

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103019\
 Data File : VN059022.D
 Acq On : 30 Oct 2019 12:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 01:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	403926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	636738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298506	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	278688	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	7.57	113	214745	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	10.08	98	806559	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	312895	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	214893	42.670	ug/l	100
3) Chloromethane	2.04	50	275509	44.171	ug/l	100
4) Vinyl Chloride	2.17	62	284261	45.900	ug/l	99
5) Bromomethane	2.54	94	164669	42.460	ug/l	98
6) Chloroethane	2.68	64	176285	44.388	ug/l	98
7) Trichlorofluoromethane	3.00	101	357564	46.662	ug/l	99
8) Diethyl Ether	3.39	74	138658	52.362	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	209404	49.293	ug/l	98
10) Methyl Iodide	3.93	142	257943	46.167	ug/l	99
11) Tert butyl alcohol	4.75	59	245277	249.494	ug/l	100
12) 1,1-Dichloroethene	3.72	96	194229	48.777	ug/l	97
13) Acrolein	3.58	56	144698	214.212	ug/l	99
14) Allyl chloride	4.30	41	373217	46.319	ug/l	96
15) Acrylonitrile	4.96	53	661833	267.635	ug/l	99
16) Acetone	3.79	43	747985	255.512	ug/l	98
17) Carbon Disulfide	4.03	76	546996	42.644	ug/l	100
18) Methyl Acetate	4.30	43	355662	53.439	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	749714	53.770	ug/l	99
20) Methylene Chloride	4.52	84	242866	48.587	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	214019	48.668	ug/l	97
22) Diisopropyl ether	5.92	45	854167	54.197	ug/l	95
23) Vinyl Acetate	5.87	43	3511233	277.297	ug/l	99
24) 1,1-Dichloroethane	5.82	63	454643	49.750	ug/l	99
25) 2-Butanone	6.81	43	980252	257.957	ug/l	99
26) 2,2-Dichloropropane	6.80	77	400239	50.633	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255716	50.904	ug/l	99
28) Bromochloromethane	7.18	49	152366	50.062	ug/l	100
29) Tetrahydrofuran	7.19	42	609117	262.028	ug/l	100
30) Chloroform	7.35	83	446768	48.737	ug/l	100
31) Cyclohexane	7.63	56	388914	45.681	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	378057	48.928	ug/l	98
36) 1,1-Dichloropropene	7.77	75	335278	51.432	ug/l	100
37) Ethyl Acetate	6.91	43	372905	52.499	ug/l	99
38) Carbon Tetrachloride	7.75	117	326095	48.557	ug/l	97

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Instrument :
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Quant Time: Oct 31 01:26:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	374857	51.212	ug/l	99
40) Benzene	8.02	78	1001040	52.294	ug/l	99
41) Methacrylonitrile	7.15	41	166153	52.521	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	363722	49.325	ug/l	99
43) Isopropyl Acetate	8.15	43	605516	53.154	ug/l	100
44) Trichloroethene	8.82	130	238458	51.138	ug/l	100
45) 1,2-Dichloropropane	9.10	63	278422	53.041	ug/l	100
46) Dibromomethane	9.19	93	168667	50.828	ug/l	97
47) Bromodichloromethane	9.39	83	356191	52.079	ug/l	98
48) Methyl methacrylate	9.19	41	279465	54.071	ug/l	96
49) 1,4-Dioxane	9.18	88	97154	1145.085	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1900668	285.649	ug/l	98
52) Toluene	10.15	92	608881	53.637	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	408380	53.937	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	437923	54.138	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	246408	52.692	ug/l	98
56) Ethyl methacrylate	10.42	69	397404	50.566	ug/l	96
57) 1,3-Dichloropropane	10.70	76	434959	52.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	841824	253.697	ug/l	100
59) 2-Hexanone	10.75	43	1459230	283.805	ug/l	98
60) Dibromochloromethane	10.90	129	276227	54.878	ug/l	99
61) 1,2-Dibromoethane	11.00	107	255588	53.406	ug/l	100
64) Tetrachloroethene	10.63	164	209824	50.447	ug/l	98
65) Chlorobenzene	11.43	112	654508	54.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	249275	54.634	ug/l	99
67) Ethyl Benzene	11.51	91	1201809	56.661	ug/l	99
68) m/p-Xylenes	11.62	106	892065	113.411	ug/l	99
69) o-Xylene	11.95	106	427969	57.048	ug/l	98
70) Styrene	11.97	104	722576	52.106	ug/l	99
71) Bromoform	12.13	173	199781	56.466	ug/l #	98
73) Isopropylbenzene	12.25	105	1169465	53.608	ug/l	99
74) N-amyl acetate	12.07	43	530812	53.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	391295	51.012	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	520070	75.174	ug/l #	100
77) Bromobenzene	12.53	156	280448	52.156	ug/l	97
78) n-propylbenzene	12.59	91	1404997	54.486	ug/l	100
79) 2-Chlorotoluene	12.68	91	824450	52.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	997676	54.432	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141035	53.107	ug/l	96
82) 4-Chlorotoluene	12.78	91	850433	52.729	ug/l	99
83) tert-Butylbenzene	13.00	119	850159	54.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1004164	55.545	ug/l	99
85) sec-Butylbenzene	13.17	105	1155632	55.302	ug/l	99
86) p-Isopropyltoluene	13.29	119	1047125	56.791	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	508708	52.910	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	499922	51.934	ug/l	98
89) n-Butylbenzene	13.62	91	944743	55.778	ug/l	99
90) Hexachloroethane	13.88	117	191334	51.211	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	505935	53.539	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	78909	45.482	ug/l	94

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Instrument :
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Quant Time: Oct 31 01:26:30 2019
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

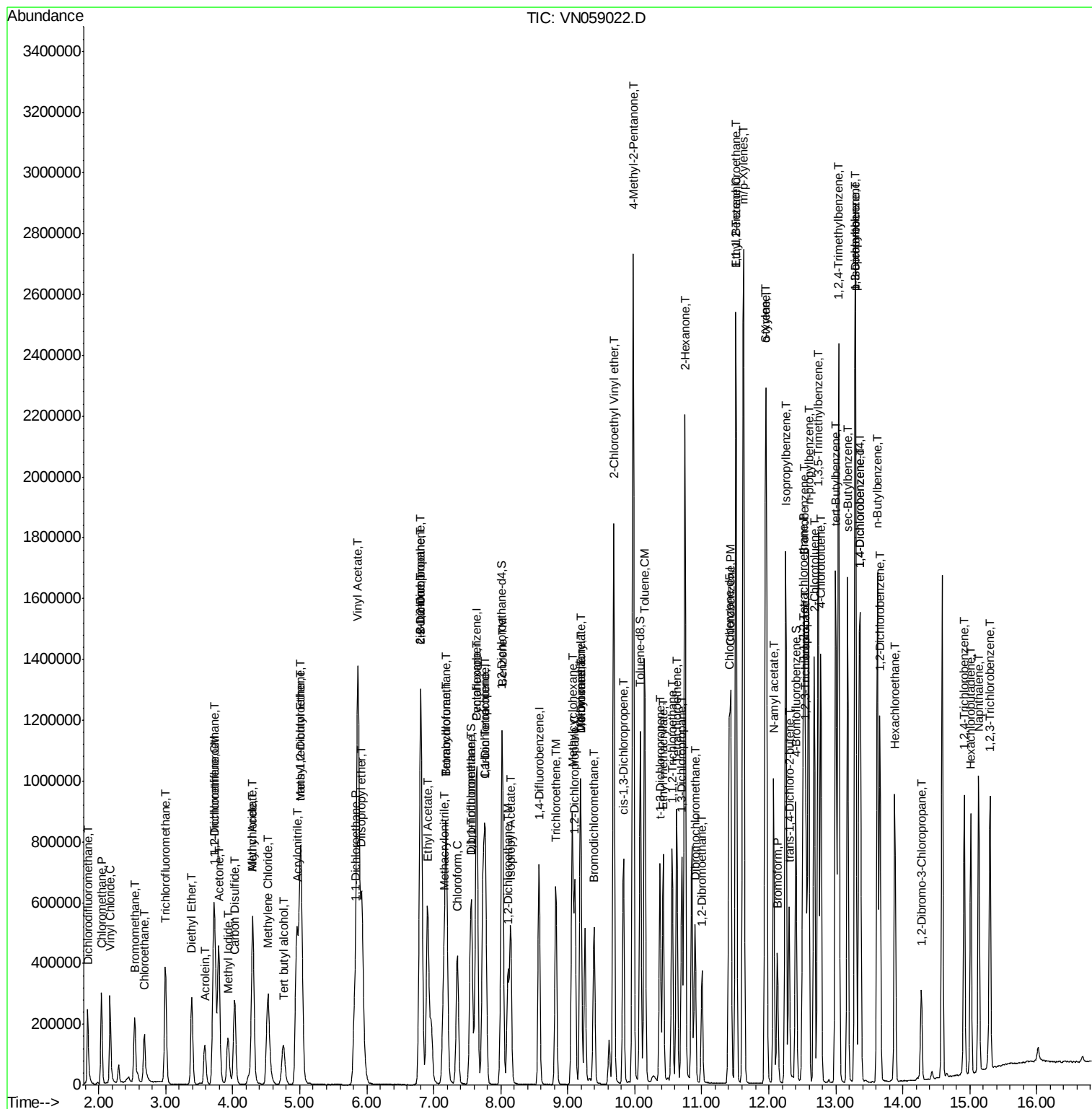
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	294560	49.539	ug/l	99
94) Hexachlorobutadiene	15.01	225	165225	53.944	ug/l	98
95) Naphthalene	15.13	128	789008	46.317	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	287095	49.593	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN103019\
Data File : VN059022.D
Acq On : 30 Oct 2019 12:30
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 31 01:26:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

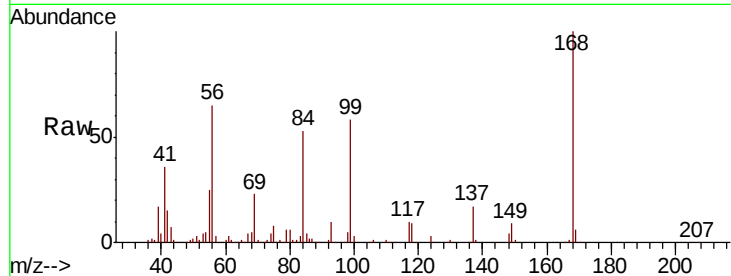
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 403926

Ion Ratio Lower Upper

168 100

99 57.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

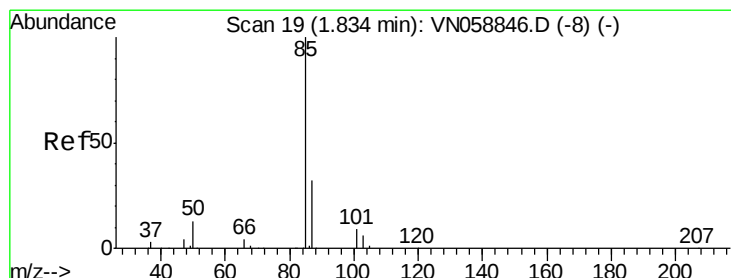
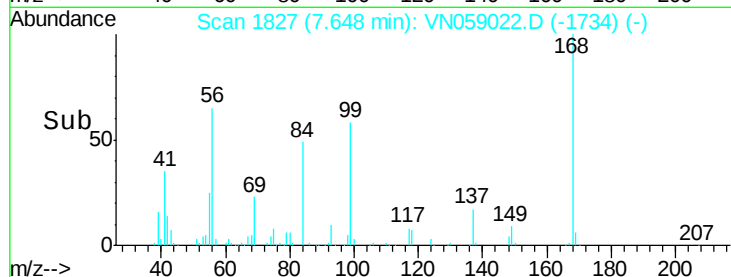
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.670 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059022.D

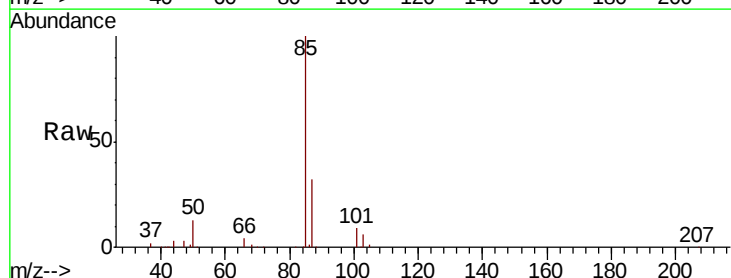
Acq: 30 Oct 2019 12:30

Tgt Ion: 85 Resp: 214893

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

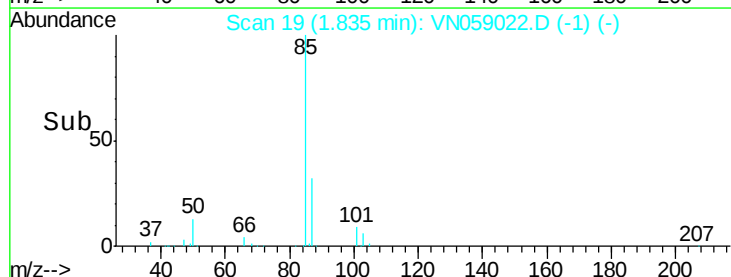
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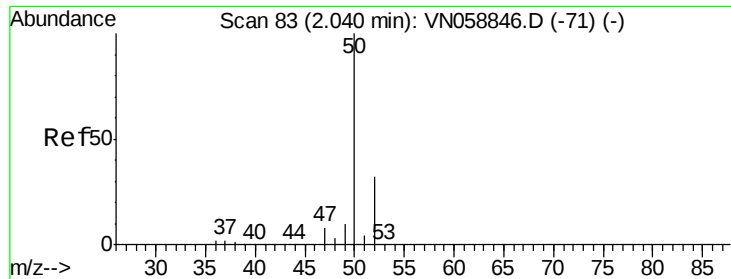
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.171 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

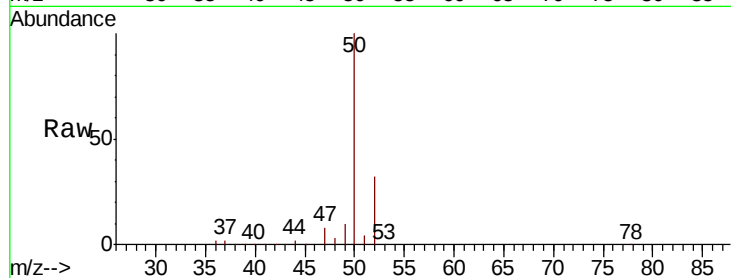
ClientSampled :

Tot Ion: 50 Resp: 275509

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

200000

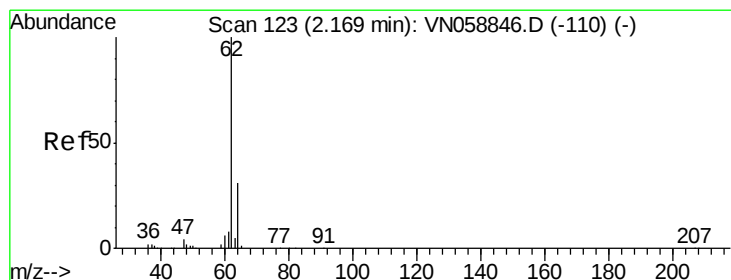
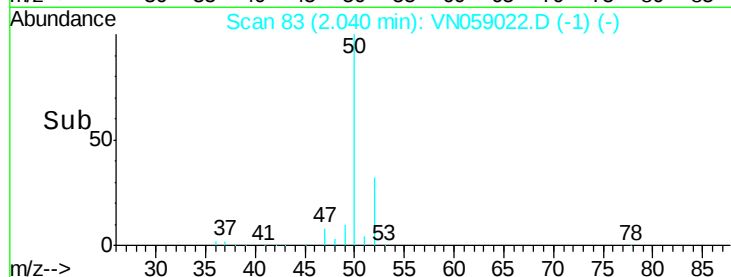
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 45.900 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059022.D

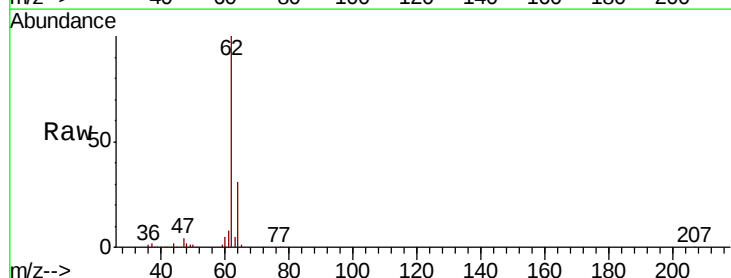
Acq: 30 Oct 2019 12:30

Tgt Ion: 62 Resp: 284261

Ion Ratio Lower Upper

62 100

64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

200000

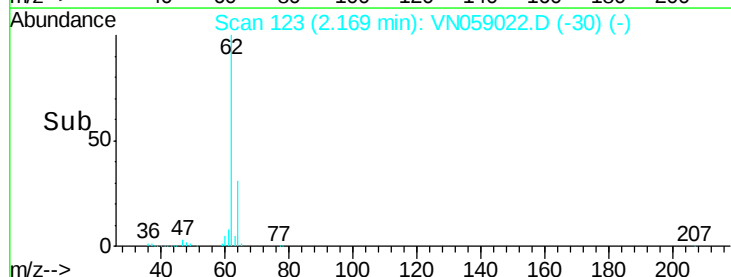
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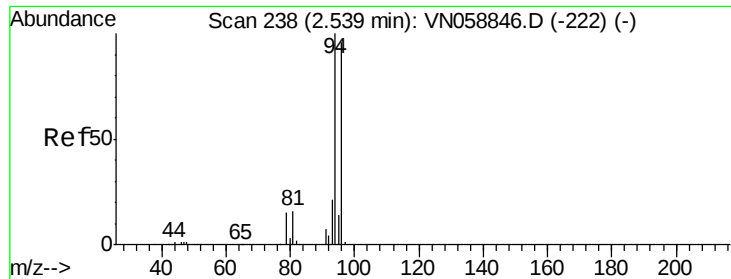
100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 42.460 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

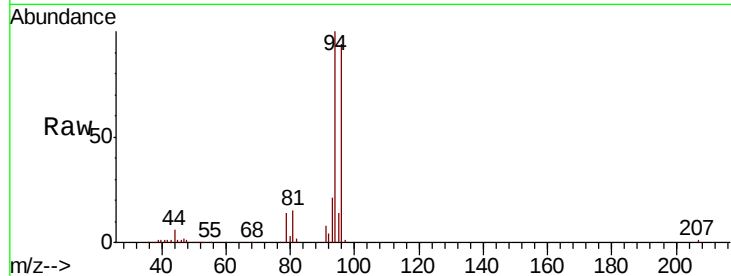
ClientSampleId :

Tot Ion: 94 Resp: 164669

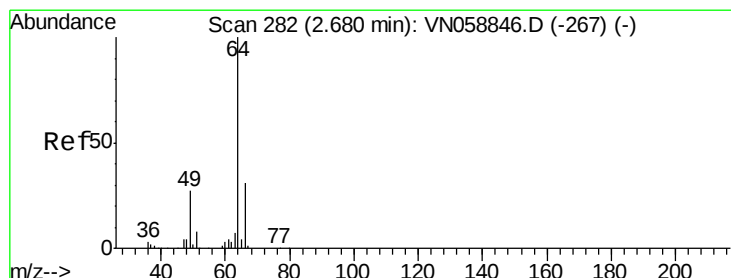
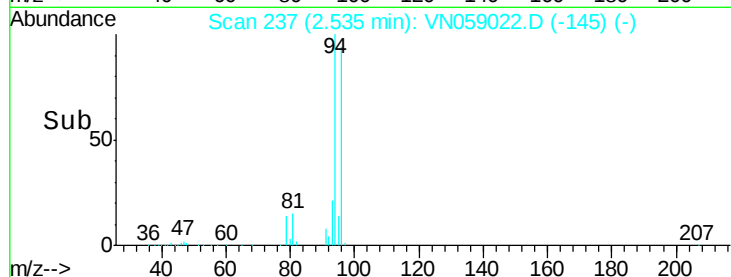
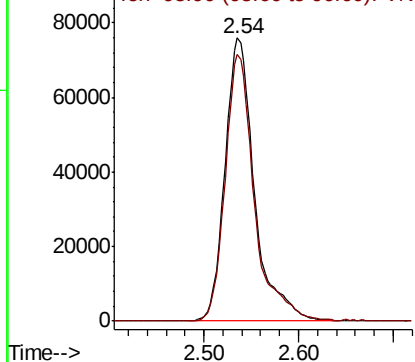
Ion Ratio Lower Upper

94 100

96 94.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.388 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059022.D

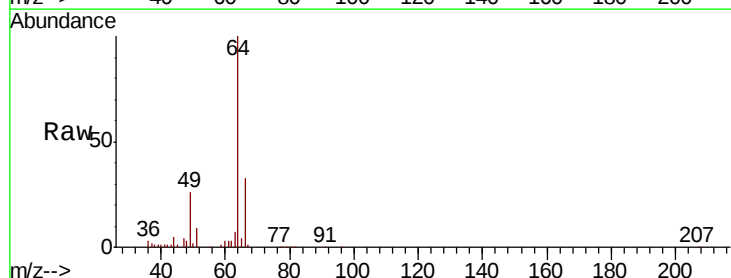
Acq: 30 Oct 2019 12:30

Tgt Ion: 64 Resp: 176285

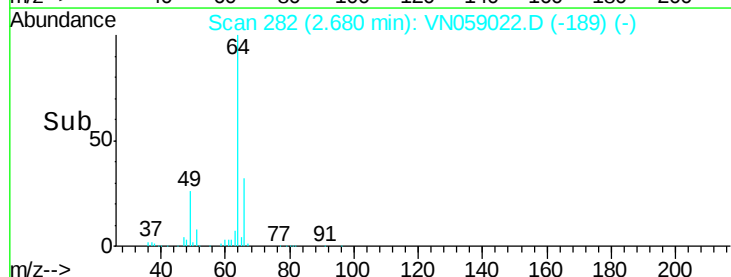
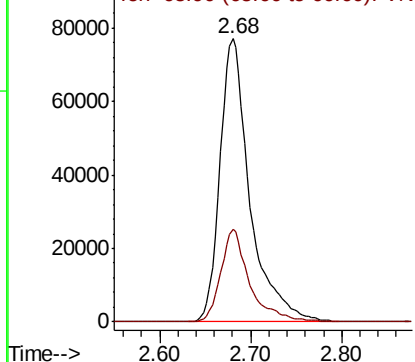
Ion Ratio Lower Upper

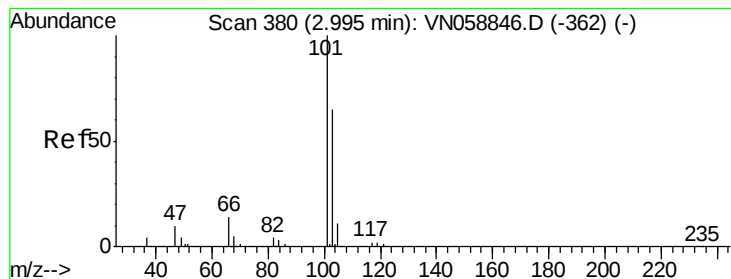
64 100

66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



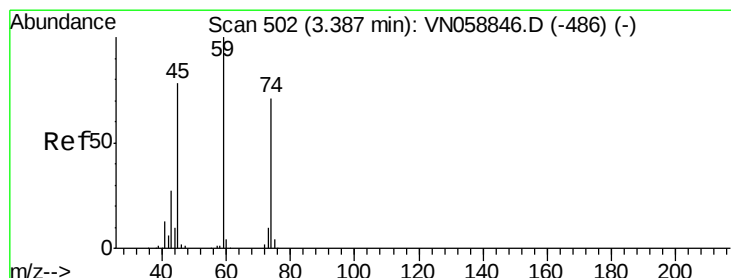
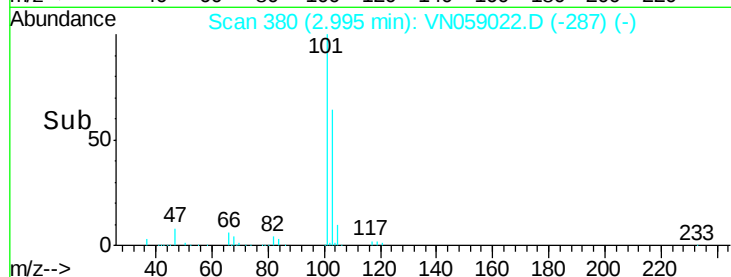
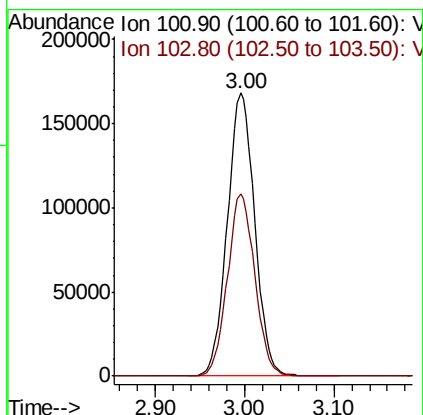
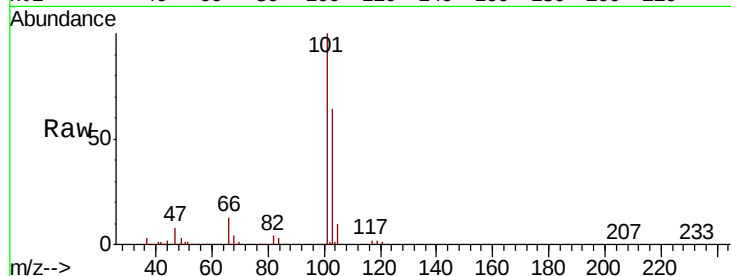


#7

Trichlorofluoromethane
Concen: 46.662 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampled :

