	4.30	41	107691	18.627	ug/l	97
15) Acrylonitrile	4.97	53	219299	113.678	ug/l	99
16) Acetone	3.80	43	191376	92.623	ug/l	97
17) Carbon Disulfide	4.04	76	67619	18.090	ug/l	99
18) Methyl Acetate	4.31	43	118482	21.792	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	277384	20.816	ug/l	99
20) Methylene Chloride	4.53	84	78272	21.511	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	58100	19.641	ug/l	97
22) Diisopropyl ether	5.93	45	301172	20.508	ug/l	95
23) Vinyl Acetate	5.88	43	1082753	107.749	ug/l	100
24) 1,1-Dichloroethane	5.83	63	159224	20.314	ug/l	100
25) 2-Butanone	6.82	43	306496	108.882	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118437	17.811	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	87565	19.758	ug/l	98
28) Bromochloromethane	7.18	49	83768	22.592	ug/l	99
29) Tetrahydrofuran	7.19	42	188330	108.615	ug/l	100
30) Chloroform	7.36	83	171065	20.276	ug/l	100
31) Cyclohexane	7.64	56	105511	19.345	ug/l	# 96
32) 1,1,1-Trichloroethane	7.56	97	132547	20.637	ug/l	98
36) 1,1-Dichloropropene	7.78	75	97564	17.799	ug/l	100
37) Ethyl Acetate	6.91	43	122889	21.603	ug/l	99
38) Carbon Tetrachloride	7.76	117	102521	18.606	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	96473	18.248	ug/l	99
40) Benzene	8.03	78	318981	19.052	ug/l	98
41) Methacrylonitrile	7.16	41	60200	21.535	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	138758	19.751	ug/l	100
43) Isopropyl Acetate	8.15	43	207012	19.485	ug/l	99
44) Trichloroethene	8.82	130	78968	19.274	ug/l	100
45) 1,2-Dichloropropane	9.11	63	100307	20.062	ug/l	98
46) Dibromomethane	9.20	93	60707	19.970	ug/l	98
47) Bromodichloromethane	9.40	83	127833	20.073	ug/l	96
48) Methyl methacrylate	9.19	41	98233	20.364	ug/l	98
49) 1,4-Dioxane	9.19	88	35367	446.565	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	663423	117.564	ug/l	99
52) Toluene	10.15	92	204550	19.494	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	123085	18.868	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	139625	19.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	97359	20.909	ug/l	98
56) Ethyl methacrylate	10.43	69	136272	20.283	ug/l	99
57) 1,3-Dichloropropane	10.71	76	162812	20.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	347483	108.583	ug/l	99
59) 2-Hexanone	10.75	43	475994	113.574	ug/l	98
60) Dibromochloromethane	10.90	129	91223	20.364	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86727	20.098	ug/l	99
64) Tetrachloroethene	10.63	164	60256	17.938	ug/l	95
65) Chlorobenzene	11.43	112	230938	19.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89292	20.317	ug/l	99
67) Ethyl Benzene	11.51	91	405181	19.509	ug/l	100
68) m/p-Xylenes	11.62	106	289909	37.063	ug/l	95
69) o-Xylene	11.95	106	149139	19.390	ug/l	98
70) Styrene	11.97	104	256775	19.376	ug/l	99
71) Bromoform	12.13	173	57378	19.938	ug/l #	98
73) Isopropylbenzene	12.26	105	421739	20.852	ug/l	100
74) N-amyl acetate	12.07	43	184799	21.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	150285	22.189	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	176162	30.463	ug/l #	100
77) Bromobenzene	12.53	156	99667	19.591	ug/l	98
78) n-propylbenzene	12.60	91	487891	21.228	ug/l	99
79) 2-Chlorotoluene	12.68	91	292813	20.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	354873	20.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32332	20.496	ug/l	89
82) 4-Chlorotoluene	12.78	91	303211	20.082	ug/l	99
83) tert-Butylbenzene	13.00	119	316044	20.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	361253	21.225	ug/l	99
85) sec-Butylbenzene	13.18	105	418701	20.993	ug/l	100
86) p-Isopropyltoluene	13.30	119	367949	20.752	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	187419	20.169	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185726	19.578	ug/l	99
89) n-Butylbenzene	13.62	91	328083	19.517	ug/l	100
90) Hexachloroethane	13.88	117	58007	20.426	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	190214	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25954	21.285	ug/l	98

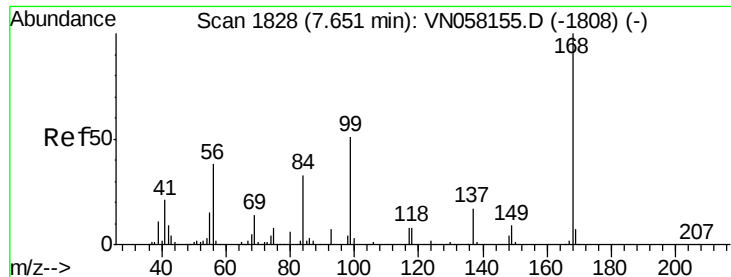
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
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Acq On : 23 Sep 2019 12:34
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Quant Time: Sep 24 01:30:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110970	18.633	ug/l	98
94) Hexachlorobutadiene	15.02	225	52117	18.106	ug/l	97
95) Naphthalene	15.14	128	314708	20.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104333	18.535	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

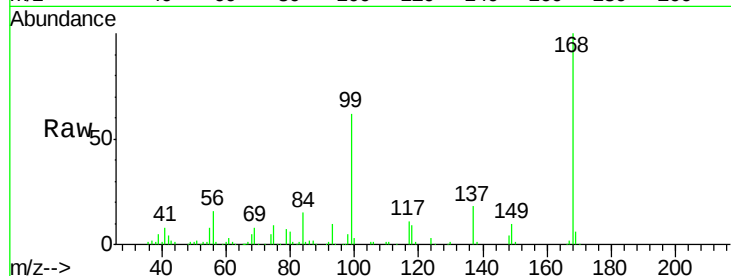
VN0923WBSD01

Tot Ion:168 Resp: 437036

Ion Ratio Lower Upper

168 100

99 62.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

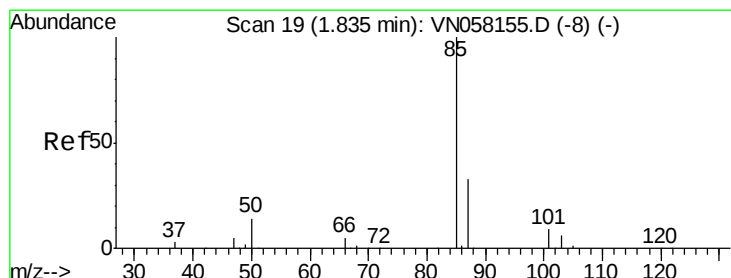
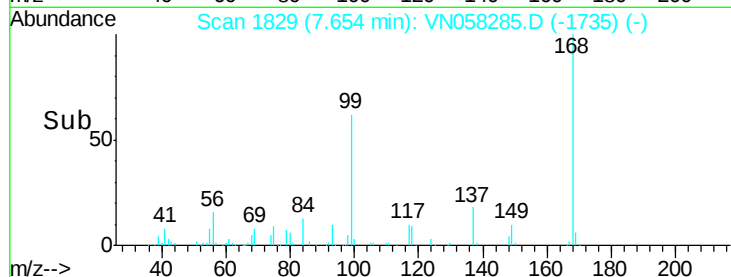
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.001 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058285.D

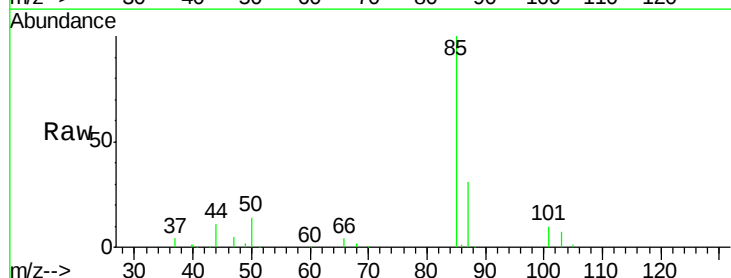
Acq: 23 Sep 2019 12:34

Tgt Ion: 85 Resp: 64627

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

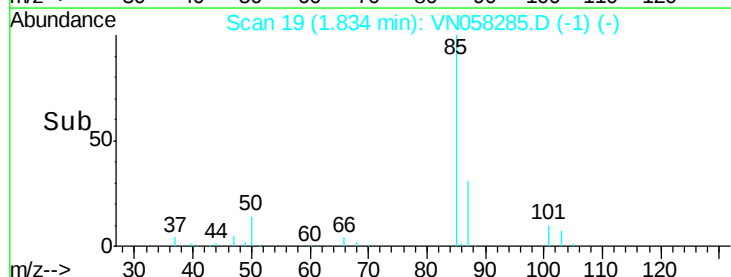
20000

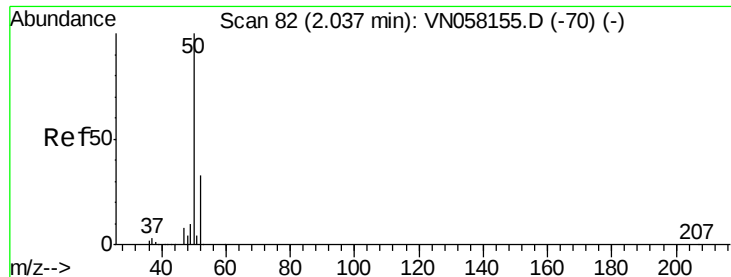
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.785 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

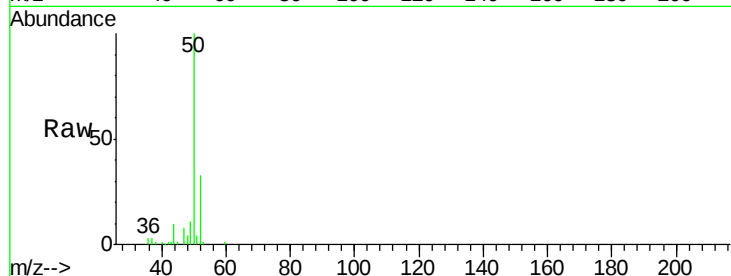
VN0923WBSD01

Tot Ion: 50 Resp: 56480

Ion Ratio Lower Upper

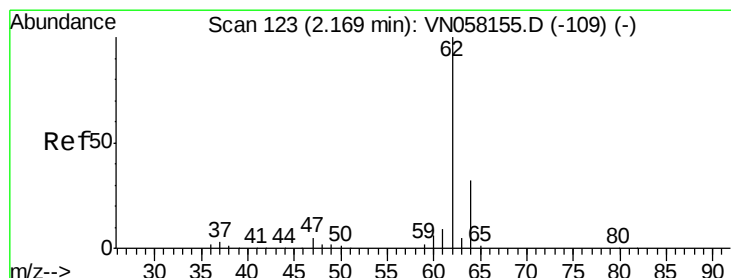
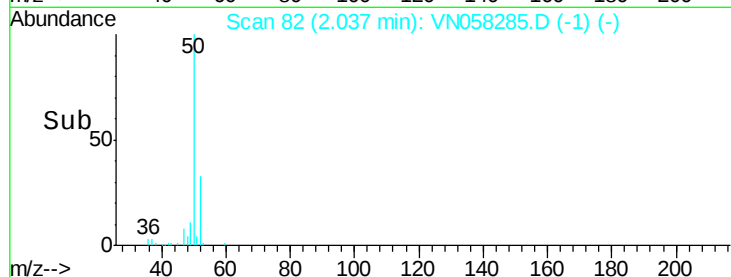
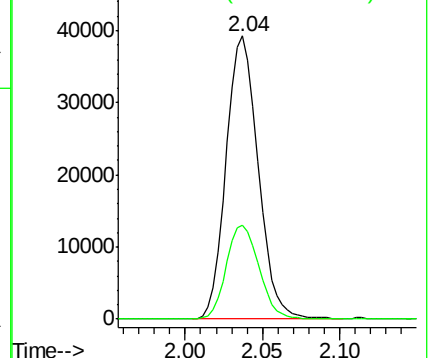
50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.770 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058285.D

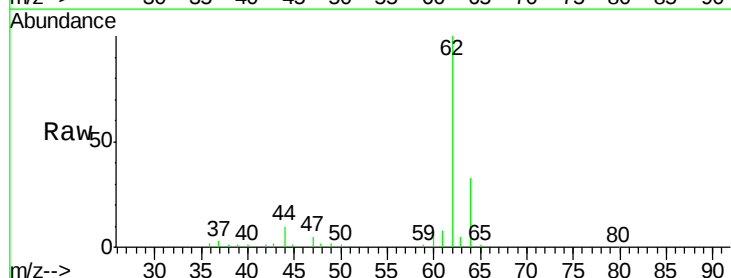
Acq: 23 Sep 2019 12:34

Tgt Ion: 62 Resp: 61486

Ion Ratio Lower Upper

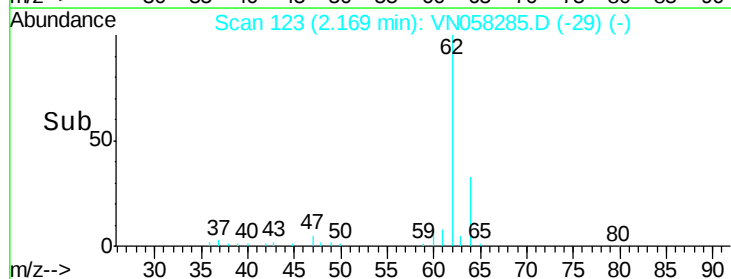
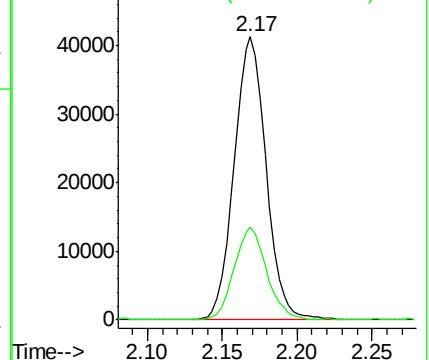
62 100

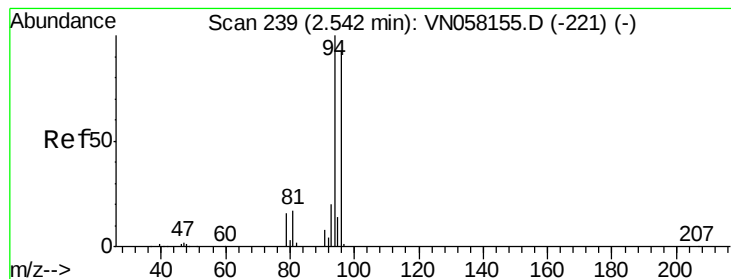
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.360 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

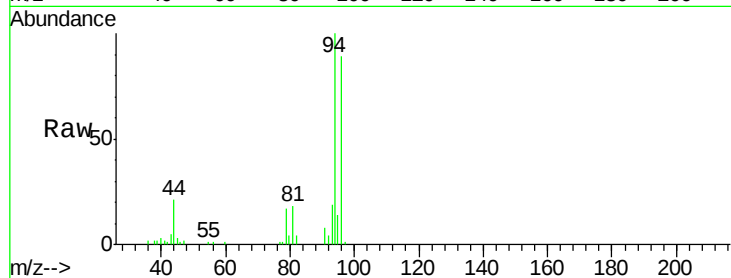
VN0923WBSD01

Tot Ion: 94 Resp: 33544

Ion Ratio Lower Upper

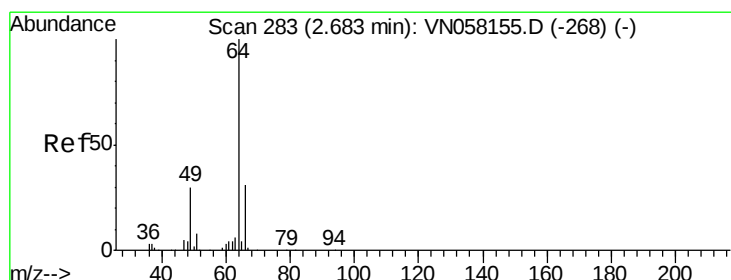
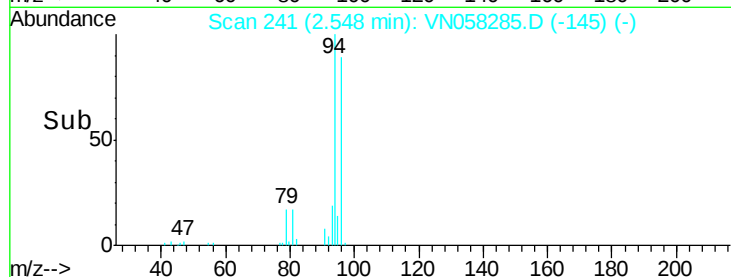
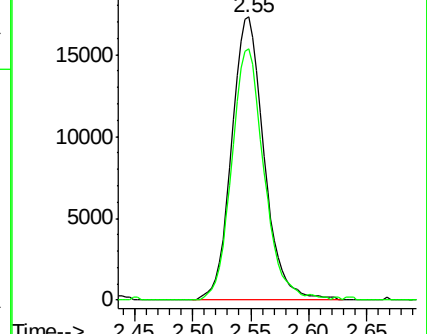
94 100

96 88.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.304 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058285.D

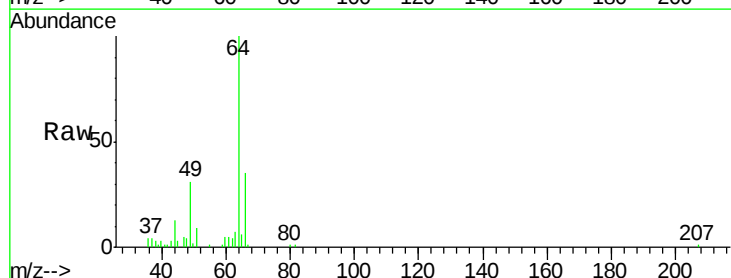
Acq: 23 Sep 2019 12:34

Tgt Ion: 64 Resp: 41375

Ion Ratio Lower Upper

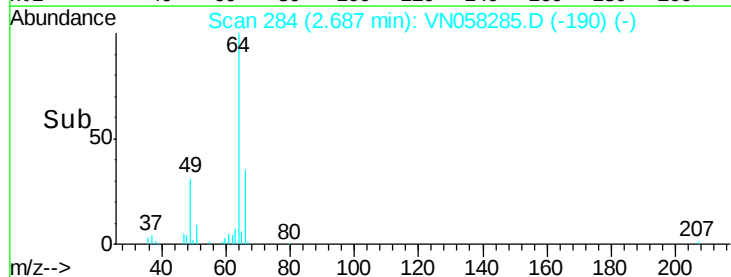
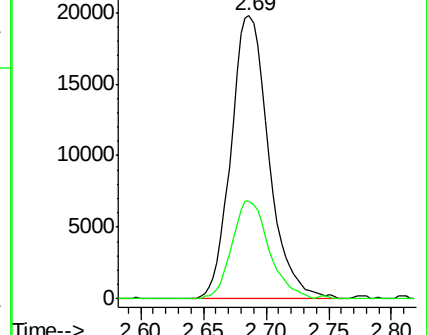
64 100

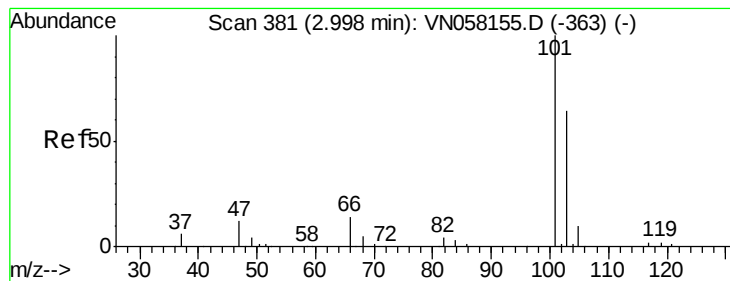
66 34.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



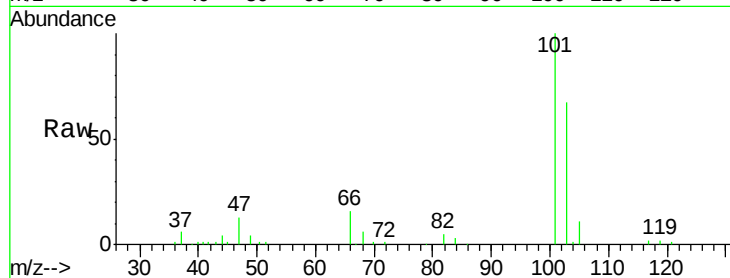


#7

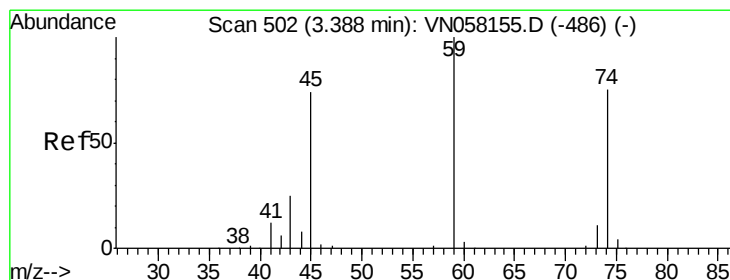
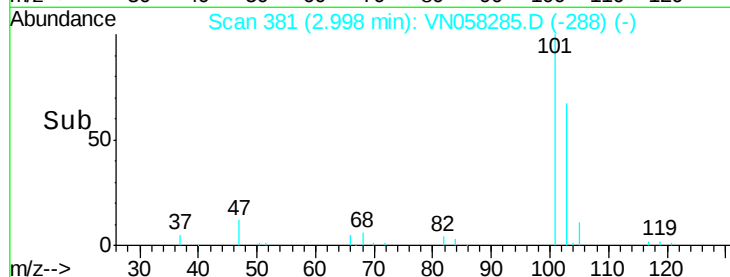
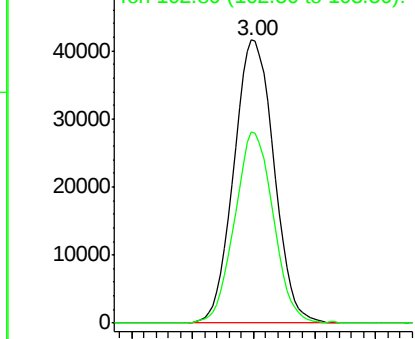
Trichlorofluoromethane
 Concen: 19.278 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Tot Ion:101 Resp: 94467
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.0 76.6



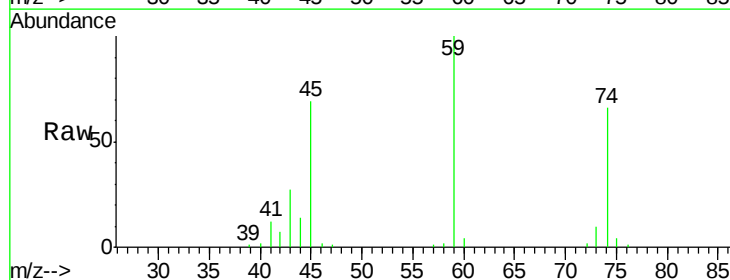
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



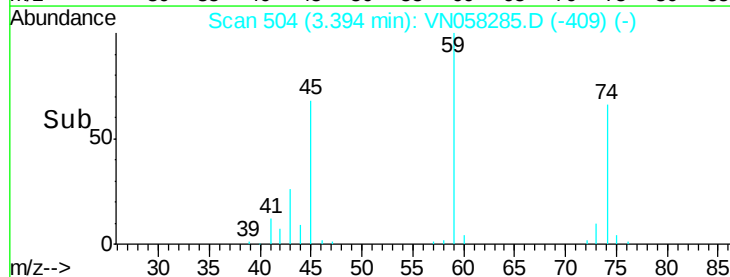
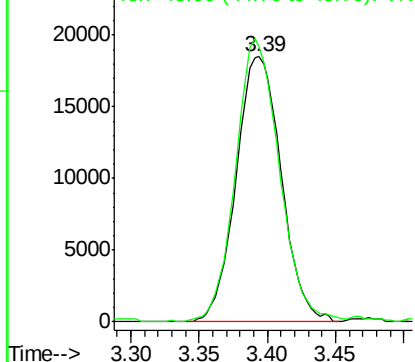
#8

Diethyl Ether
 Concen: 18.941 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 74 Resp: 42529
 Ion Ratio Lower Upper
 74 100
 45 104.0 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.850 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

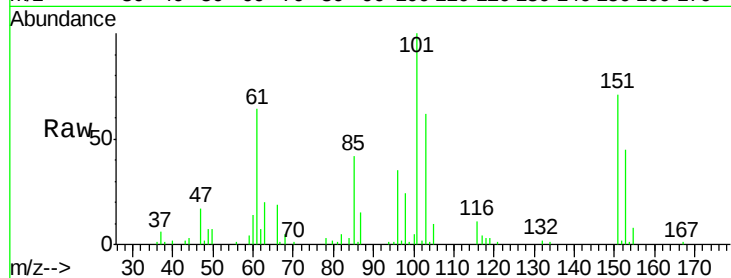
Tot Ion:101 Resp: 70134

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

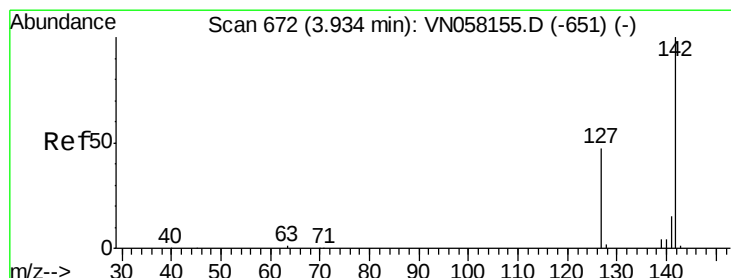
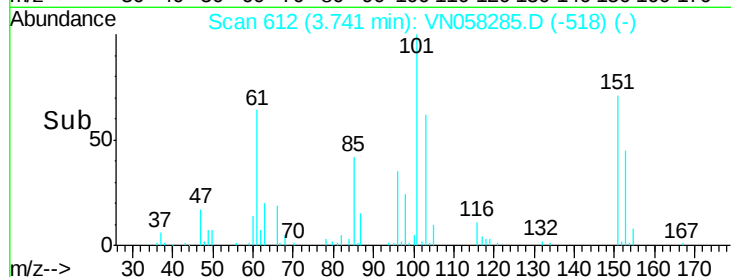
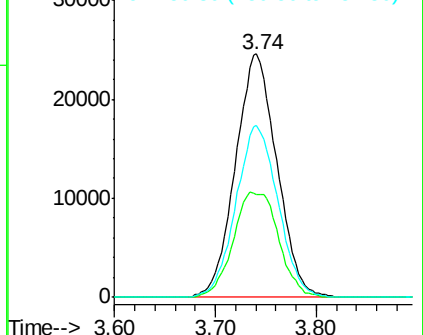
151 71.8 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.366 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

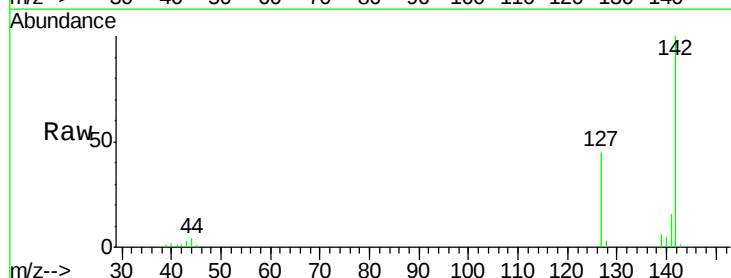
Tgt Ion:142 Resp: 54372

Ion Ratio Lower Upper

142 100

127 45.8 37.5 56.3

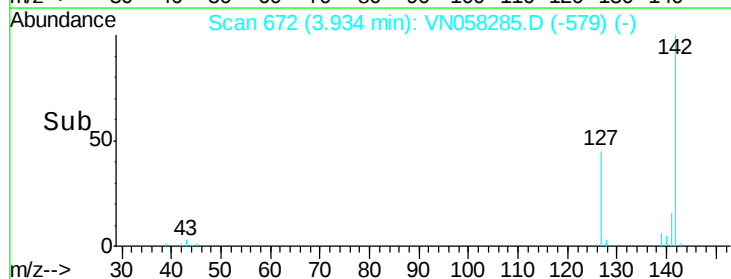
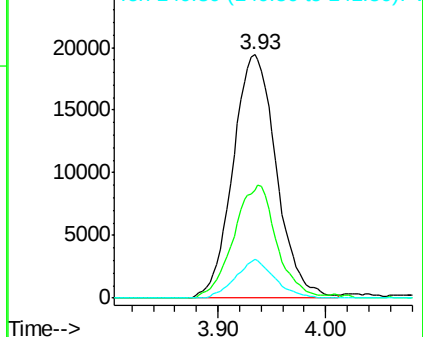
141 14.3 11.4 17.2

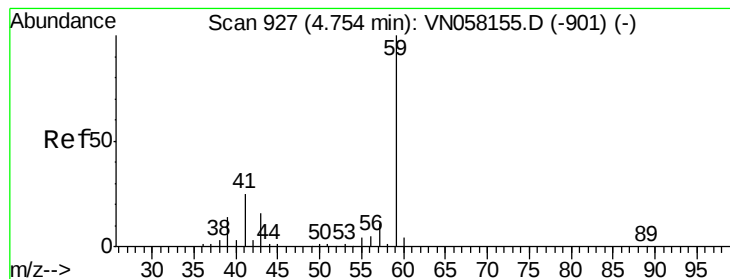


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



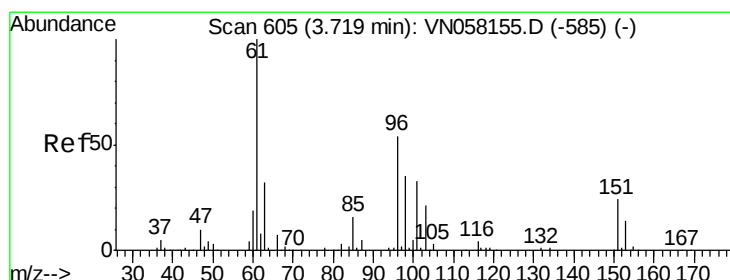
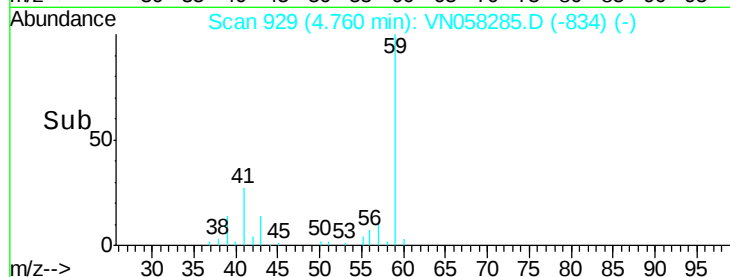
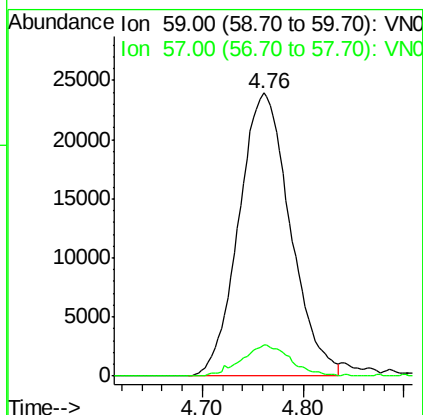
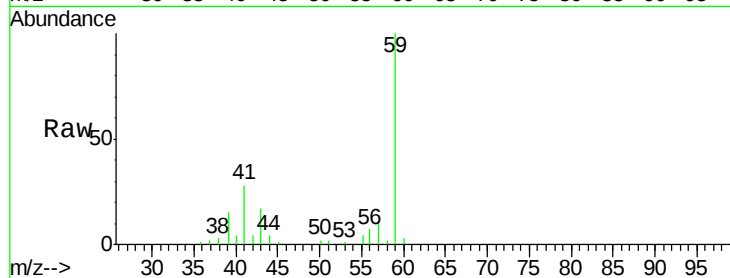