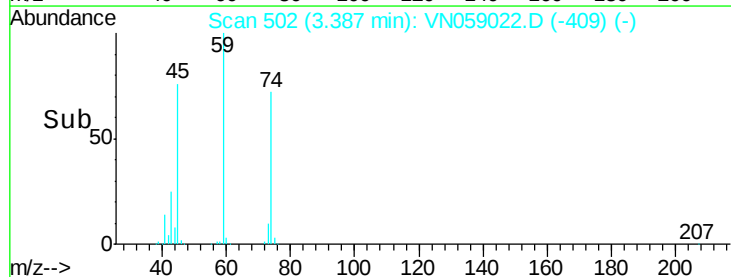
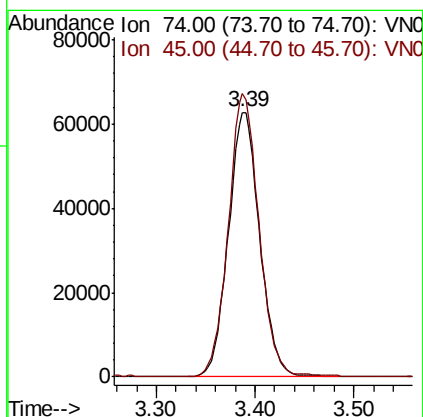
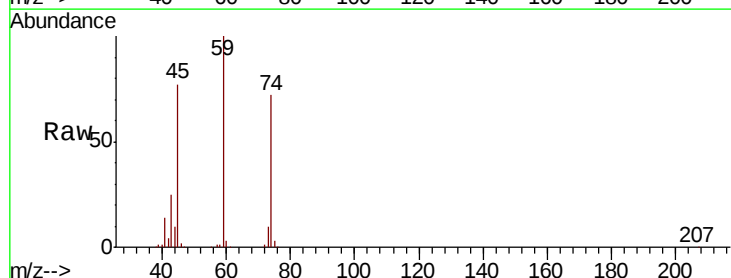
Tot Ion:101 Resp: 357564
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.2

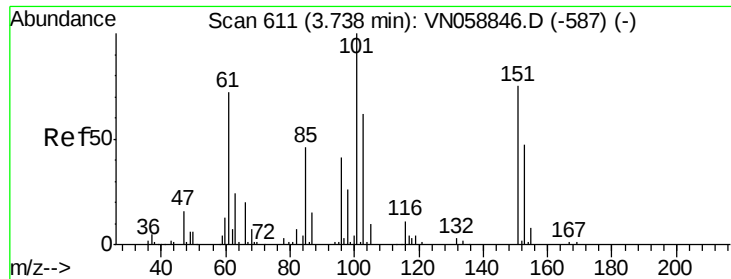


#8

Diethyl Ether
Concen: 52.362 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 74 Resp: 138658
Ion Ratio Lower Upper
74 100
45 104.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.293 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

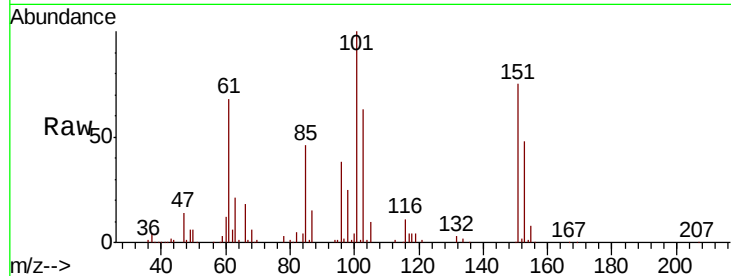
Tot Ion:101 Resp: 209404

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

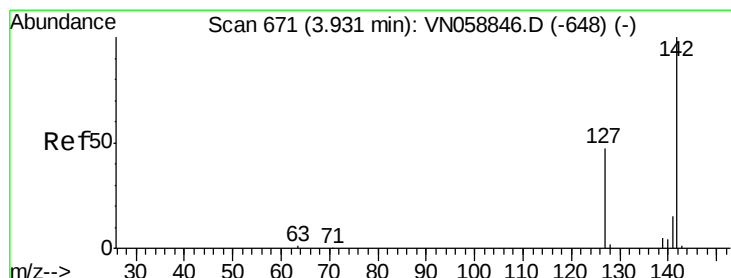
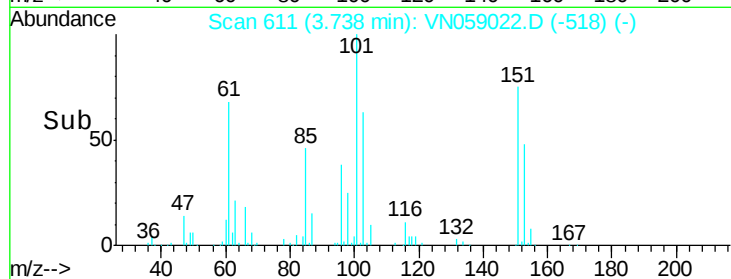
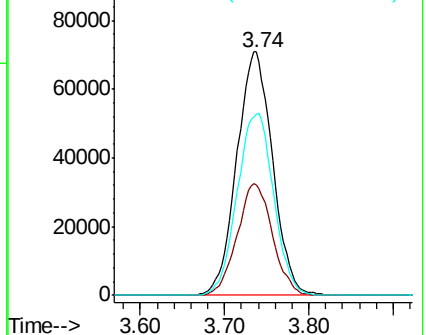
151 76.1 59.9 89.9



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: 46.167 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

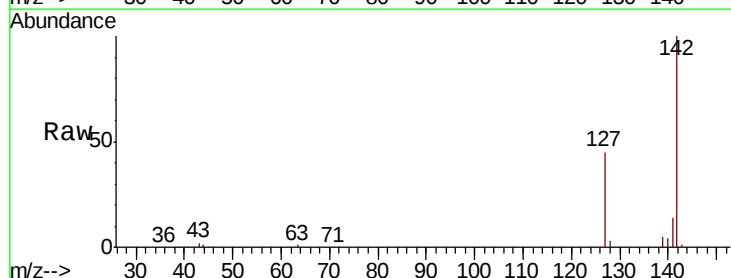
Tgt Ion:142 Resp: 257943

Ion Ratio Lower Upper

142 100

127 45.0 36.6 54.8

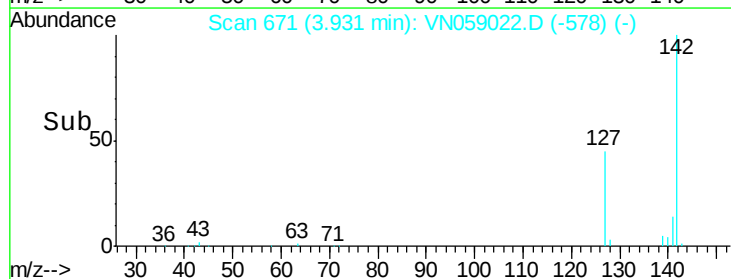
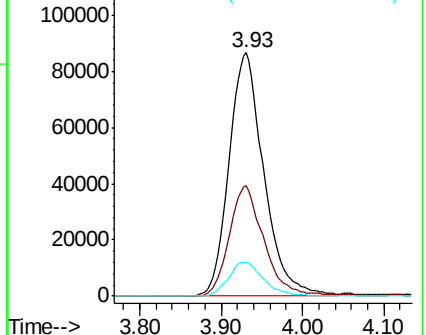
141 14.1 11.4 17.2



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



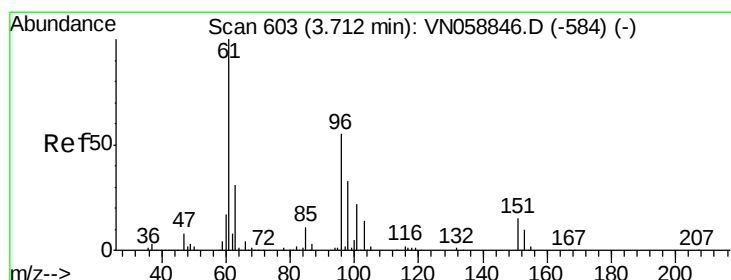
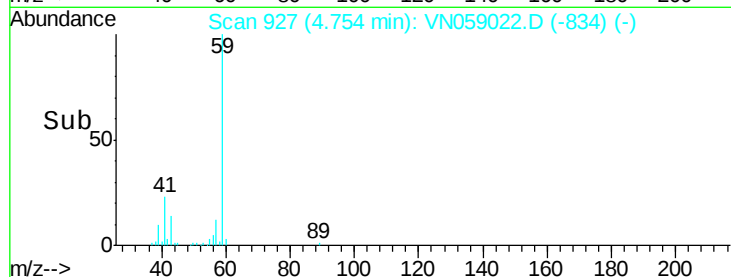
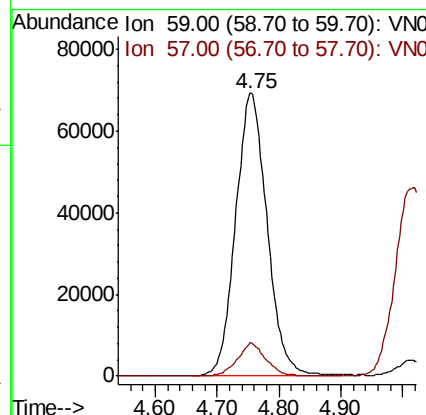
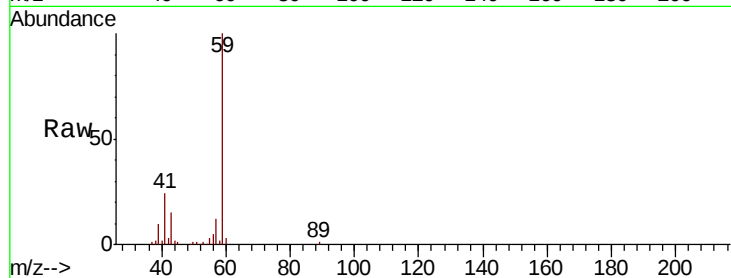


#11

Tert butyl alcohol
Concen: 249.494 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :

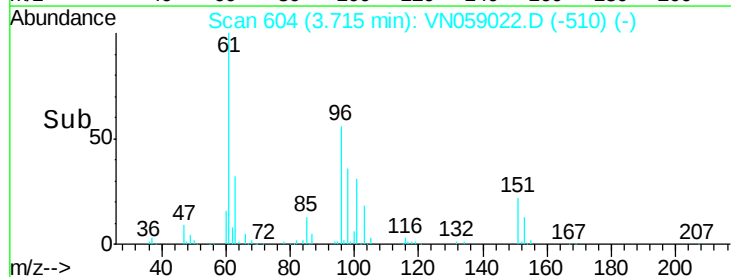
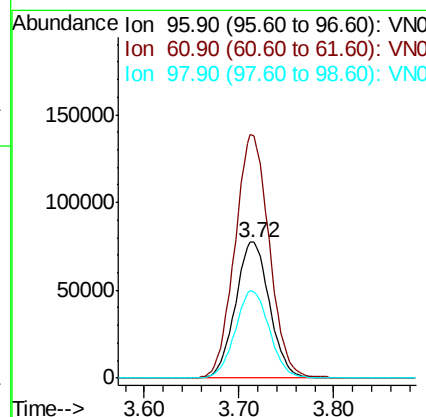
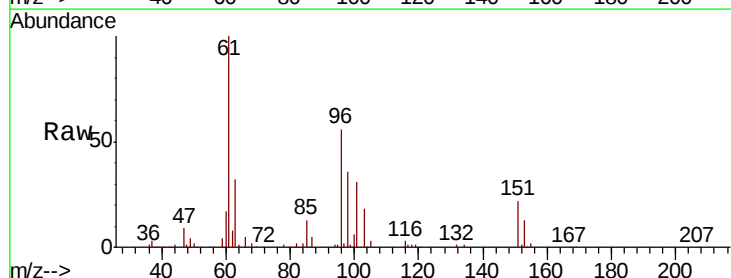
Tot Ion: 59 Resp: 245277
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

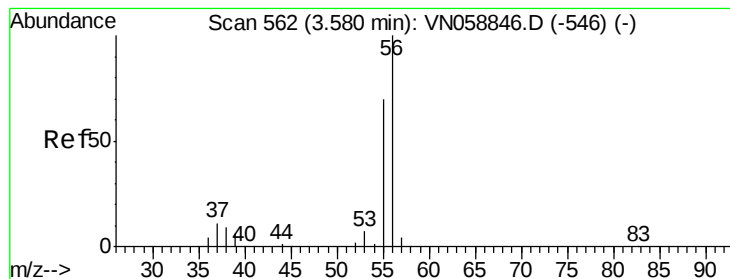


#12

1,1-Dichloroethene
Concen: 48.777 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 96 Resp: 194229
Ion Ratio Lower Upper
96 100
61 178.2 146.2 219.2
98 63.8 48.7 73.1





#13

Acrolein

Concen: 214.212 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

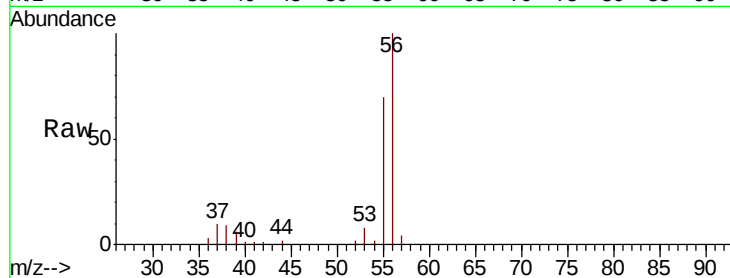
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 144698

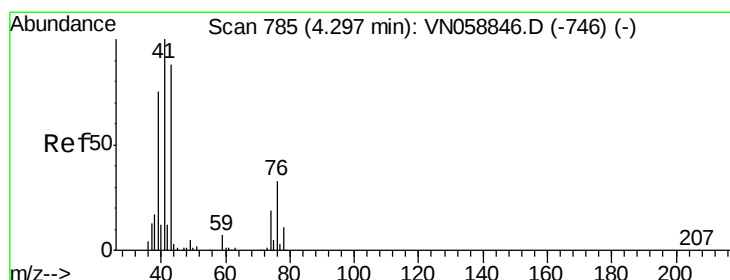
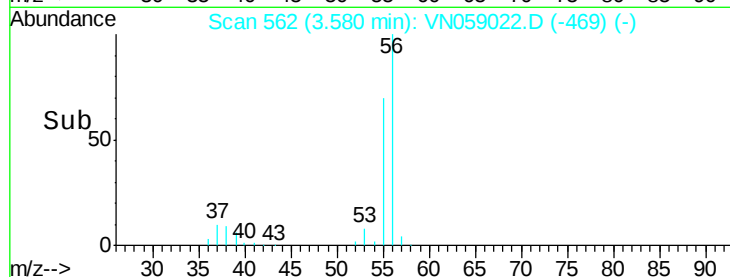
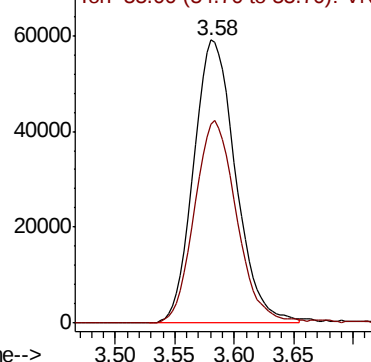
Ion Ratio Lower Upper

56 100

55 71.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.319 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

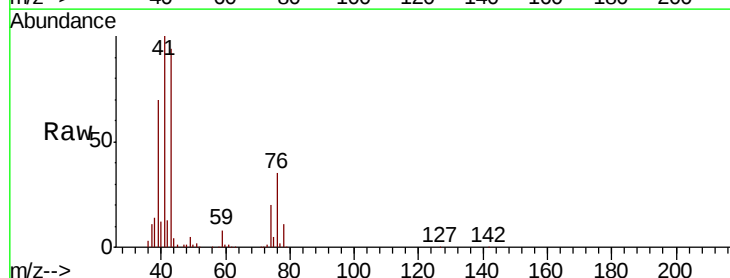
Tgt Ion: 41 Resp: 373217

Ion Ratio Lower Upper

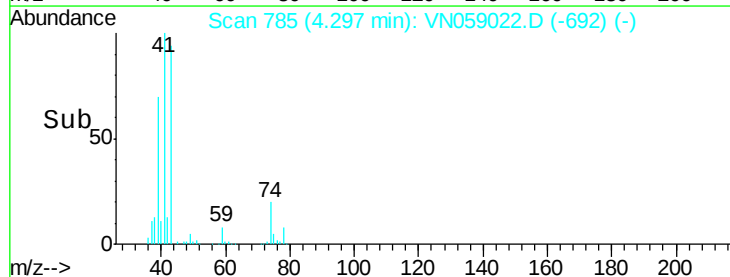
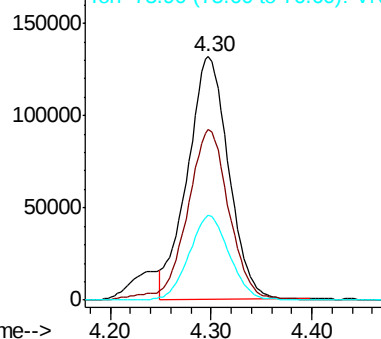
41 100

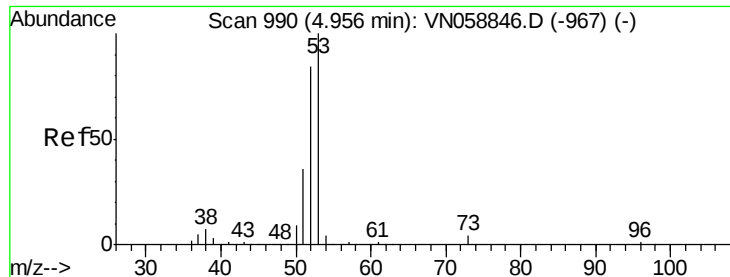
39 71.8 55.9 83.9

76 34.2 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 267.635 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

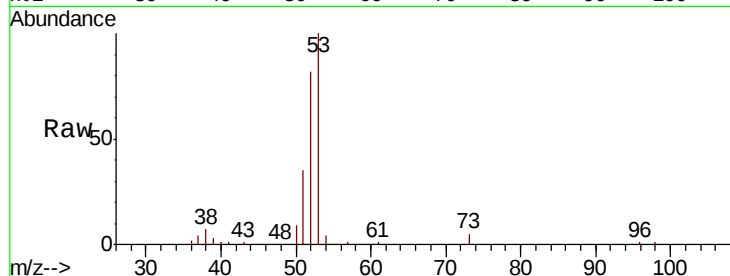
Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 661833

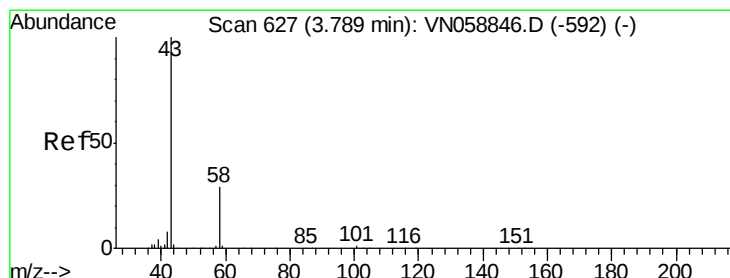
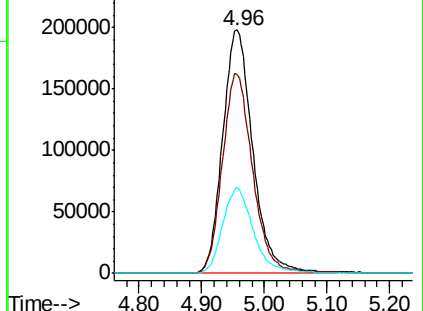
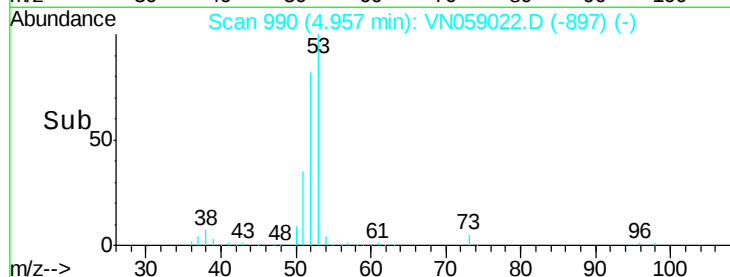
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	99.8
51	36.0	29.2	43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 255.512 ug/l

RT: 3.79 min Scan# 627

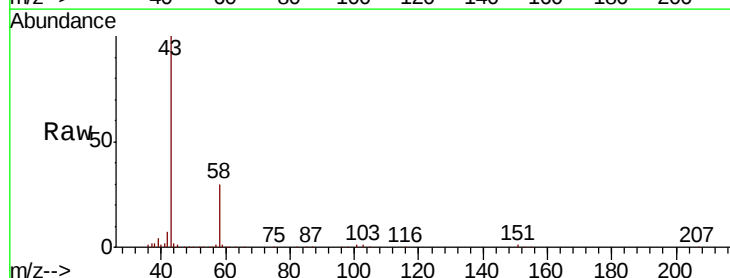
Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

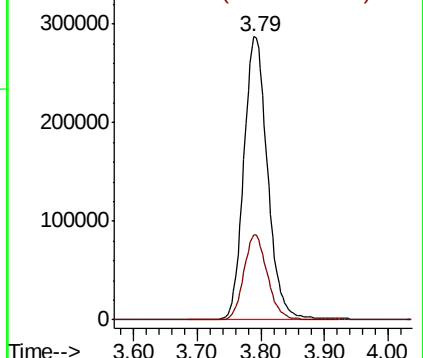
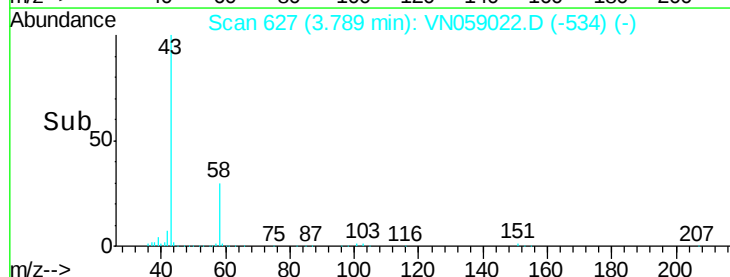
Tgt Ion: 43 Resp: 747985

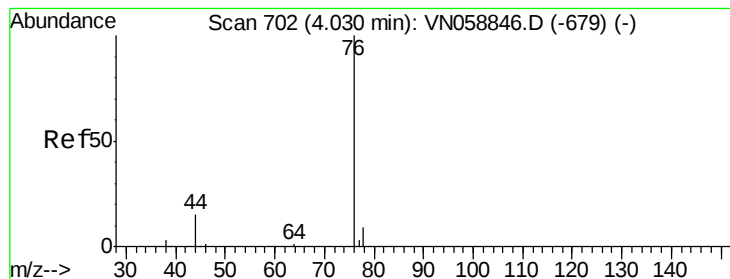
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)





#17

Carbon Disulfide

Concen: 42.644 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

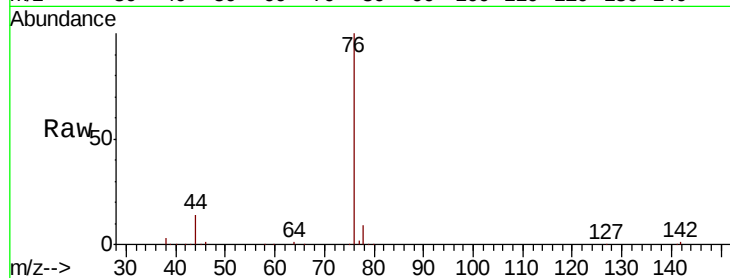
ClientSampled :

Tot Ion: 76 Resp: 546996

Ion Ratio Lower Upper

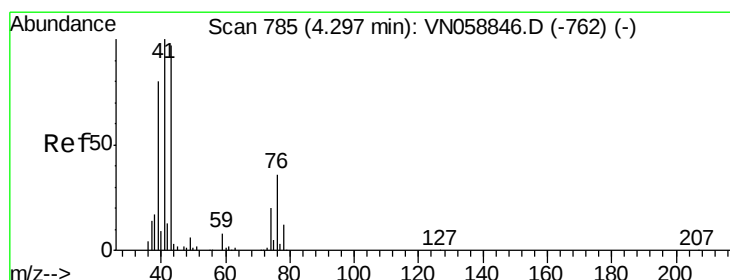
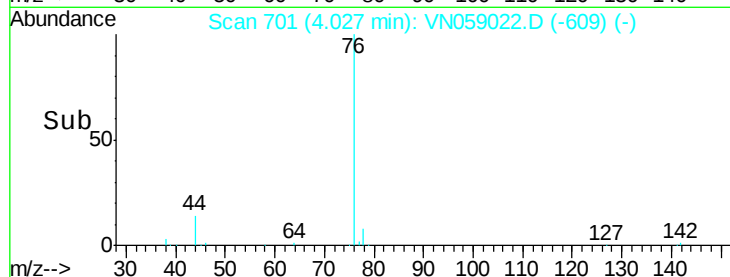
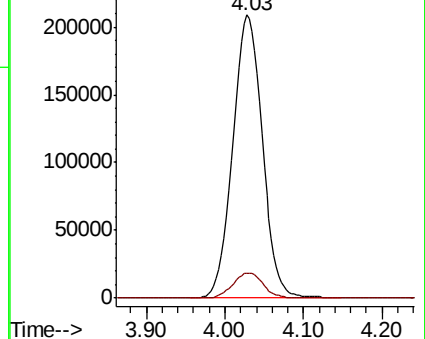
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)