#11

Tert butyl alcohol
 Concen: 116.786 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBSD01

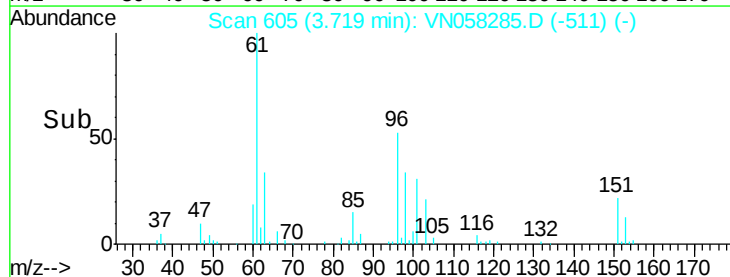
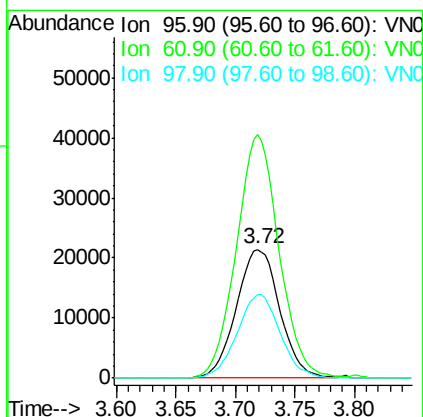
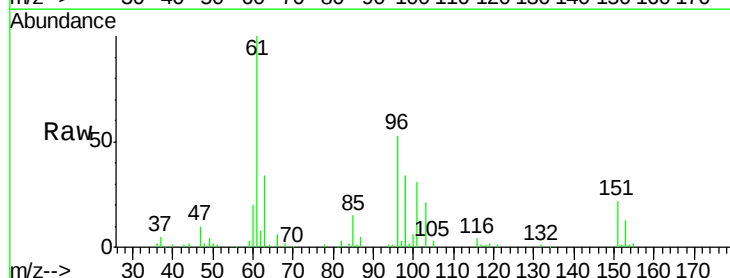
Tot Ion: 59 Resp: 84561
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 19.984 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 96 Resp: 54154
 Ion Ratio Lower Upper
 96 100
 61 189.6 149.5 224.3
 98 64.9 52.4 78.6





#13

Acrolein

Concen: 179.834 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

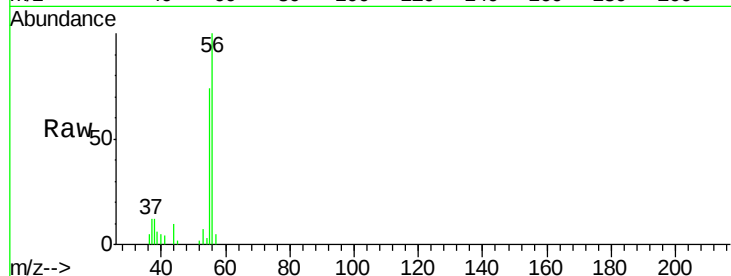
VN0923WBSD01

Tot Ion: 56 Resp: 19297

Ion Ratio Lower Upper

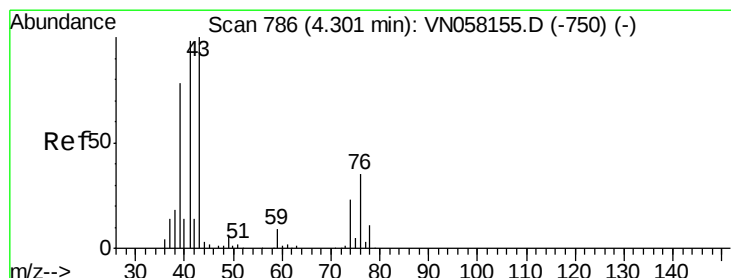
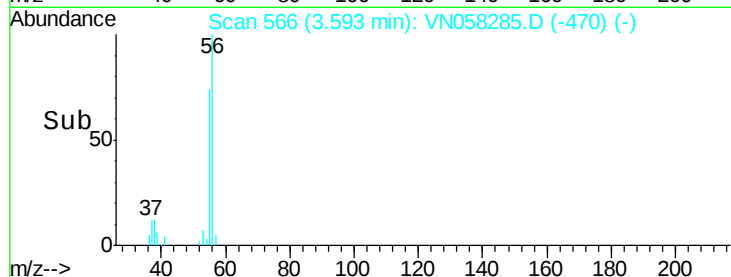
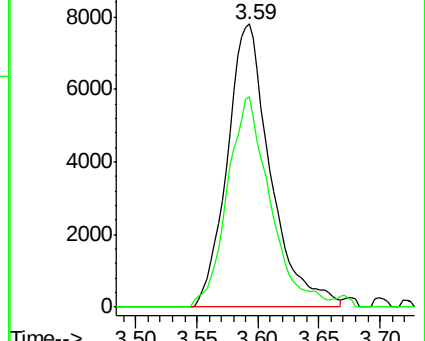
56 100

55 73.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.627 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

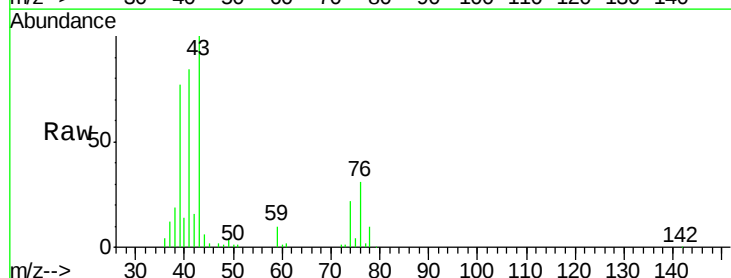
Tgt Ion: 41 Resp: 107691

Ion Ratio Lower Upper

41 100

39 77.8 59.1 88.7

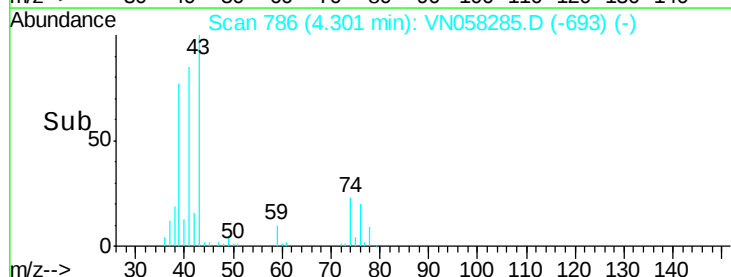
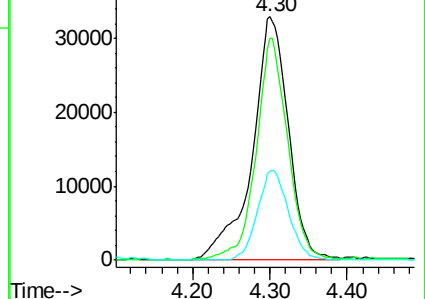
76 31.6 25.1 37.7

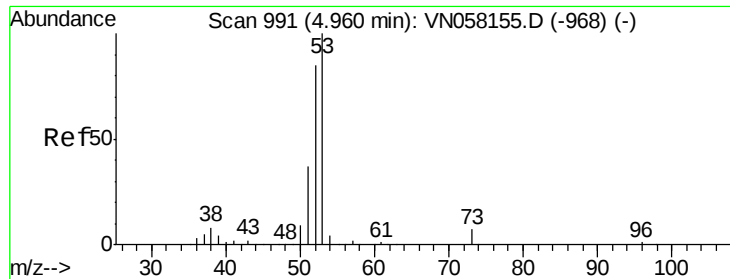


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.678 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

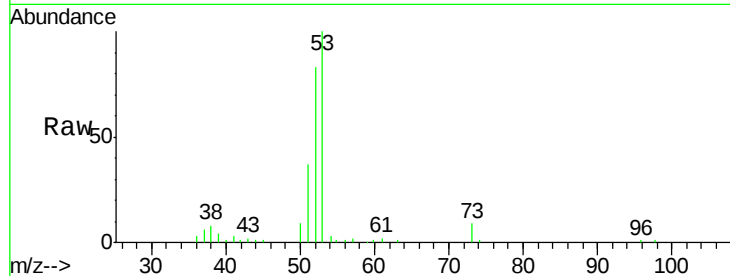
Tot Ion: 53 Resp: 219299

Ion Ratio Lower Upper

53 100

52 82.1 66.6 100.0

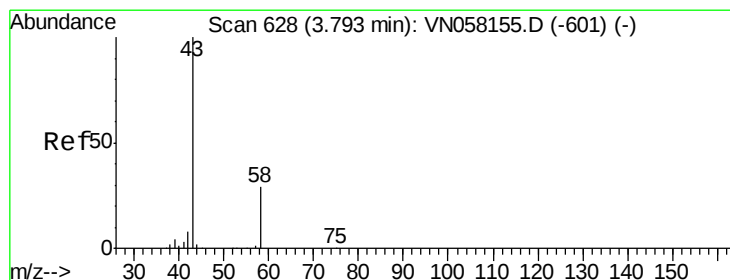
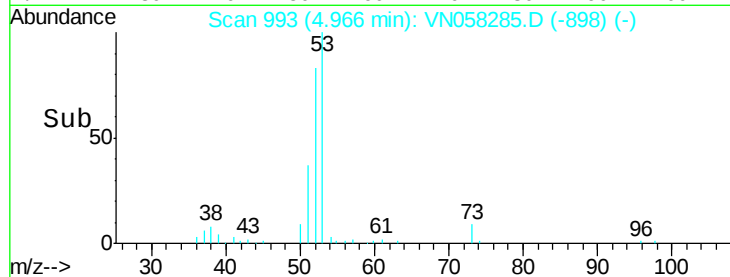
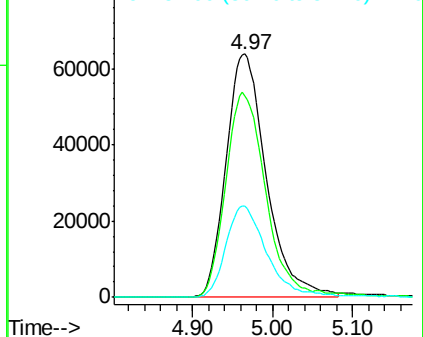
51 38.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.623 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058285.D

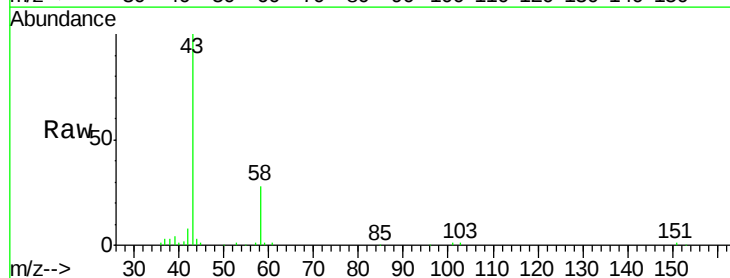
Acq: 23 Sep 2019 12:34

Tgt Ion: 43 Resp: 191376

Ion Ratio Lower Upper

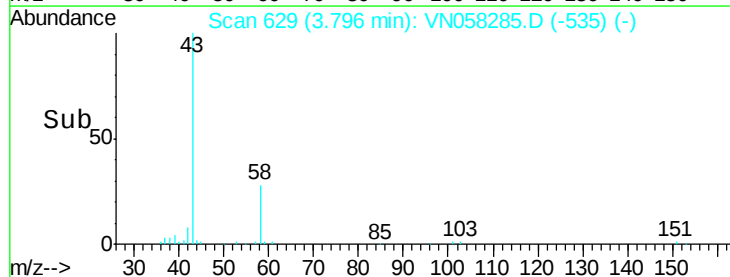
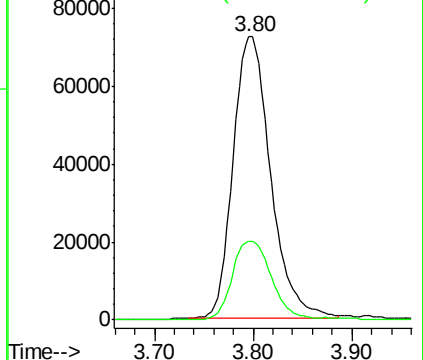
43 100

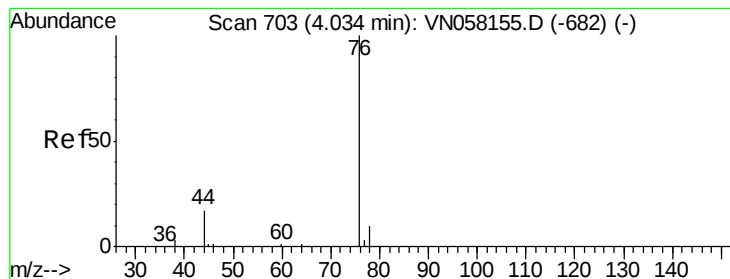
58 27.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.090 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

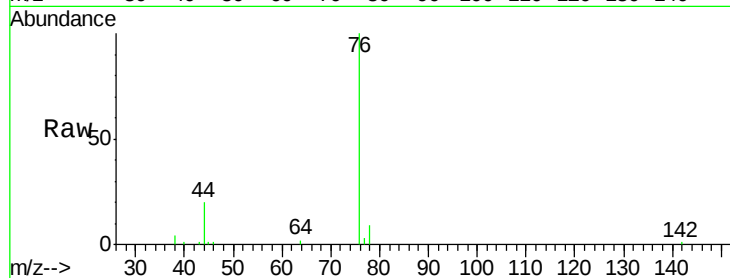
VN0923WBSD01

Tot Ion: 76 Resp: 67619

Ion Ratio Lower Upper

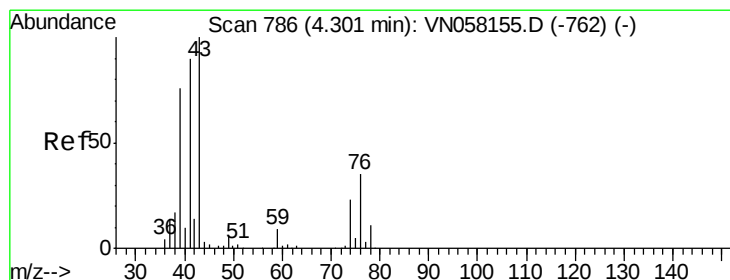
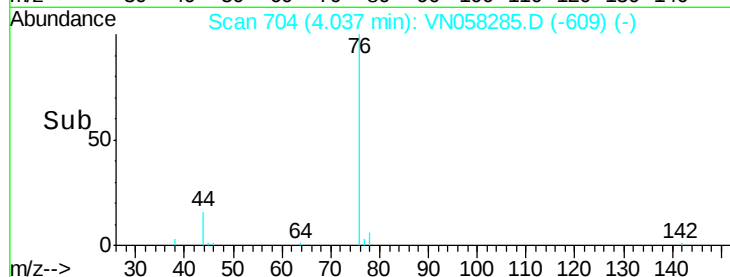
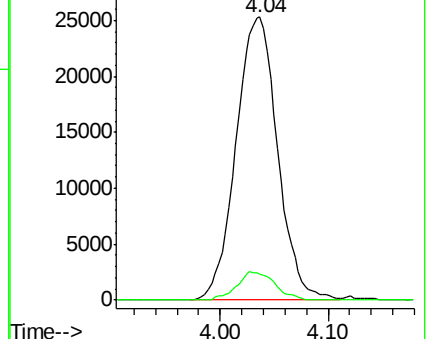
76 100

78 9.2 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.792 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058285.D

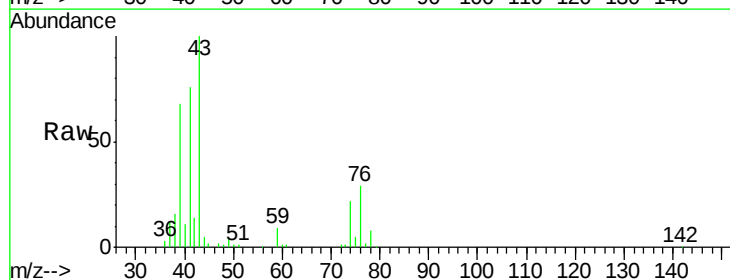
Acq: 23 Sep 2019 12:34

Tgt Ion: 43 Resp: 118482

Ion Ratio Lower Upper

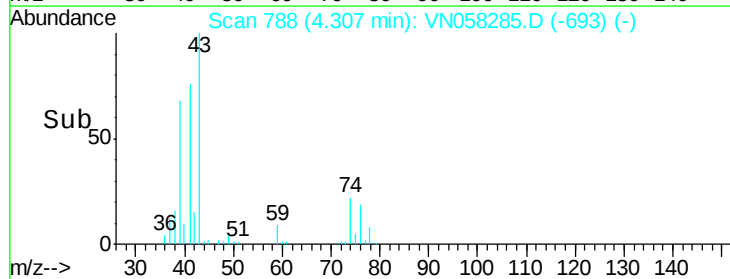
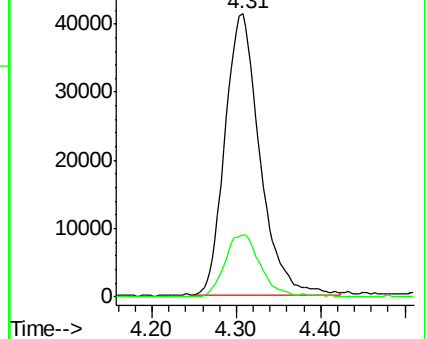
43 100

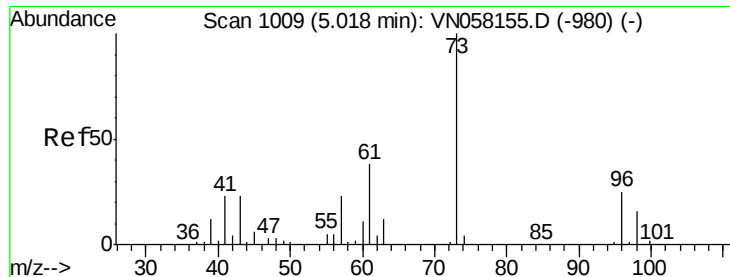
74 22.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

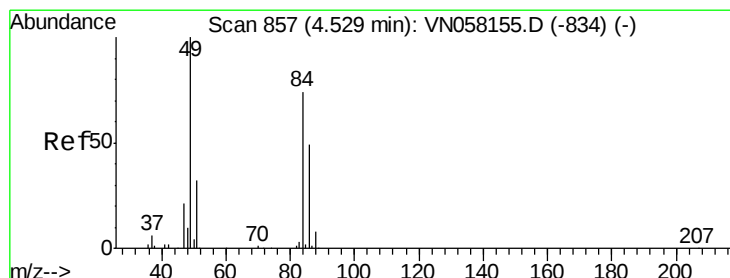
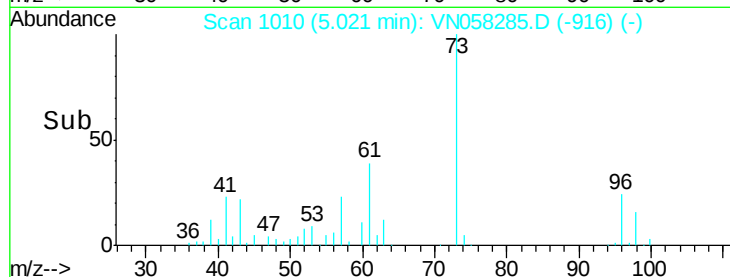
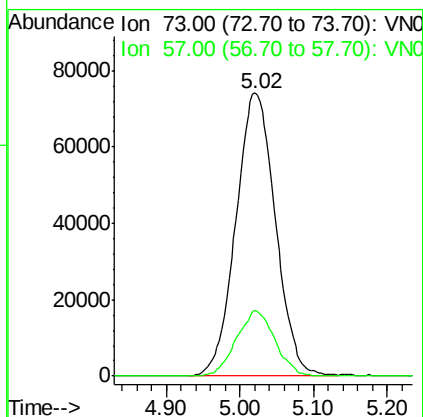
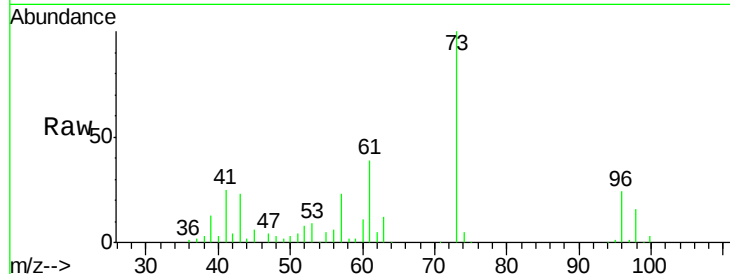




#19
Methvl tert-butvl Ether
Concen: 20.816 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

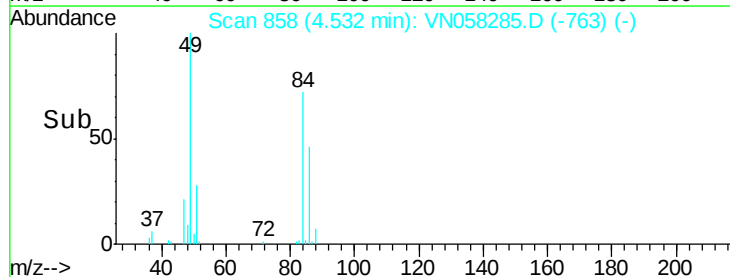
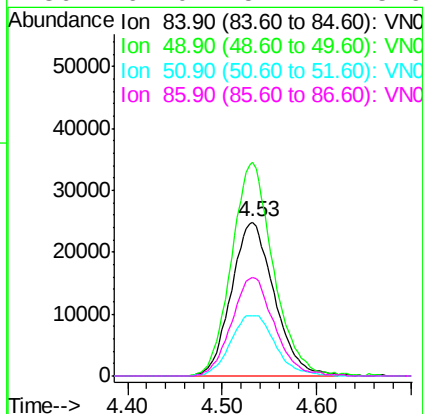
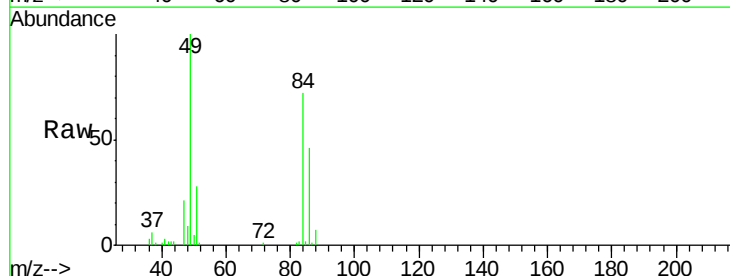
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD01

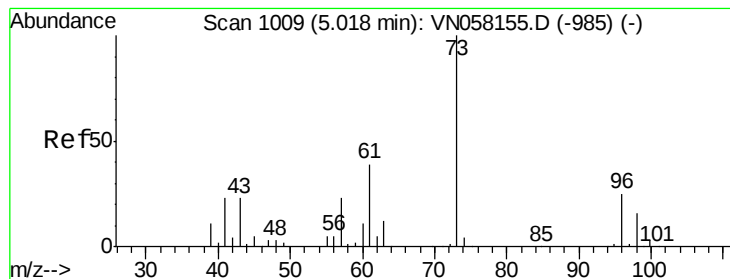
Tot Ion: 73 Resp: 277384
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 21.511 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 84 Resp: 78272
Ion Ratio Lower Upper
84 100
49 138.9 107.5 161.3
51 38.8 33.9 50.9
86 64.0 52.4 78.6



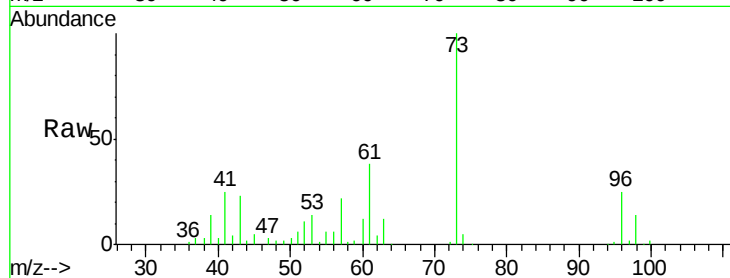


#21

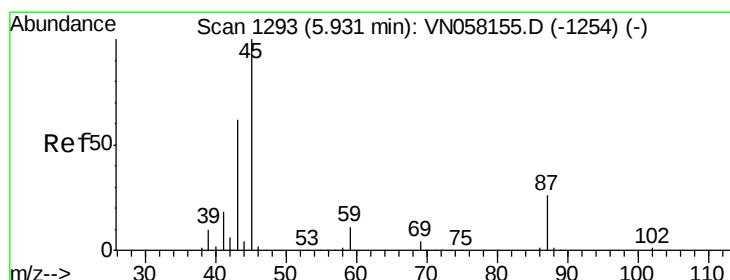
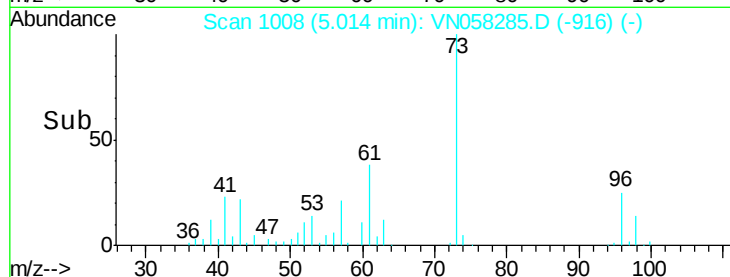
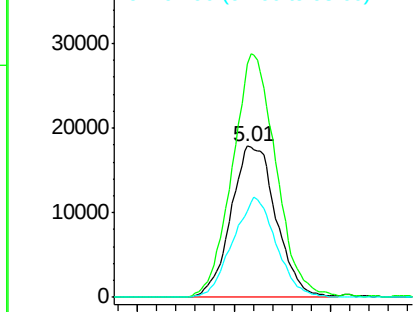
trans-1,2-Dichloroethene
Concen: 19.641 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD01

Tot Ion: 96 Resp: 58100
Ion Ratio Lower Upper
96 100
61 154.3 122.2 183.4
98 56.5 49.9 74.9



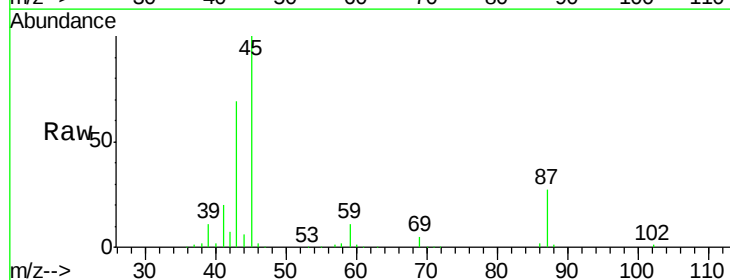
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



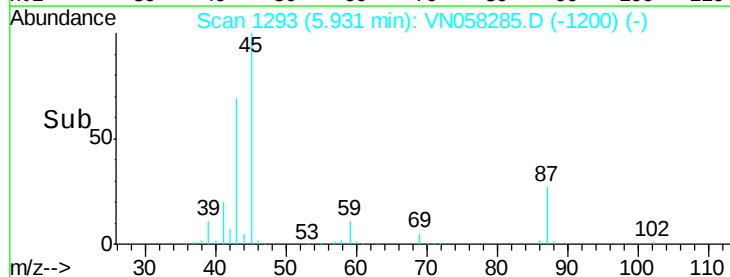
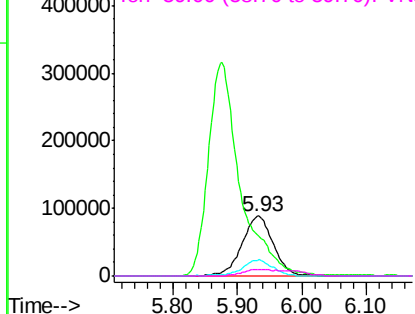
#22

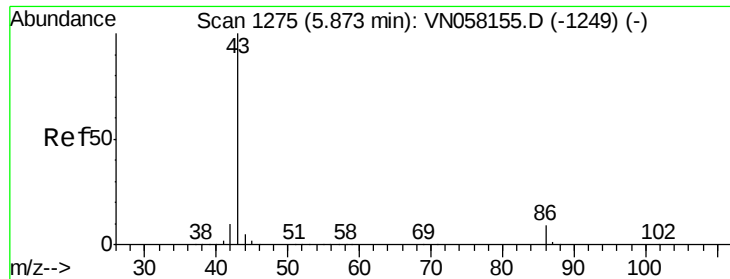
Diisopropyl ether
Concen: 20.508 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 45 Resp: 301172
Ion Ratio Lower Upper
45 100
43 67.7 49.7 74.5
87 26.7 20.7 31.1
59 10.8 9.1 13.7



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

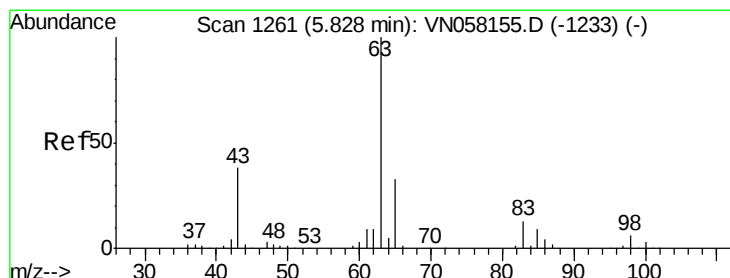
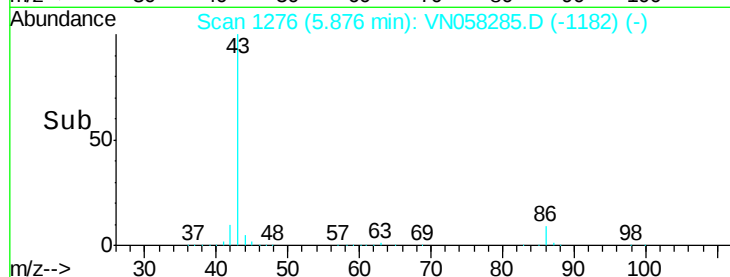
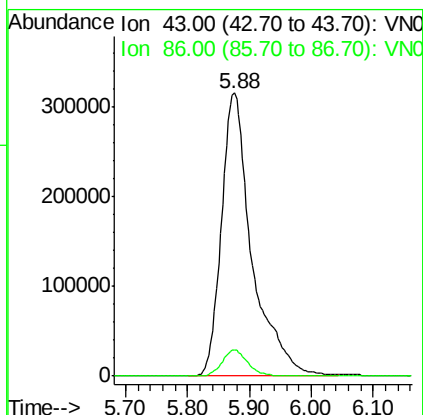
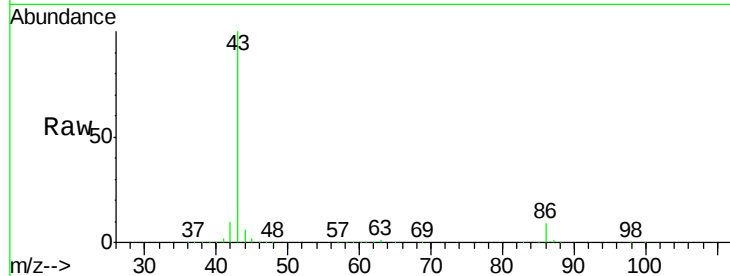




#23
 Vinyl Acetate
 Concen: 107.749 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

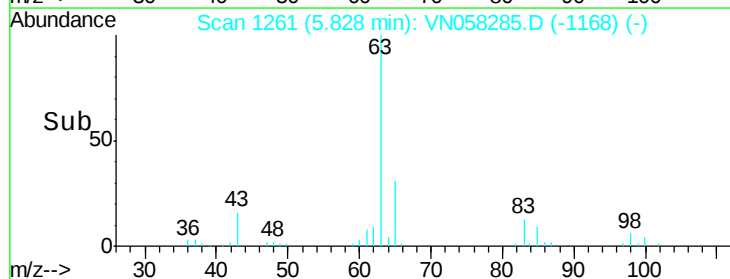
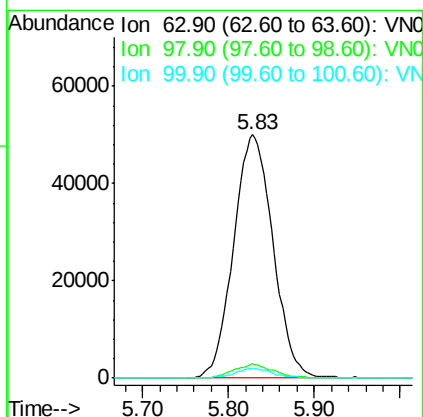
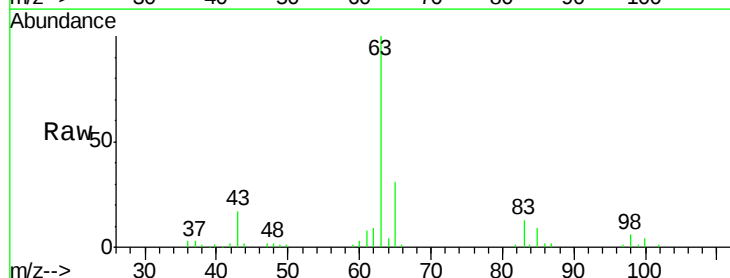
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

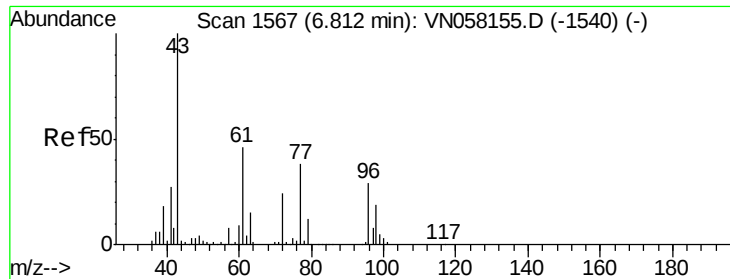
Tot Ion: 43 Resp: 1082753
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.314 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 63 Resp: 159224
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 108.882 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

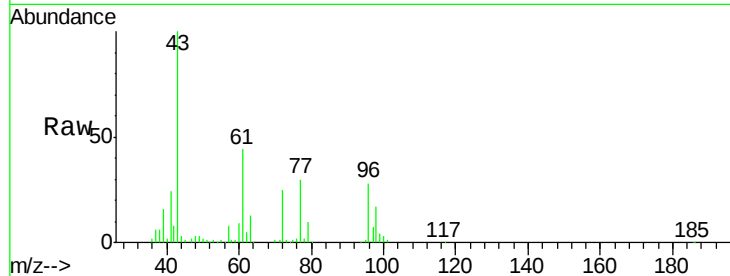
VN0923WBSD01

Tot Ion: 43 Resp: 306496

Ion Ratio Lower Upper

43 100

72 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

120000

100000

80000

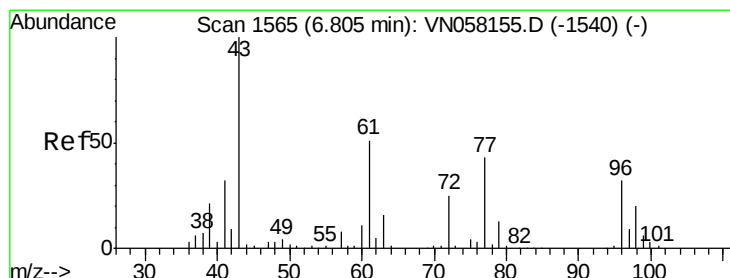
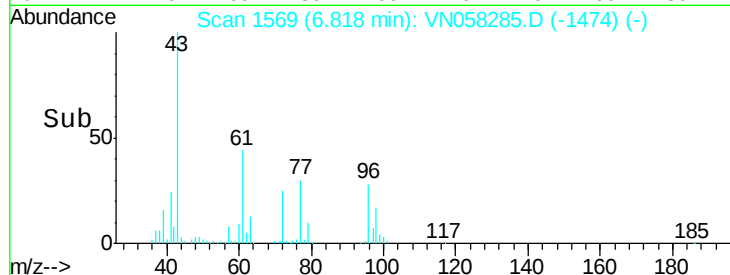
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.811 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058285.D

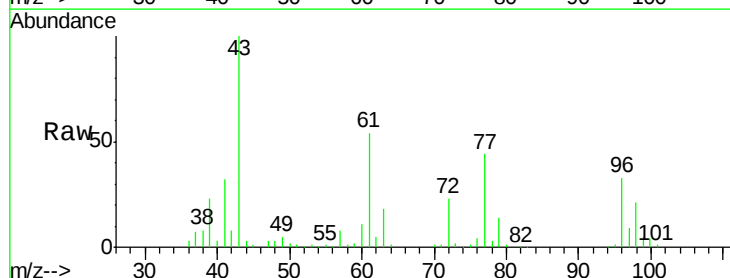
Acq: 23 Sep 2019 12:34

Tgt Ion: 77 Resp: 118437

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

40000

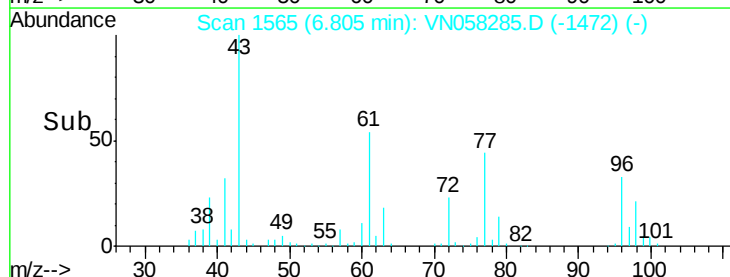
30000

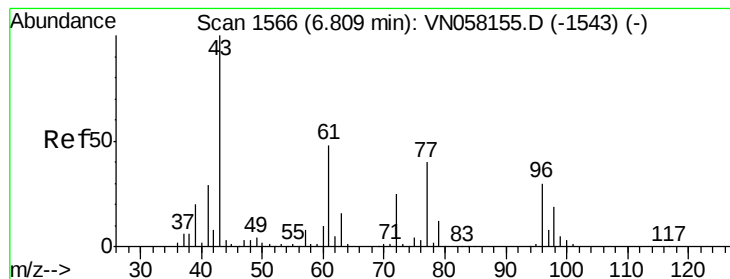
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.758 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

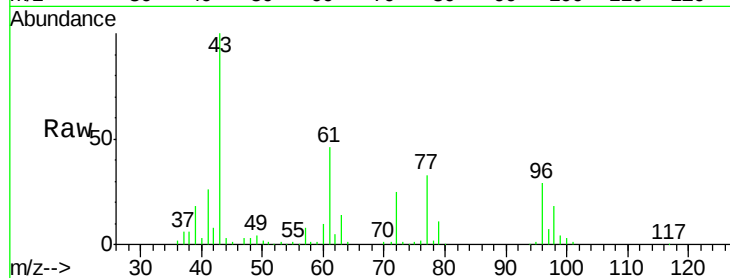
Tot Ion: 96 Resp: 87565

Ion Ratio Lower Upper

96 100

61 162.3 0.0 319.0

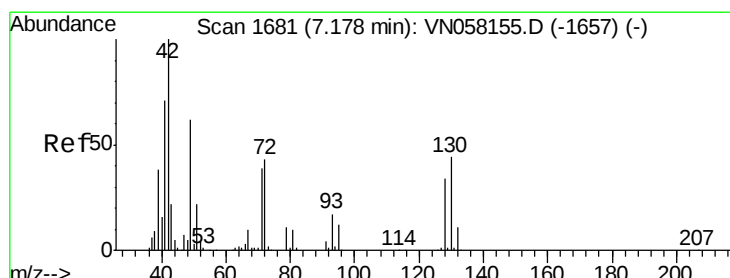
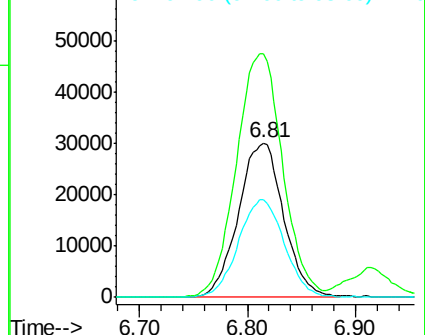
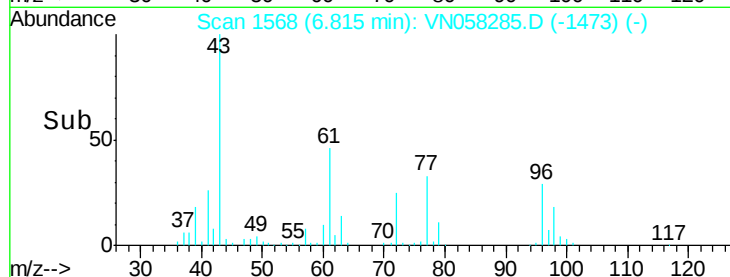
98 64.4 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.592 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

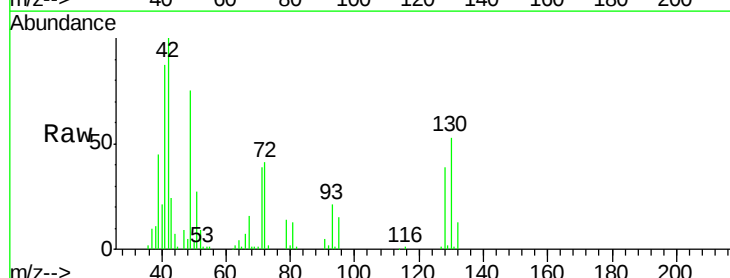
Tgt Ion: 49 Resp: 83768

Ion Ratio Lower Upper

49 100

129 1.3 0.0 1.8

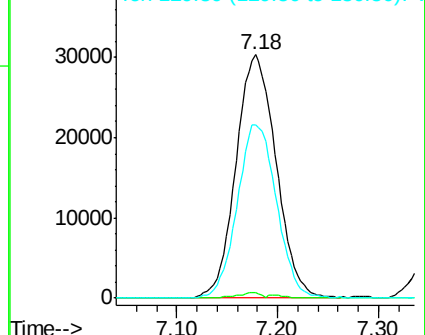
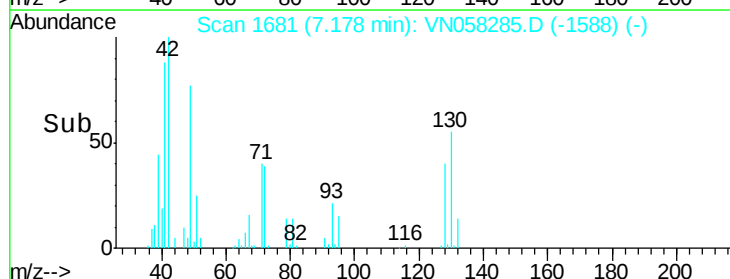
130 70.0 55.4 83.2

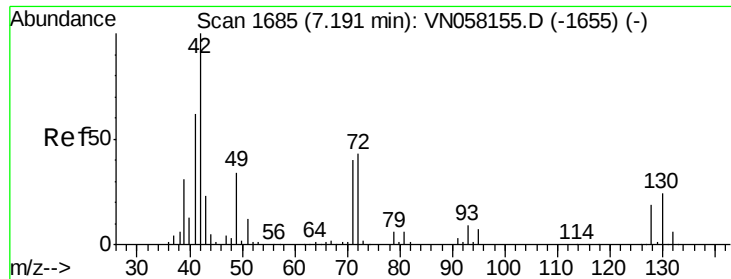


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.615 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

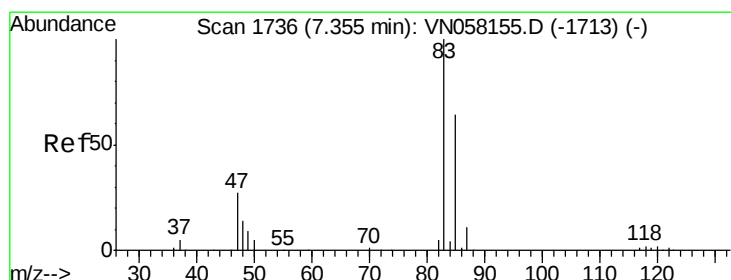
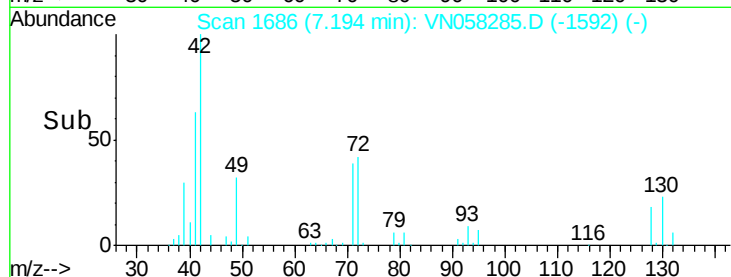
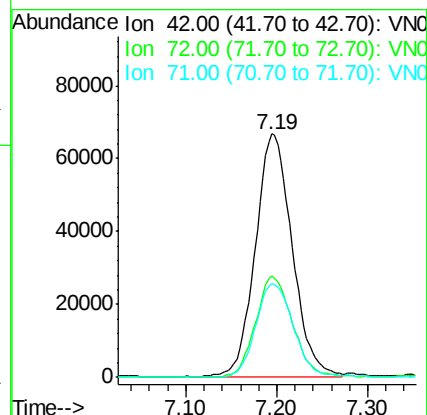
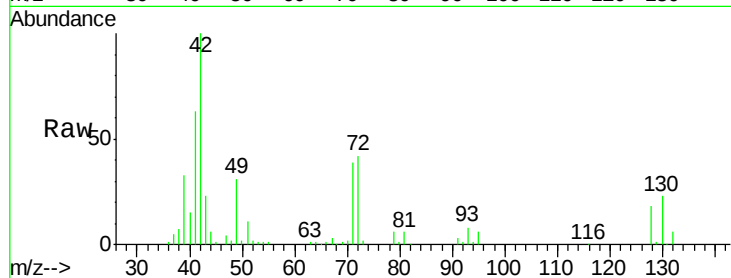
Tot Ion: 42 Resp: 188330

Ion Ratio Lower Upper

42 100

72 41.8 33.8 50.6

71 39.2 31.4 47.0



#30

Chloroform

Concen: 20.276 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058285.D

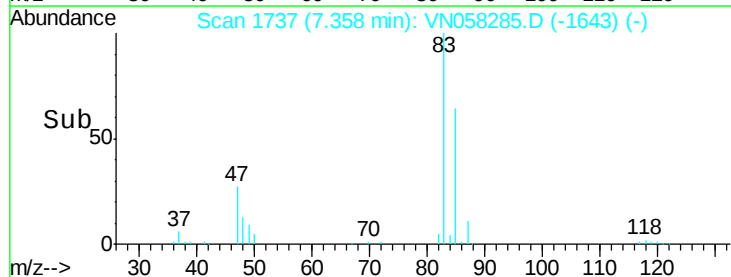
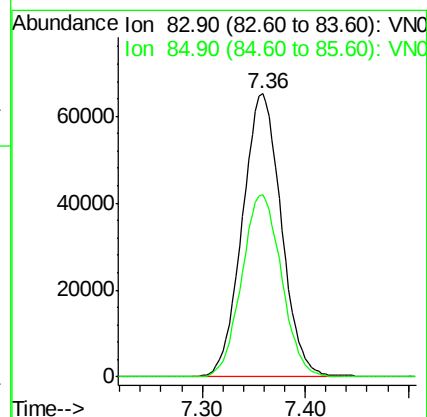
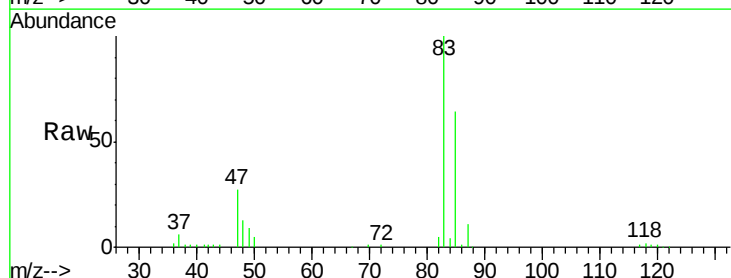
Acq: 23 Sep 2019 12:34

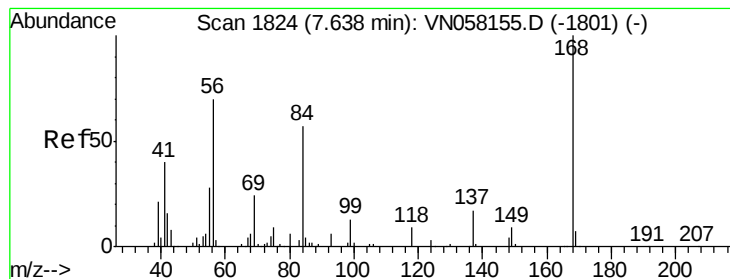
Tgt Ion: 83 Resp: 171065

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 19.345 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

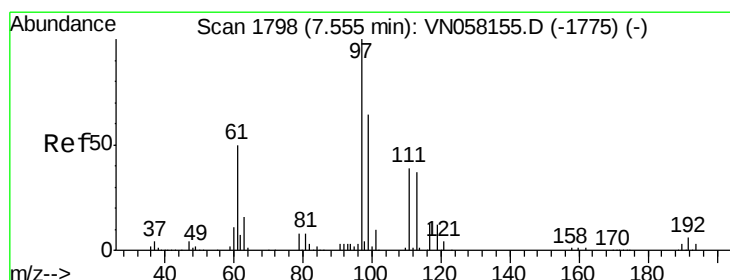
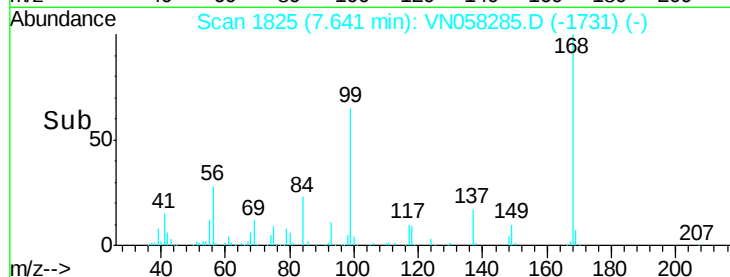
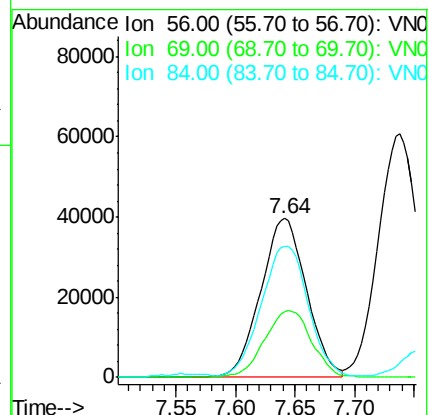
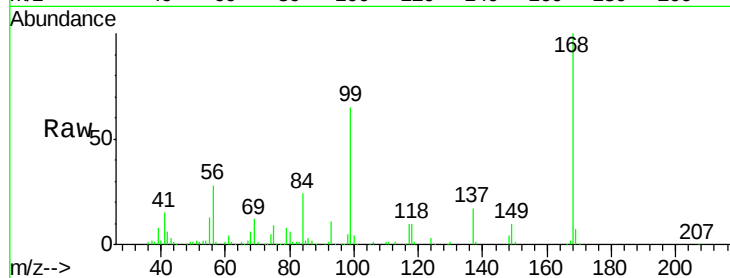
Tot Ion: 56 Resp: 105511

Ion Ratio Lower Upper

56 100

69 41.5 27.3 40.9#

84 80.7 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.637 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

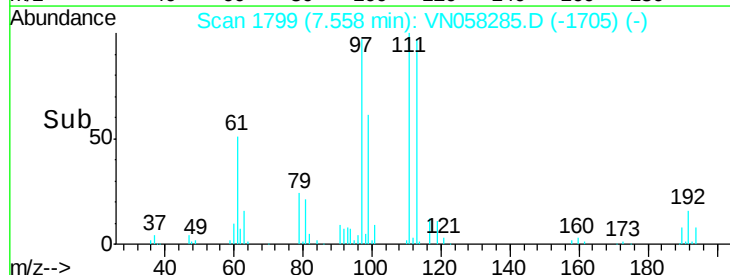
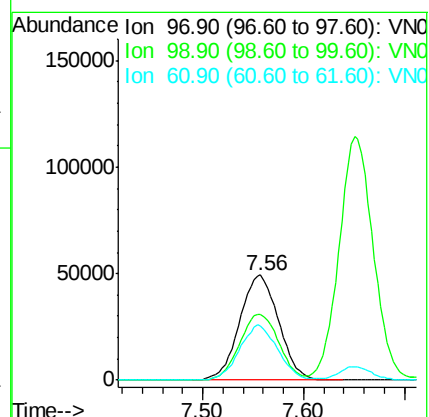
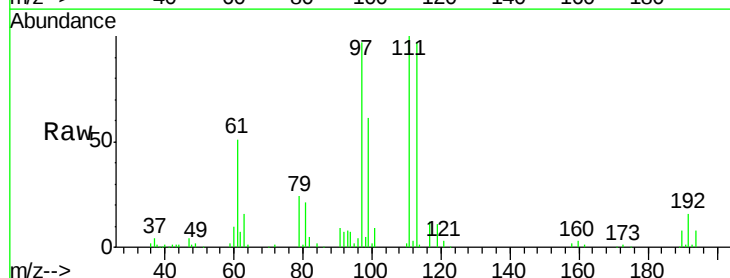
Tgt Ion: 97 Resp: 132547

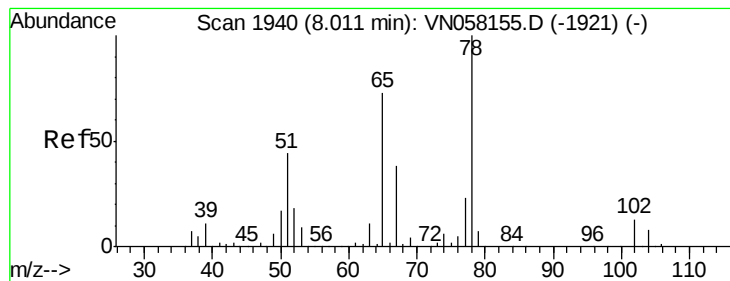
Ion Ratio Lower Upper

97 100

99 62.8 50.9 76.3

61 51.0 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 54.375 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

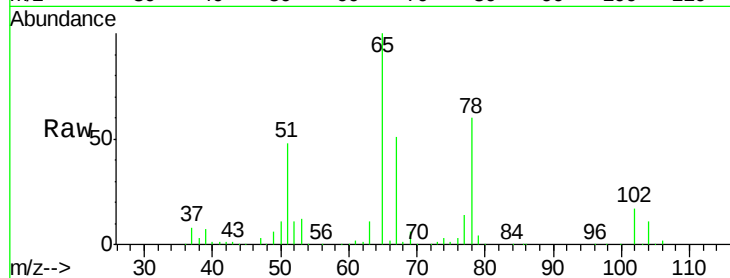
VN0923WBSD01

Tot Ion: 65 Resp: 330983

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

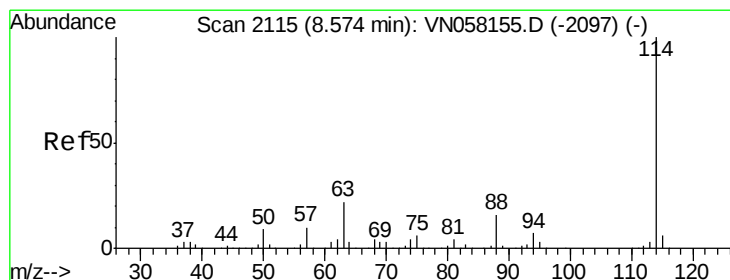
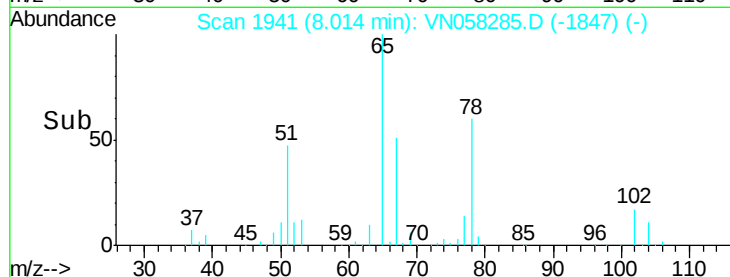
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

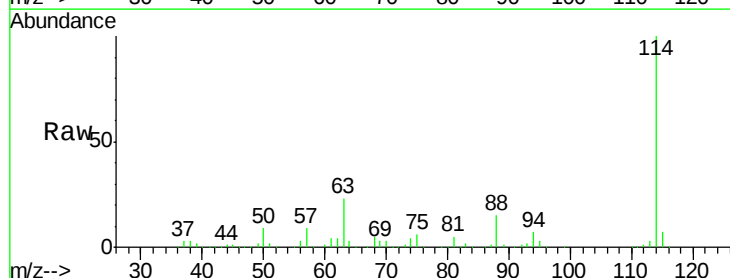
Tgt Ion: 114 Resp: 760113

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

88 15.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

500000

400000

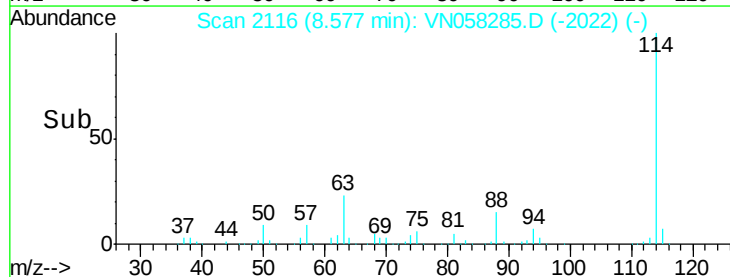
300000

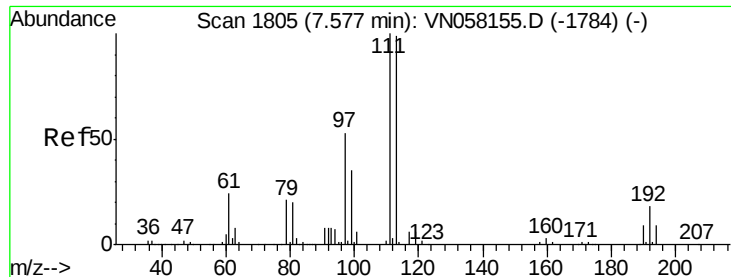
200000

100000

0

Time--> 8.50 8.55 8.60

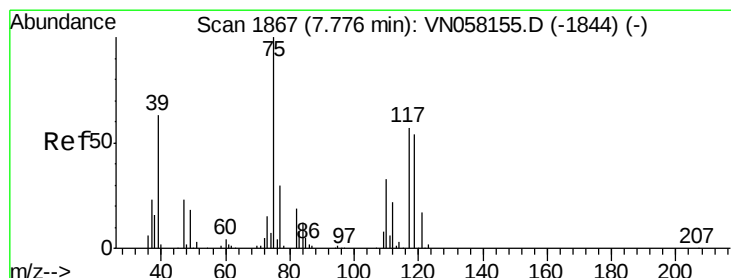
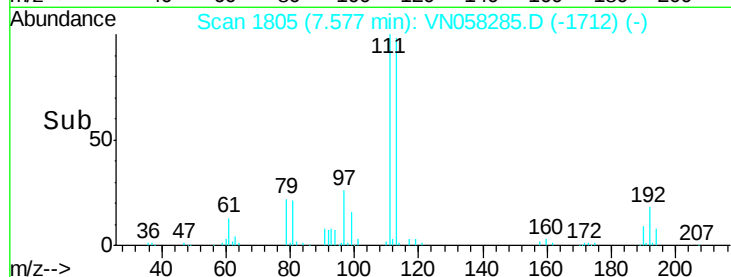
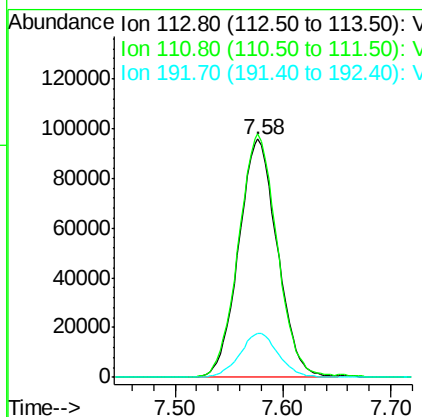
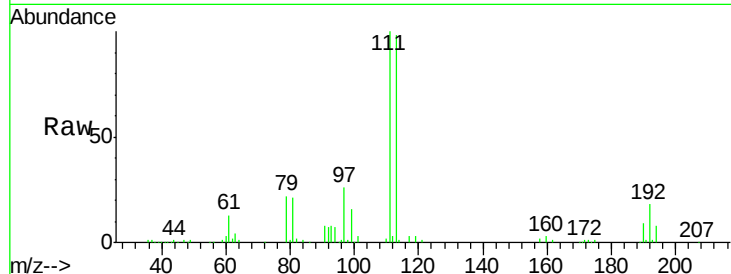