#18

Methyl Acetate

Concen: 53.439 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059022.D

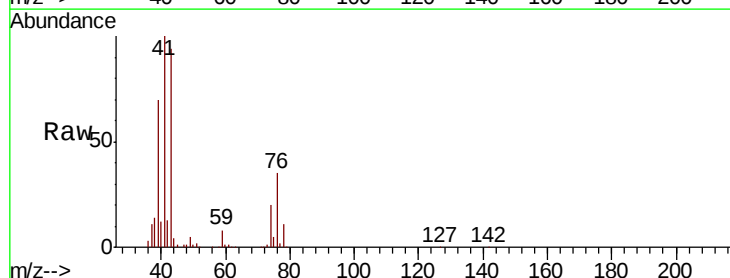
Acq: 30 Oct 2019 12:30

Tgt Ion: 43 Resp: 355662

Ion Ratio Lower Upper

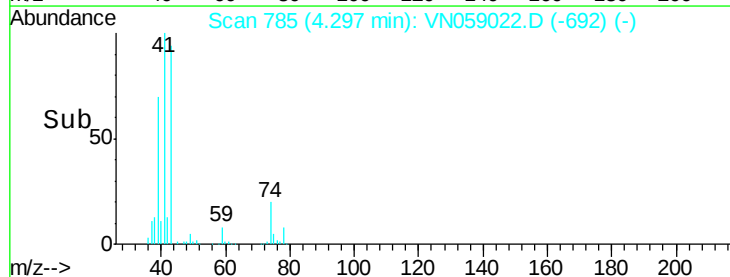
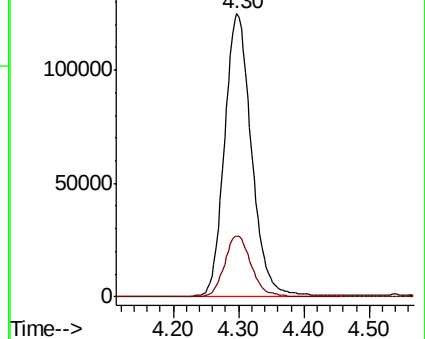
43 100

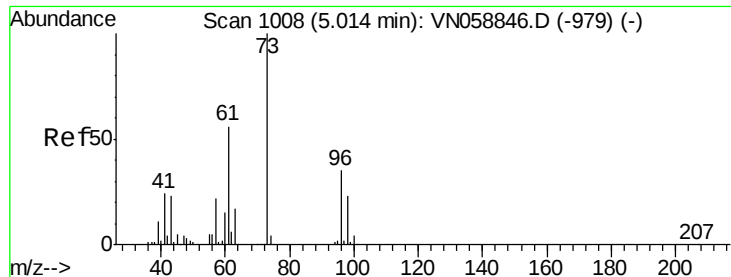
74 21.5 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)

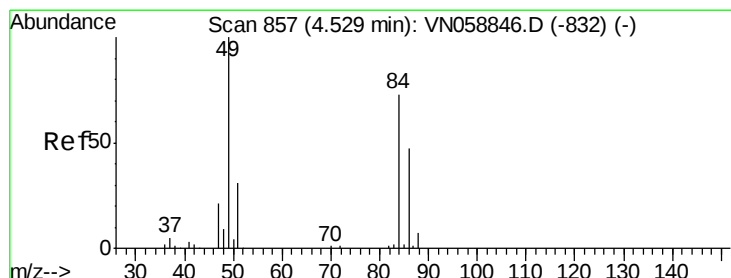
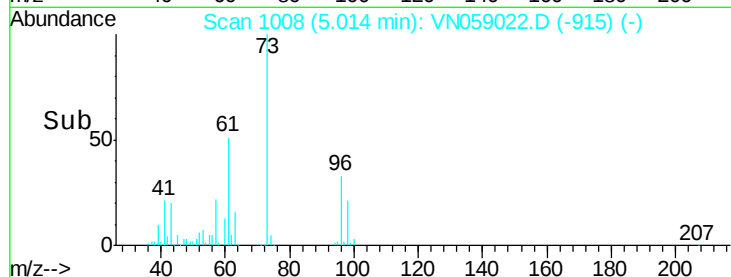
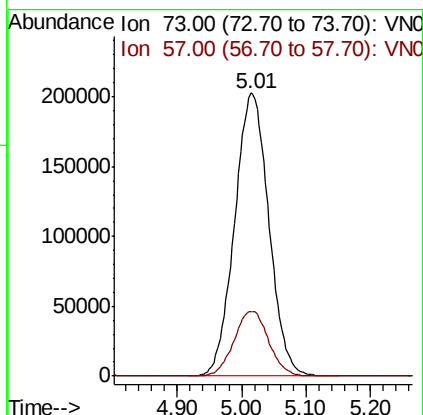
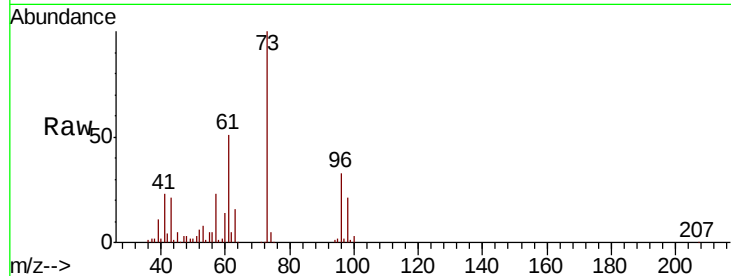




#19
Methvl tert-butvl Ether
Concen: 53.770 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

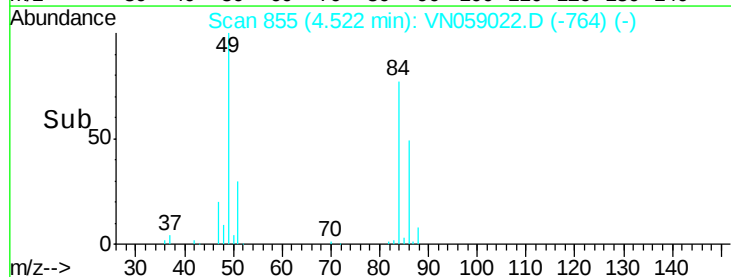
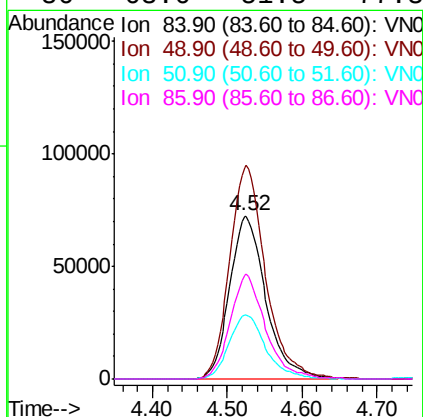
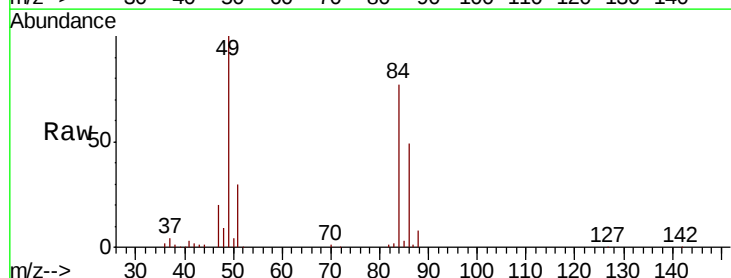
Instrument :
MSVOA_N
ClientSampleId :

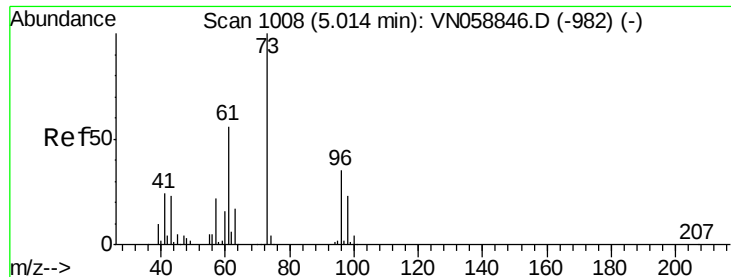
Tot Ion: 73 Resp: 749714
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 48.587 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 84 Resp: 242866
Ion Ratio Lower Upper
84 100
49 129.2 109.6 164.4
51 39.0 33.8 50.6
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.668 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

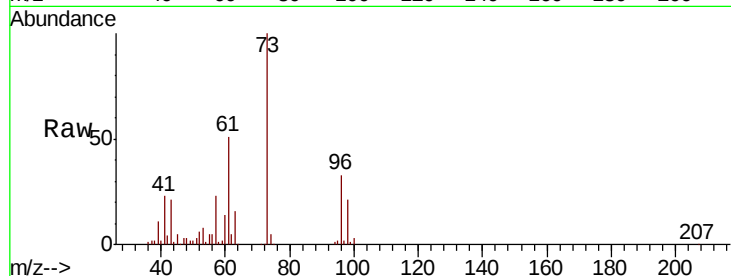
Tot Ion: 96 Resp: 214019

Ion Ratio Lower Upper

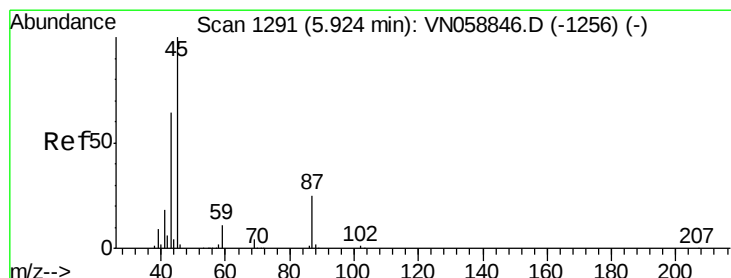
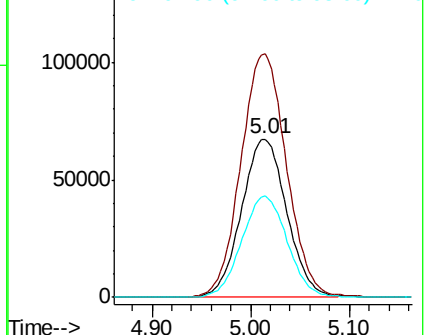
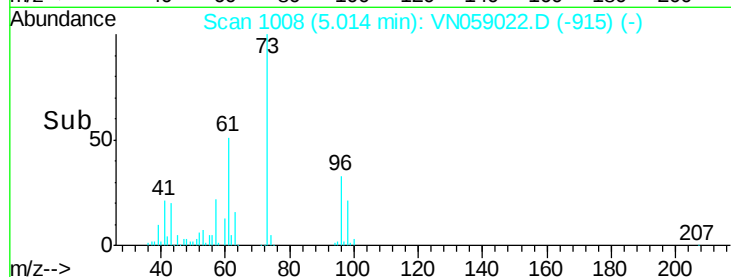
96 100

61 153.6 126.7 190.1

98 63.7 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN059022.D (-915) (-)



#22

Diisopropyl ether

Concen: 54.197 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Tgt Ion: 45 Resp: 854167

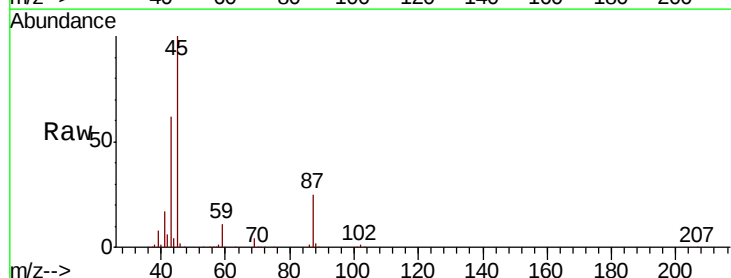
Ion Ratio Lower Upper

45 100

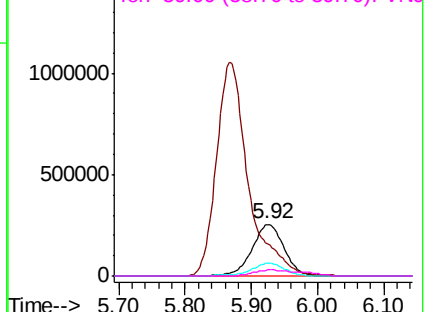
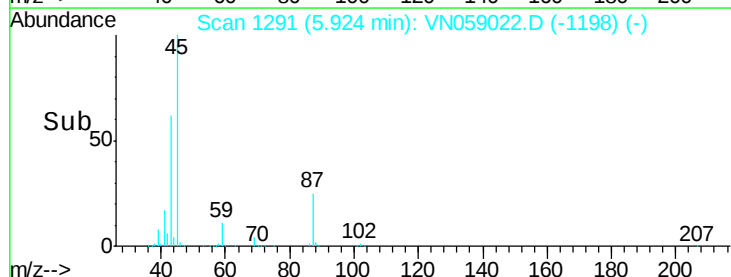
43 60.7 52.9 79.3

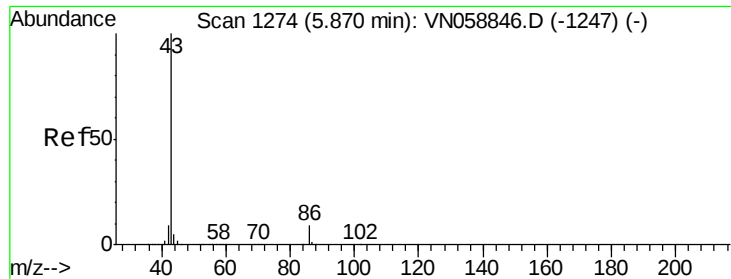
87 24.6 20.2 30.4

59 11.0 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN059022.D (-1198) (-)





#23

Vinyl Acetate

Concen: 277.297 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

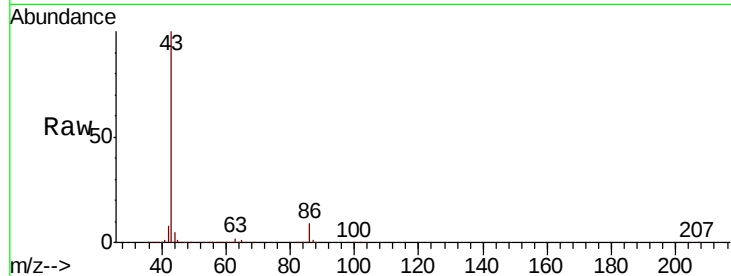
ClientSampled :

Tot Ion: 43 Resp: 3511233

Ion Ratio Lower Upper

43 100

86 9.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

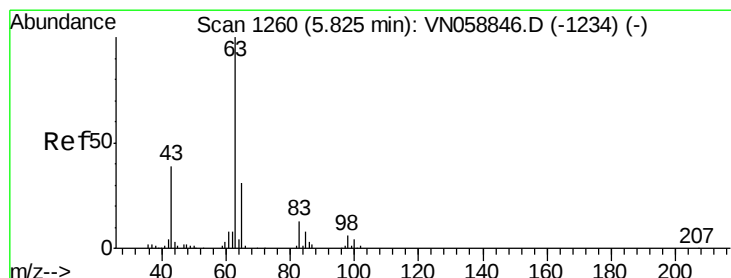
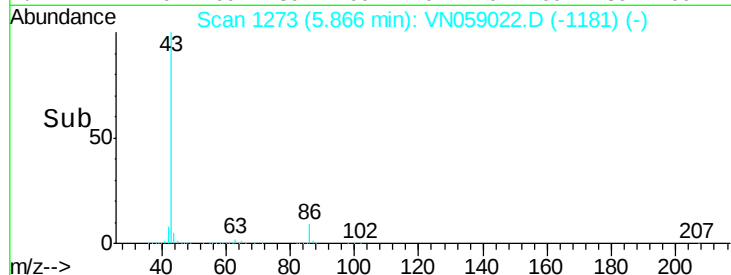
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.750 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

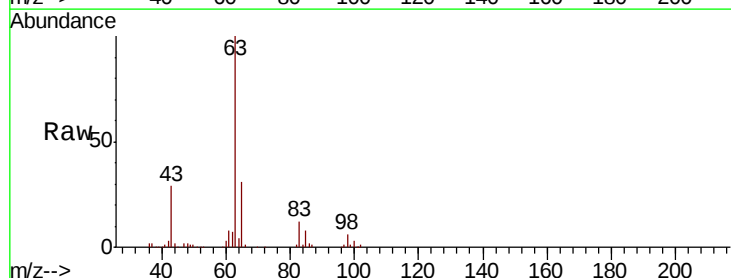
Tgt Ion: 63 Resp: 454643

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

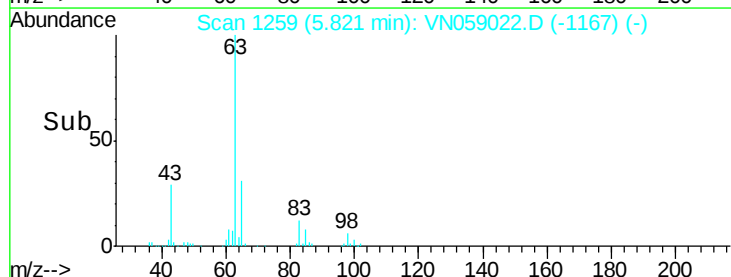
100000

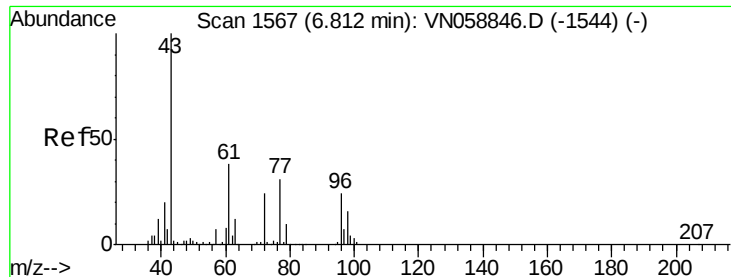
50000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 257.957 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

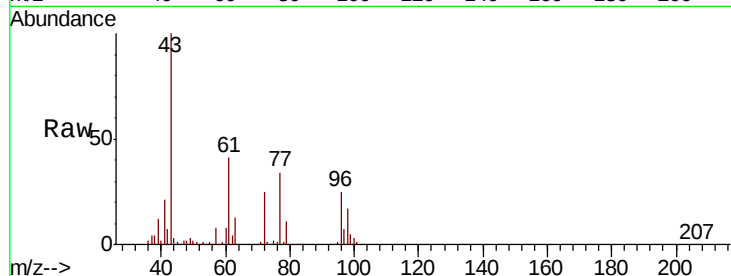
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 980252

Ion Ratio Lower Upper

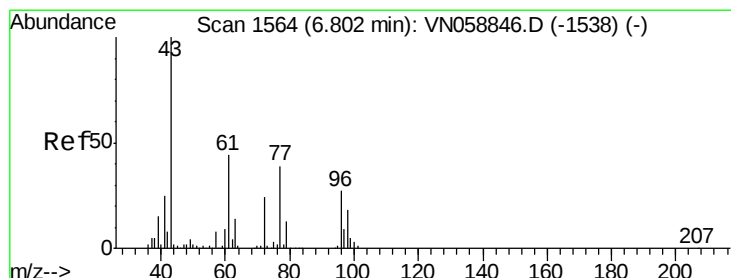
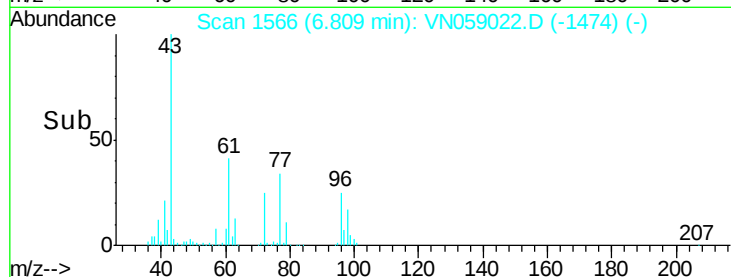
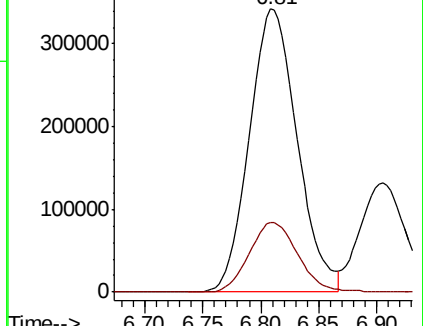
43 100

72 24.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 50.633 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059022.D

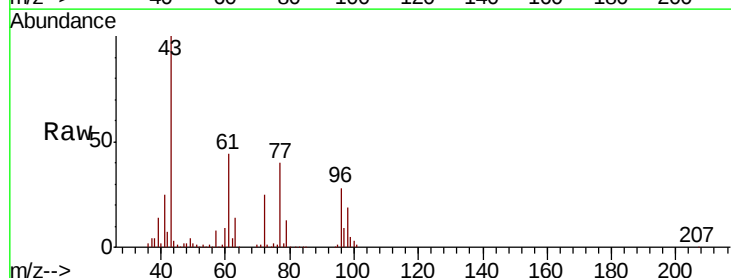
Acq: 30 Oct 2019 12:30

Tgt Ion: 77 Resp: 400239

Ion Ratio Lower Upper

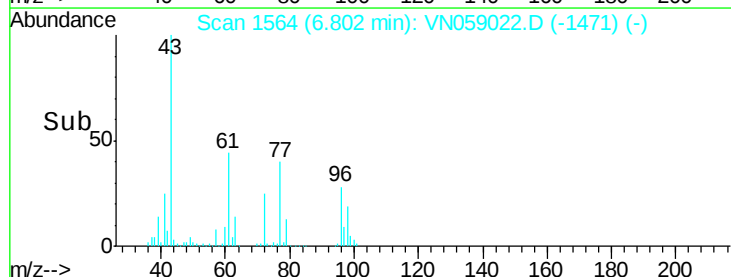
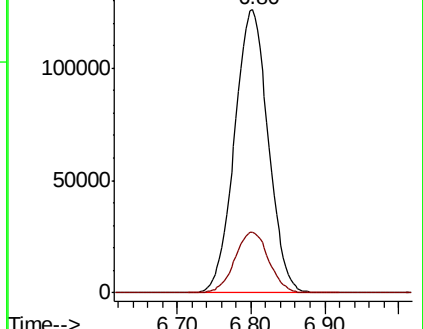
77 100

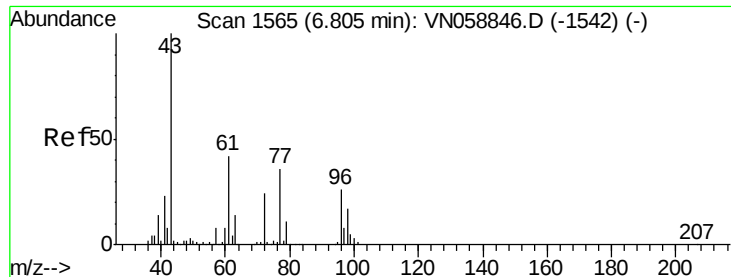
97 21.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 50.904 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampled :

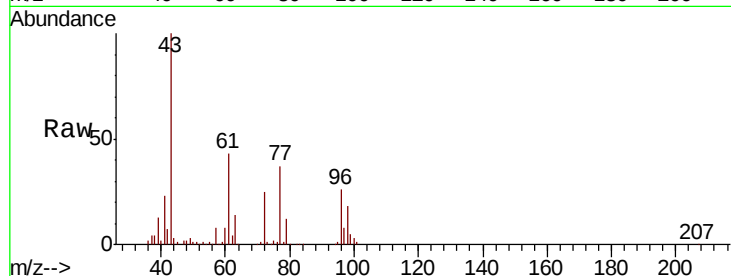
Tot Ion: 96 Resp: 255716

Ion Ratio Lower Upper

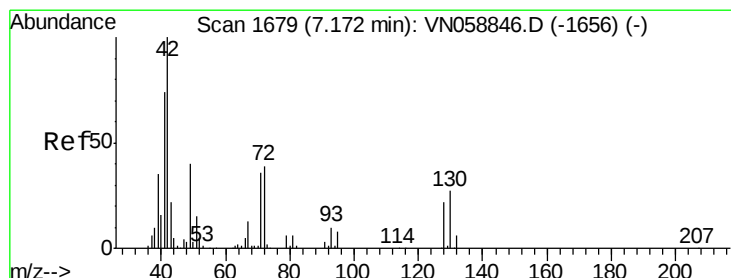
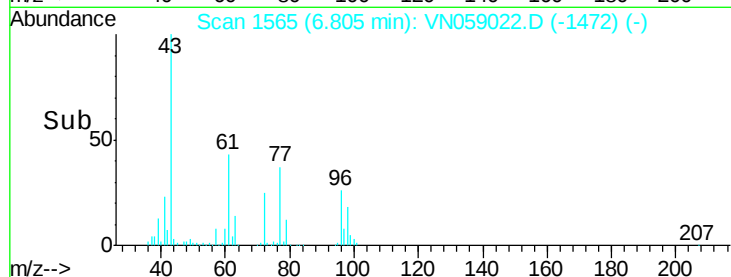
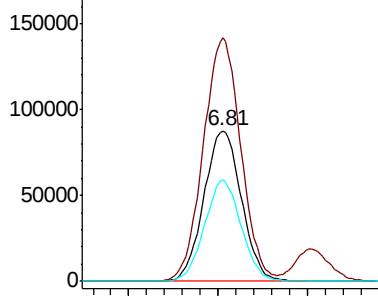
96 100