#35
 Dibromofluoromethane
 Concen: 51.543 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

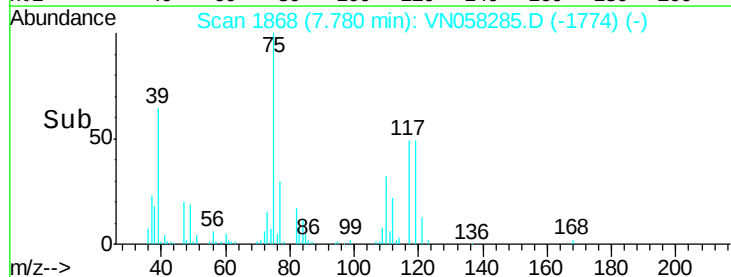
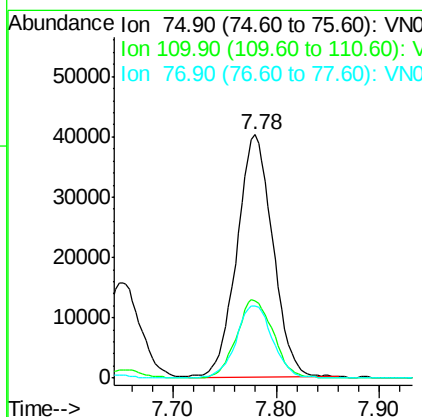
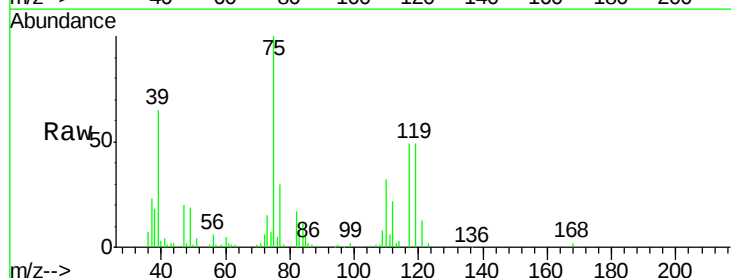
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	18.4	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 17.799 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.7
77	30.6	24.3	36.5

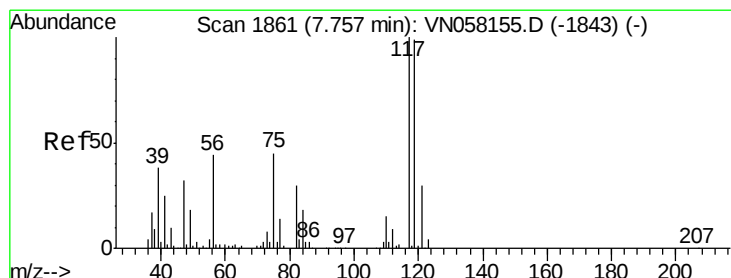
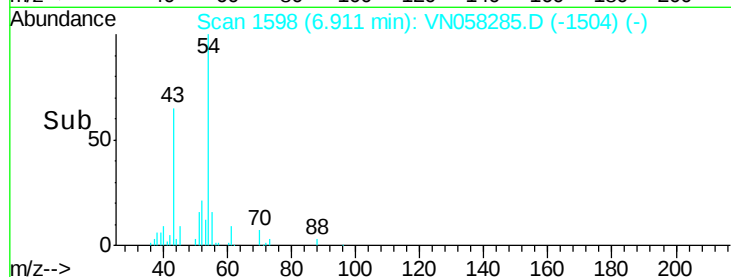
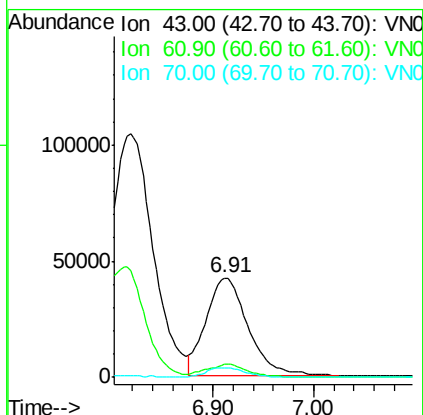
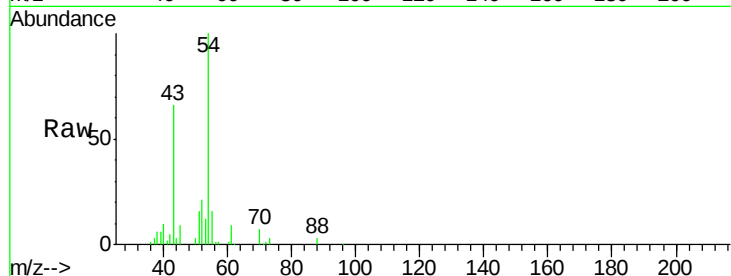




#37
Ethyl Acetate
Concen: 21.603 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

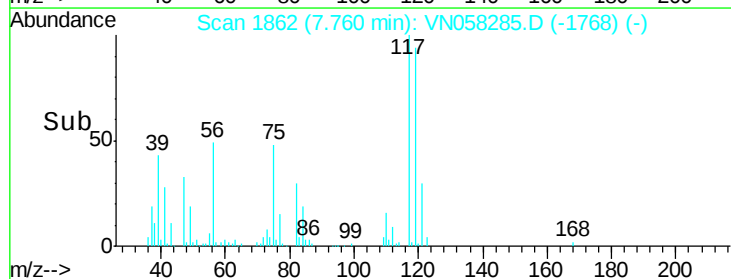
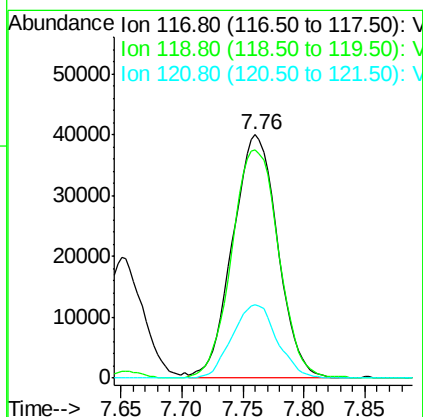
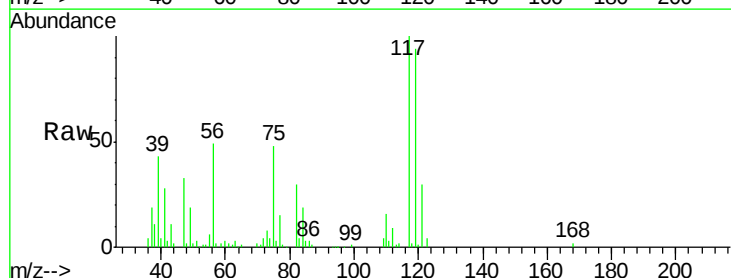
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

Tot Ion: 43 Resp: 122889
Ion Ratio Lower Upper
43 100
61 12.6 10.7 16.1
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.606 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 117 Resp: 102521
Ion Ratio Lower Upper
117 100
119 93.1 78.6 117.8
121 30.2 24.1 36.1

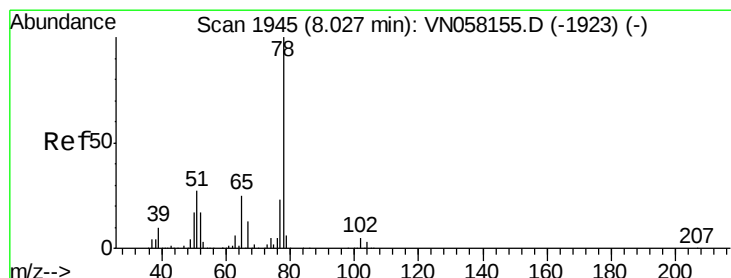
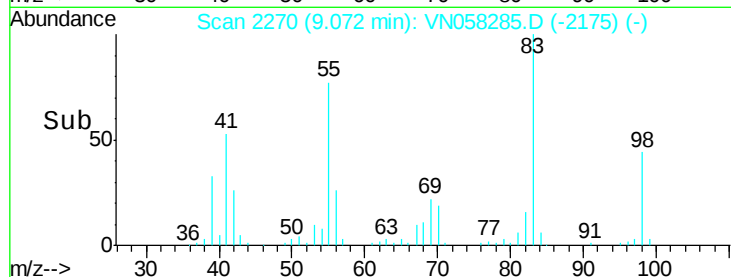
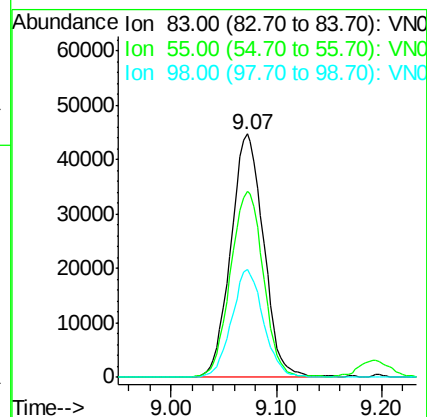
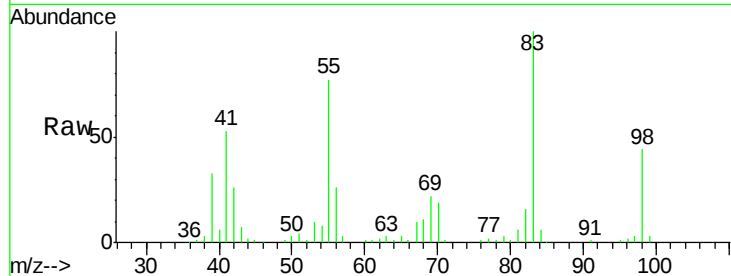




#39
Methvlcvclohexane
Concen: 18.248 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

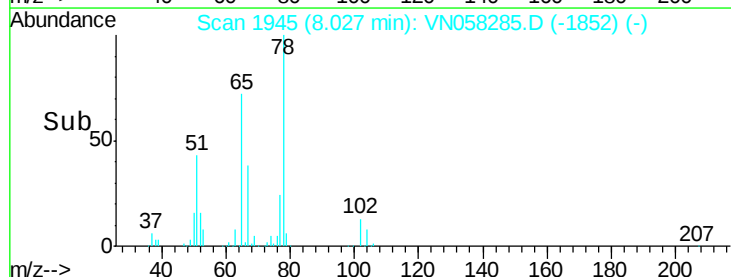
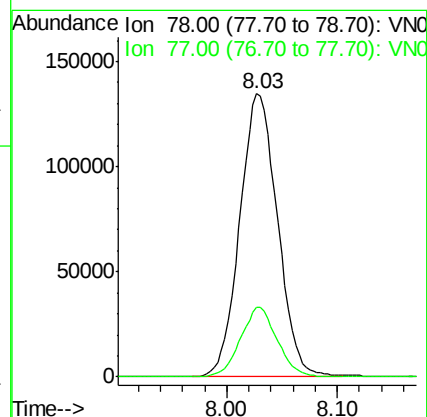
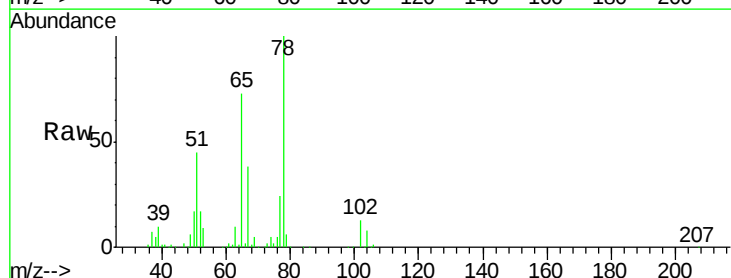
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD01

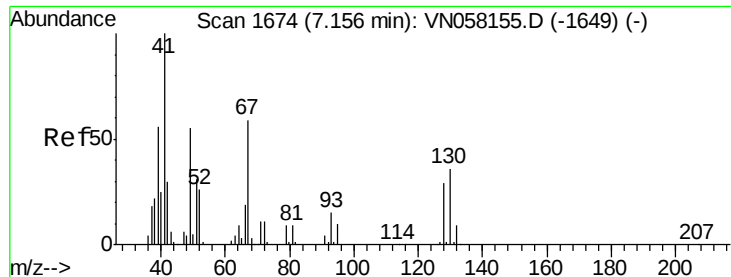
Tot Ion: 83 Resp: 96473
Ion Ratio Lower Upper
83 100
55 76.3 61.9 92.9
98 44.2 35.4 53.2



#40
Benzene
Concen: 19.052 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 78 Resp: 318981
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2





#41

Methacrylonitrile

Concen: 21.535 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

Tot Ion: 41 Resp: 60200

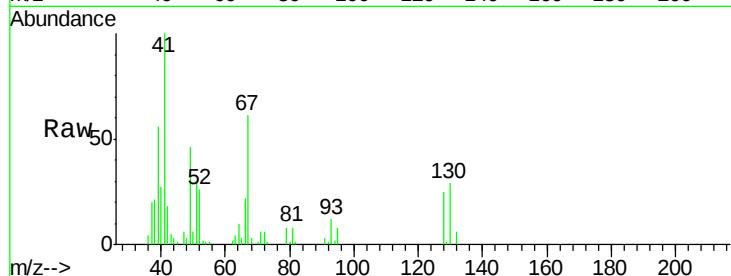
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 81.4 0.0 0.0#

52 39.0 0.0 0.0#

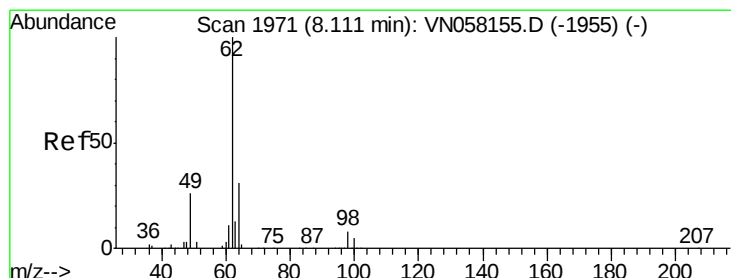
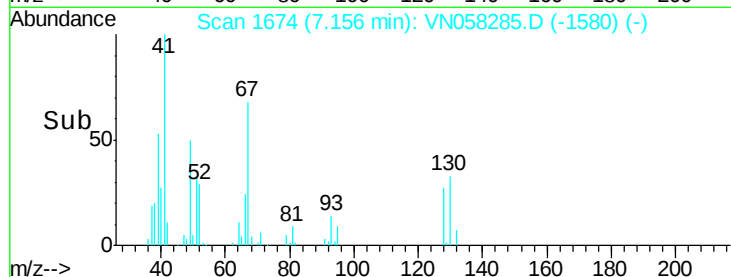
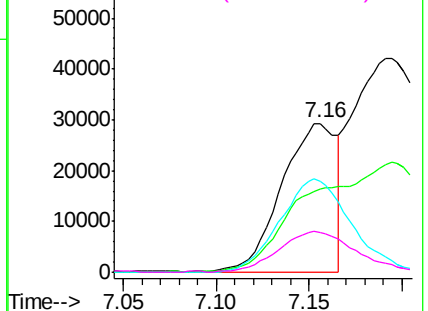


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.751 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN058285.D

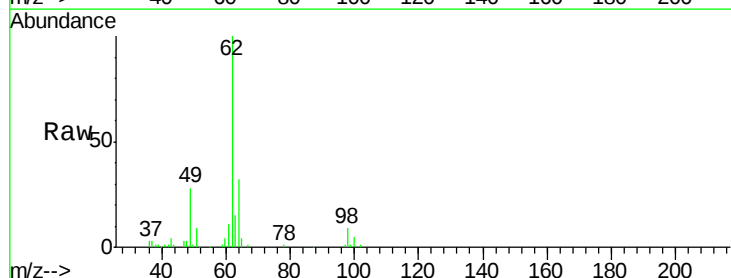
Acq: 23 Sep 2019 12:34

Tgt Ion: 62 Resp: 138758

Ion Ratio Lower Upper

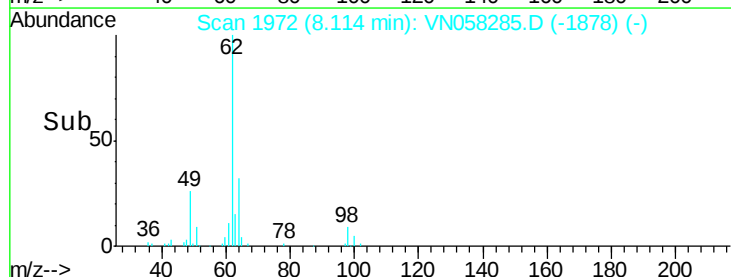
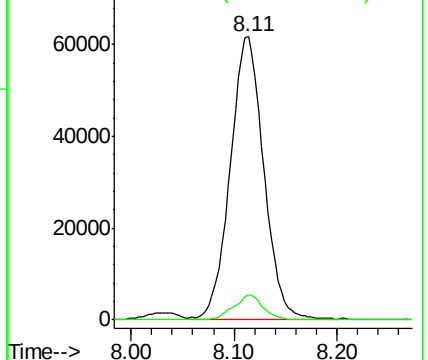
62 100

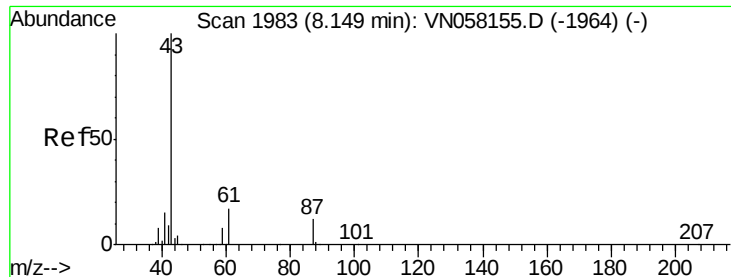
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.485 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

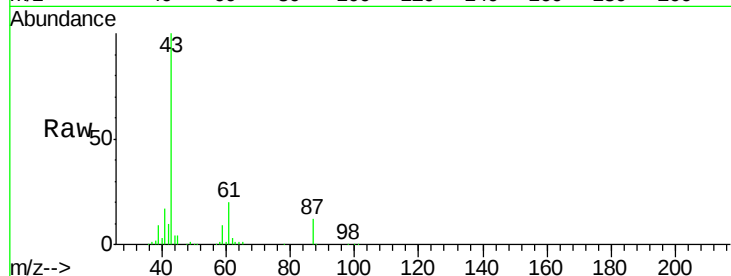
Tot Ion: 43 Resp: 207012

Ion Ratio Lower Upper

43 100

61 25.5 19.7 29.5

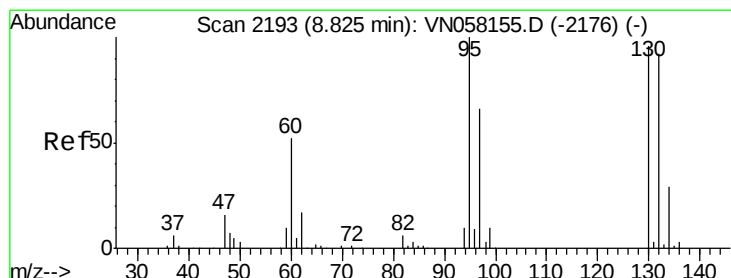
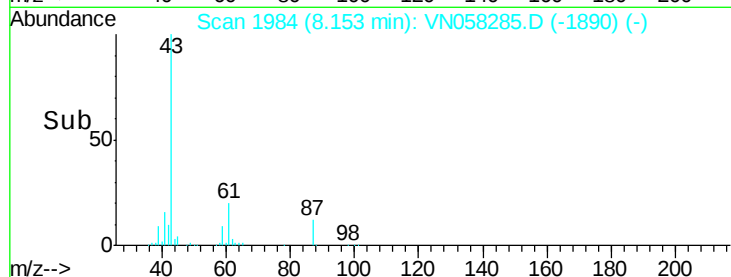
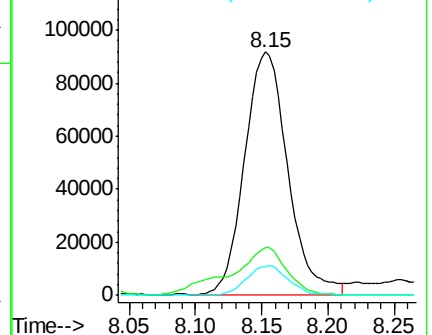
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 19.274 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058285.D

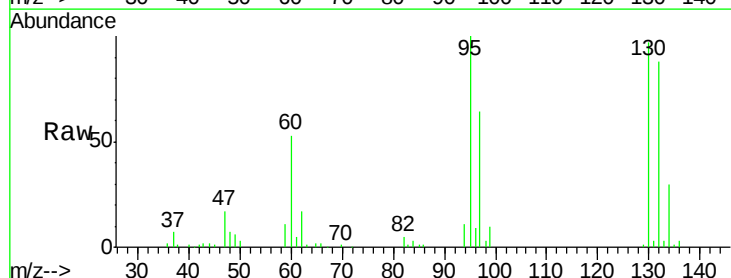
Acq: 23 Sep 2019 12:34

Tgt Ion:130 Resp: 78968

Ion Ratio Lower Upper

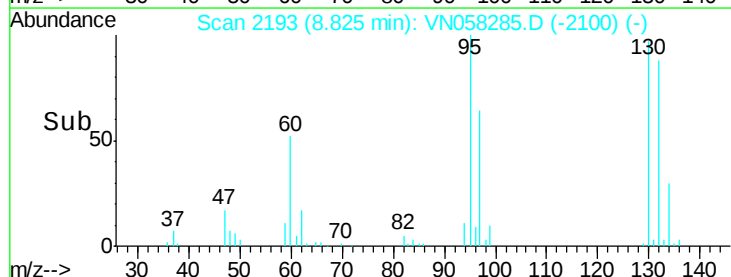
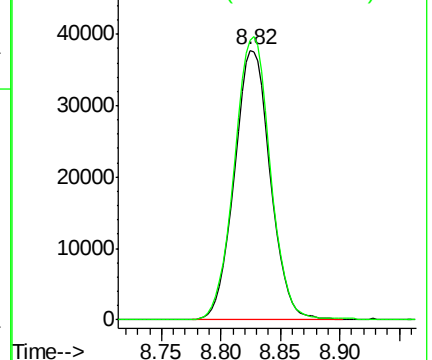
130 100

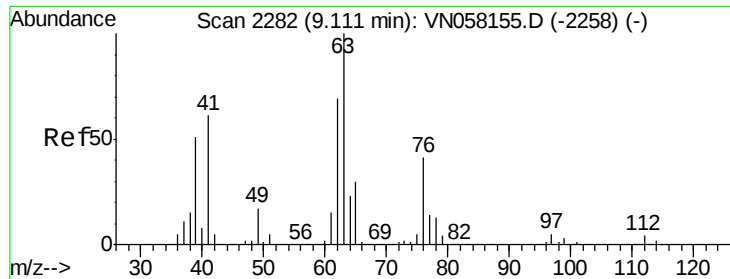
95 103.6 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

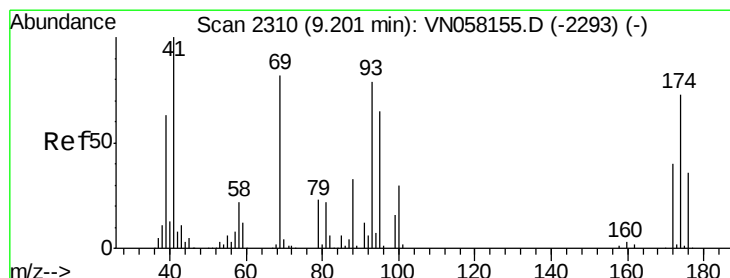
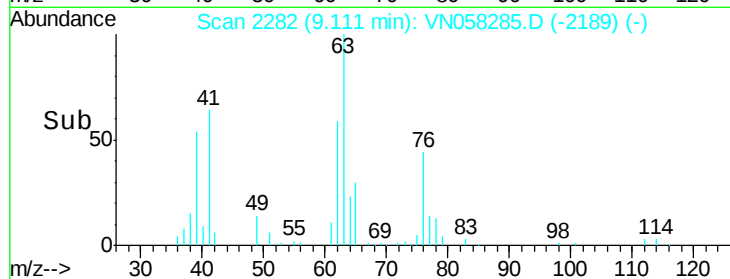
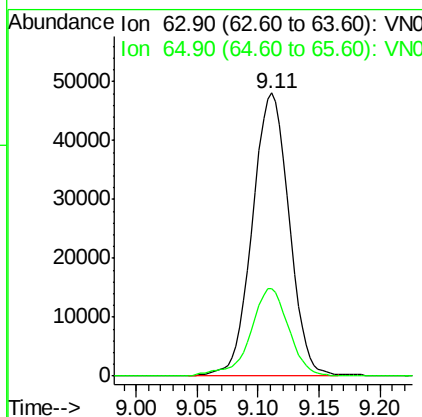
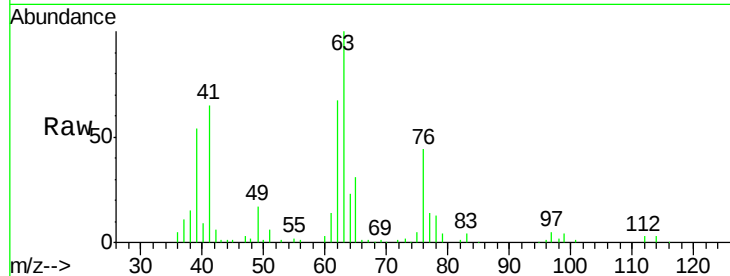




#45
 1,2-Dichloropropane
 Concen: 20.062 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

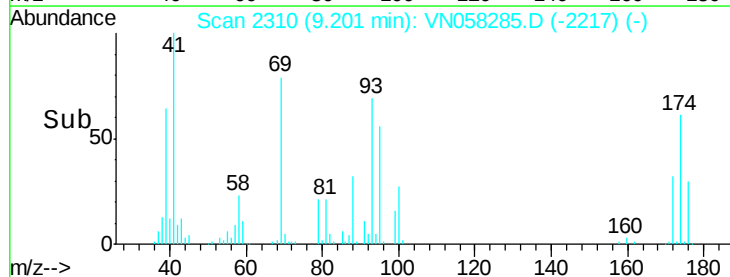
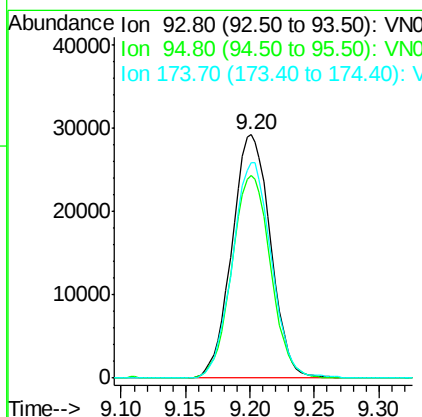
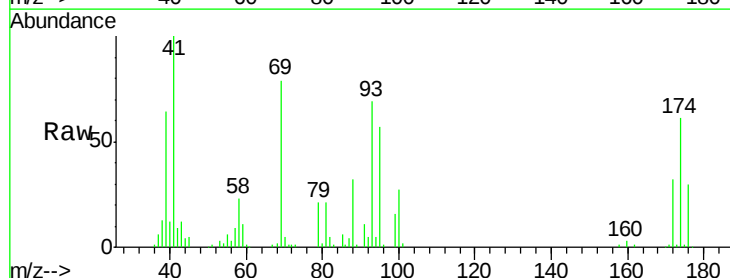
Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBSD01

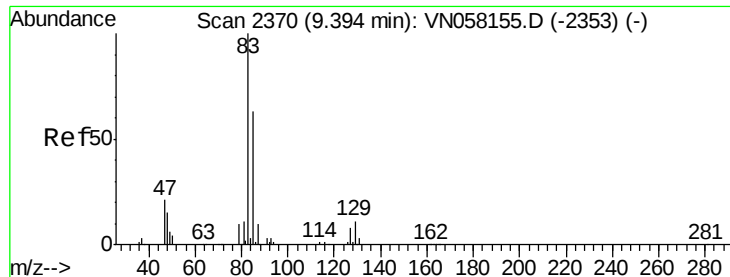
Tot Ion: 63 Resp: 100307
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.8 35.6



#46
 Dibromomethane
 Concen: 19.970 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 93 Resp: 60707
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 89.4 73.8 110.8





#47

Bromodichloromethane

Concen: 20.073 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

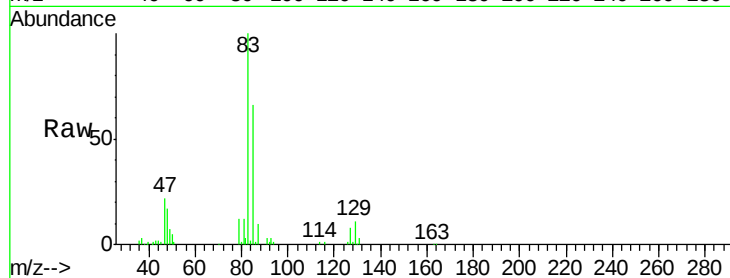
Tot Ion: 83 Resp: 127833

Ion Ratio Lower Upper

83 100

85 65.8 50.1 75.1

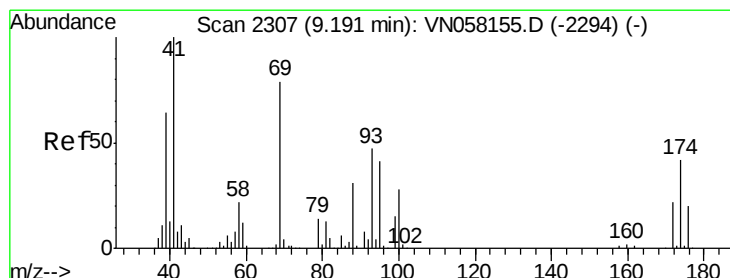
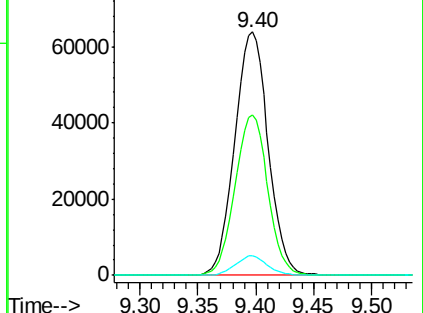
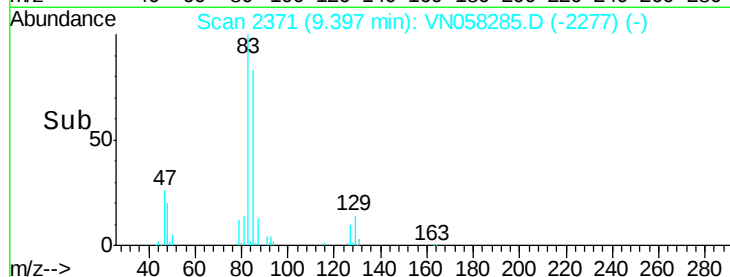
127 8.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.364 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

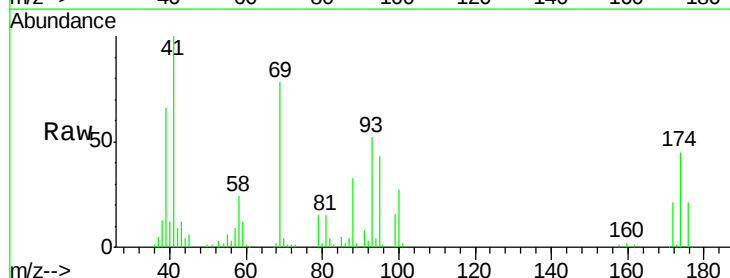
Tgt Ion: 41 Resp: 98233

Ion Ratio Lower Upper

41 100

69 80.3 62.5 93.7

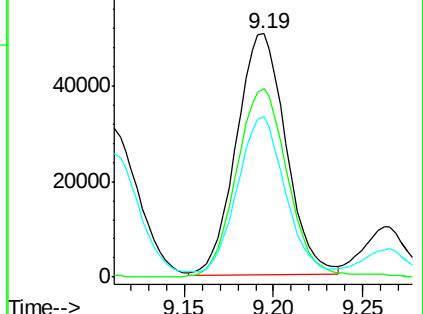
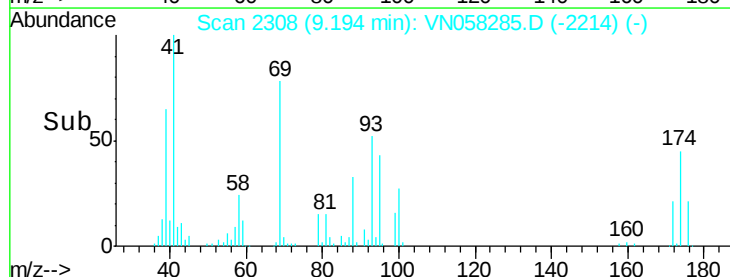
39 64.3 52.3 78.5

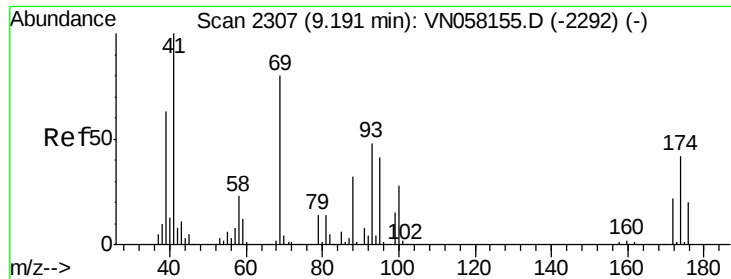


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

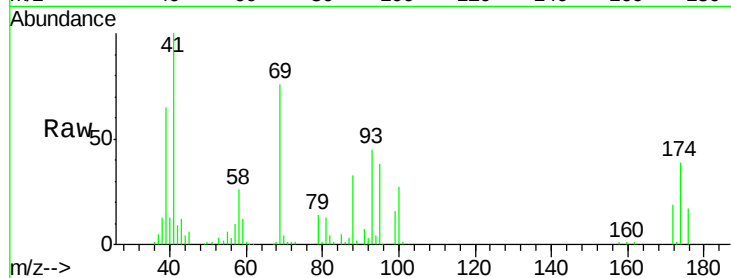




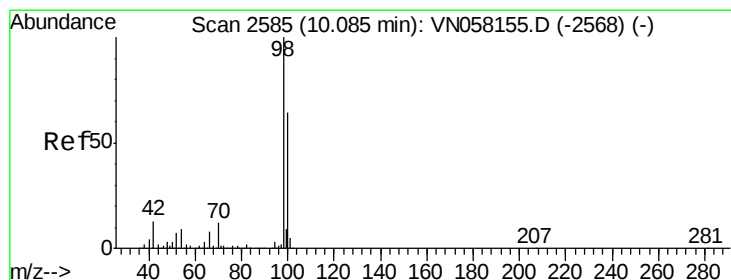
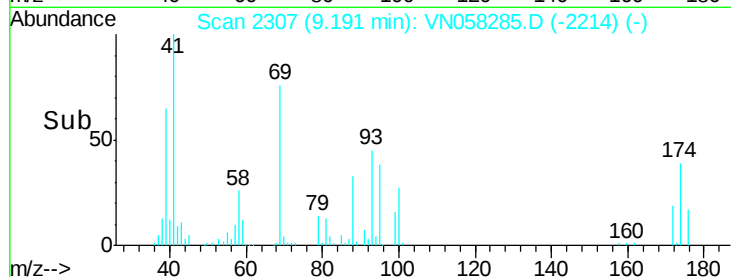
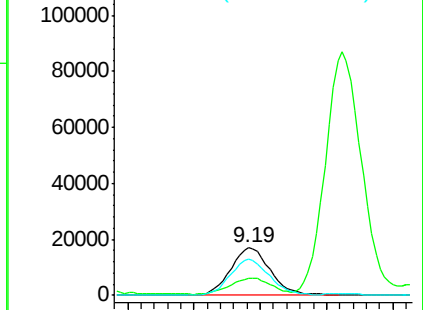
#49
 1,4-Dioxane
 Concen: 446.565 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Tot Ion: 88 Resp: 35367
 Ion Ratio Lower Upper
 88 100
 43 35.5 27.8 41.8
 58 75.1 55.0 82.4

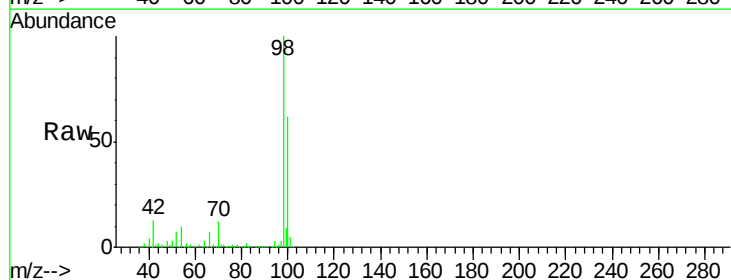


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

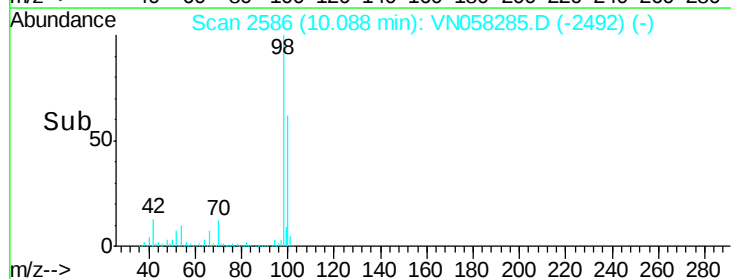
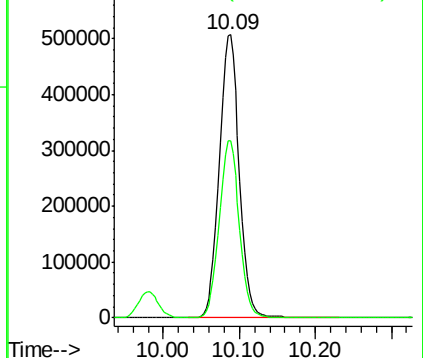


#50
 Toluene-d8
 Concen: 51.288 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 98 Resp: 923380
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.1 76.7



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: 117.564 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

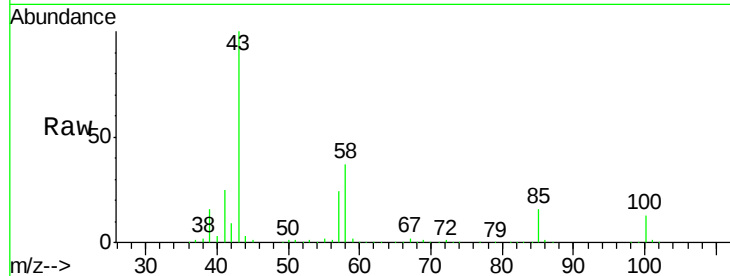
VN0923WBSD01

Tot Ion: 43 Resp: 663423

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

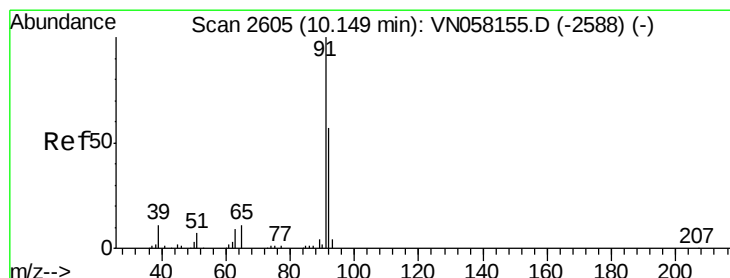
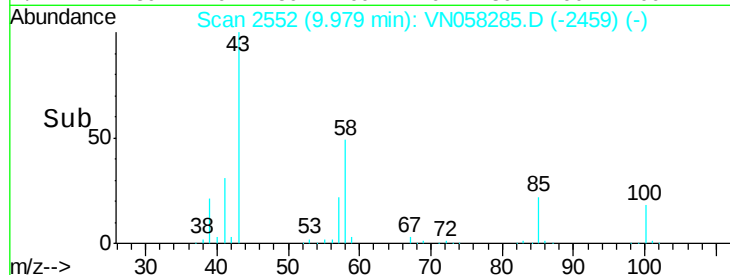
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.494 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058285.D

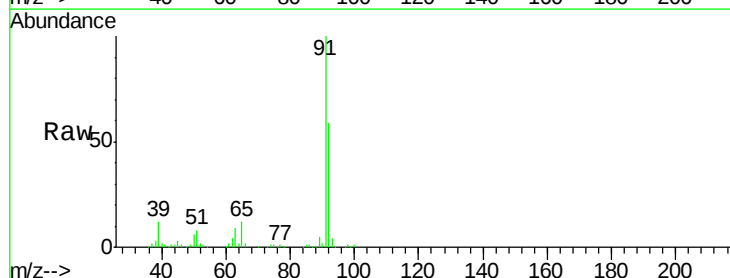
Acq: 23 Sep 2019 12:34

Tgt Ion: 92 Resp: 204550

Ion Ratio Lower Upper

92 100

91 171.5 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

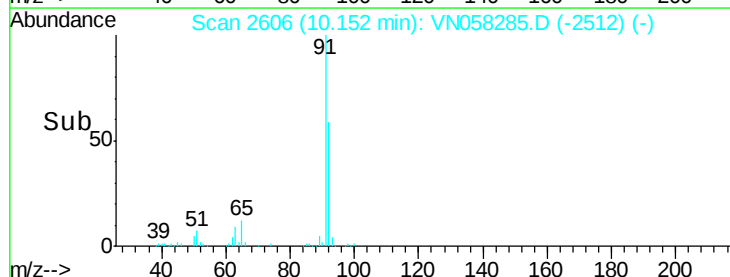
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.868 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

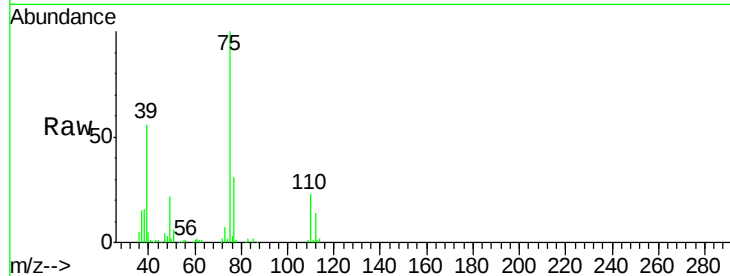
VN0923WBSD01

Tot Ion: 75 Resp: 123085

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

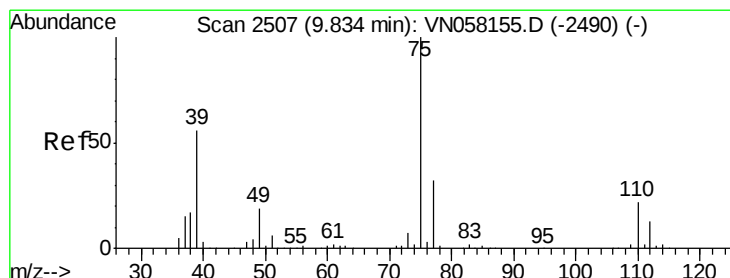
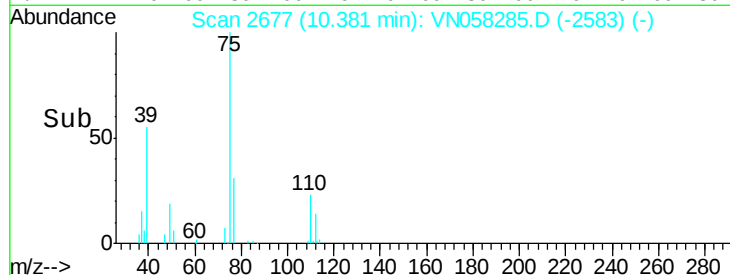
40000

20000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.386 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

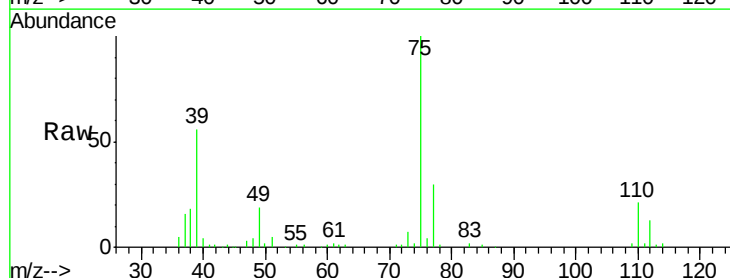
Tgt Ion: 75 Resp: 139625

Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0

39 55.8 45.0 67.6



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

100000

80000

60000

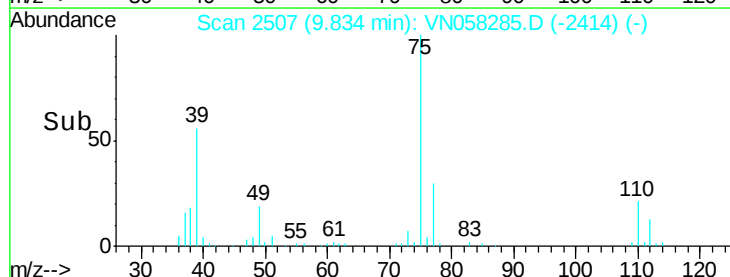
40000

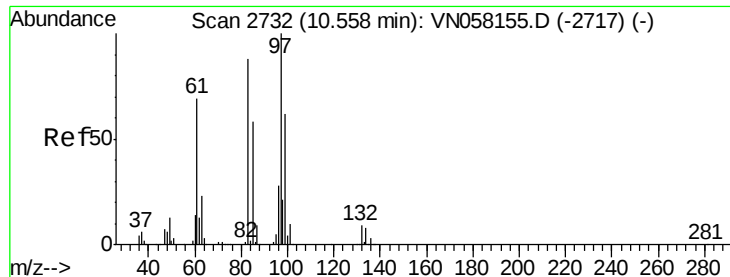
20000

0

Time-->

9.75 9.80 9.85 9.90

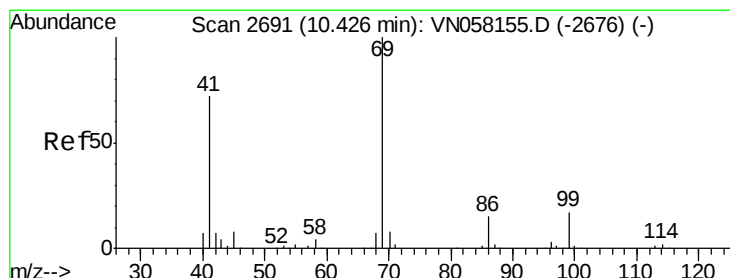
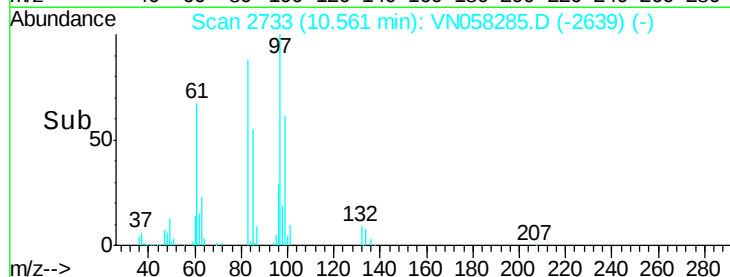
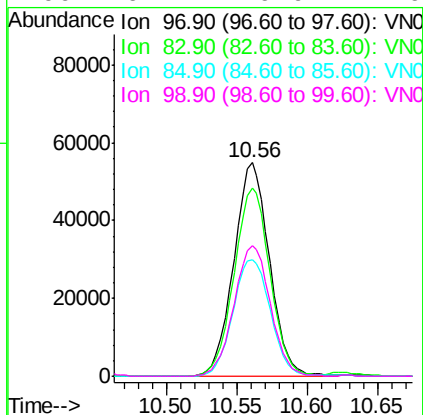
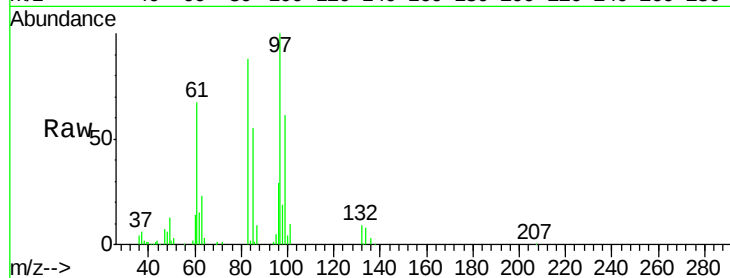




#55
 1,1,2-Trichloroethane
 Concen: 20.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

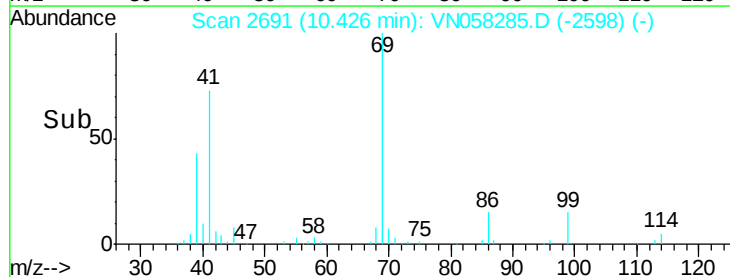
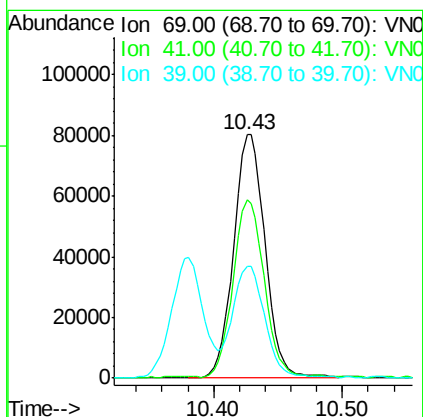
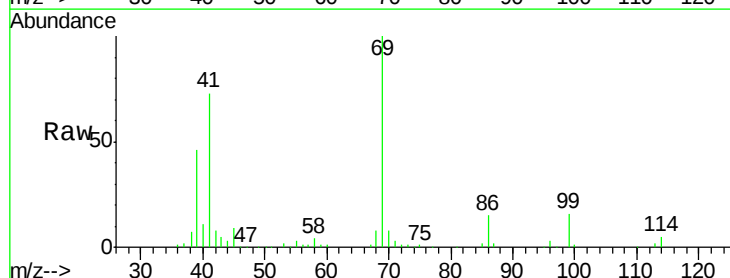
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Tot Ion: 97 Resp: 97359
 Ion Ratio Lower Upper
 97 100
 83 88.2 70.4 105.6
 85 54.6 46.8 70.2
 99 61.1 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 20.283 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 69 Resp: 136272
 Ion Ratio Lower Upper
 69 100
 41 71.6 57.5 86.3
 39 47.1 36.1 54.1





#57

1,3-Dichloropropane

Concen: 20.339 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

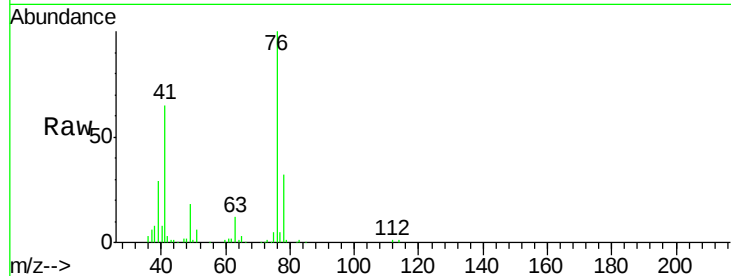
VN0923WBSD01

Tot Ion: 76 Resp: 162812

Ion Ratio Lower Upper

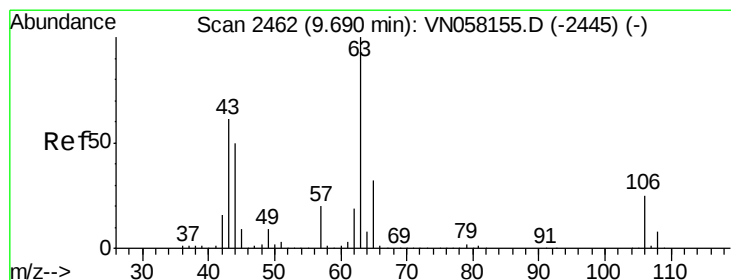
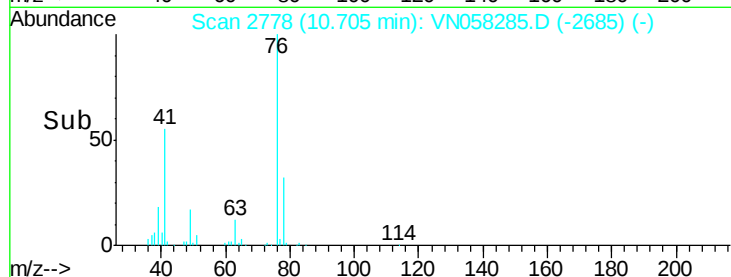
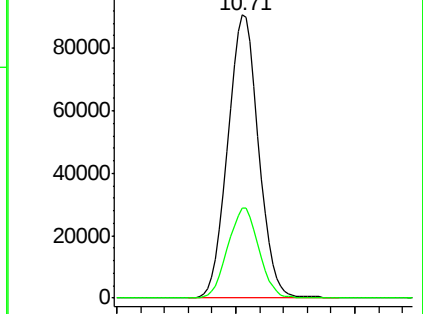
76 100

78 31.9 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 108.583 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058285.D

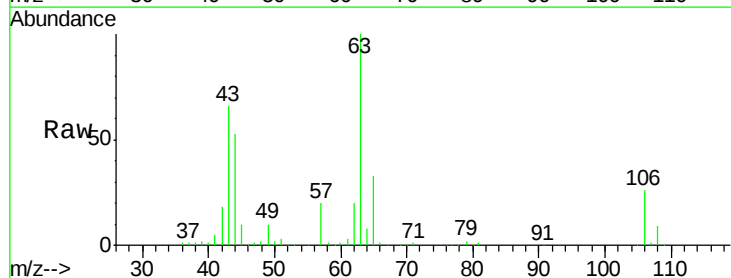
Acq: 23 Sep 2019 12:34

Tgt Ion: 63 Resp: 347483

Ion Ratio Lower Upper

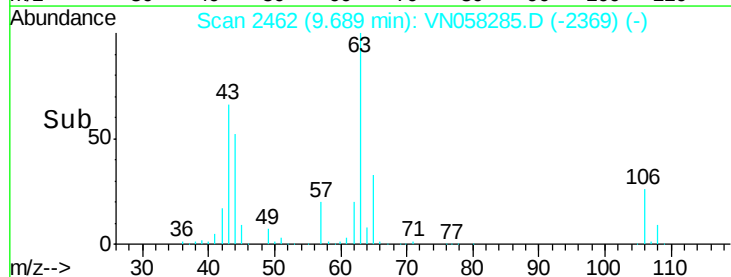
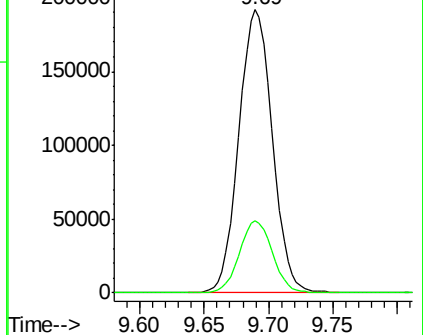
63 100

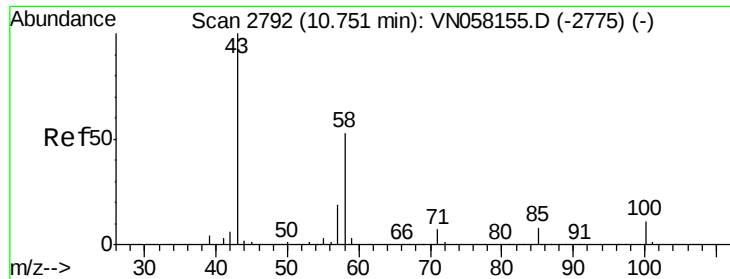
106 25.2 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

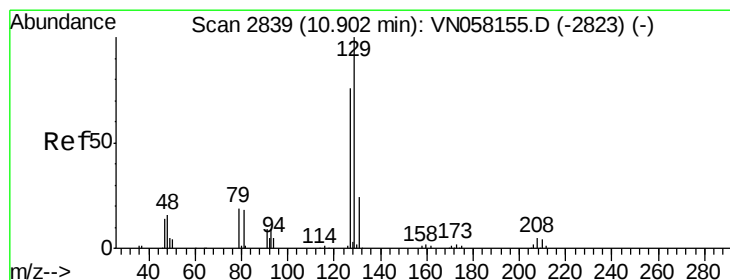
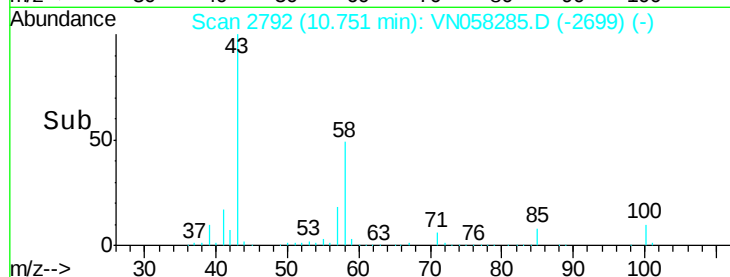
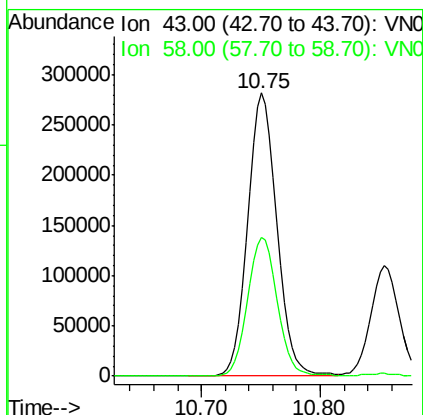
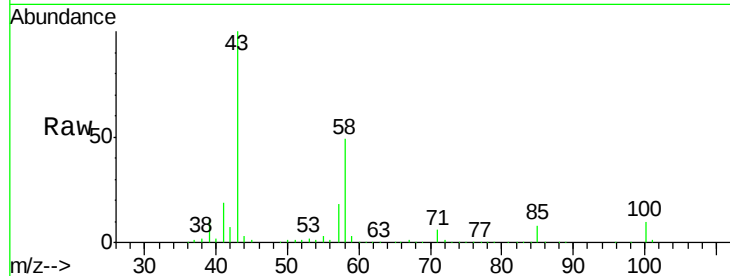




#59
2-Hexanone
Concen: 113.574 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

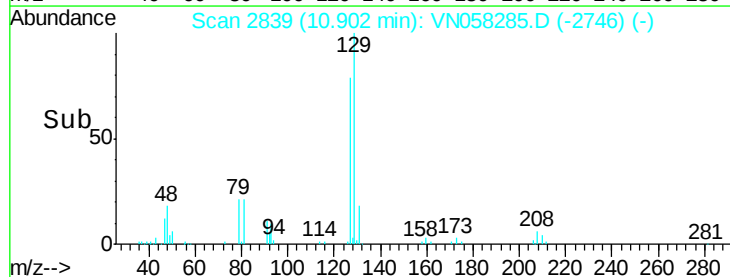
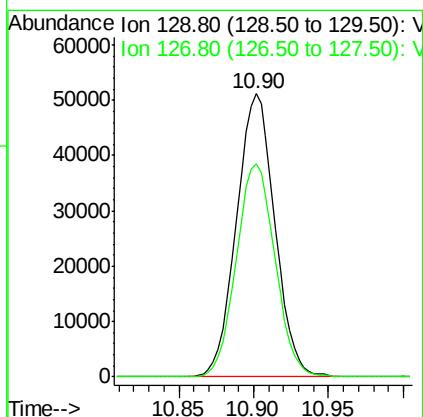
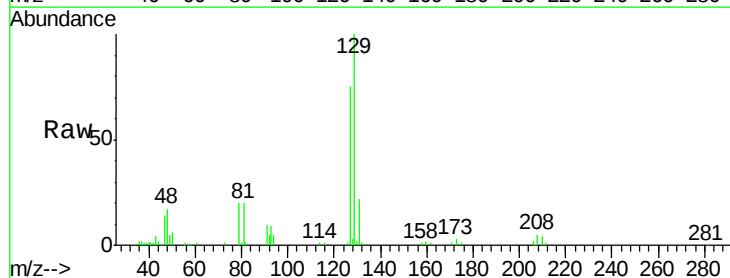
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD01

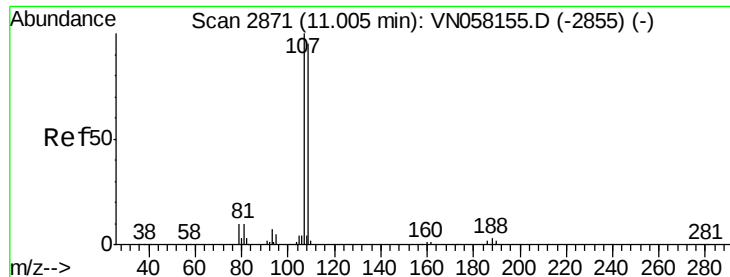
Tot Ion: 43 Resp: 475994
Ion Ratio Lower Upper
43 100
58 50.3 26.0 78.0



#60
Dibromochloromethane
Concen: 20.364 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 129 Resp: 91223
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1