61 161.6 0.0 325.0

98 65.7 0.0 128.0



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



#28

Bromochloromethane

Concen: 50.062 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

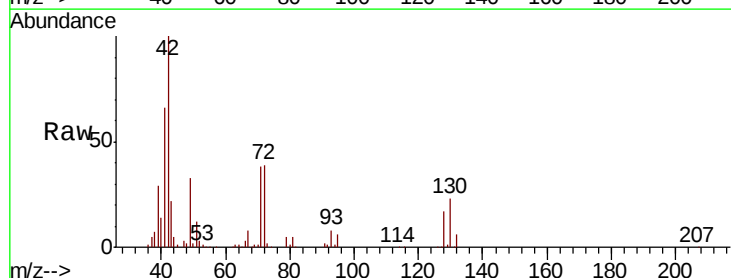
Tgt Ion: 49 Resp: 152366

Ion Ratio Lower Upper

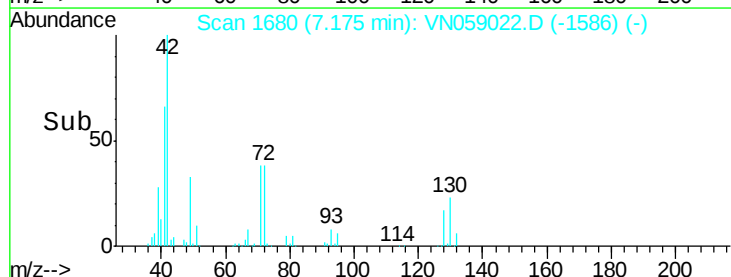
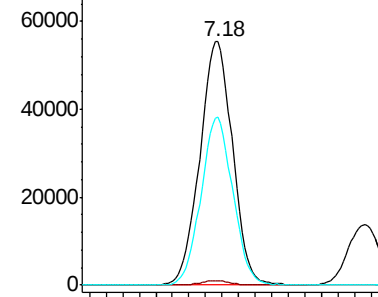
49 100

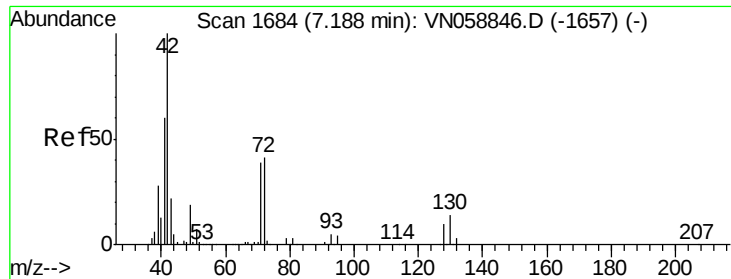
129 1.7 0.0 3.2

130 67.0 53.5 80.3



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: 262.028 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

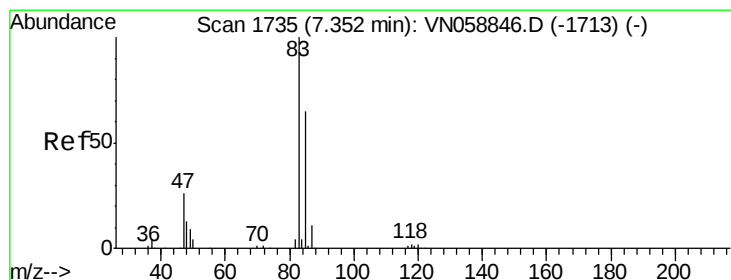
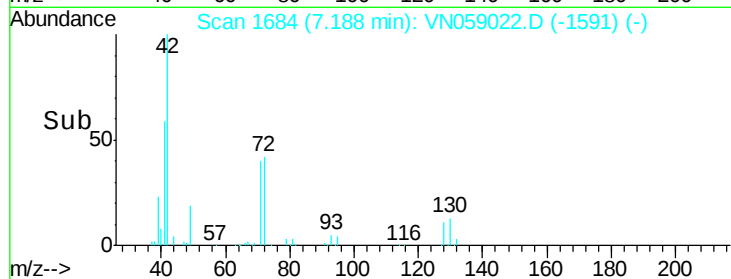
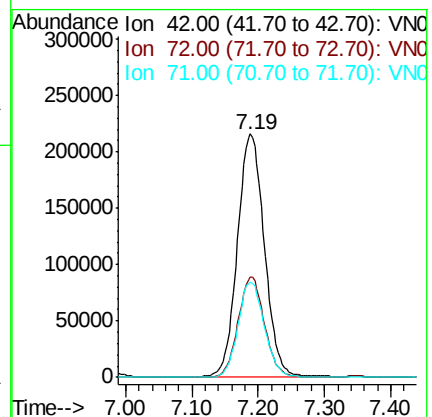
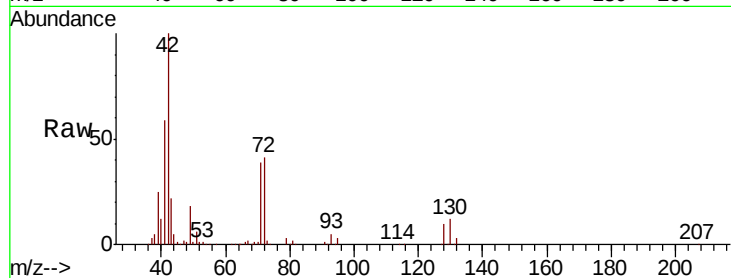
Tot Ion: 42 Resp: 609117

Ion Ratio Lower Upper

42 100

72 40.4 32.2 48.2

71 38.4 30.6 45.8



#30

Chloroform

Concen: 48.737 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059022.D

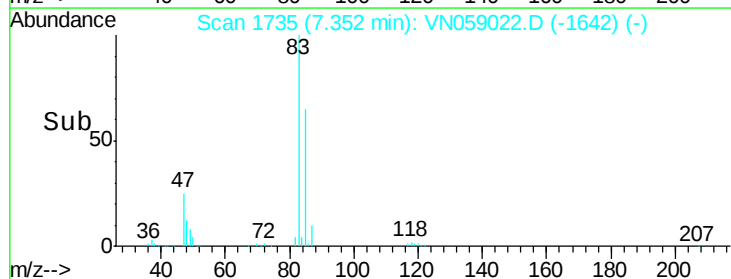
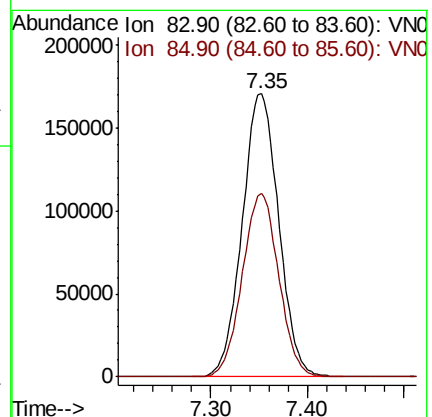
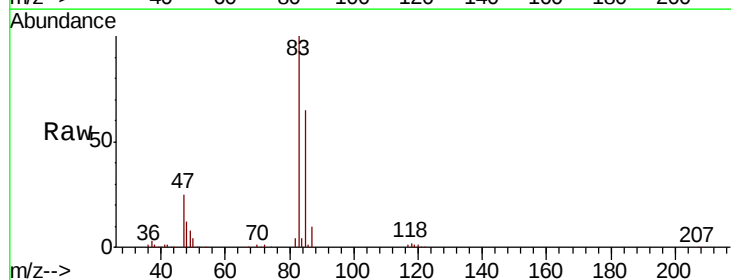
Acq: 30 Oct 2019 12:30

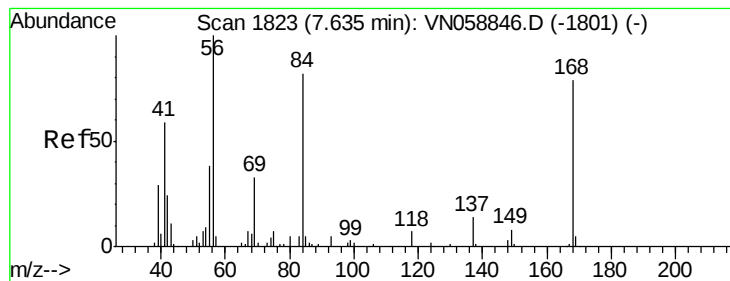
Tgt Ion: 83 Resp: 446768

Ion Ratio Lower Upper

83 100

85 65.0 51.9 77.9





#31

Cyclohexane

Concen: 45.681 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampled :

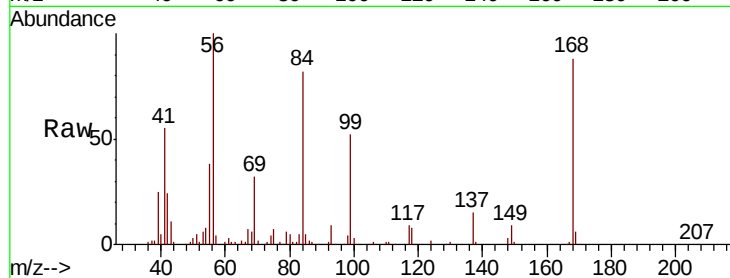
Tot Ion: 56 Resp: 388914

Ion Ratio Lower Upper

56 100

69 32.4 26.2 39.4

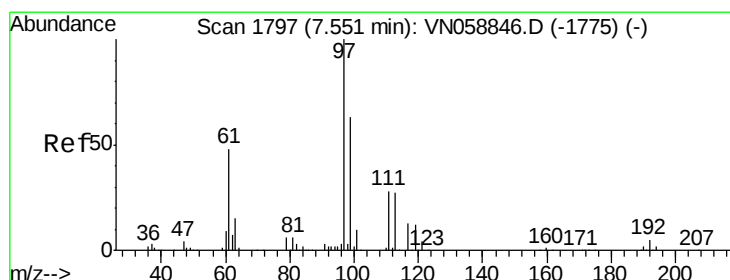
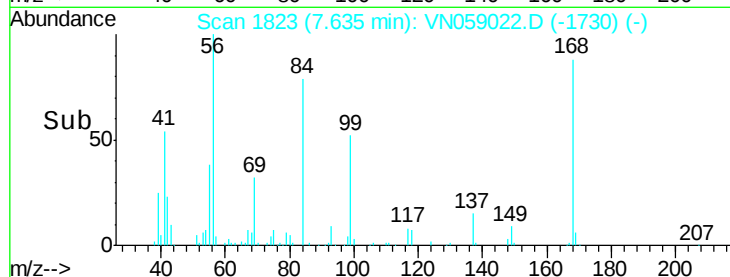
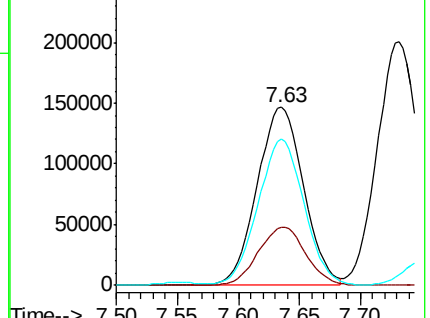
84 81.0 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN058846.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 48.928 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

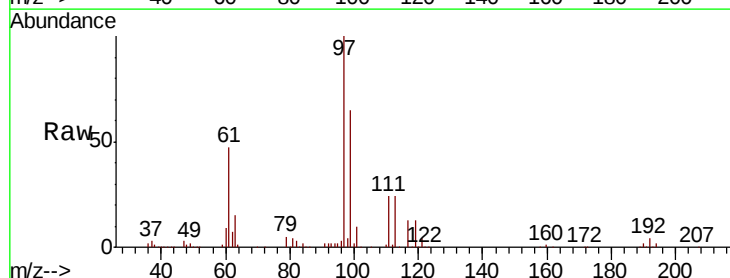
Tgt Ion: 97 Resp: 378057

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

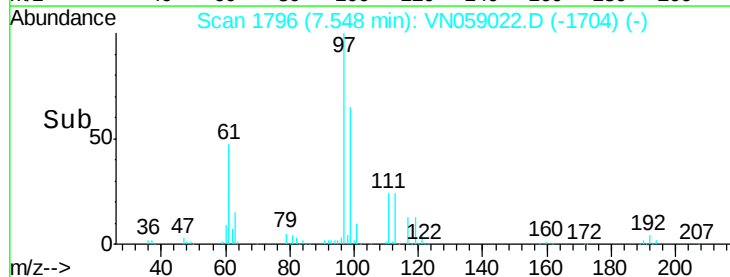
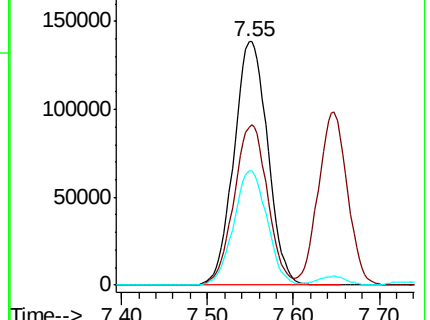
61 46.5 38.6 58.0

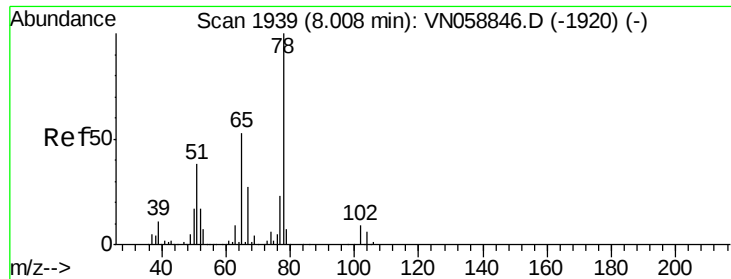


Abundance Ion 96.90 (96.60 to 97.60): VN058846.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1775) (-)

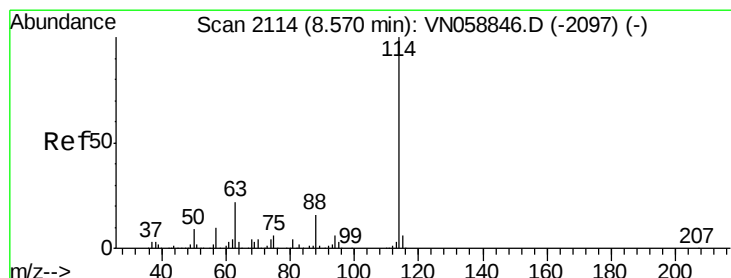
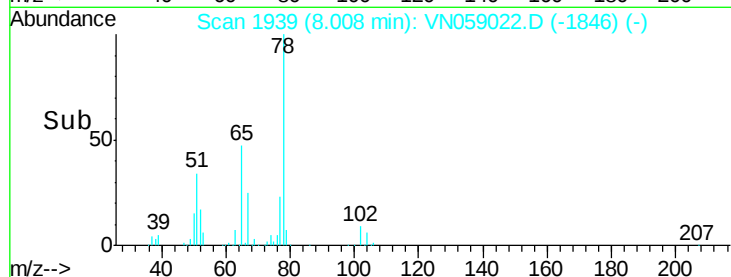
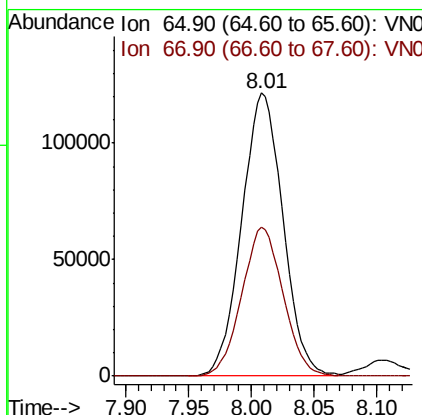
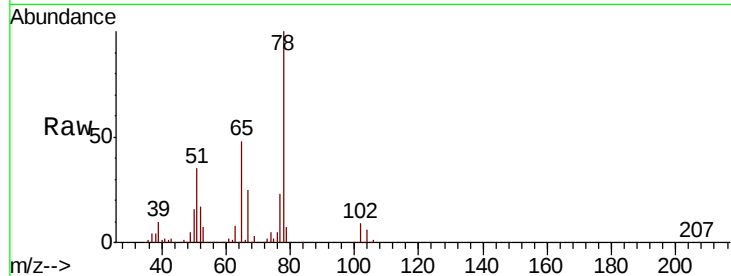




#33
 1,2-Dichloroethane-d4
 Concen: 47.042 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

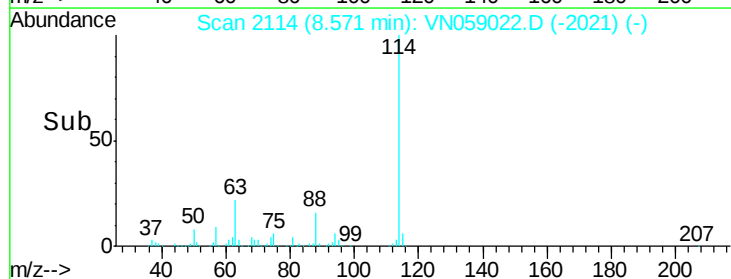
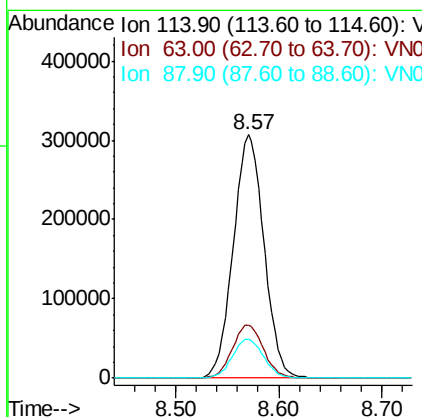
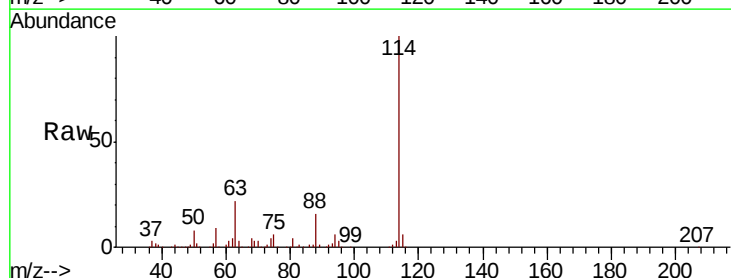
Instrument :
 MSVOA_N
 ClientSampled :

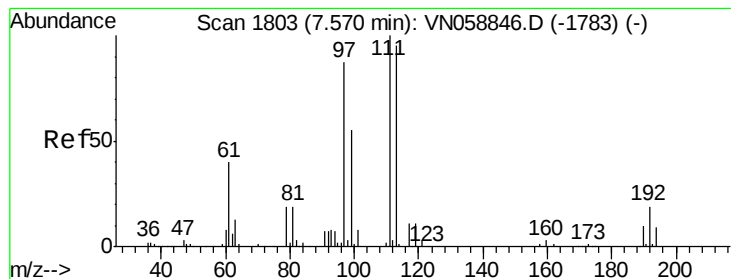
Tot Ion: 65 Resp: 278688
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

Tgt Ion: 114 Resp: 636738
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.4
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.296 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampled :

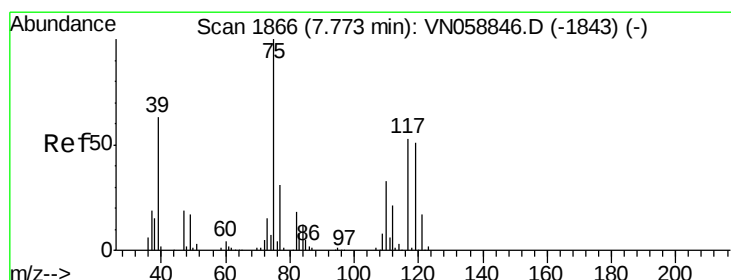
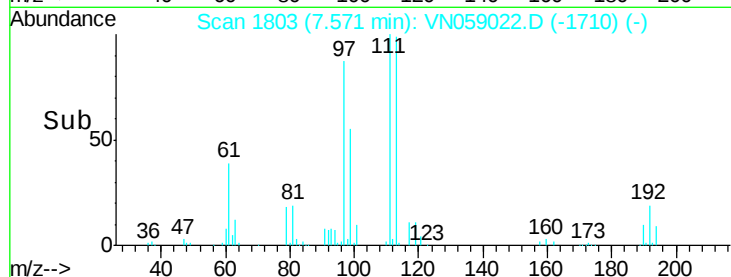
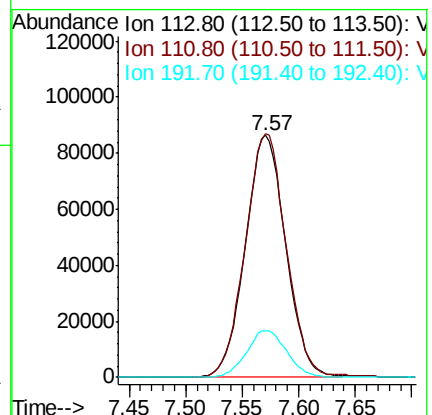
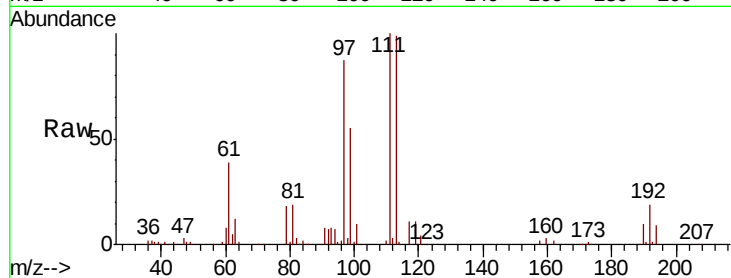
Tot Ion:113 Resp: 214745

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 19.3 15.0 22.6



#36

1,1-Dichloropropene

Concen: 51.432 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

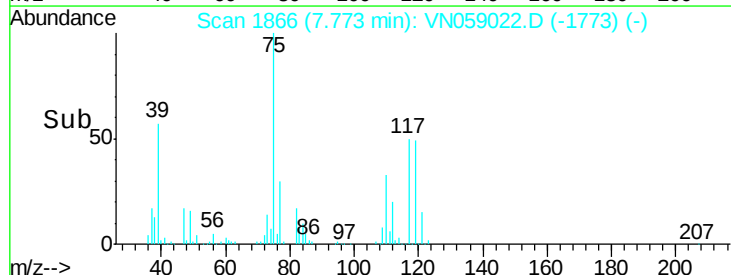
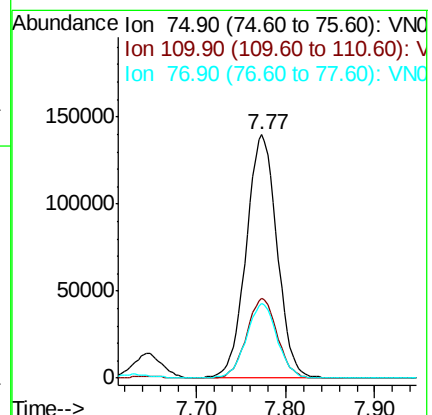
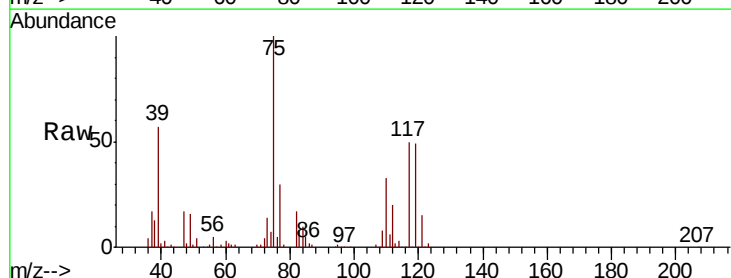
Tgt Ion: 75 Resp: 335278

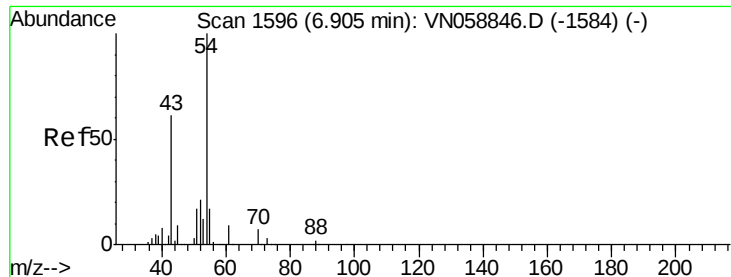
Ion Ratio Lower Upper

75 100

110 32.6 16.3 48.9

77 30.8 24.6 36.8

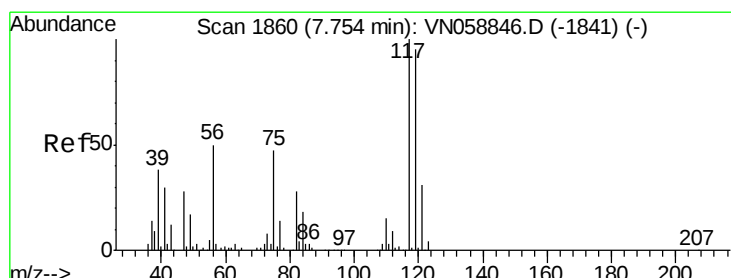
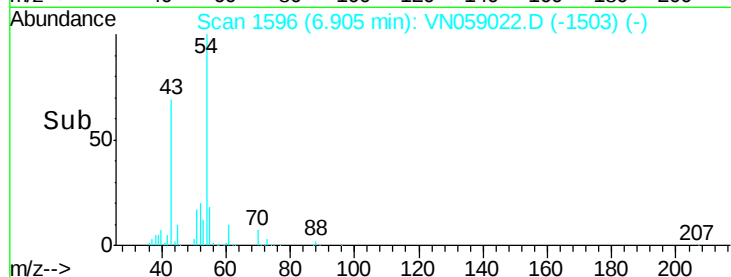
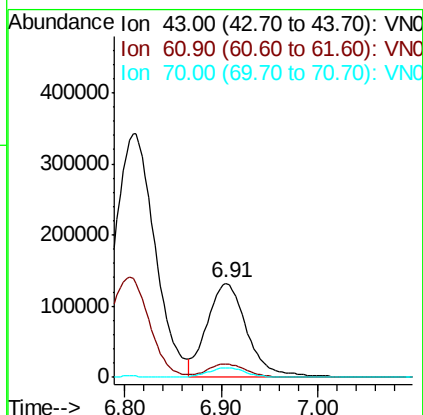
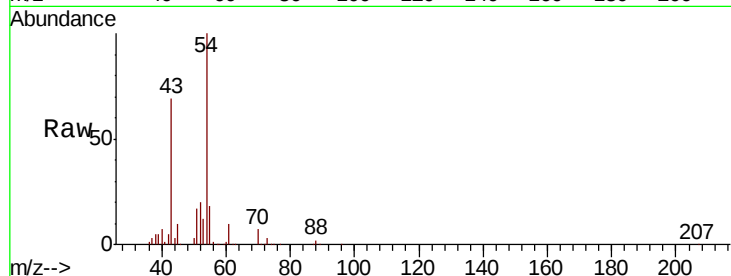




#37
Ethyl Acetate
Concen: 52.499 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

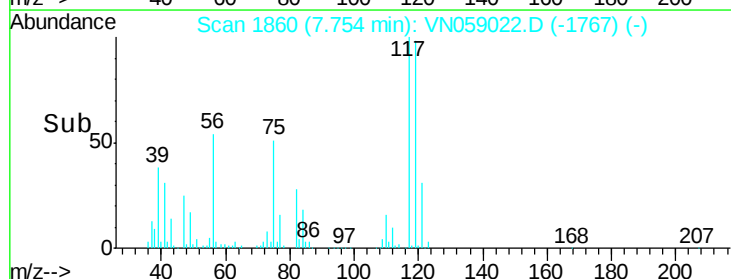
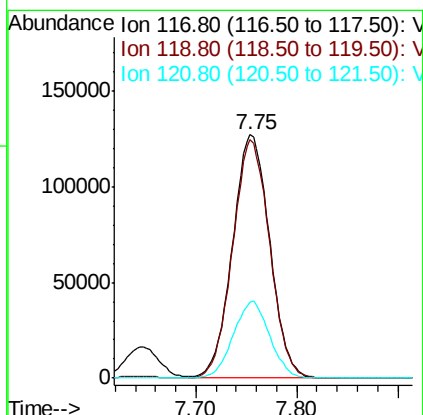
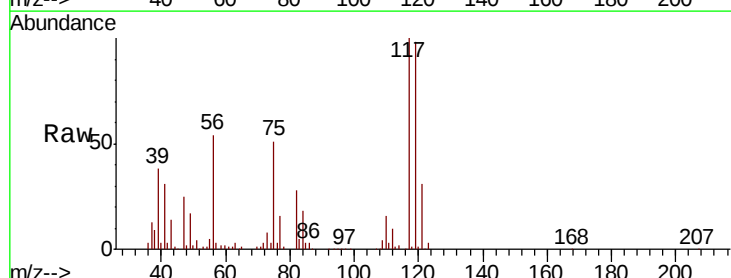
Instrument :
MSVOA_N
ClientSampleId :

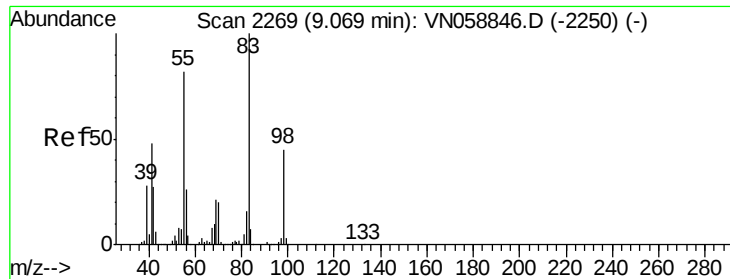
Tot Ion: 43 Resp: 372905
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.557 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 117 Resp: 326095
Ion Ratio Lower Upper
117 100
119 98.1 75.7 113.5
121 31.2 25.0 37.6

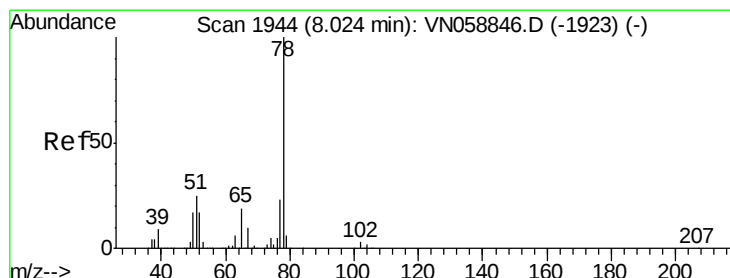
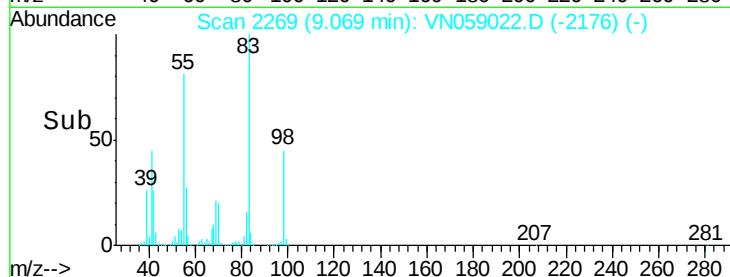
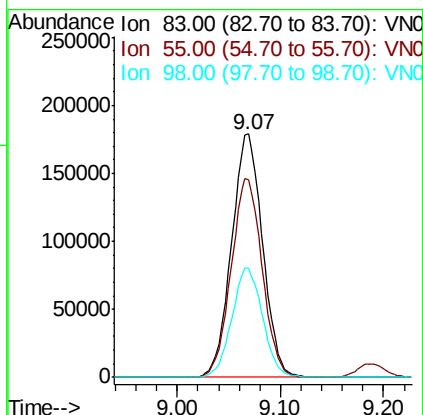
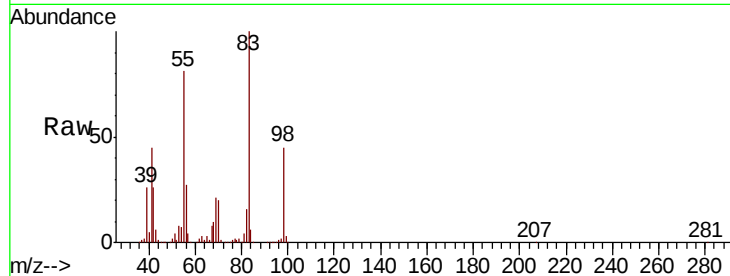




#39
Methvlcvclohexane
Concen: 51.212 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

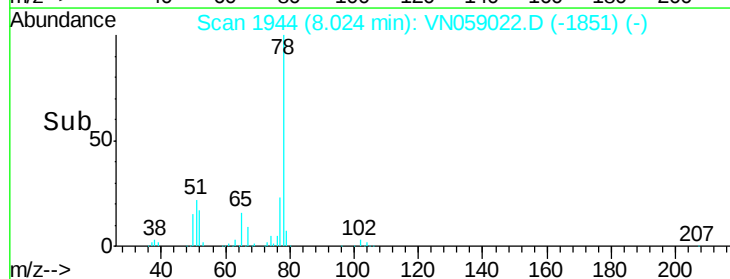
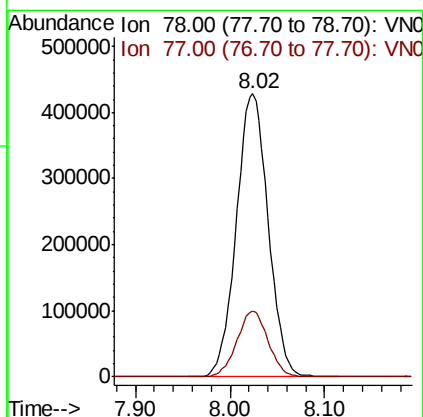
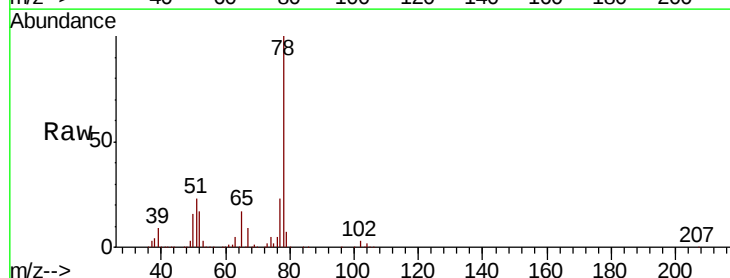
Instrument :
MSVOA_N
ClientSampleId :

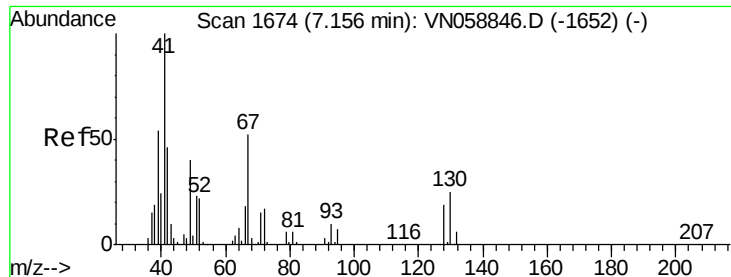
Tot Ion: 83 Resp: 374857
Ion Ratio Lower Upper
83 100
55 81.3 65.5 98.3
98 44.7 35.7 53.5



#40
Benzene
Concen: 52.294 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 78 Resp: 1001040
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

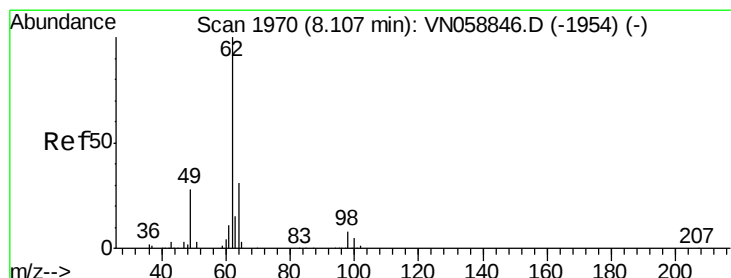
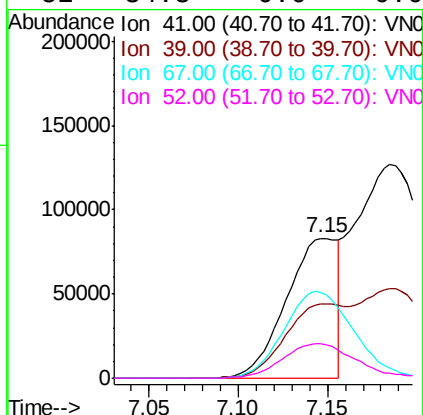
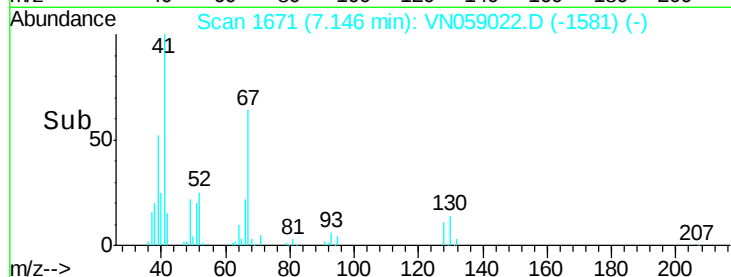
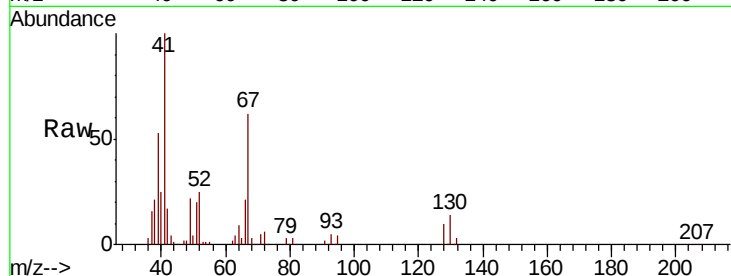




#41
Methacrylonitrile
Concen: 52.521 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

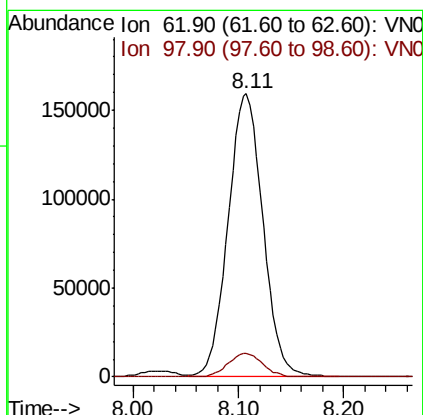
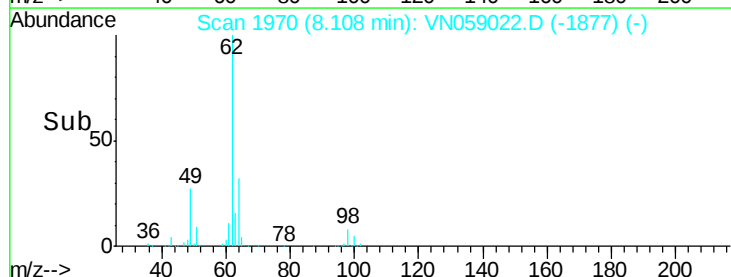
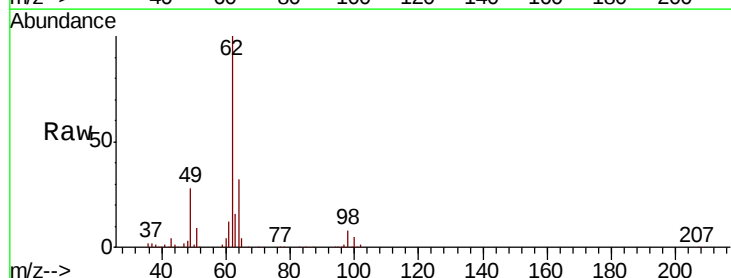
Instrument :
MSVOA_N
ClientSampleId :

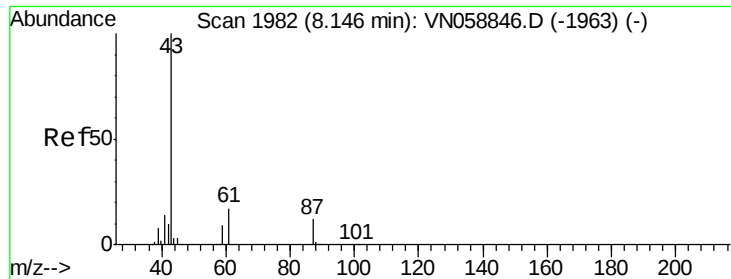
Tot Ion:	41	Resp:	166153
Ion	Ratio	Lower	Upper
41	100		
39	63.9	0.0	0.0#
67	84.7	0.0	0.0#
52	34.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.325 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion:	62	Resp:	363722
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 53.154 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :
MSVOA_N
ClientSampleId :

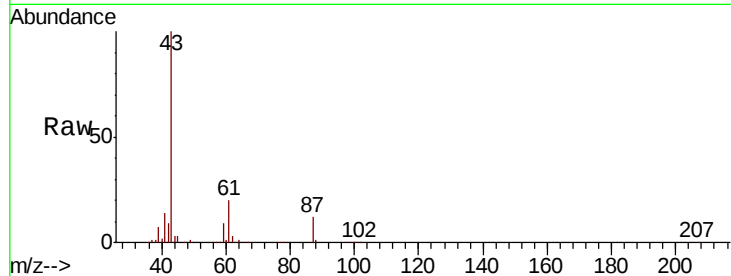
Tot Ion: 43 Resp: 605516

Ion Ratio Lower Upper

43 100

61 25.4 20.2 30.2

87 12.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

8.15

300000

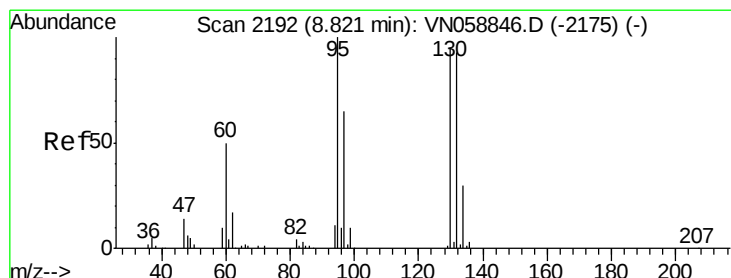
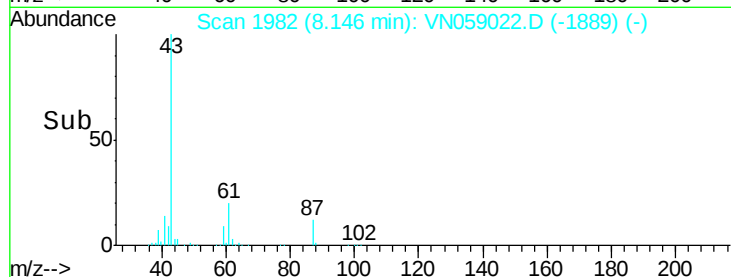
200000

100000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 51.138 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059022.D

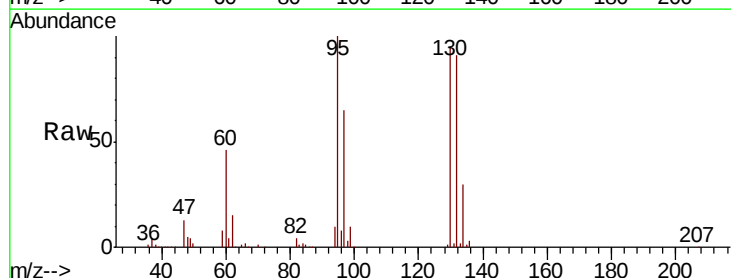
Acq: 30 Oct 2019 12:30

Tgt Ion:130 Resp: 238458

Ion Ratio Lower Upper

130 100

95 105.2 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

8.82

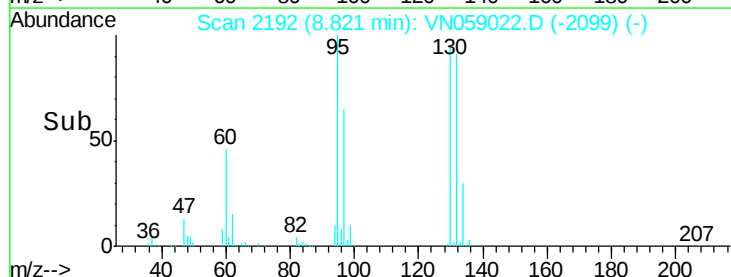
100000

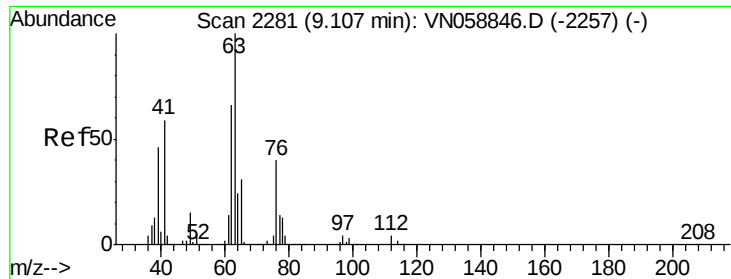
50000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 53.041 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

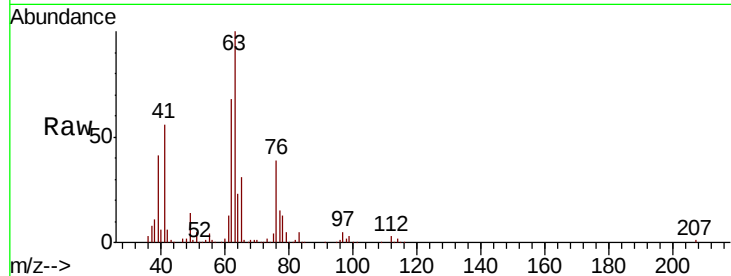
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 278422

Ion Ratio Lower Upper

63 100

65 30.8 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

9.10

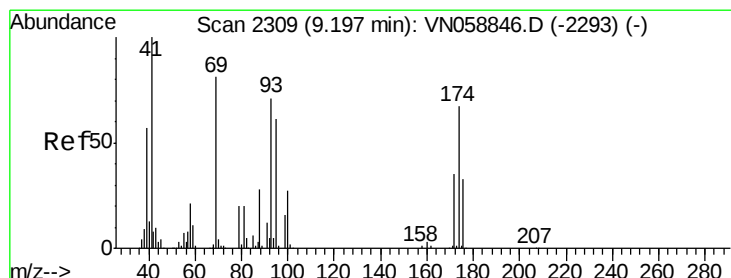
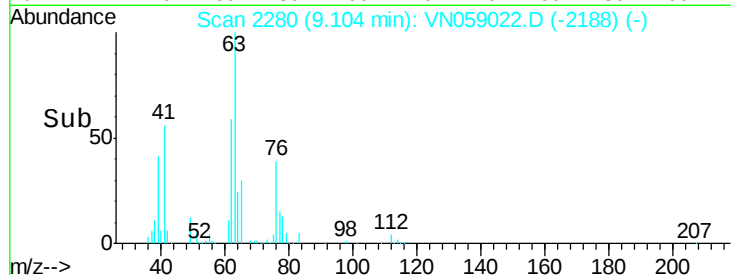
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.828 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

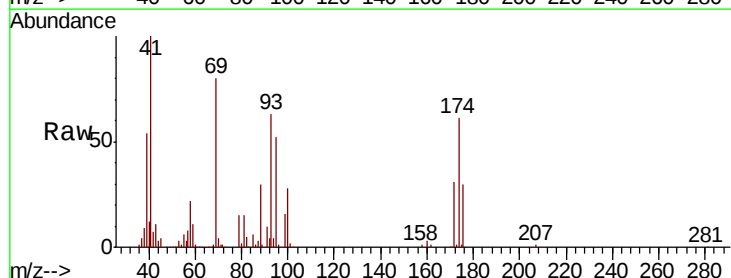
Tgt Ion: 93 Resp: 168667

Ion Ratio Lower Upper

93 100

95 82.7 67.6 101.4

174 96.4 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN058846.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058846.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058846.D (-2293) (-)

9.19

100000

80000

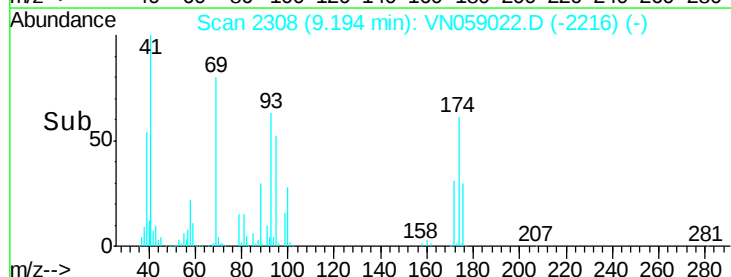
60000

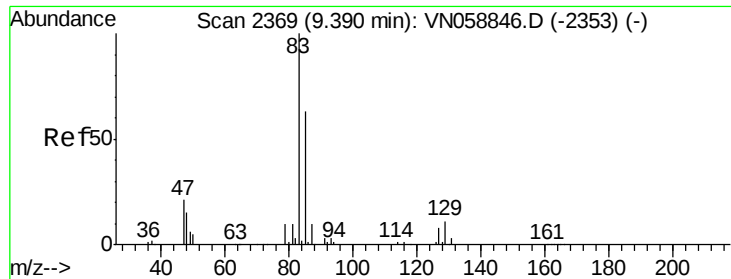
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.079 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

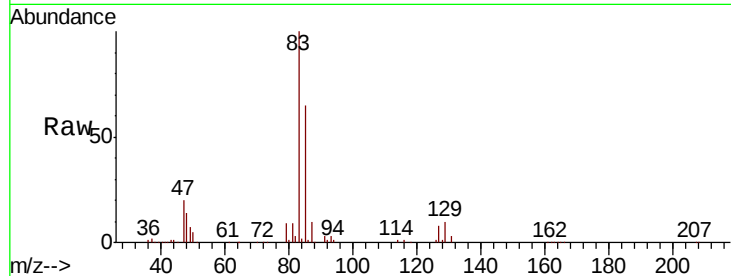
Tot Ion: 83 Resp: 356191

Ion Ratio Lower Upper

83 100

85 64.5 50.6 75.8

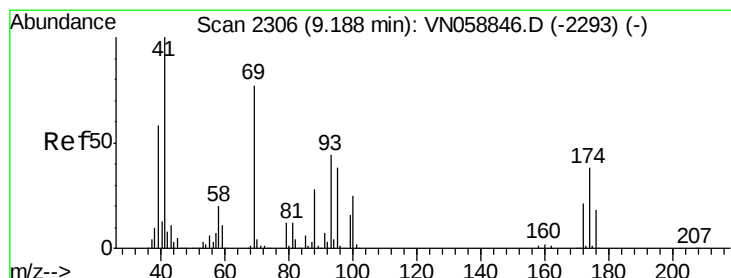
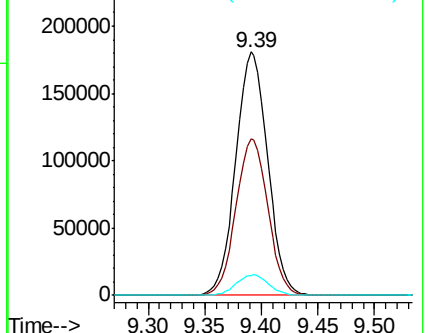
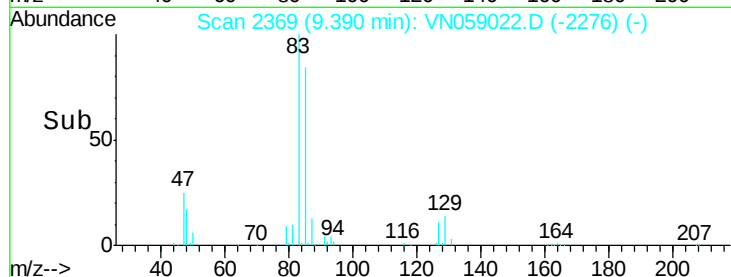
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059022.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059022.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059022.D (-2276) (-)