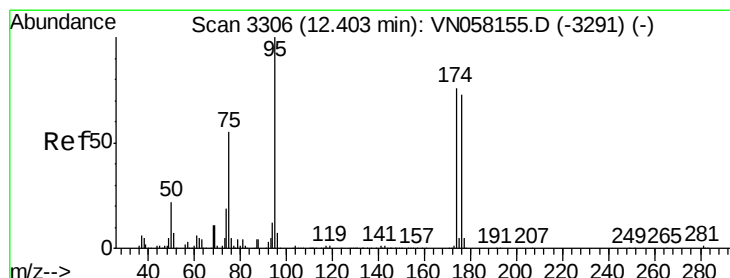
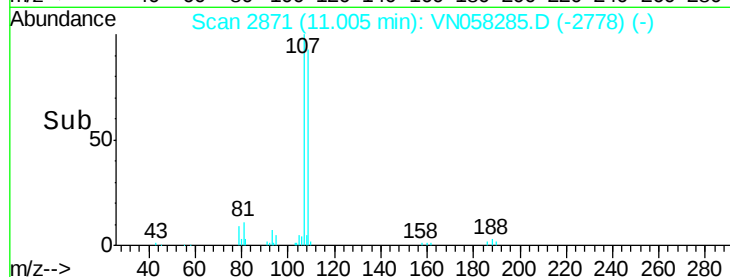
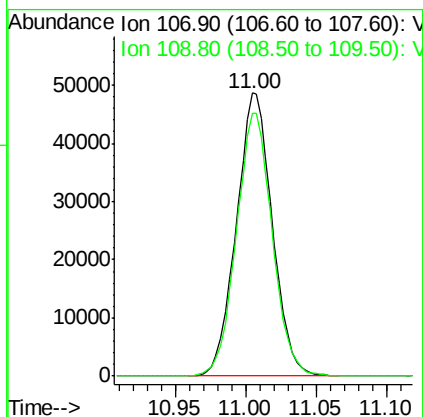
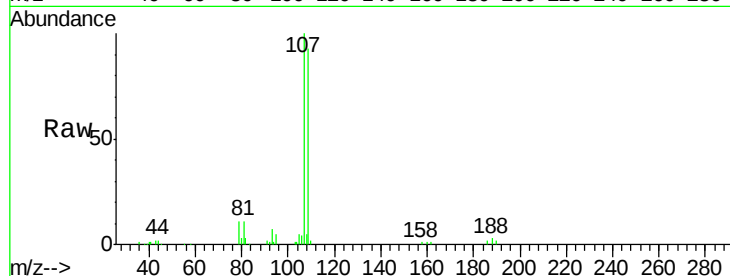




#61
 1,2-Dibromoethane
 Concen: 20.098 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

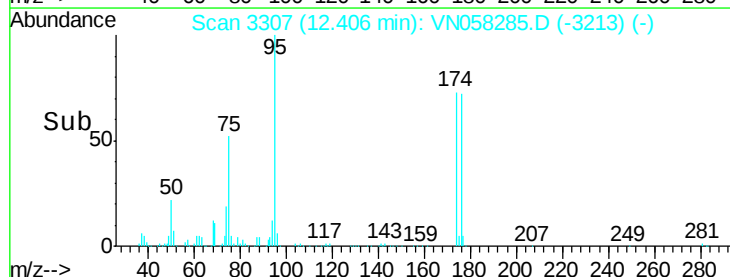
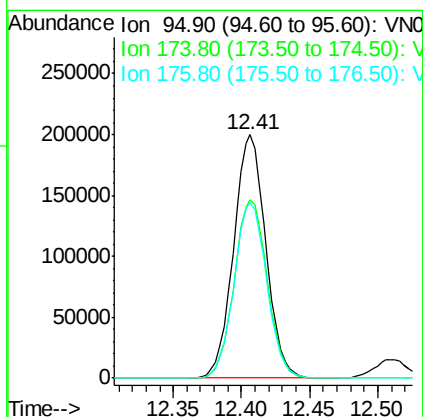
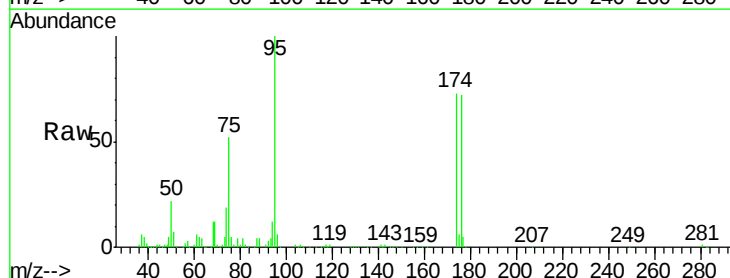
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

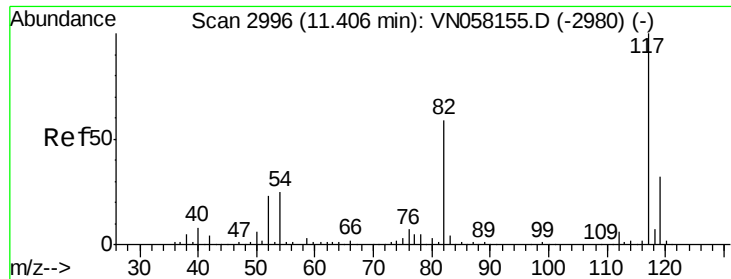
Tot Ion:107 Resp: 86727
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.729 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 95 Resp: 325888
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 152.2
 176 73.3 0.0 148.0

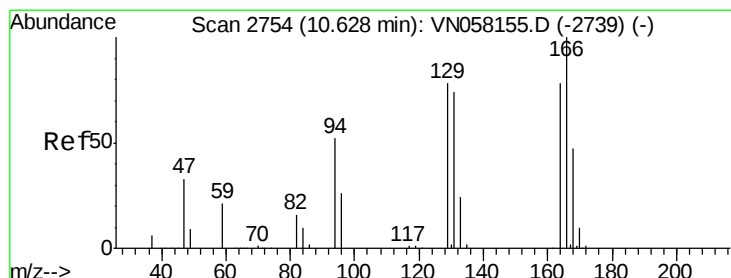
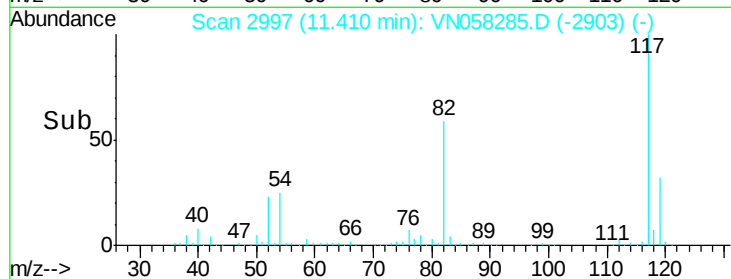
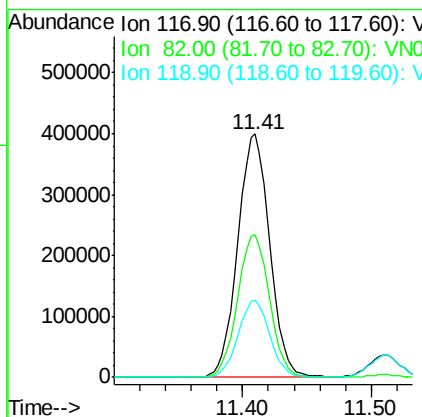
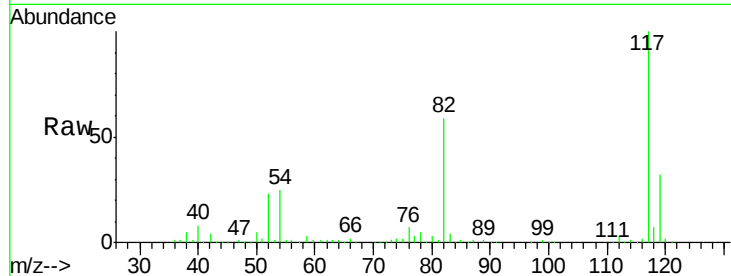




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

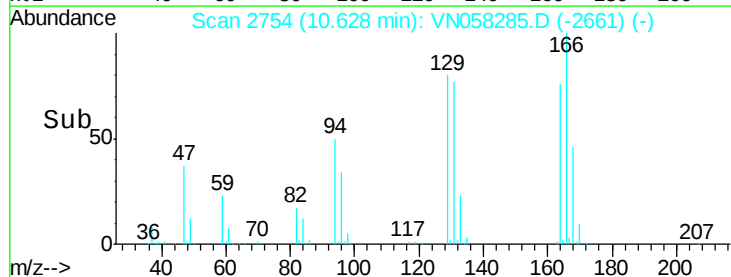
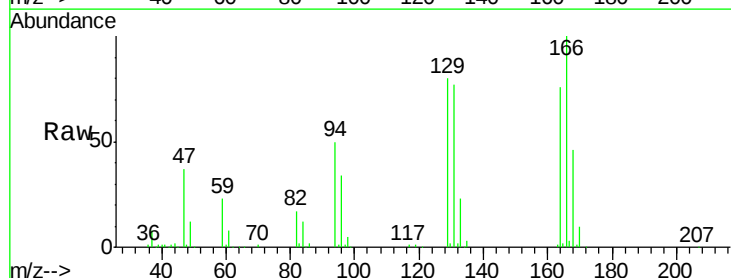
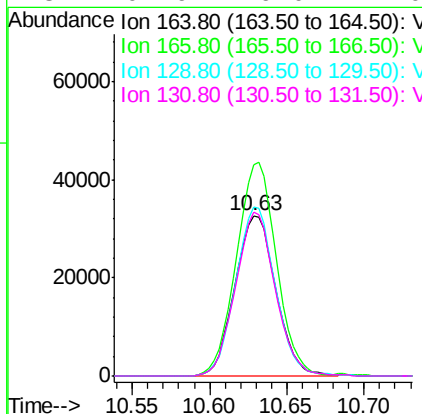
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

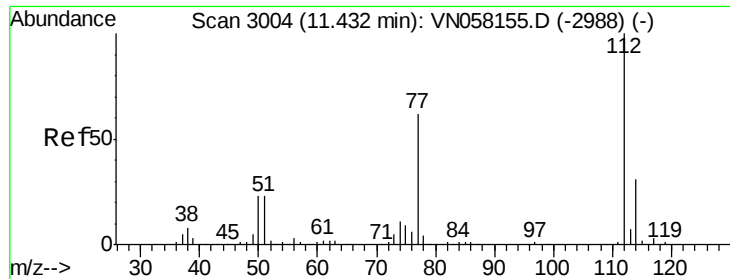
Tot Ion:117 Resp: 689095
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 17.938 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion:164 Resp: 60256
Ion Ratio Lower Upper
164 100
166 131.6 102.2 153.4
129 105.2 79.6 119.4
131 101.9 76.0 114.0

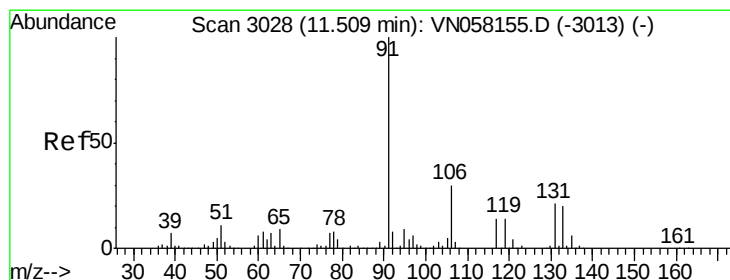
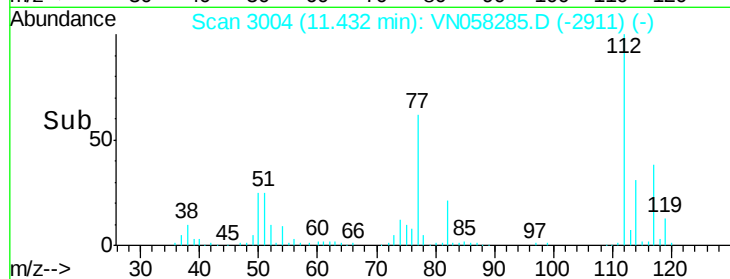
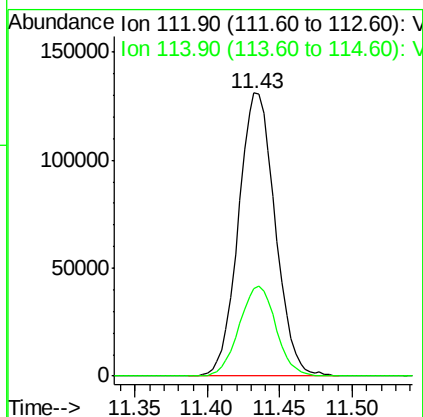
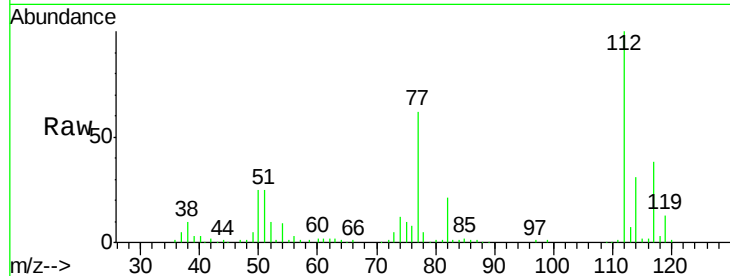




#65
Chlorobenzene
Concen: 19.053 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

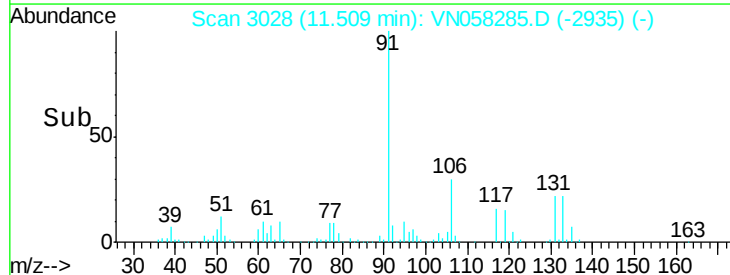
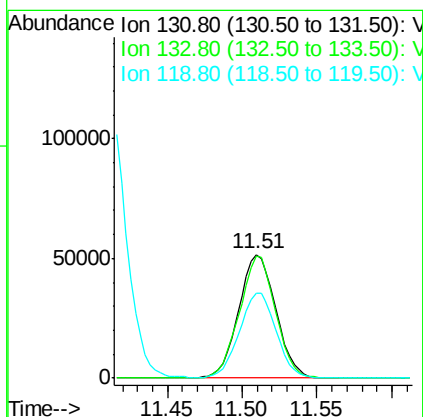
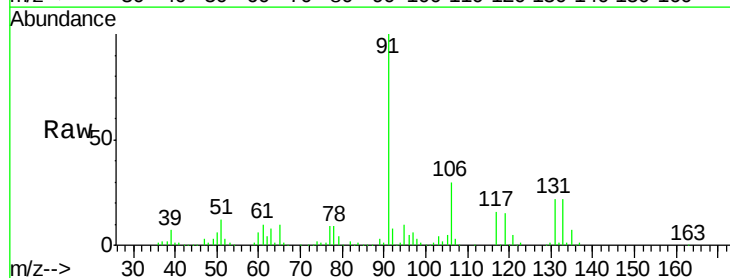
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

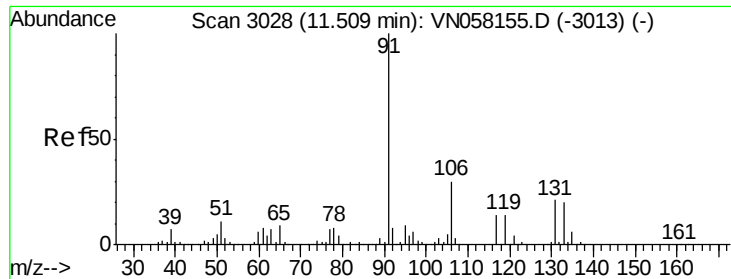
Tot Ion:112 Resp: 230938
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.317 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion:131 Resp: 89292
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 67.9 33.1 99.3

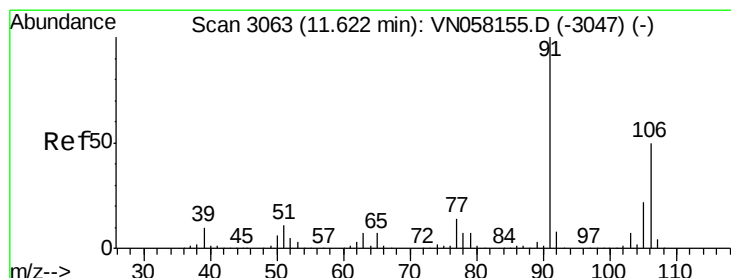
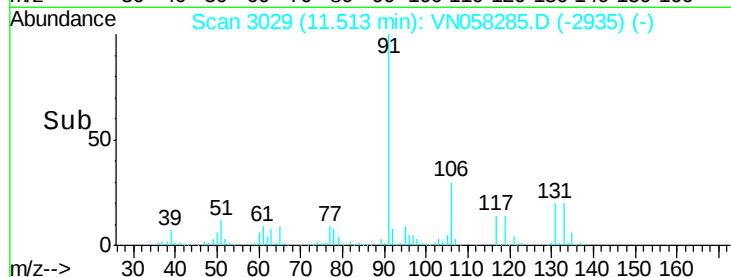
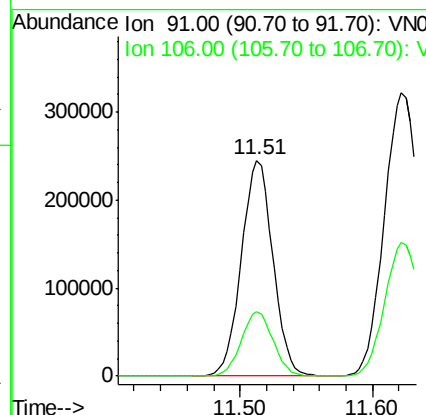
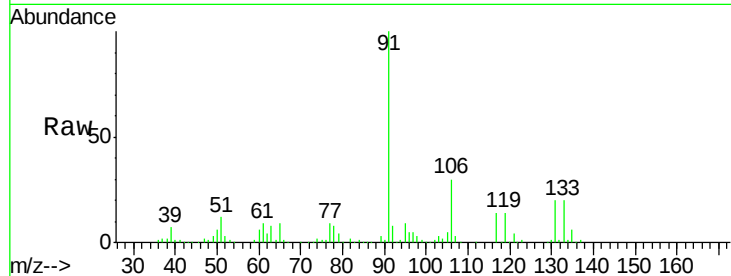




#67
Ethyl Benzene
Concen: 19.509 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

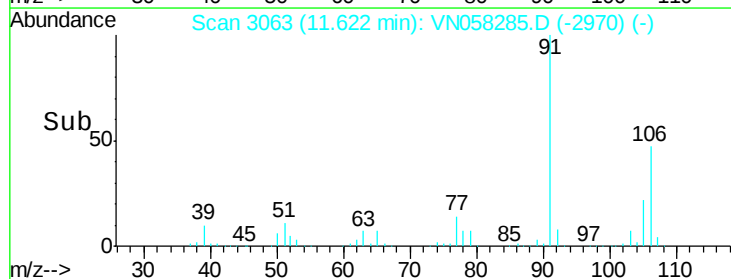
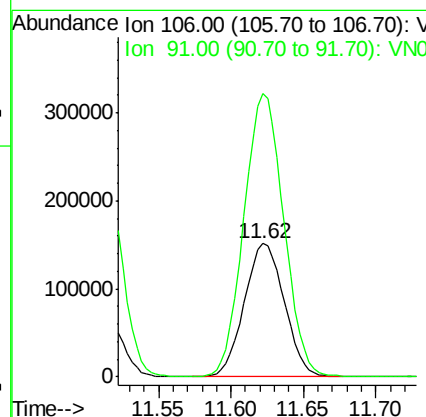
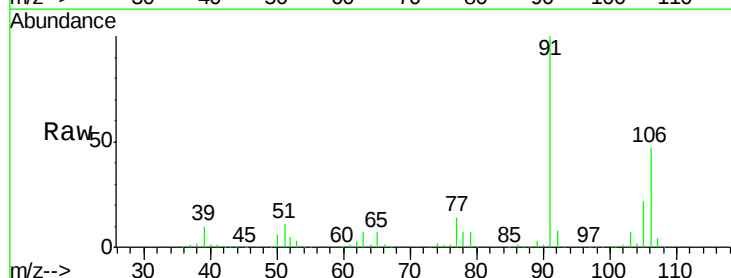
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

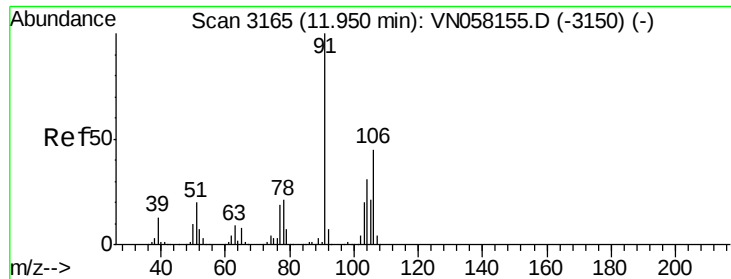
Tot Ion: 91 Resp: 405181
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



#68
m/p-Xylenes
Concen: 37.063 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion:106 Resp: 289909
Ion Ratio Lower Upper
106 100
91 211.5 163.6 245.4

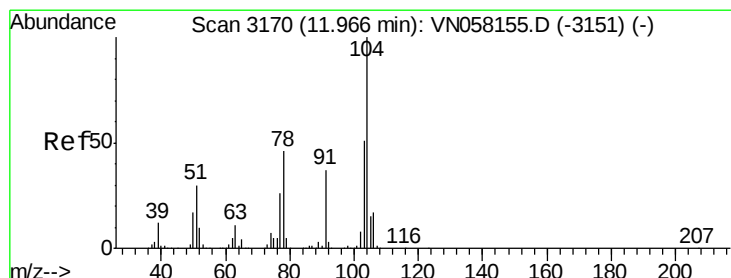
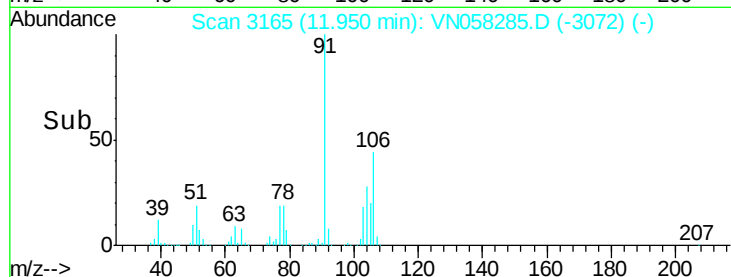
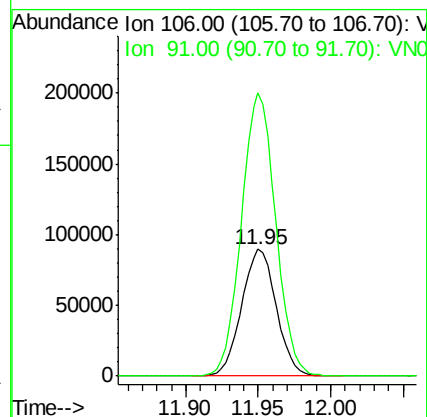
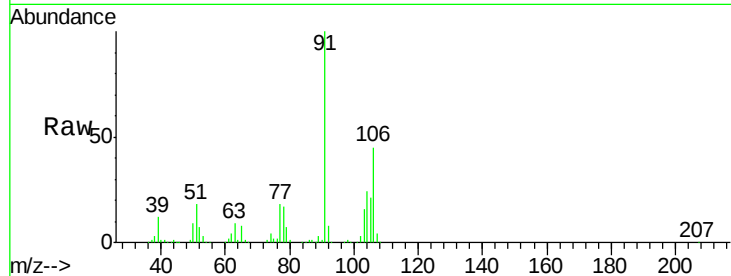




#69
o-Xylene
Concen: 19.390 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

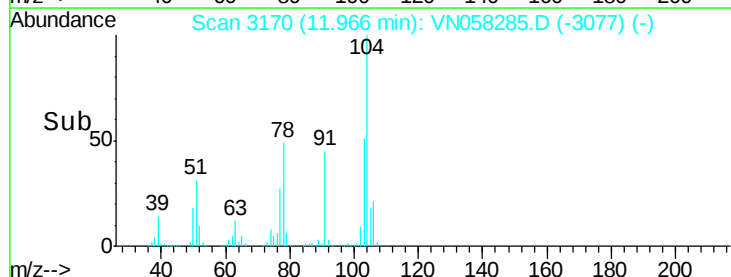
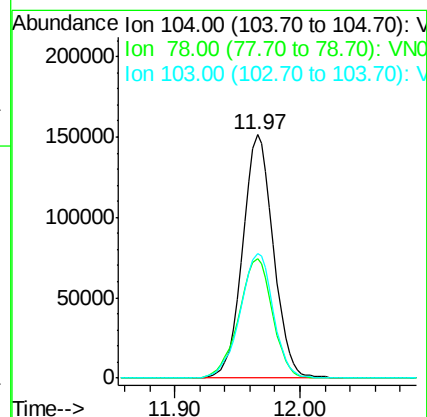
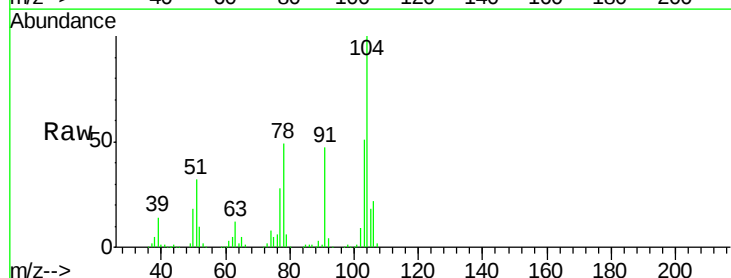
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

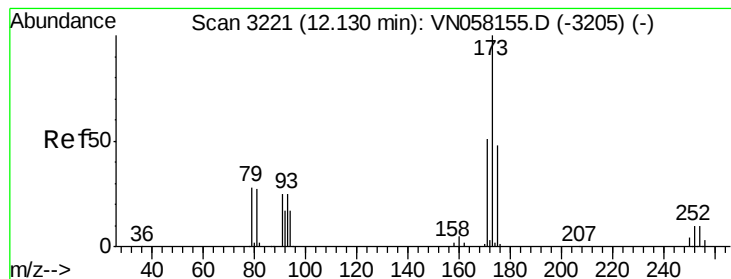
Tot Ion:106 Resp: 149139
Ion Ratio Lower Upper
106 100
91 220.3 111.8 335.3



#70
Styrene
Concen: 19.376 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion:104 Resp: 256775
Ion Ratio Lower Upper
104 100
78 53.9 41.8 62.8
103 55.5 44.2 66.2





#71

Bromoform

Concen: 19.938 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD01

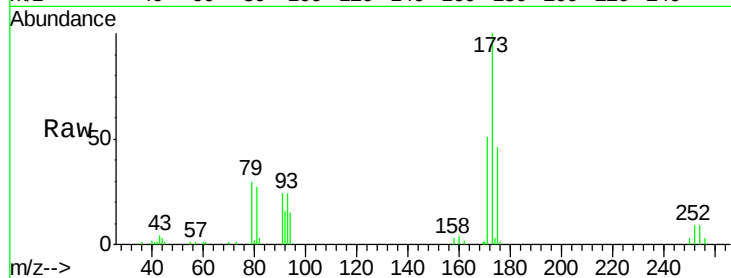
Tot Ion:173 Resp: 57378

Ion Ratio Lower Upper

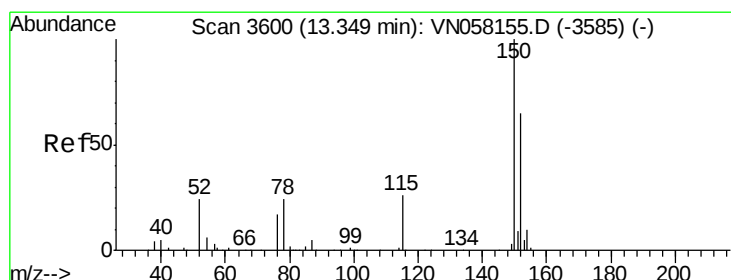
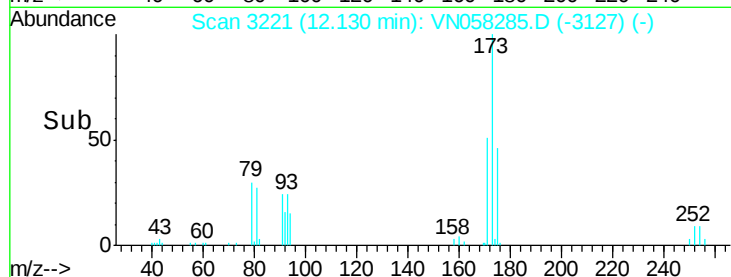
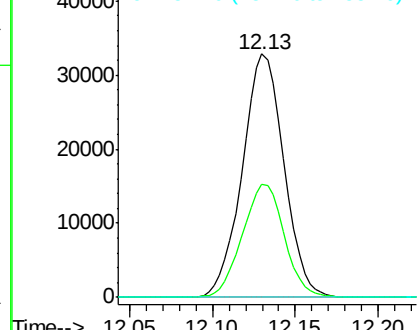
173 100

175 46.8 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

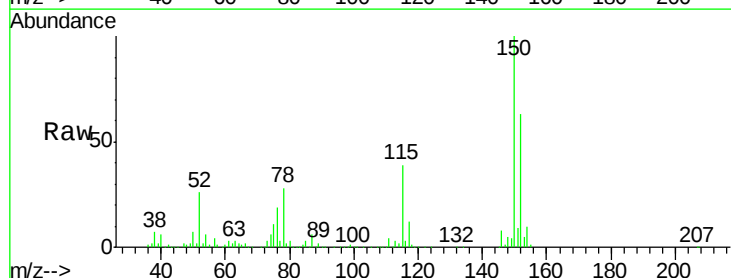
Tgt Ion:152 Resp: 323120

Ion Ratio Lower Upper

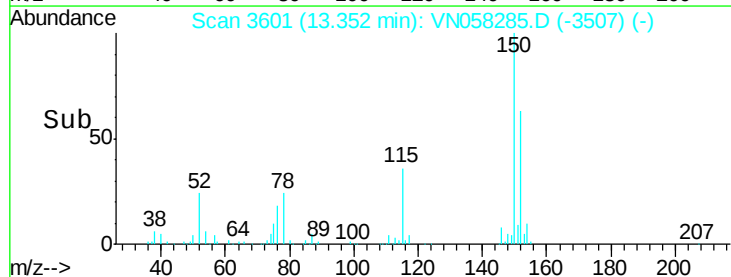
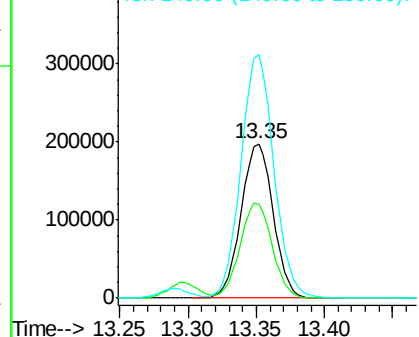
152 100