#48

Methyl methacrylate

Concen: 54.071 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

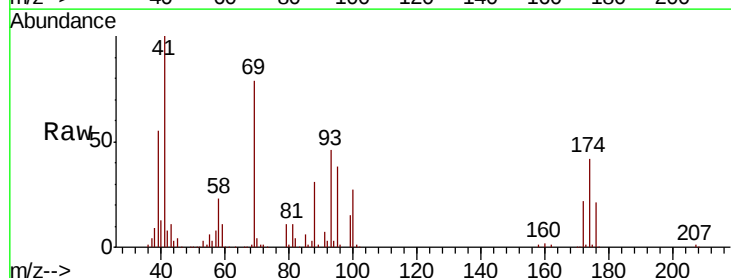
Tgt Ion: 41 Resp: 279465

Ion Ratio Lower Upper

41 100

69 81.7 63.8 95.6

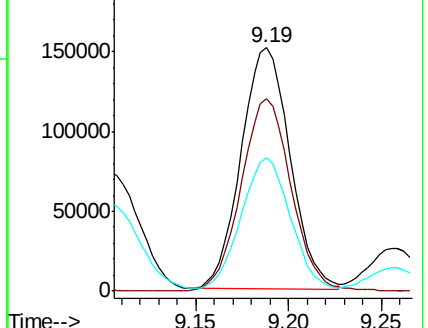
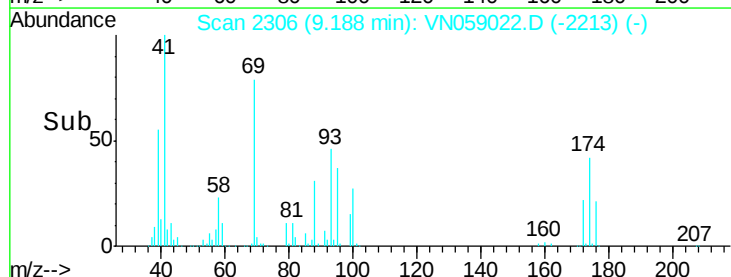
39 55.8 47.8 71.8

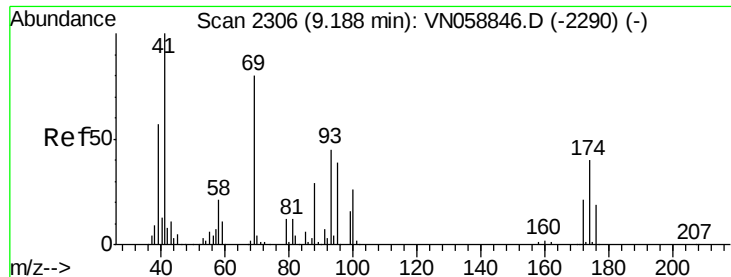


Abundance Ion 41.00 (40.70 to 41.70): VN059022.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059022.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059022.D (-2213) (-)

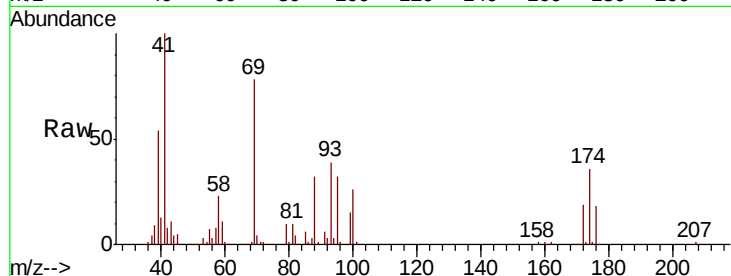




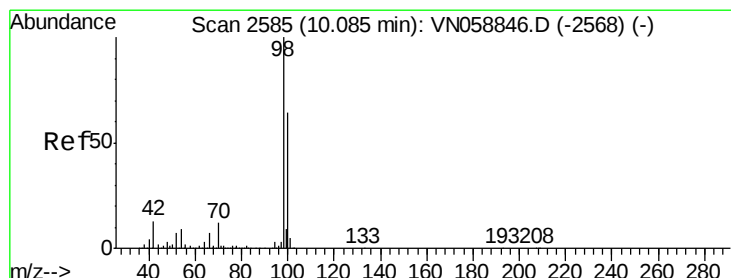
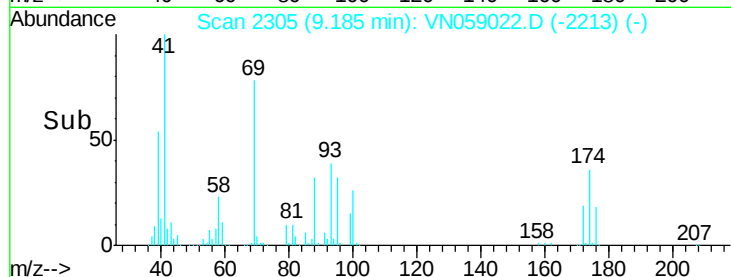
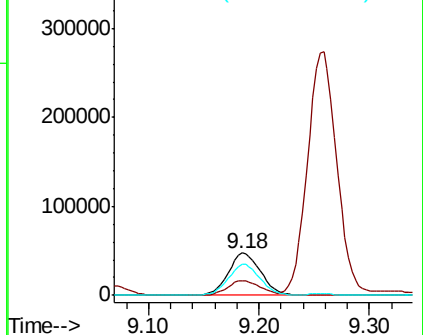
#49
 1,4-Dioxane
 Concen: 1145.085 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 97154
 Ion Ratio Lower Upper
 88 100
 43 33.7 29.1 43.7
 58 71.9 59.4 89.0

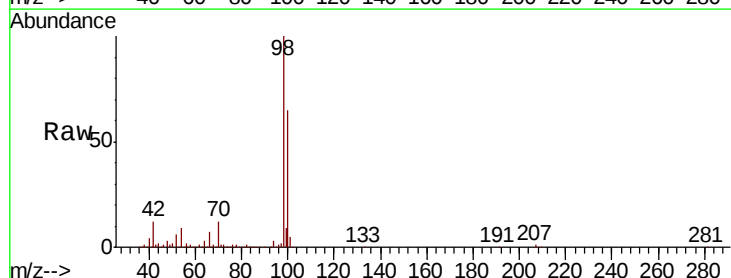


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

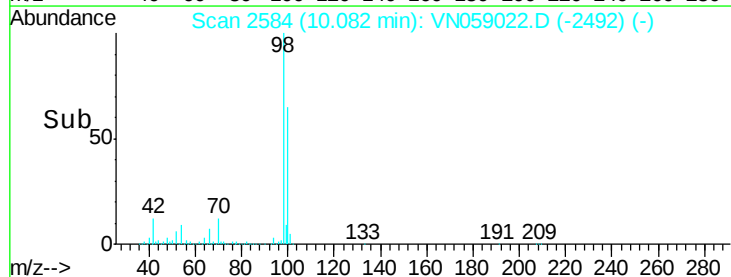
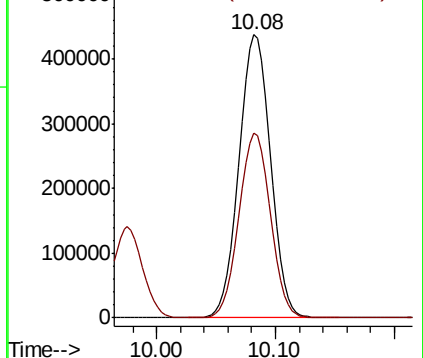


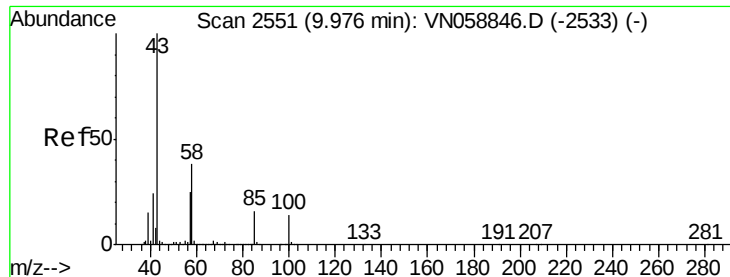
#50
 Toluene-d8
 Concen: 49.631 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

Tgt Ion: 98 Resp: 806559
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 285.649 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

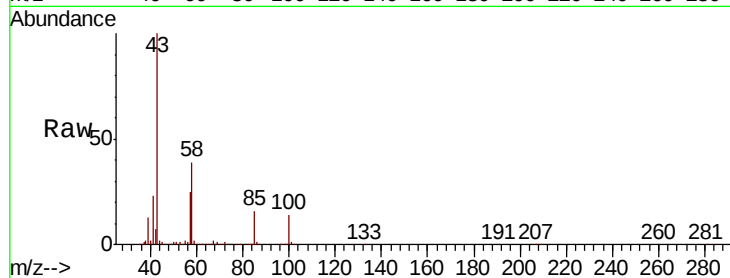
ClientSampled :

Tot Ion: 43 Resp: 1900668

Ion Ratio Lower Upper

43 100

58 38.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

1200000

1000000

800000

600000

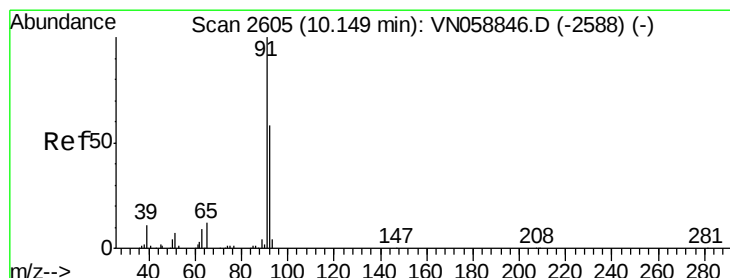
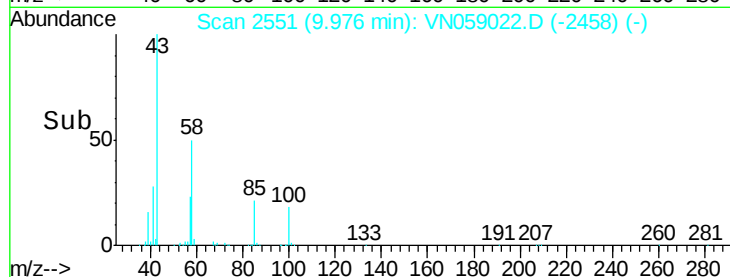
400000

200000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 53.637 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059022.D

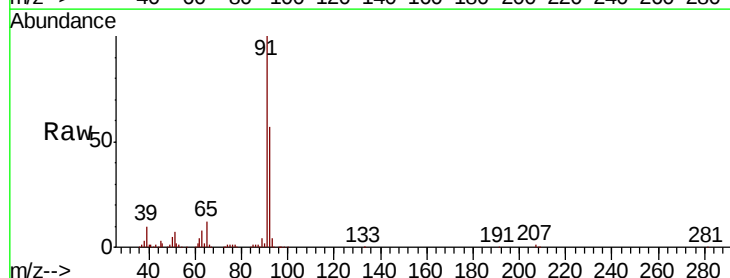
Acq: 30 Oct 2019 12:30

Tgt Ion: 92 Resp: 608881

Ion Ratio Lower Upper

92 100

91 174.8 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

600000

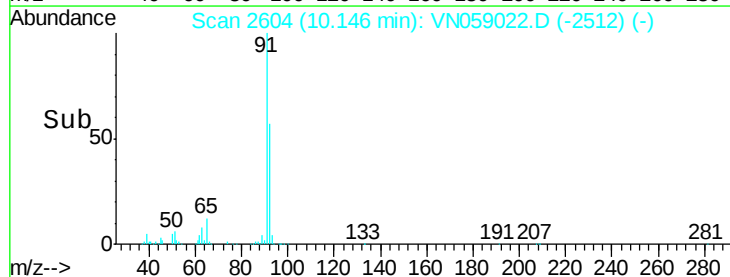
400000

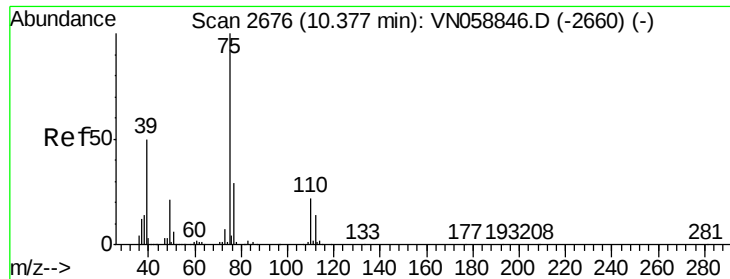
200000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.937 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

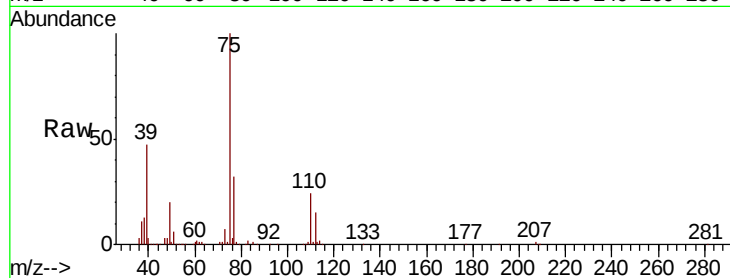
ClientSampled :

Tot Ion: 75 Resp: 408380

Ion Ratio Lower Upper

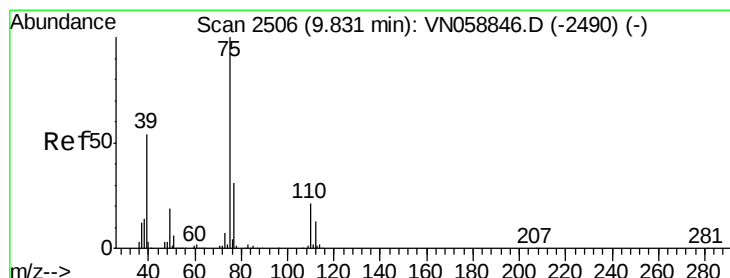
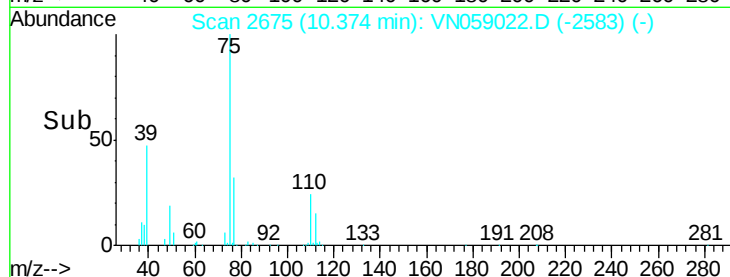
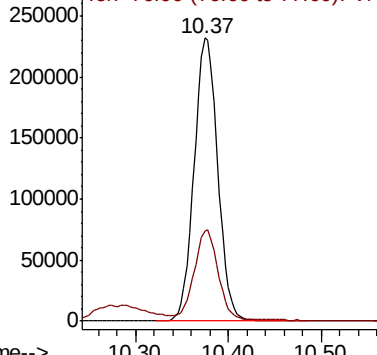
75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.138 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

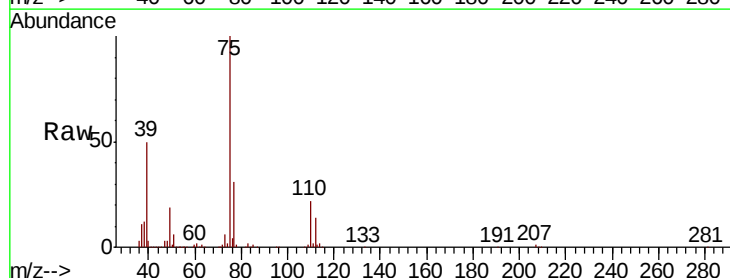
Tgt Ion: 75 Resp: 437923

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

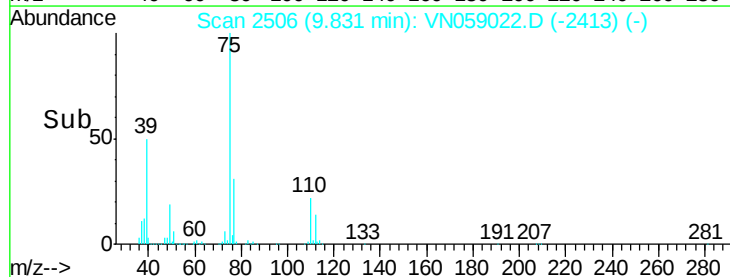
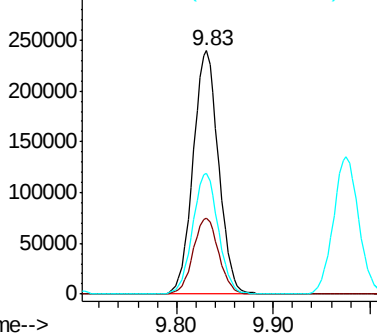
39 49.6 43.5 65.3

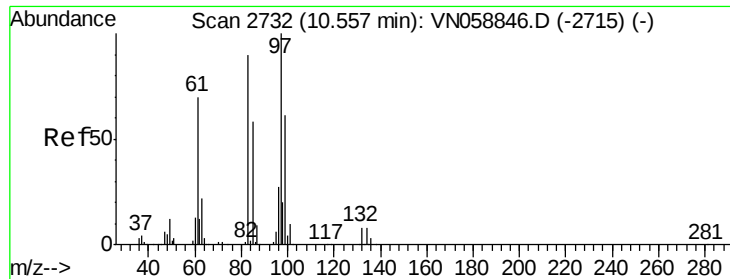


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.692 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 246408

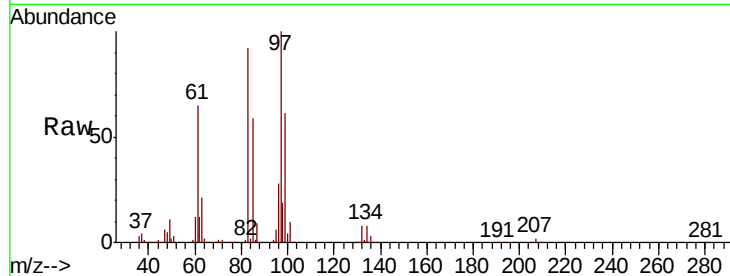
Ion Ratio Lower Upper

97 100

83 91.8 72.2 108.4

85 59.6 46.2 69.2

99 61.3 48.7 73.1

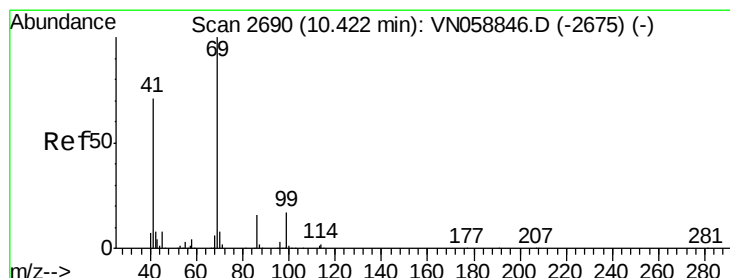
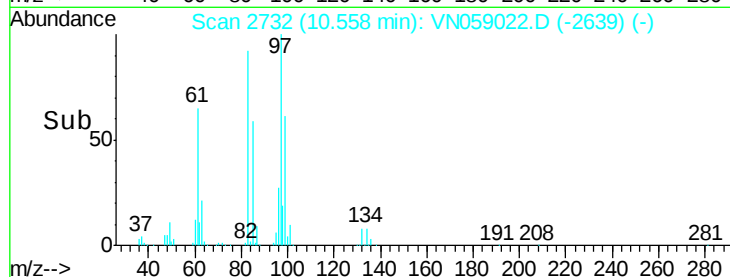
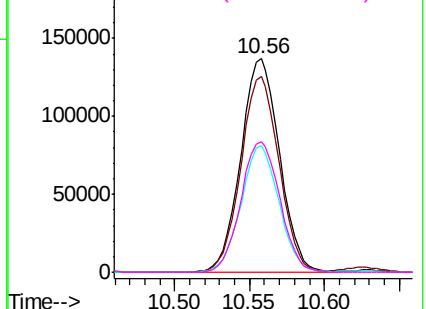


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.566 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

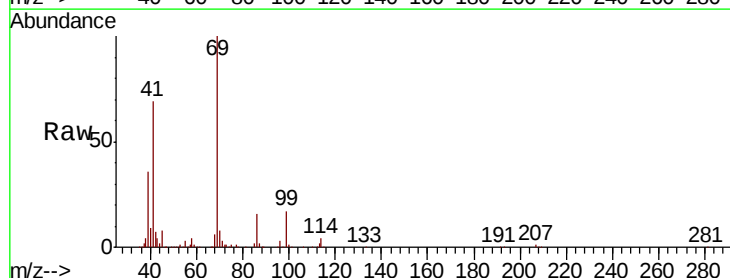
Tgt Ion: 69 Resp: 397404

Ion Ratio Lower Upper

69 100

41 68.7 57.2 85.8

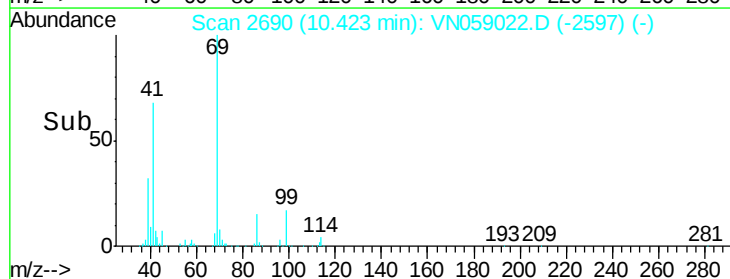
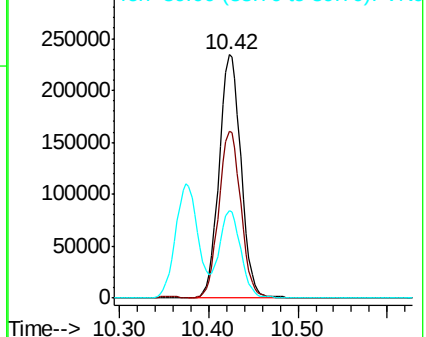
39 35.7 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

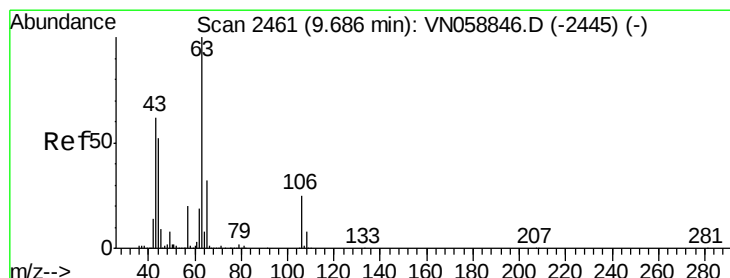
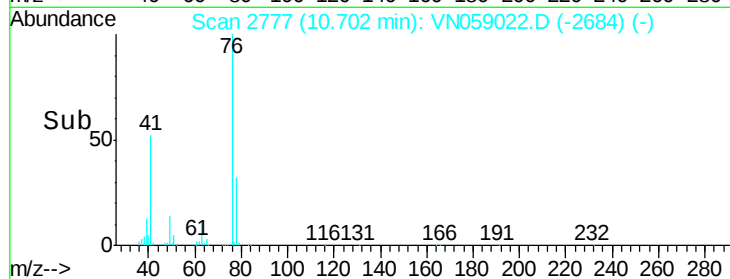
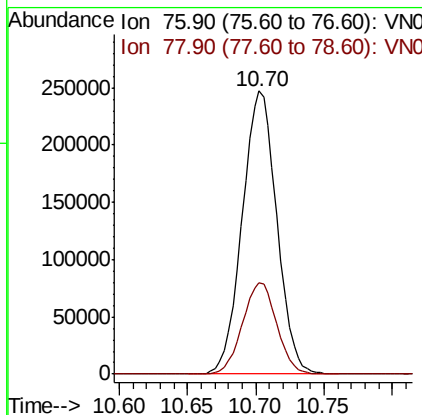
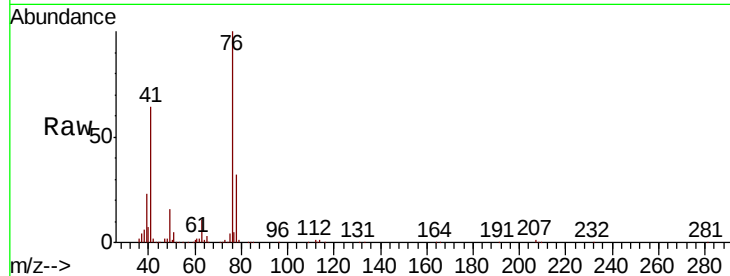




#57
 1,3-Dichloropropane
 Concen: 52.994 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

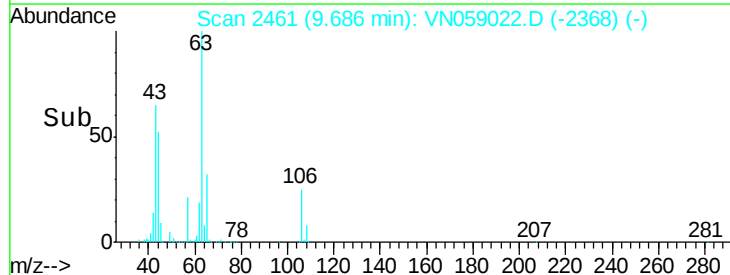
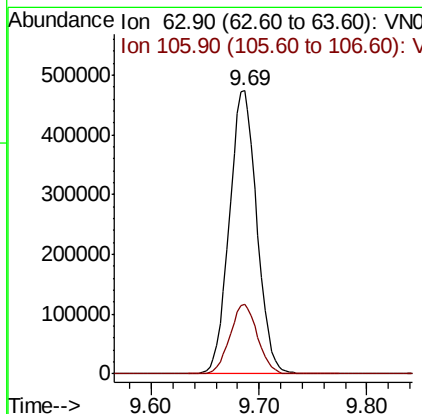
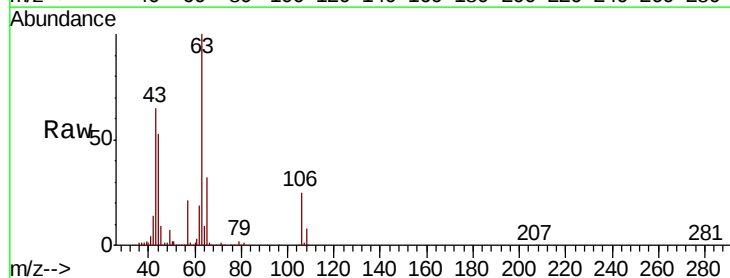
Instrument :
 MSVOA_N
 ClientSampled :

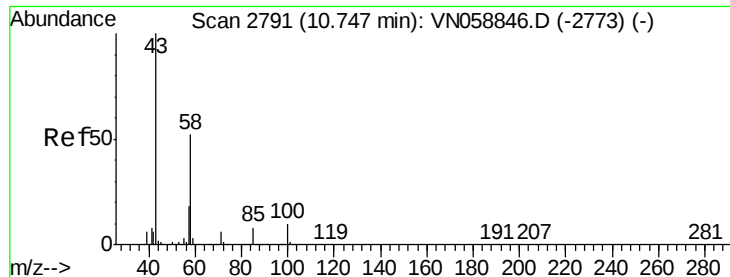
Tot Ion: 76 Resp: 434959
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.697 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

Tgt Ion: 63 Resp: 841824
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

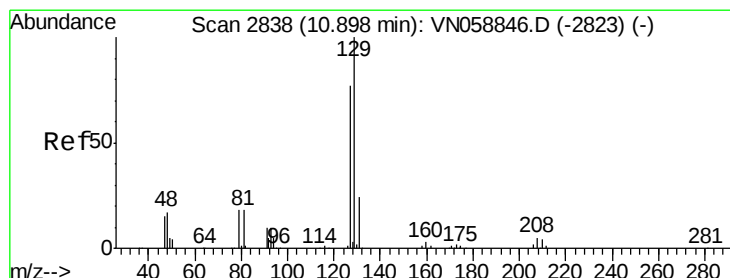
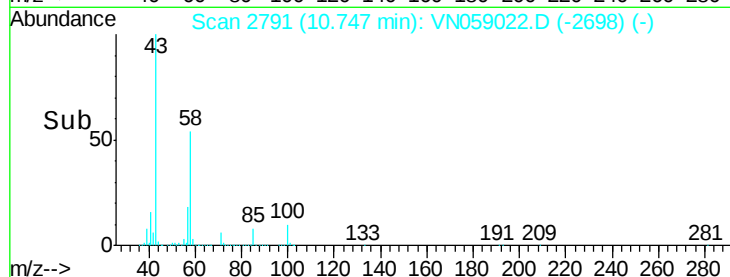
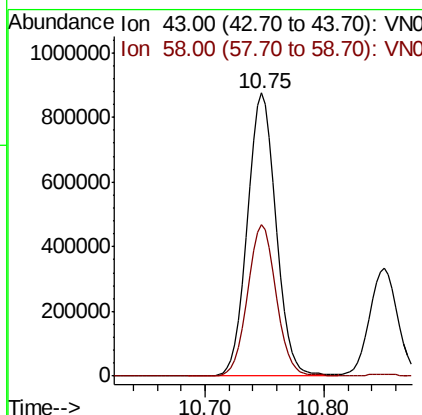
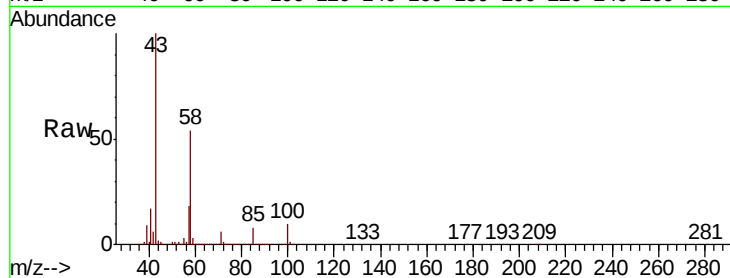




#59
2-Hexanone
Concen: 283.805 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

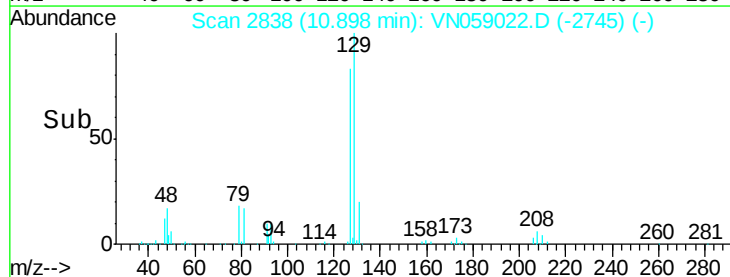
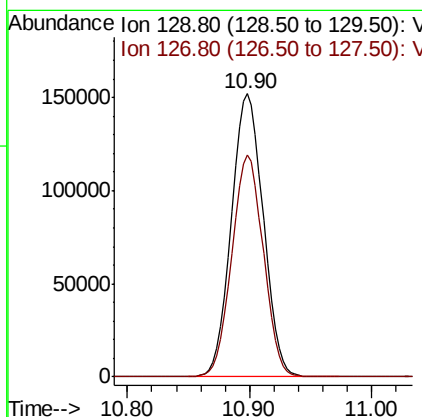
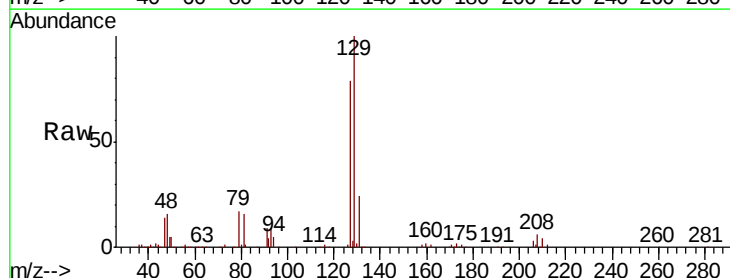
Instrument :
MSVOA_N
ClientSampleId :

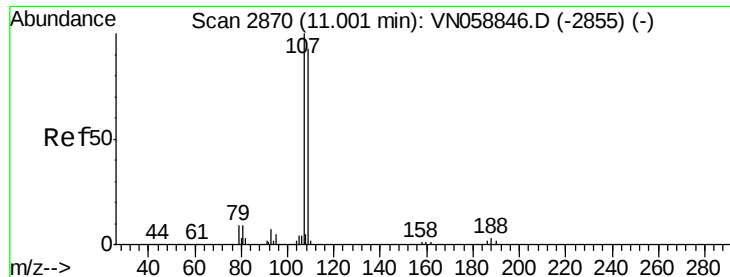
Tot Ion: 43 Resp: 1459230
Ion Ratio Lower Upper
43 100
58 53.5 25.9 77.7



#60
Dibromochloromethane
Concen: 54.878 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 129 Resp: 276227
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.406 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

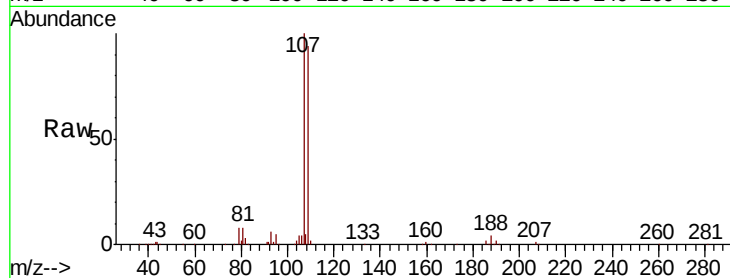
ClientSampleId :

Tot Ion: 107 Resp: 255588

Ion Ratio Lower Upper

107 100

109 93.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

150000

100000

50000

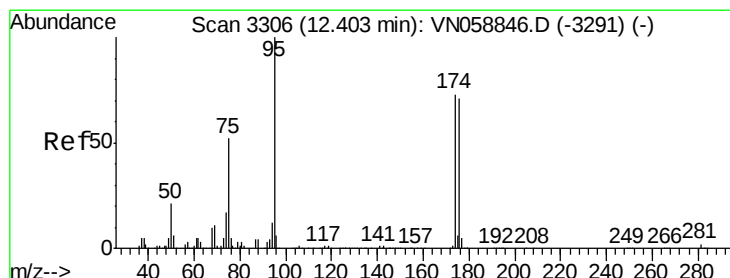
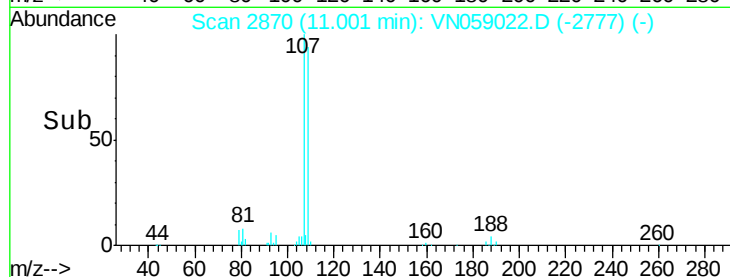
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 52.431 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

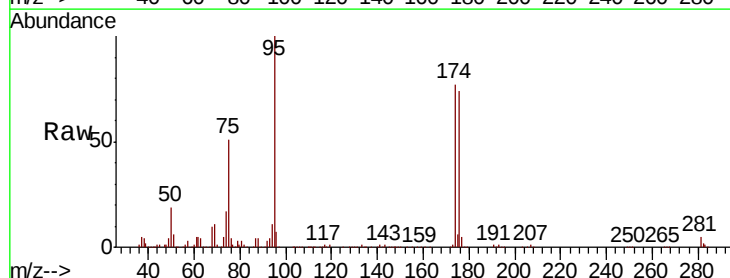
Tgt Ion: 95 Resp: 312895

Ion Ratio Lower Upper

95 100

174 77.4 0.0 147.6

176 74.3 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

100000

50000

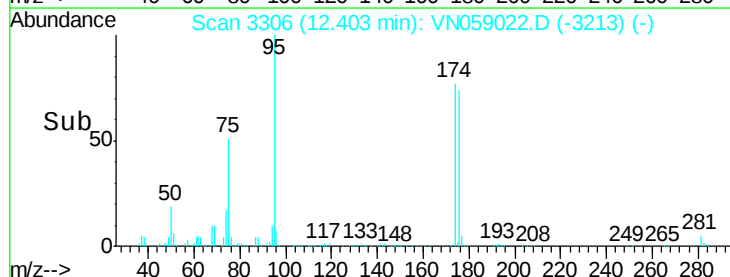
0

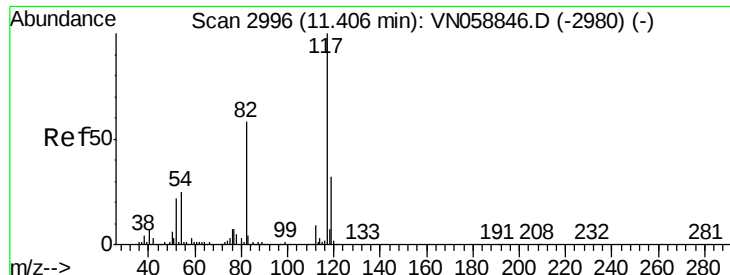
Time-->

12.35

12.40

12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

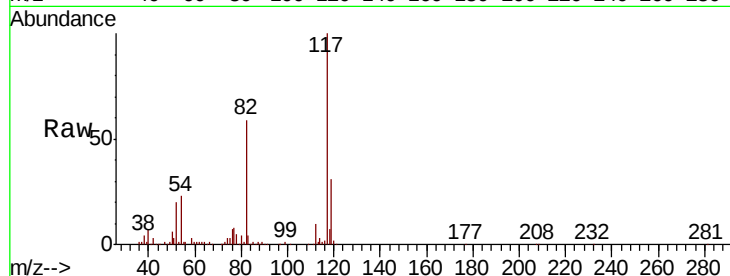
Tot Ion:117 Resp: 593899

Ion Ratio Lower Upper

117 100

82 58.6 46.6 69.8

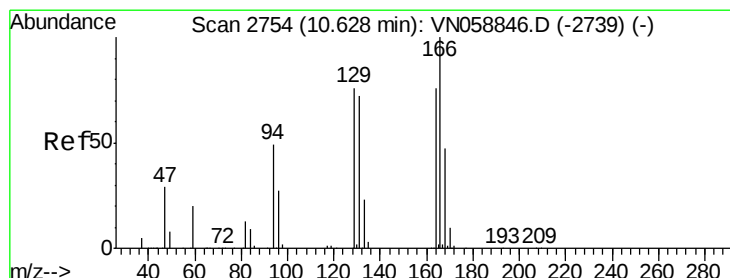
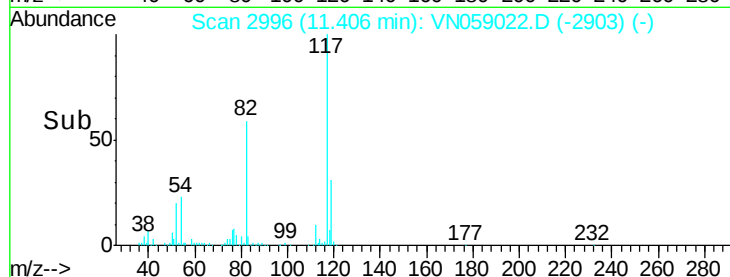
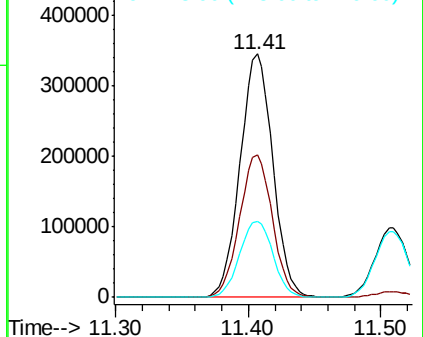
119 31.4 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.447 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Tgt Ion:164 Resp: 209824

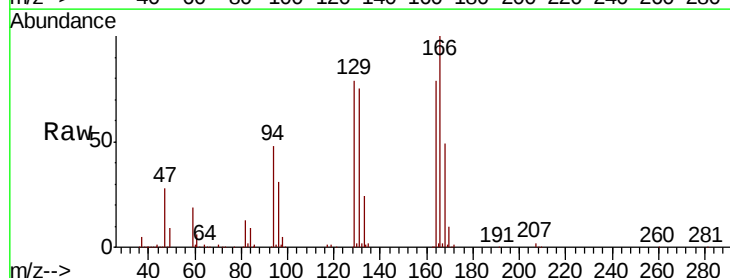
Ion Ratio Lower Upper

164 100

166 126.6 104.8 157.2

129 99.8 79.3 118.9

131 94.5 75.8 113.6

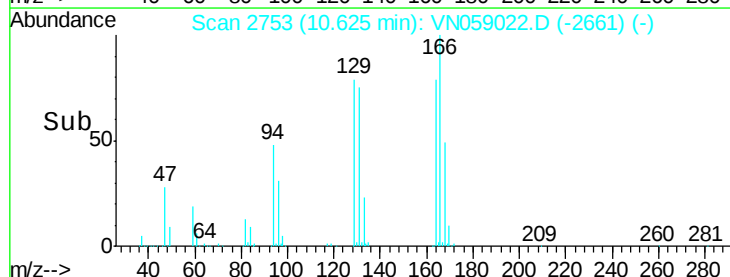
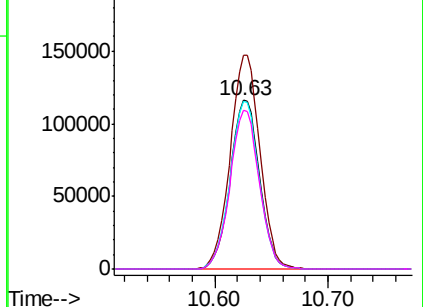


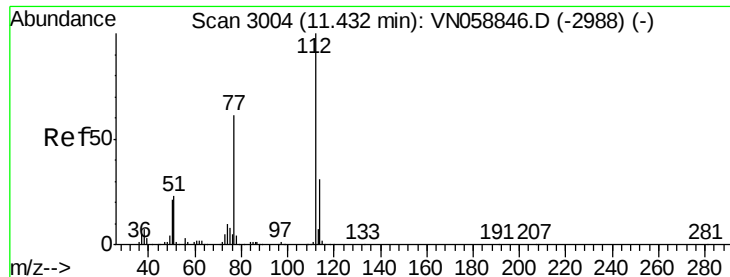
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

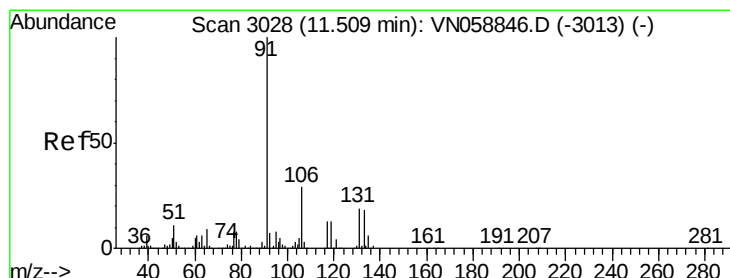
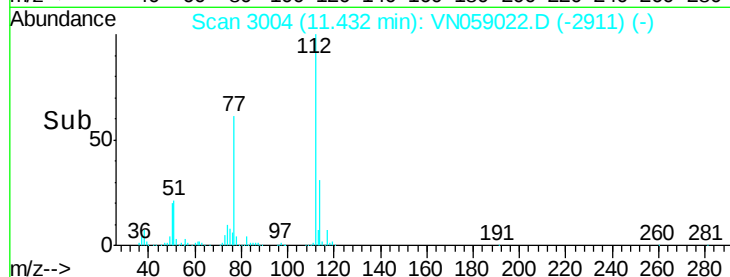
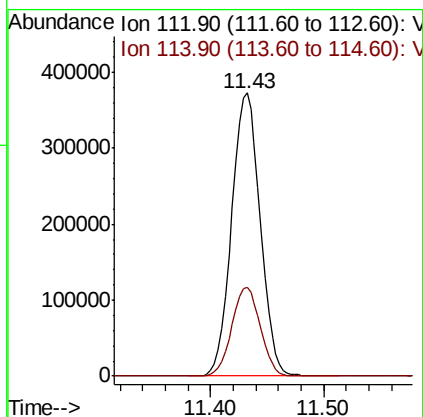
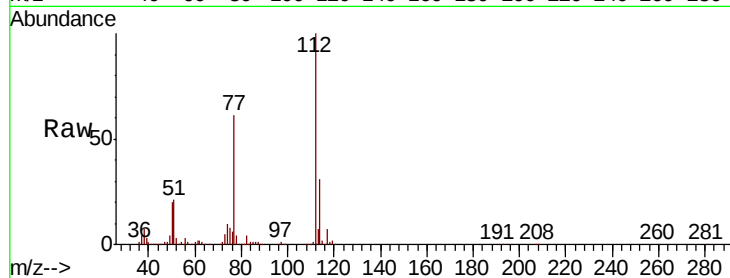




#65
Chlorobenzene
Concen: 54.132 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

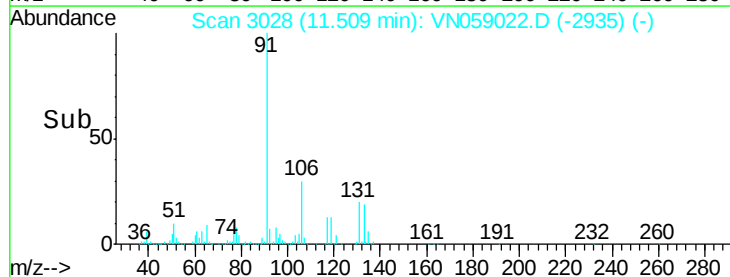
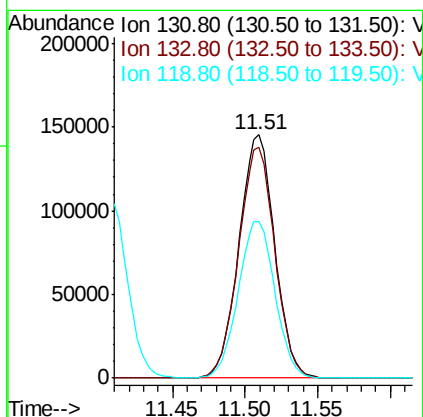
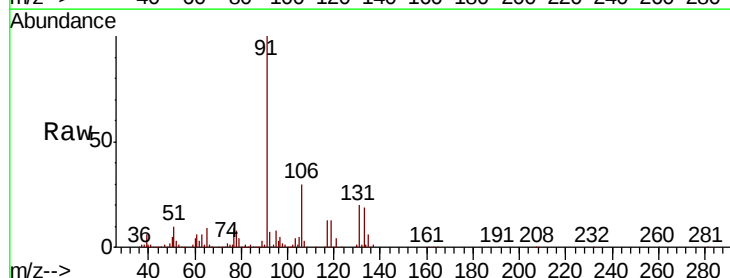
Instrument :
MSVOA_N
ClientSampleId :

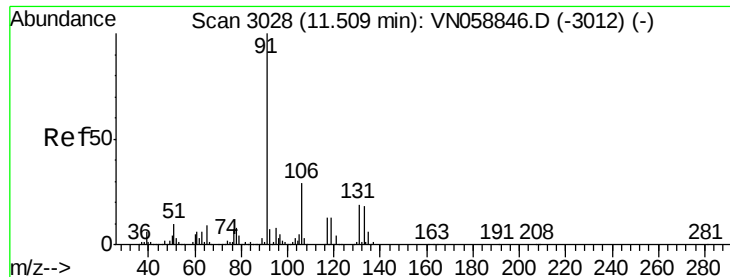
Tot Ion:112 Resp: 654508
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.634 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion:131 Resp: 249275
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.2
119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 56.661 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

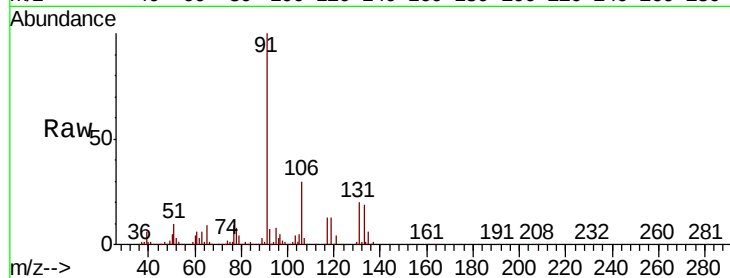
ClientSampled :

Tot Ion: 91 Resp: 1201809

Ion Ratio Lower Upper

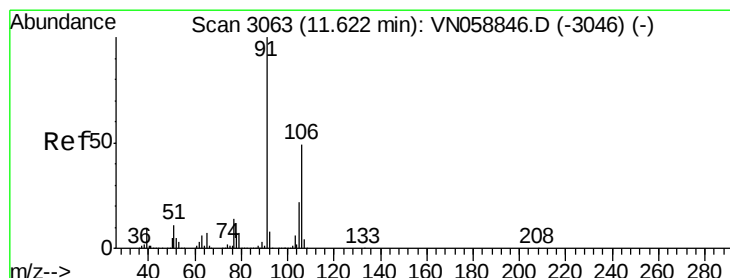
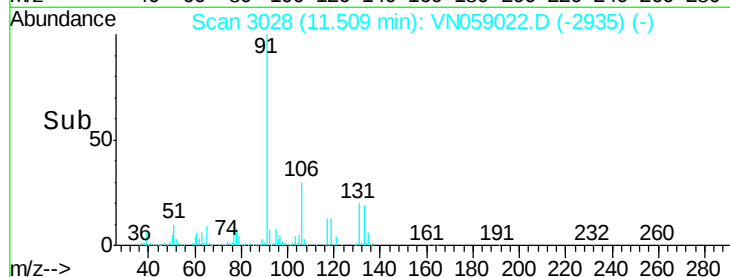
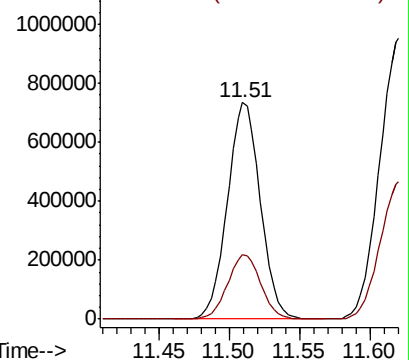
91 100

106 29.7 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 113.411 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059022.D

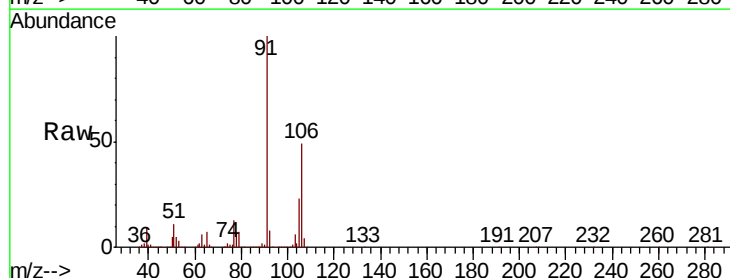
Acq: 30 Oct 2019 12:30

Tgt Ion:106 Resp: 892065

Ion Ratio Lower Upper

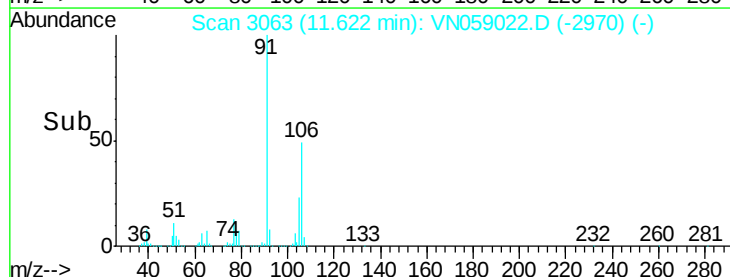
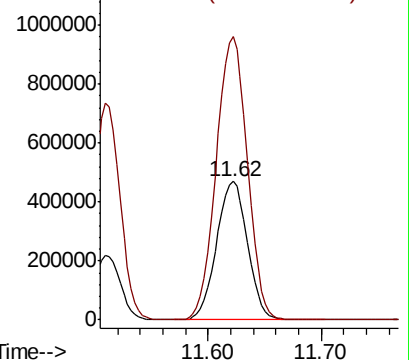
106 100