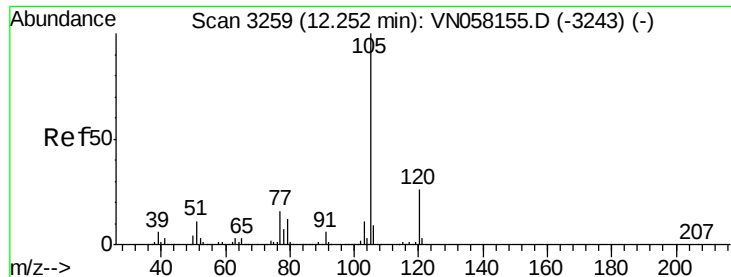
115 61.3 30.1 90.3

150 161.9 0.0 346.4



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: 20.852 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

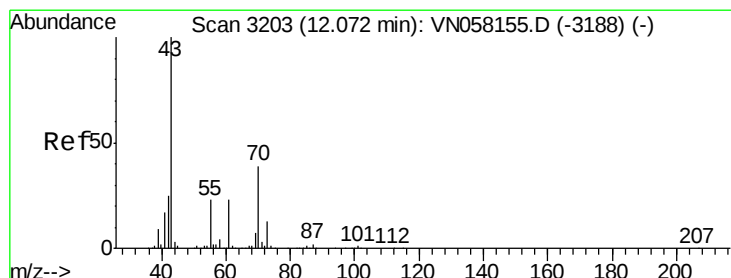
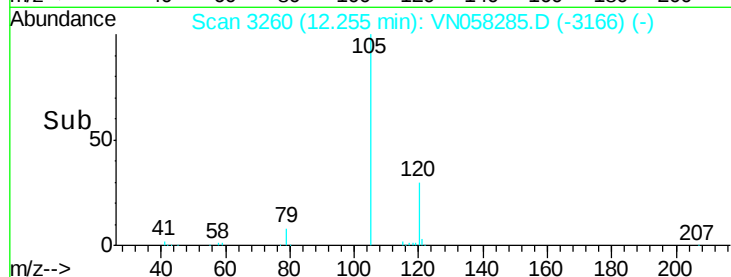
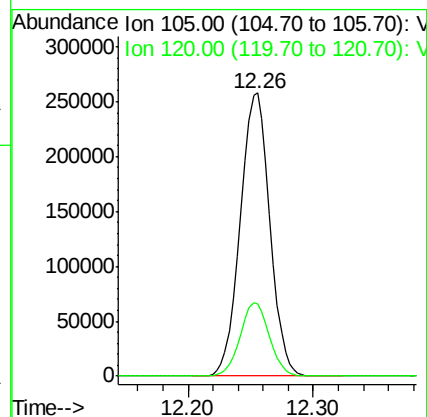
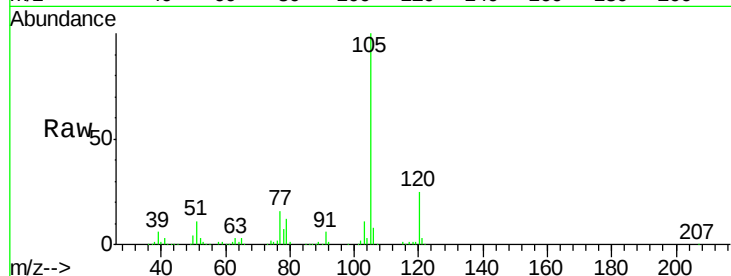
VN0923WBSD01

Tot Ion:105 Resp: 421739

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 21.841 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Tgt Ion: 43 Resp: 184799

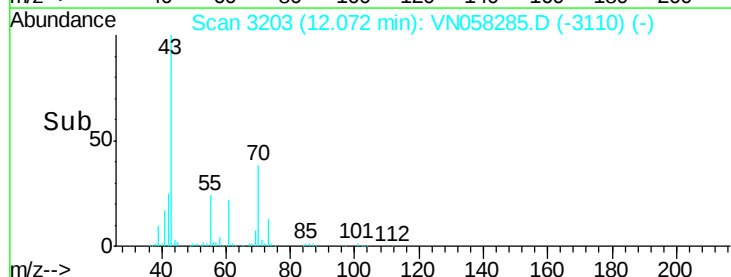
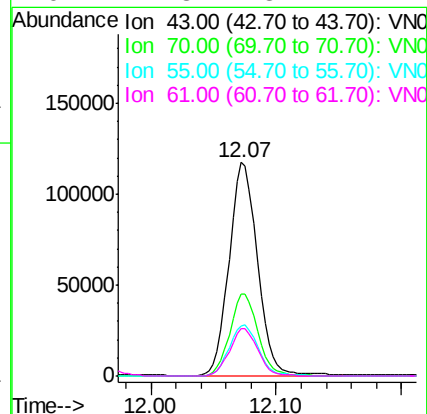
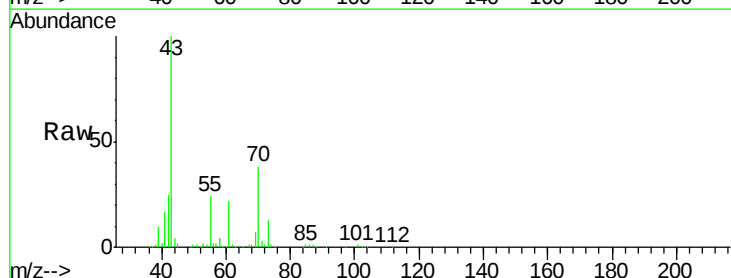
Ion Ratio Lower Upper

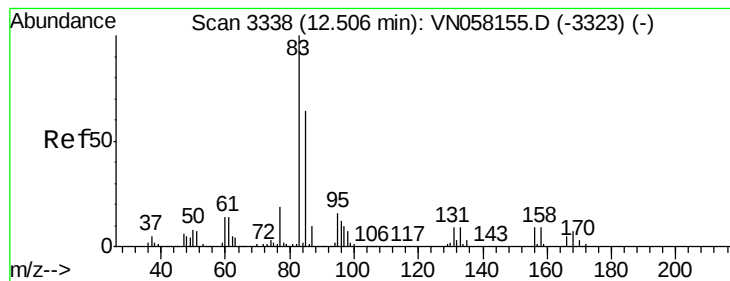
43 100

70 38.2 31.0 46.6

55 24.7 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.189 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

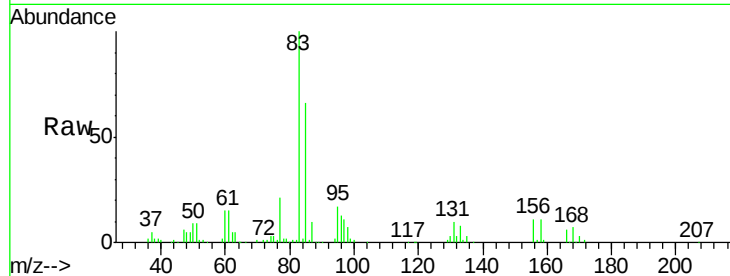
Tot Ion: 83 Resp: 150285

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

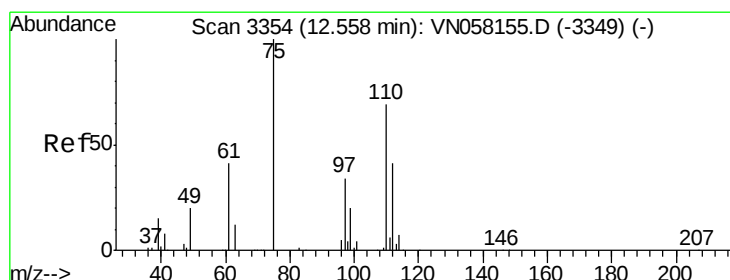
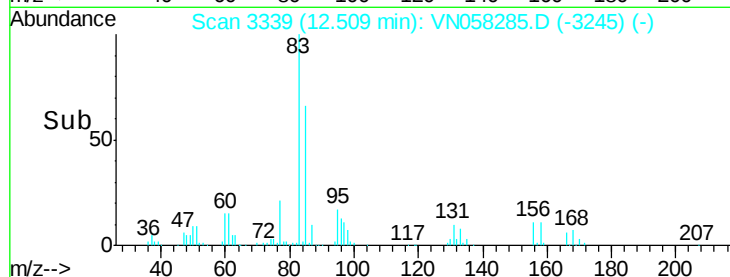
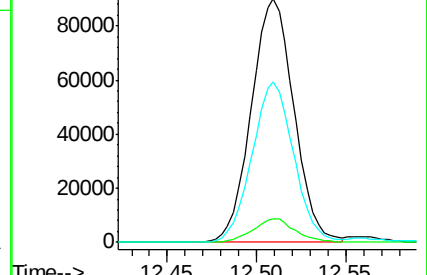
85 64.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.463 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058285.D

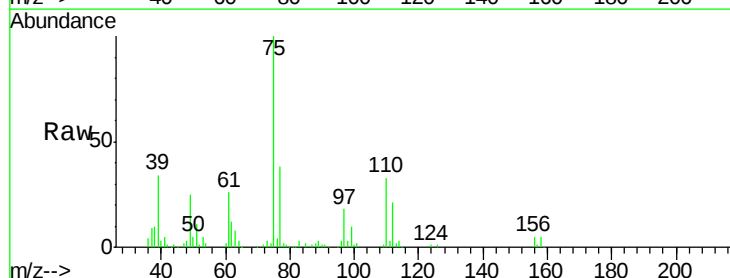
Acq: 23 Sep 2019 12:34

Tgt Ion: 75 Resp: 176162

Ion Ratio Lower Upper

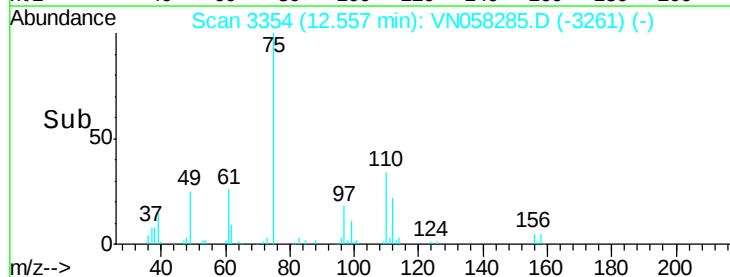
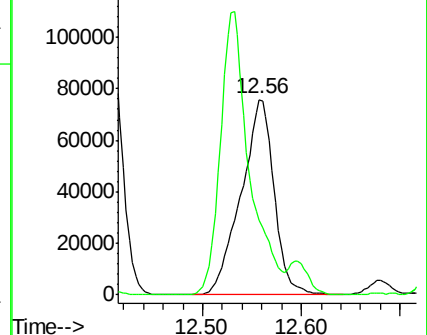
75 100

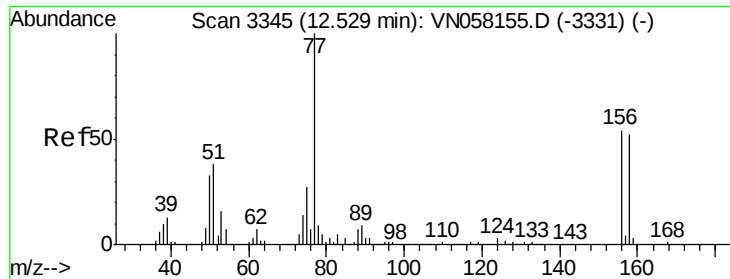
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.591 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD01

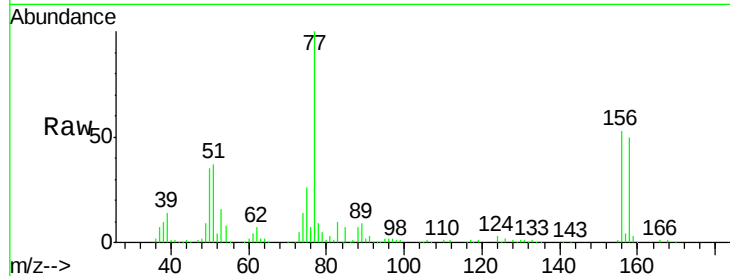
Tot Ion:156 Resp: 99667

Ion Ratio Lower Upper

156 100

77 228.2 111.7 335.1

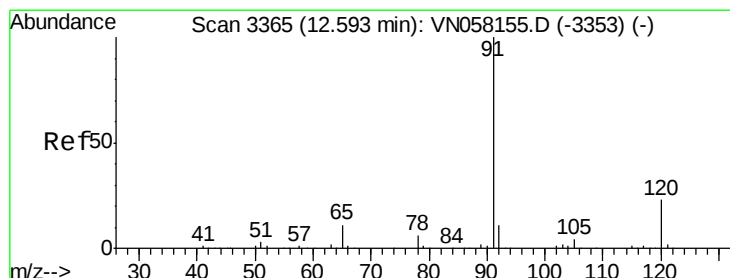
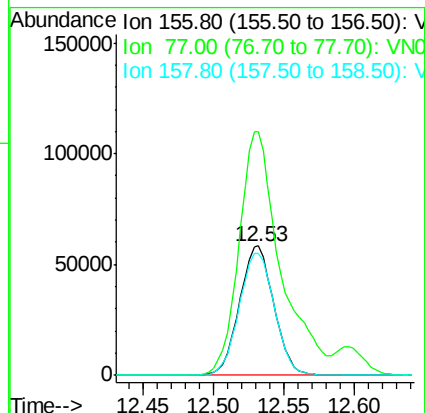
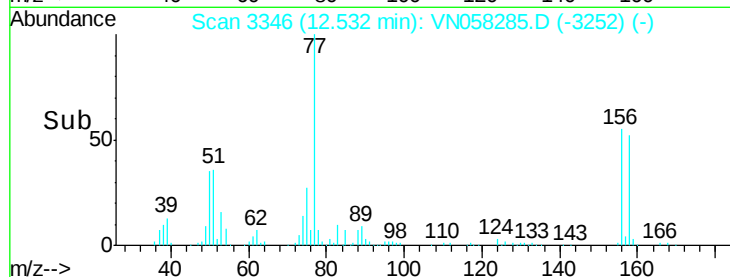
158 96.8 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.228 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058285.D

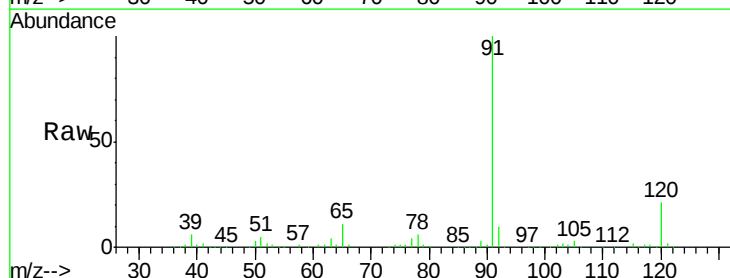
Acq: 23 Sep 2019 12:34

Tgt Ion: 91 Resp: 487891

Ion Ratio Lower Upper

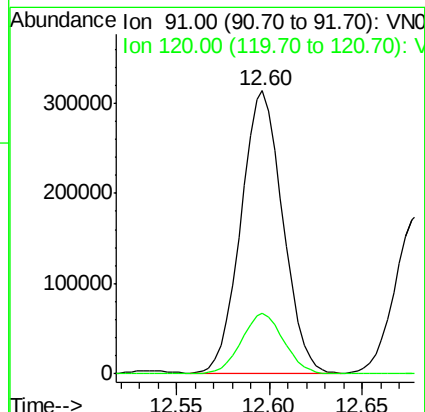
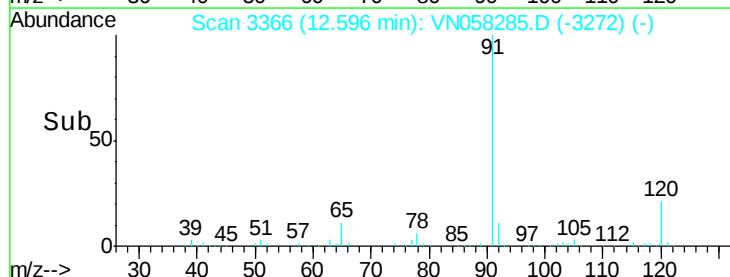
91 100

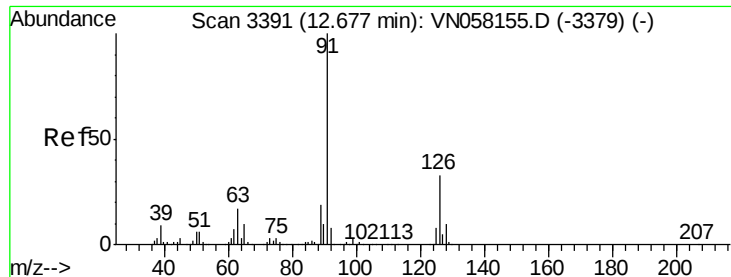
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

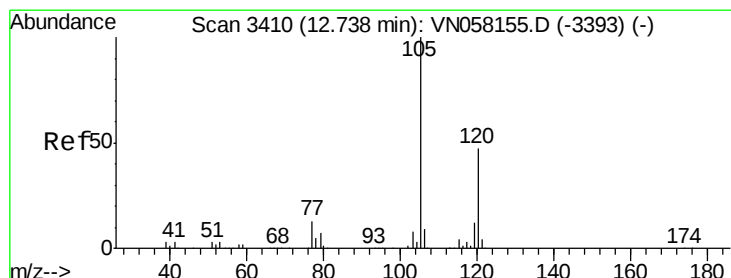
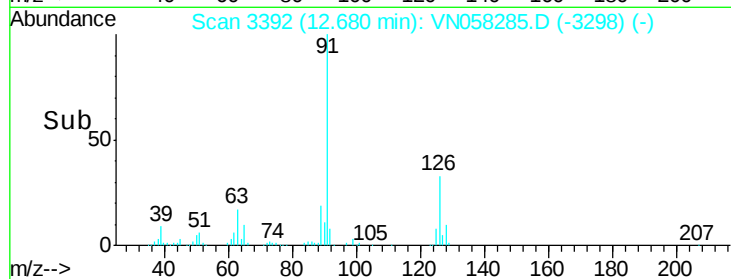
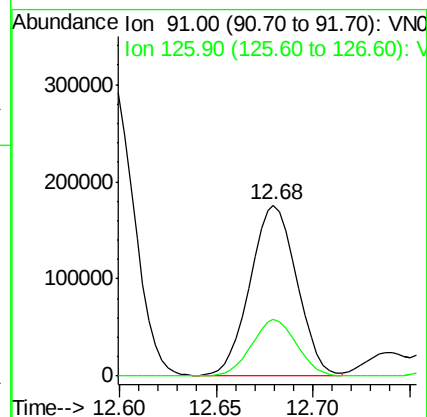
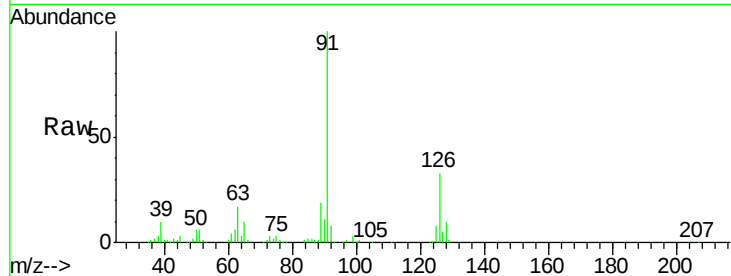




#79
 2-Chlorotoluene
 Concen: 20.386 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

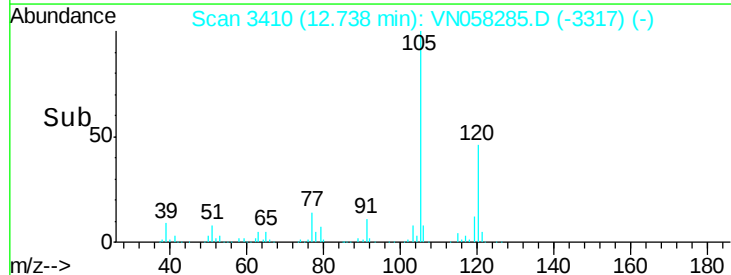
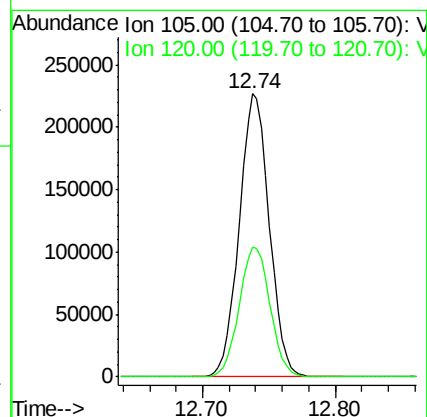
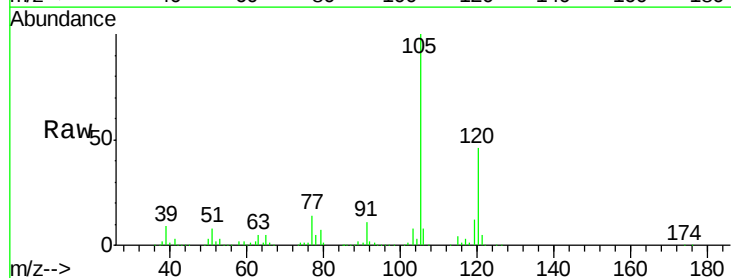
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

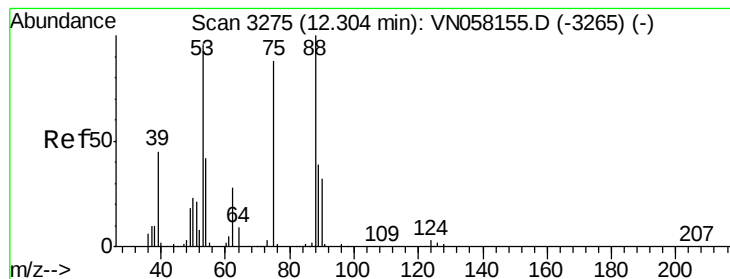
Tot Ion: 91 Resp: 292813
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.749 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion: 105 Resp: 354873
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.496 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

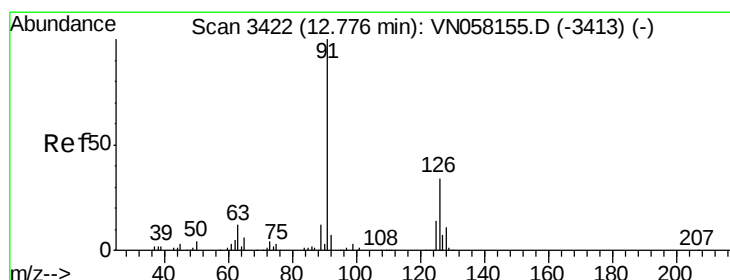
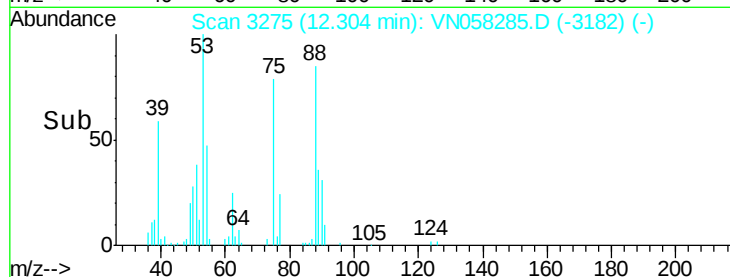
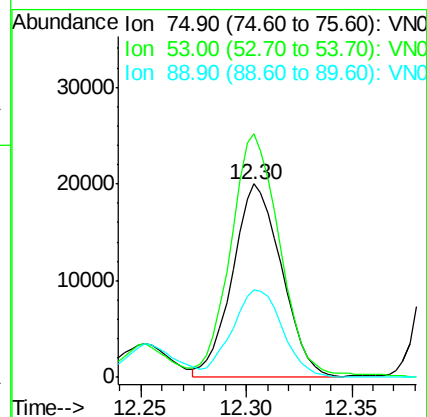
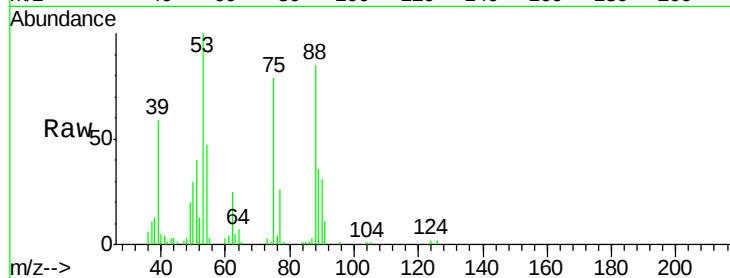
Tot Ion: 75 Resp: 32332

Ion Ratio Lower Upper

75 100

53 127.3 90.1 135.1

89 46.8 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.082 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058285.D

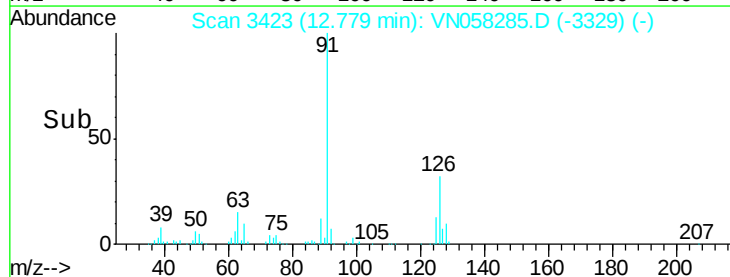
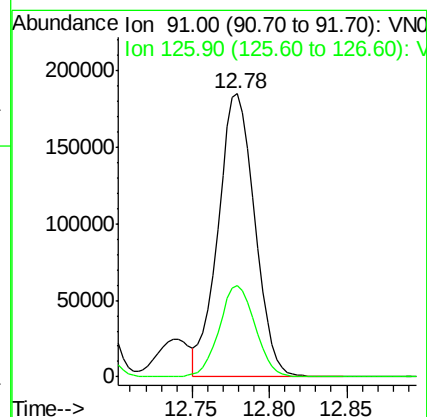
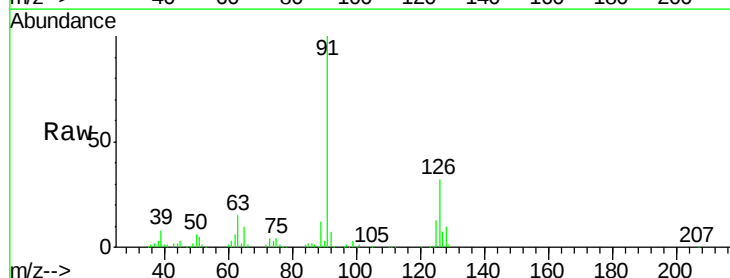
Acq: 23 Sep 2019 12:34

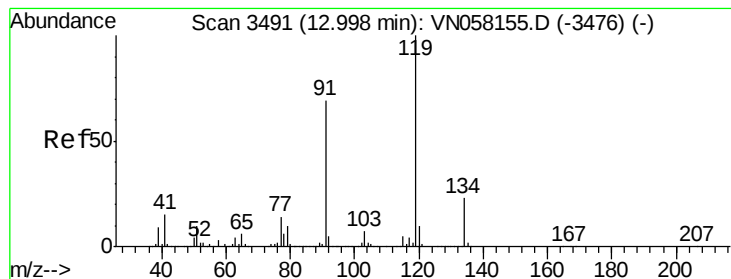
Tgt Ion: 91 Resp: 303211

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1





#83

tert-Butylbenzene

Concen: 20.721 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBSD01

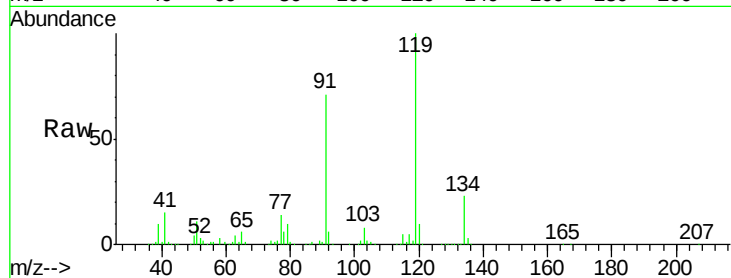
Tot Ion:119 Resp: 316044

Ion Ratio Lower Upper

119 100

91 68.7 33.8 101.3

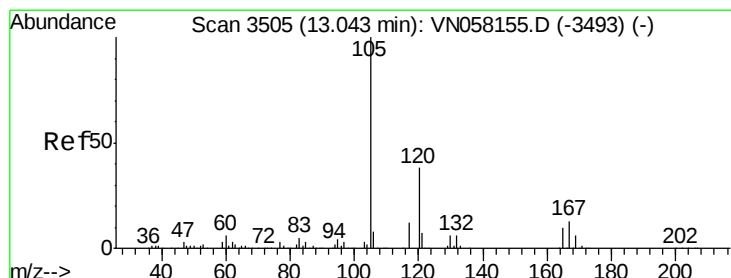
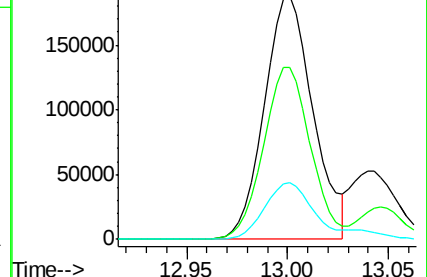
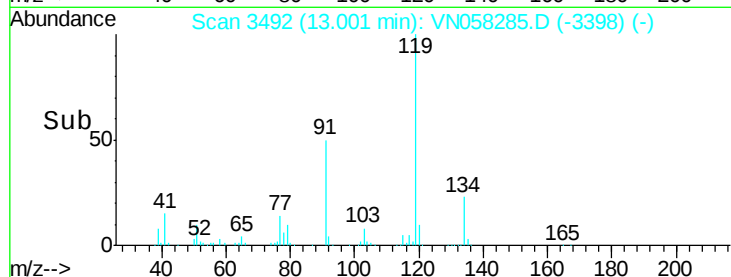
134 23.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.225 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058285.D

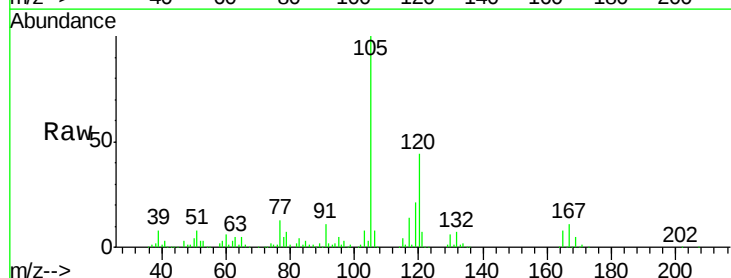
Acq: 23 Sep 2019 12:34

Tgt Ion:105 Resp: 361253

Ion Ratio Lower Upper

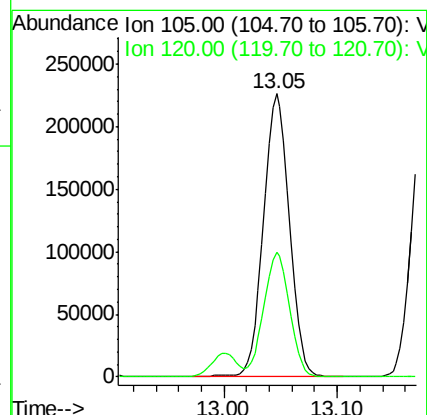
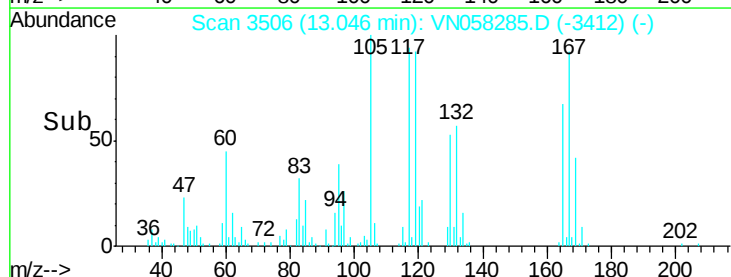
105 100

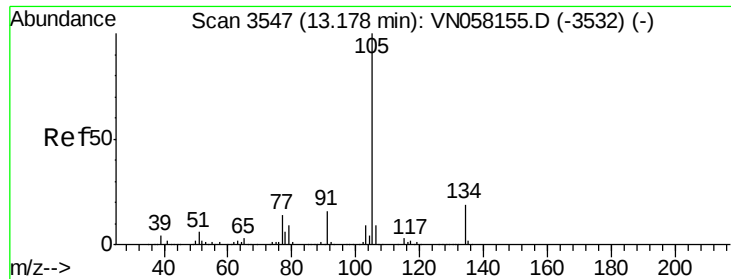
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.993 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

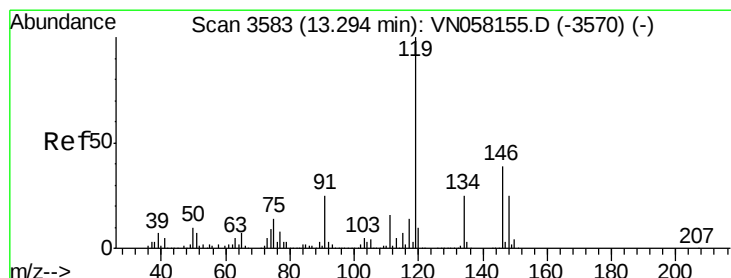
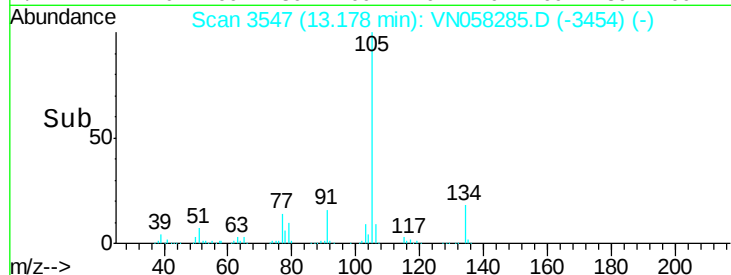
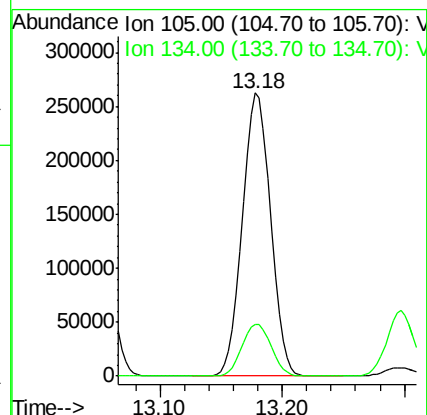
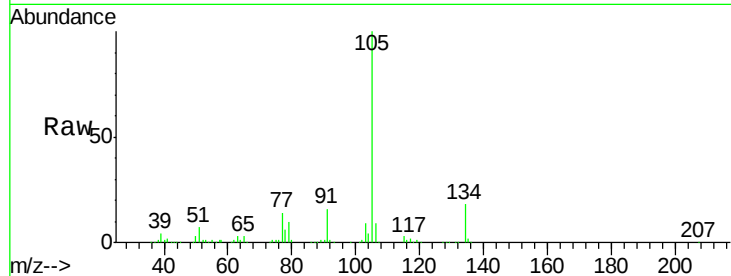
VN0923WBSD01

Tot Ion:105 Resp: 418701

Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.752 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

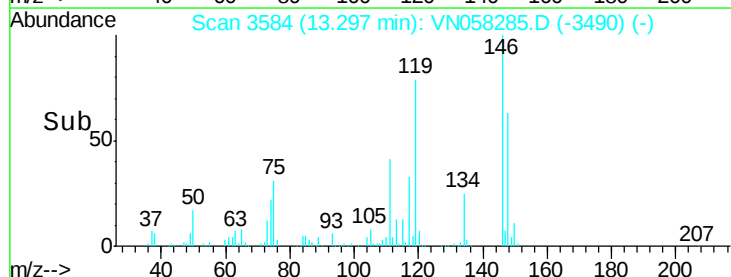
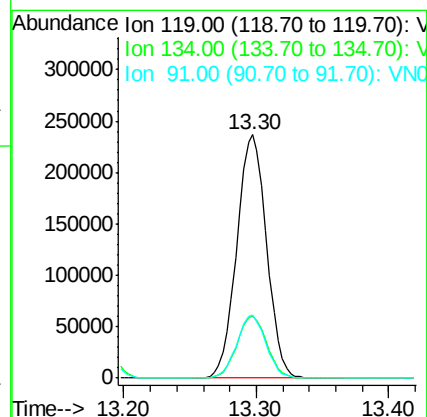
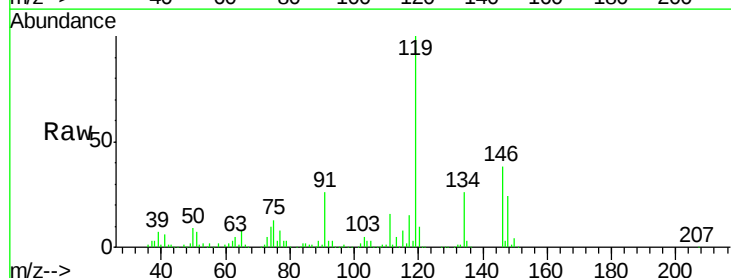
Tgt Ion:119 Resp: 367949

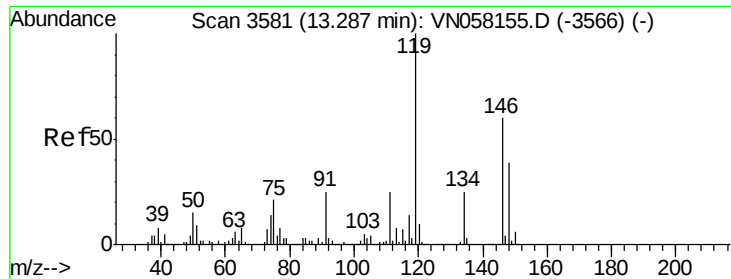
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.169 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD01

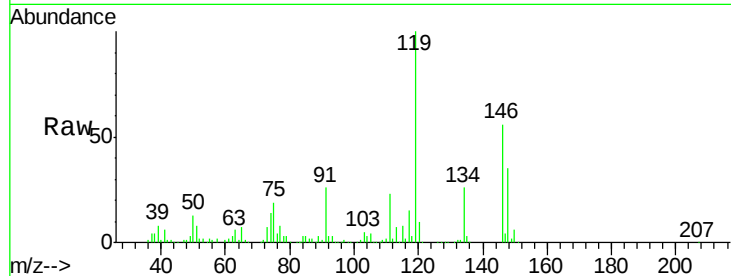
Tot Ion:146 Resp: 187419

Ion Ratio Lower Upper

146 100

111 41.3 20.9 62.8

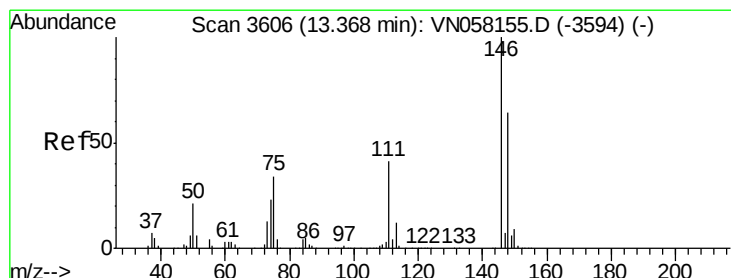
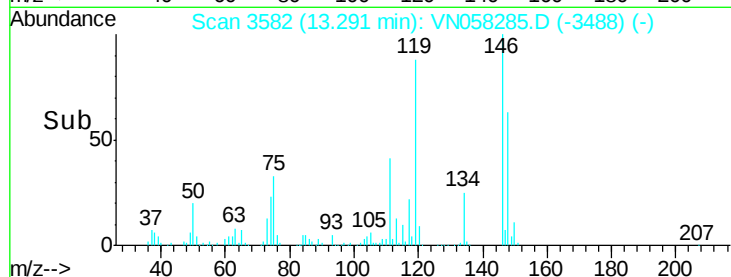
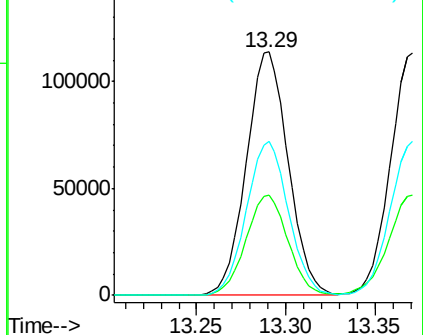
148 63.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.578 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

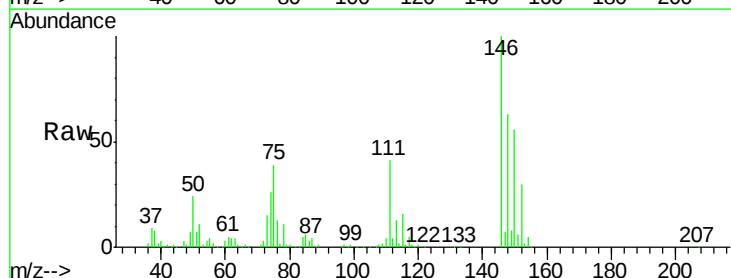
Tgt Ion:146 Resp: 185726

Ion Ratio Lower Upper

146 100

111 43.2 20.5 61.5

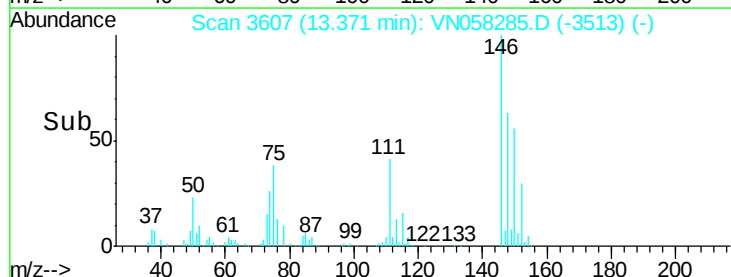
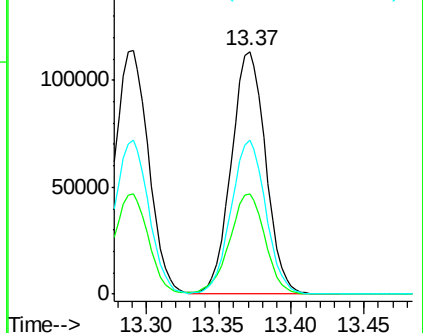
148 63.8 31.9 95.5

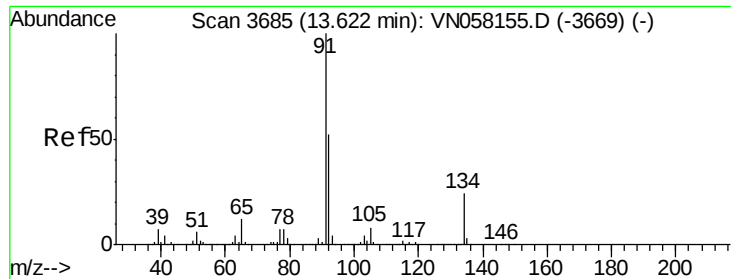


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

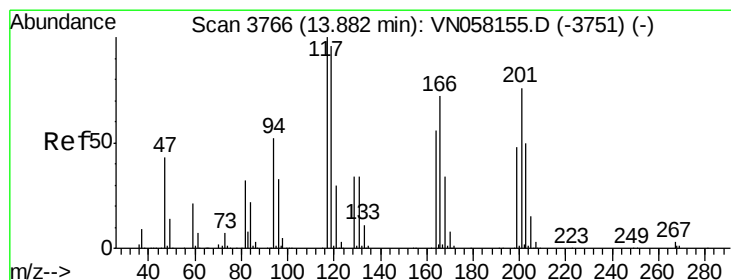
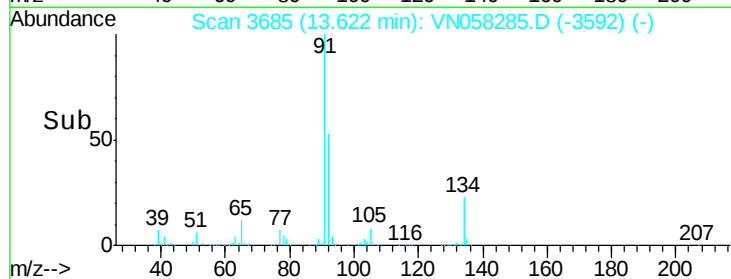
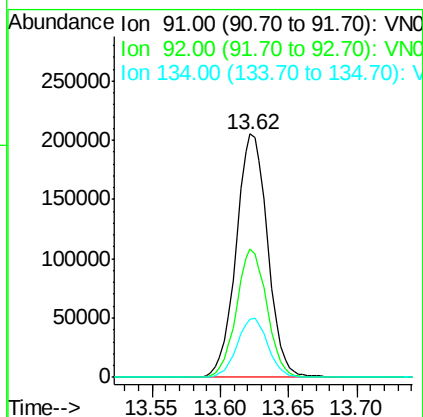
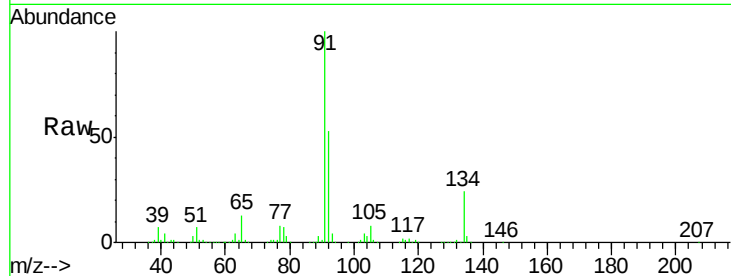




#89
n-Butylbenzene
Concen: 19.517 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

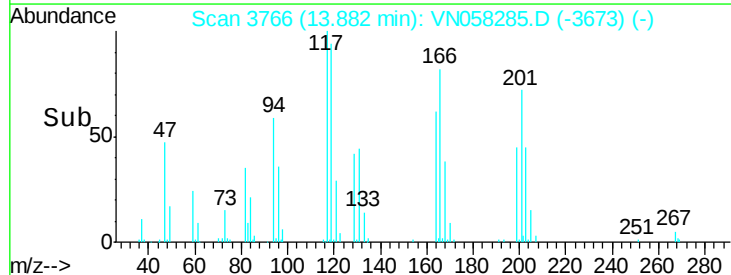
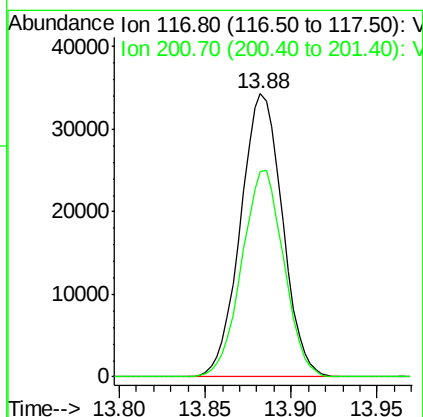
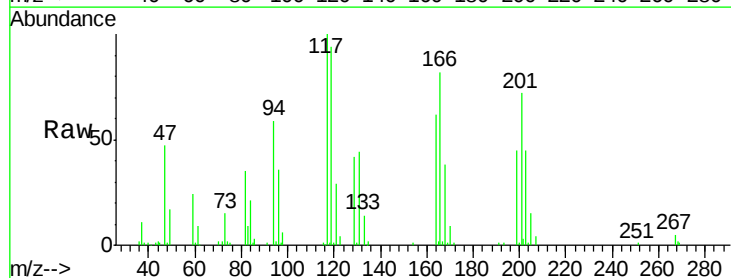
Instrument :
MSVOA_N
ClientSampled :
VN0923WBSD01

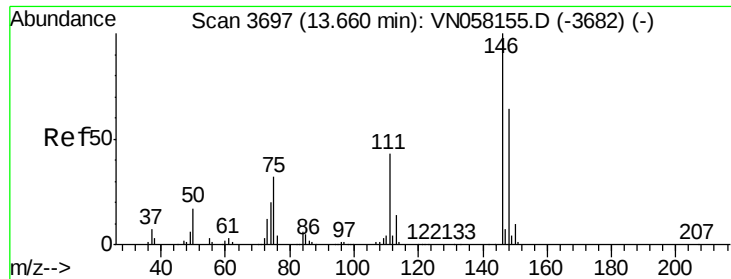
Tot Ion: 91 Resp: 328083
Ion Ratio Lower Upper
91 100
92 51.2 25.7 77.0
134 23.8 11.8 35.4



#90
Hexachloroethane
Concen: 20.426 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion: 117 Resp: 58007
Ion Ratio Lower Upper
117 100
201 72.9 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 20.407 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0923WBSD01

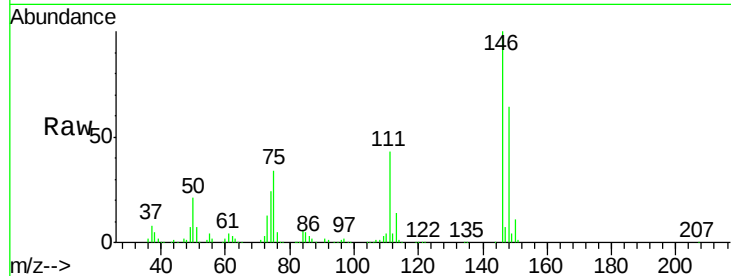
Tot Ion:146 Resp: 190214

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.1

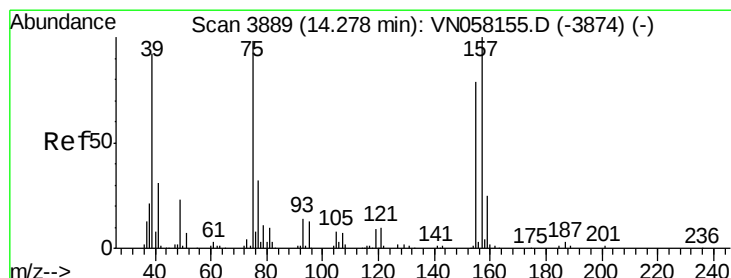
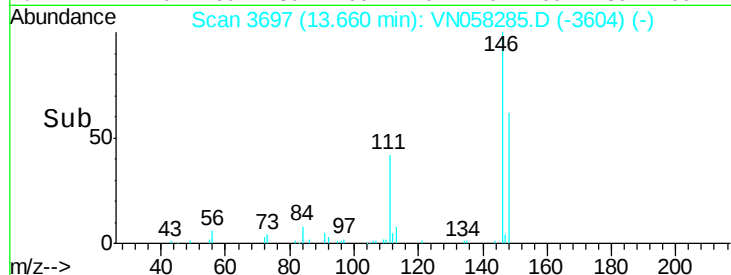
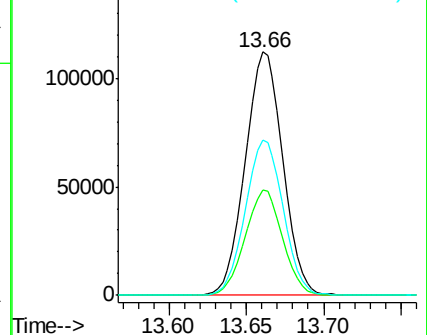
148 64.1 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.285 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058285.D

Acq: 23 Sep 2019 12:34

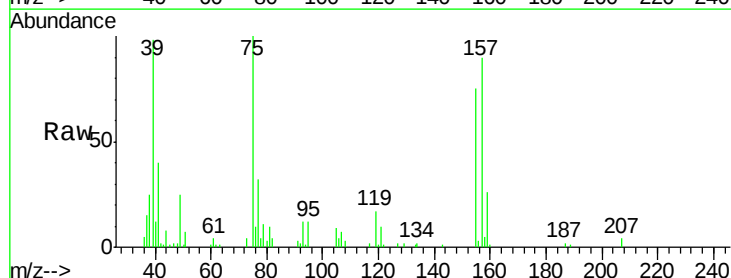
Tgt Ion: 75 Resp: 25954

Ion Ratio Lower Upper

75 100

155 73.7 38.3 114.8

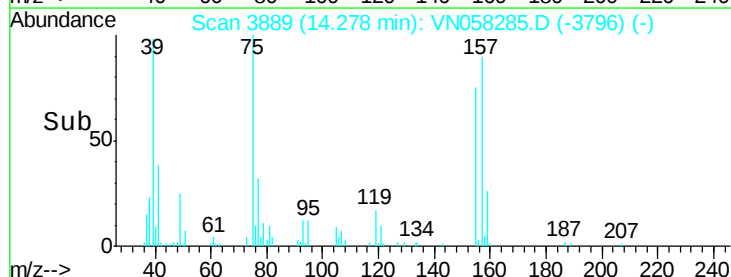
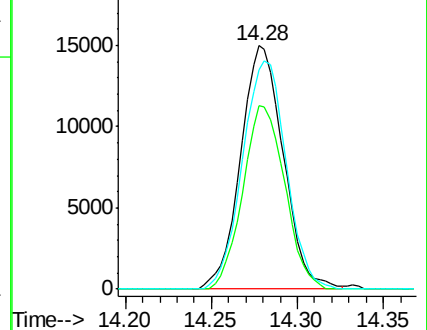
157 95.6 48.0 144.0

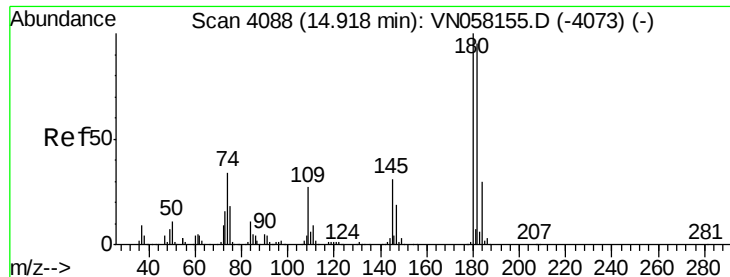


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

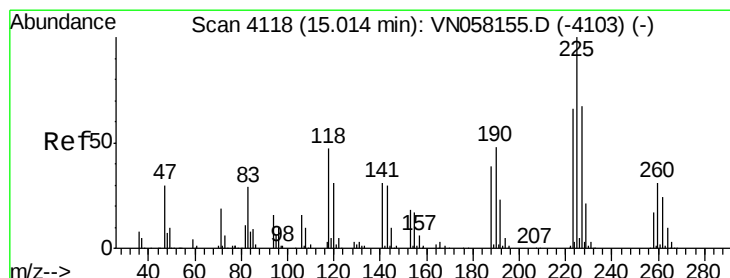
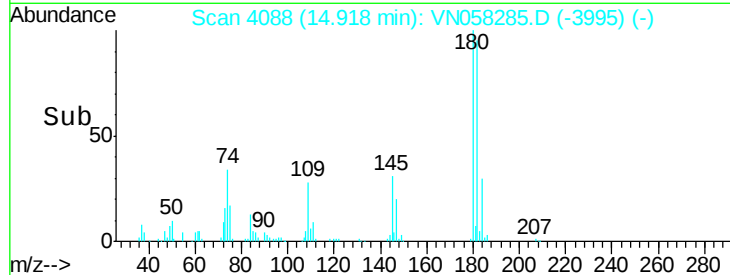
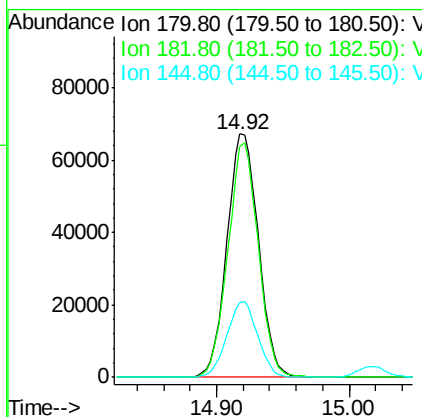
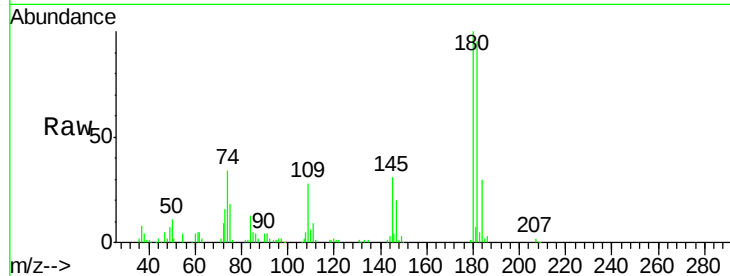




#93
 1,2,4-Trichlorobenzene
 Concen: 18.633 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

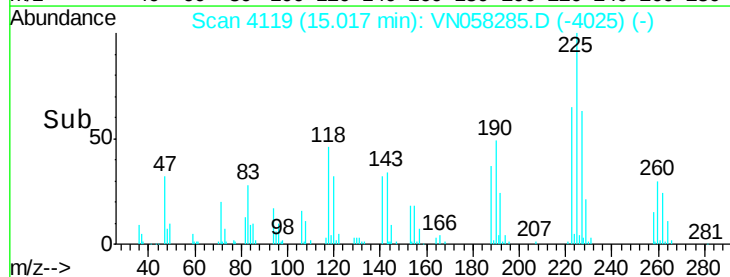
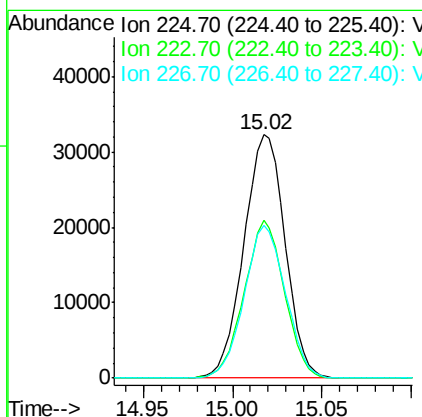
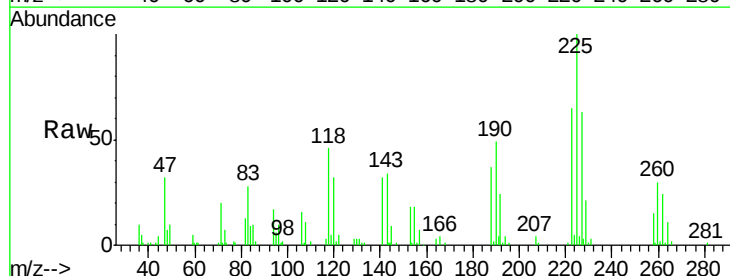
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

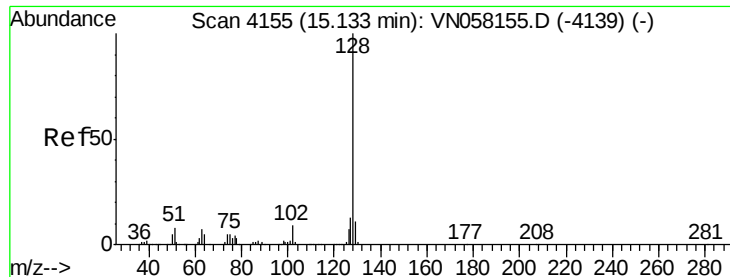
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.8	143.3
145	30.4	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 18.106 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058285.D
 Acq: 23 Sep 2019 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.6	97.7
227	62.7	33.0	99.0

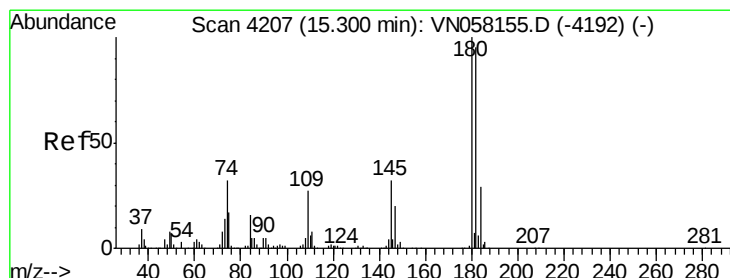
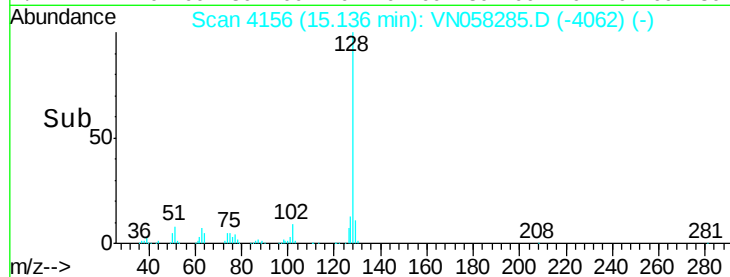
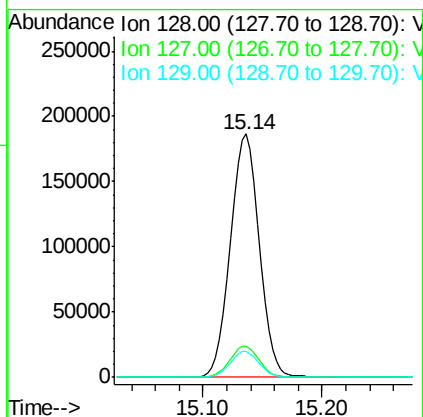
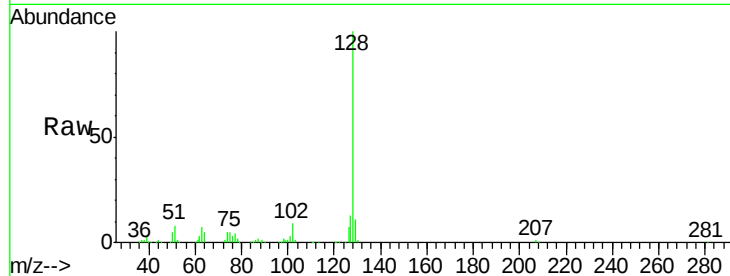




#95
Naphthalene
Concen: 20.390 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBSD01

Tot Ion:128 Resp: 314708
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.535 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058285.D
Acq: 23 Sep 2019 12:34

Tgt Ion:180 Resp: 104333
Ion Ratio Lower Upper
180 100
182 92.3 47.4 142.2
145 32.4 16.1 48.2