91 206.1 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

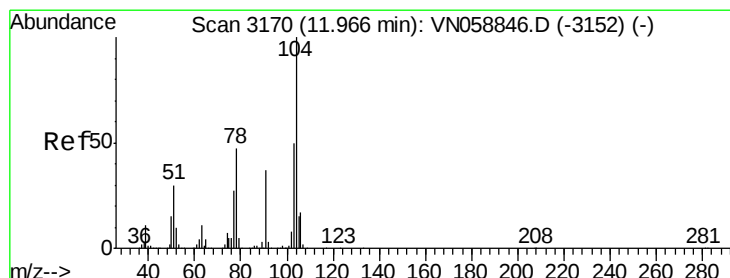
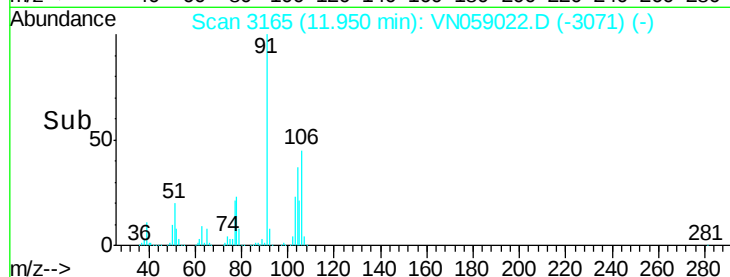
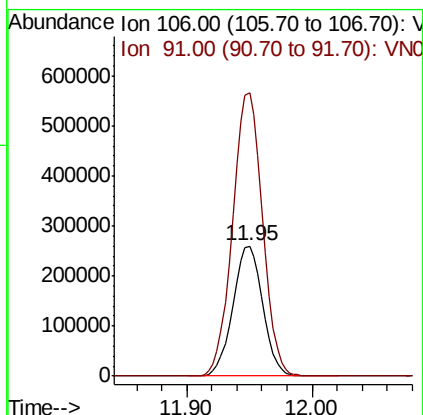
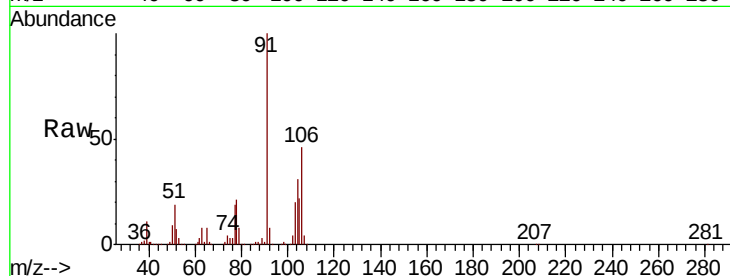




#69
o-Xylene
Concen: 57.048 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

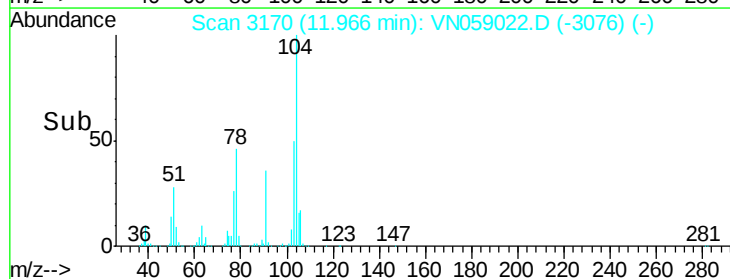
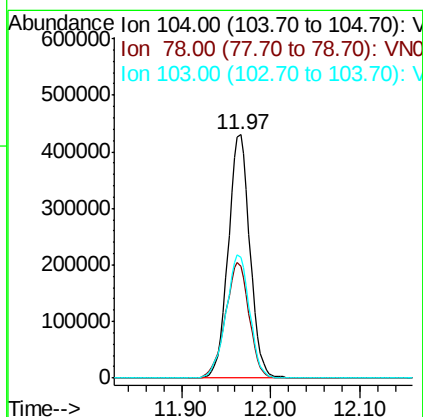
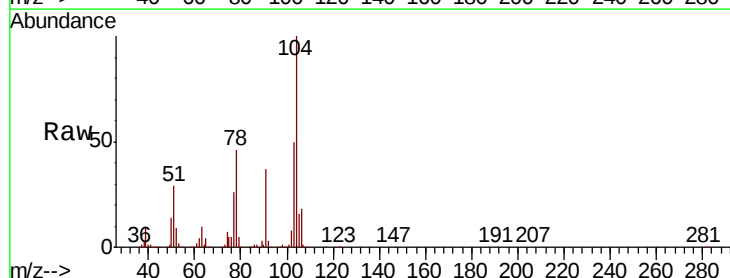
Instrument :
MSVOA_N
ClientSampled :

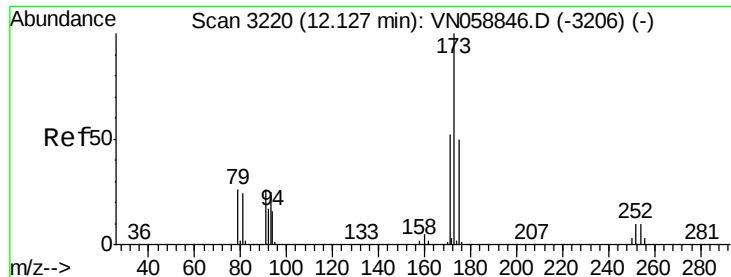
Tot Ion:106 Resp: 427969
Ion Ratio Lower Upper
106 100
91 219.2 111.5 334.4



#70
Styrene
Concen: 52.106 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion:104 Resp: 722576
Ion Ratio Lower Upper
104 100
78 52.0 42.8 64.2
103 54.8 44.3 66.5





#71

Bromoform

Concen: 56.466 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

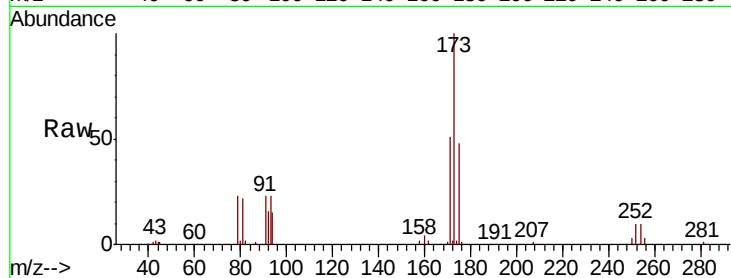
Tot Ion:173 Resp: 199781

Ion Ratio Lower Upper

173 100

175 48.2 24.7 74.1

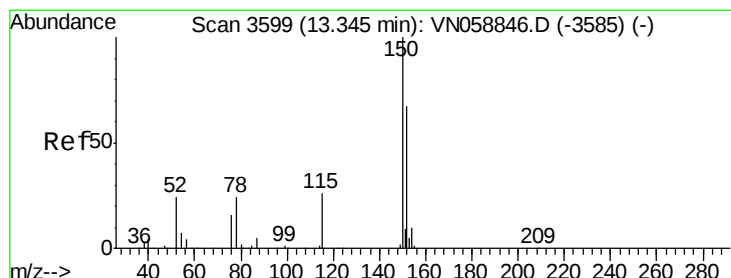
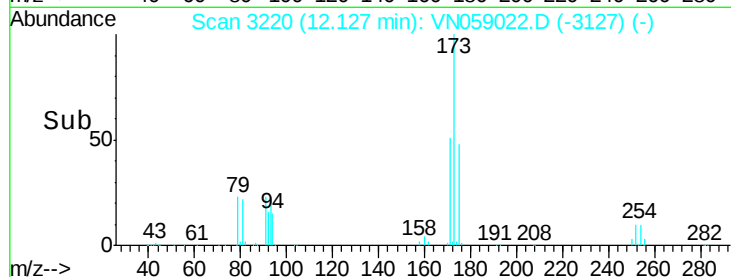
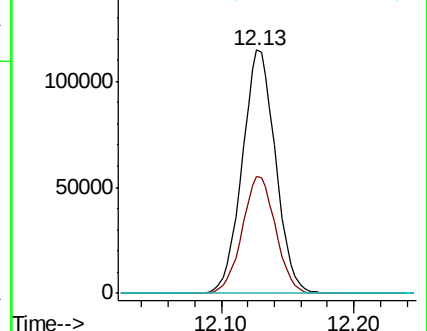
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

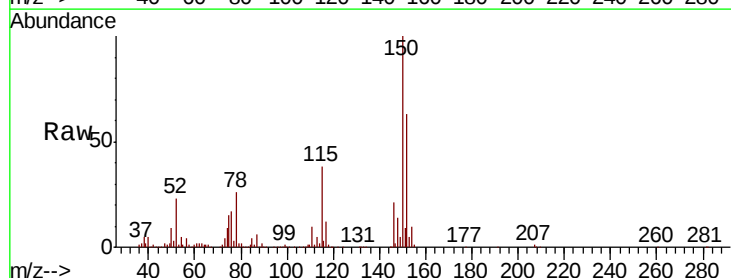
Tgt Ion:152 Resp: 298506

Ion Ratio Lower Upper

152 100

115 59.9 30.5 91.5

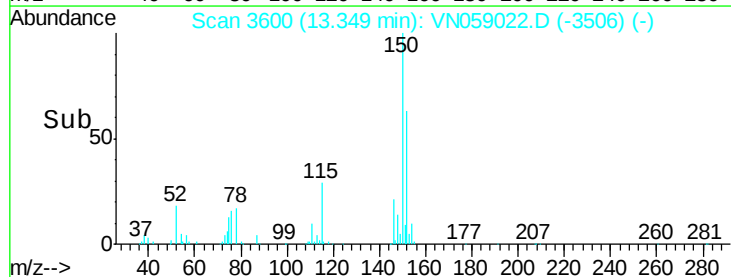
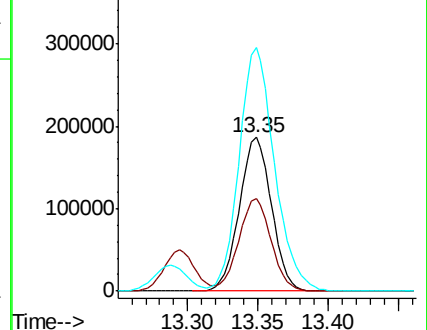
150 173.8 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.608 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

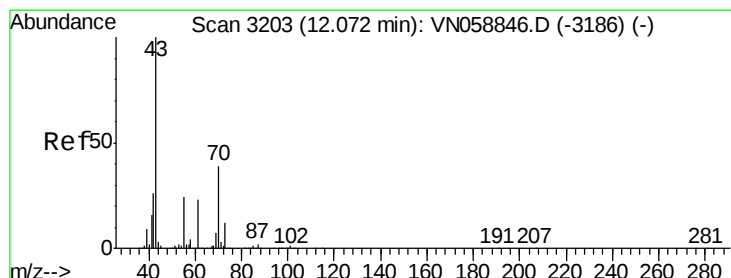
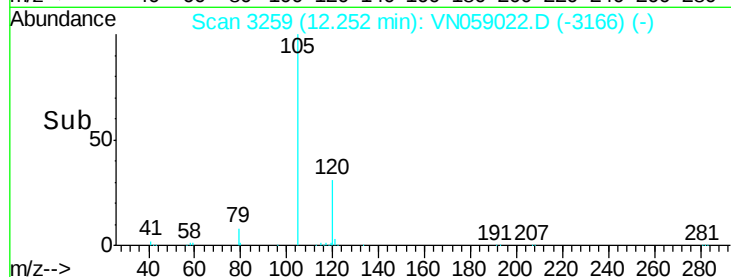
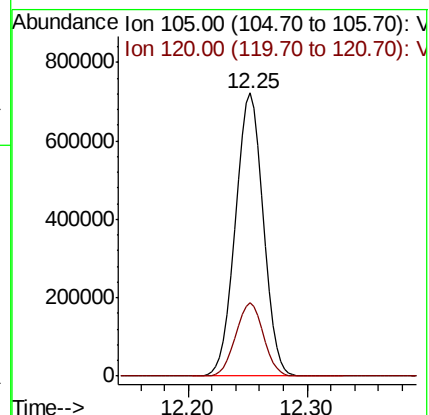
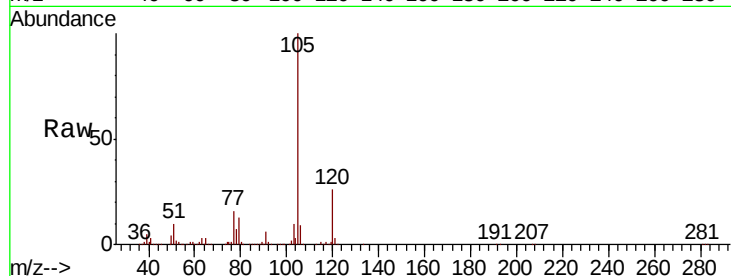
ClientSampleId :

Tot Ion: 105 Resp: 1169465

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 53.671 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Tgt Ion: 43 Resp: 530812

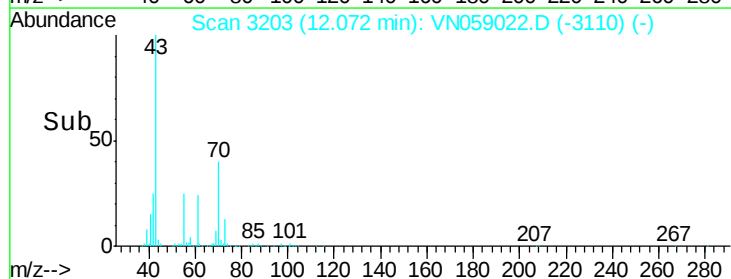
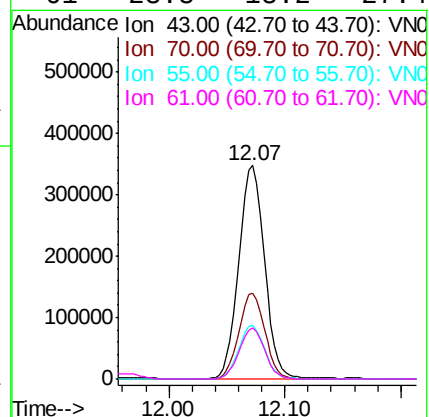
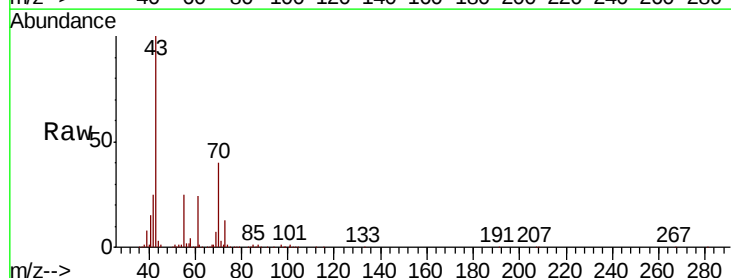
Ion Ratio Lower Upper

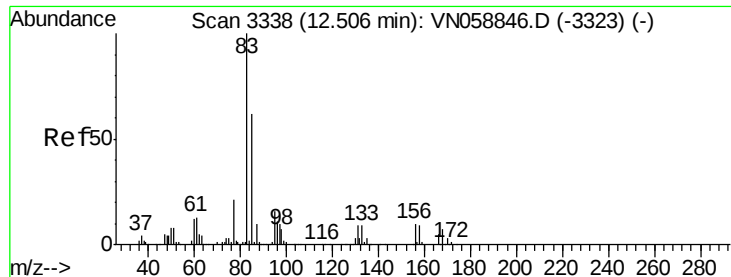
43 100

70 40.6 30.9 46.3

55 25.4 19.7 29.5

61 23.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.012 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

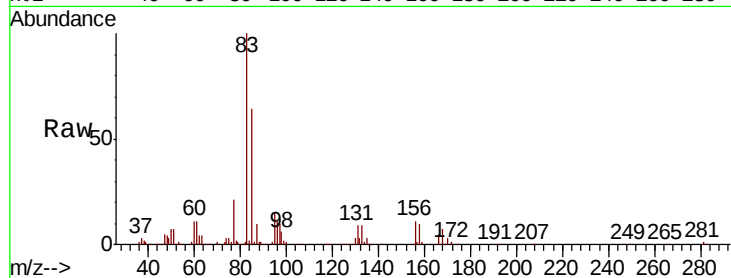
Tot Ion: 83 Resp: 391295

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.4	31.7	95.1

83 100

131 9.5 4.7 14.1

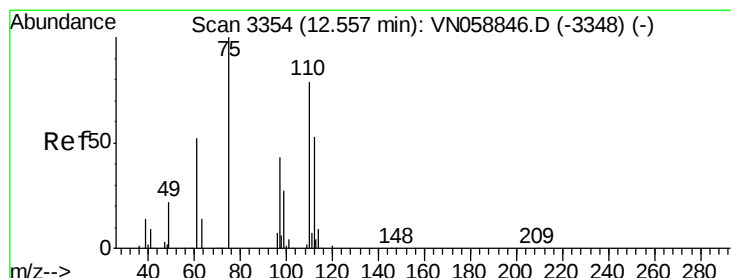
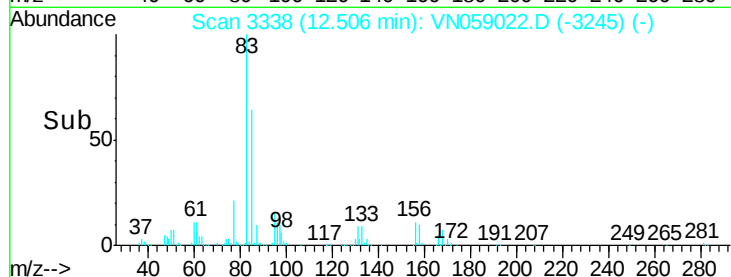
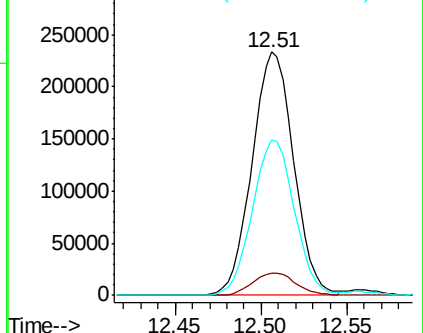
85 64.4 31.7 95.1



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: 75.174 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059022.D

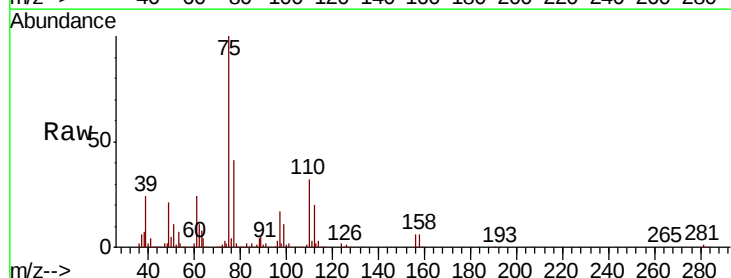
Acq: 30 Oct 2019 12:30

Tgt Ion: 75 Resp: 520070

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

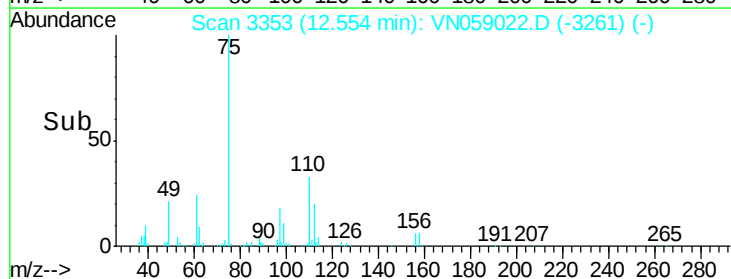
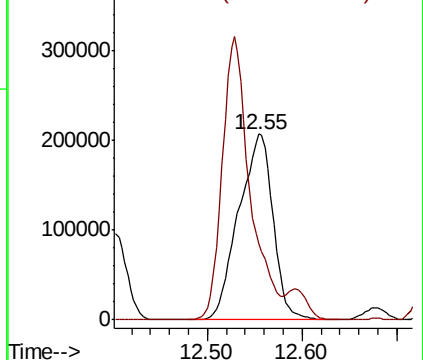
75 100

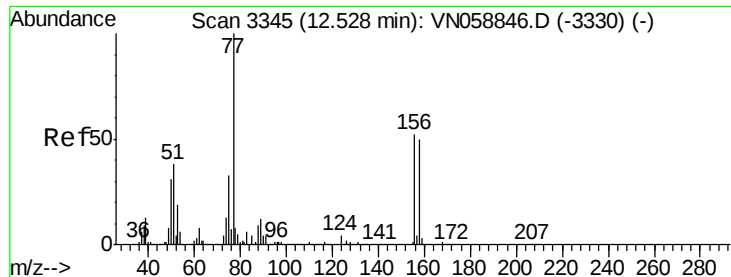
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.156 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

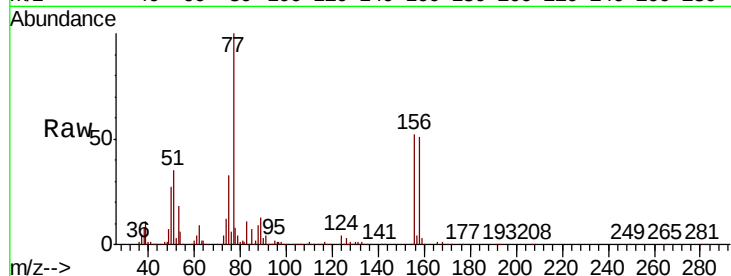
Tot Ion:156 Resp: 280448

Ion Ratio Lower Upper

156 100

77 230.8 118.0 354.0

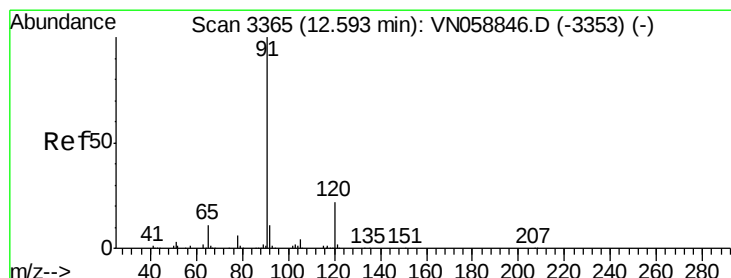
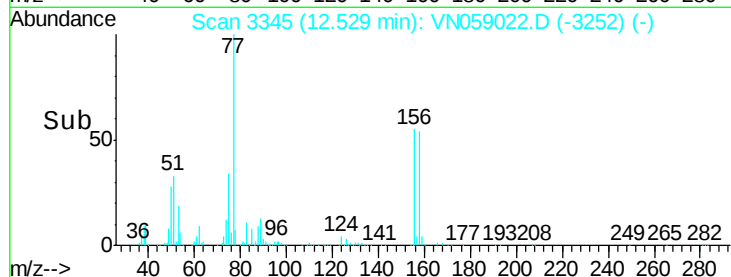
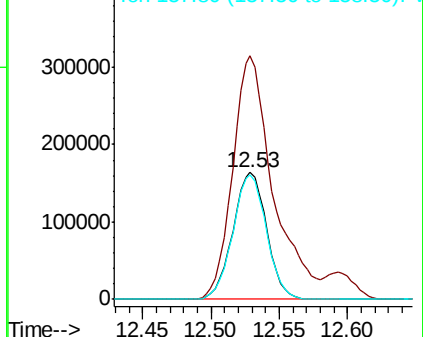
158 97.9 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.486 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059022.D

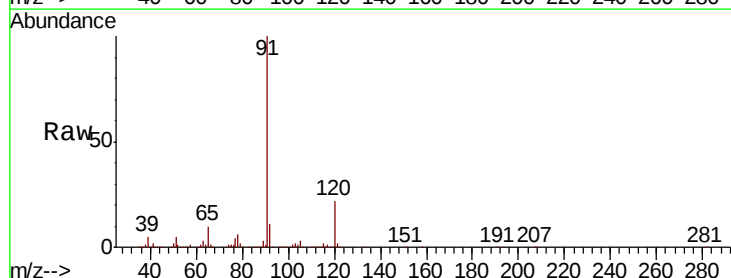
Acq: 30 Oct 2019 12:30

Tgt Ion: 91 Resp: 1404997

Ion Ratio Lower Upper

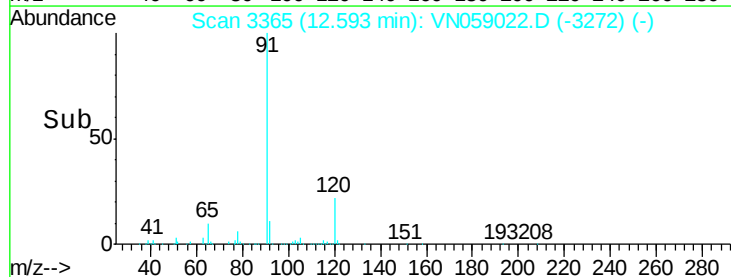
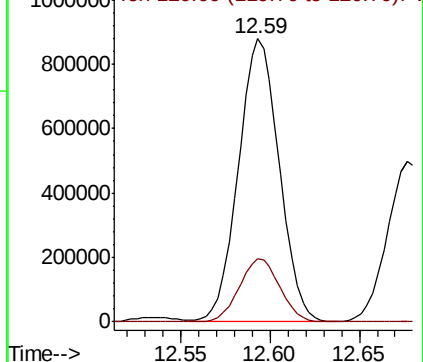
91 100

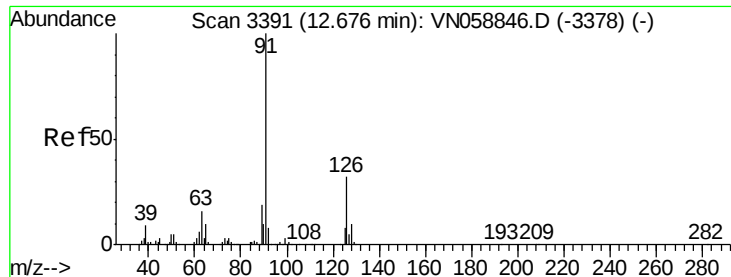
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.239 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

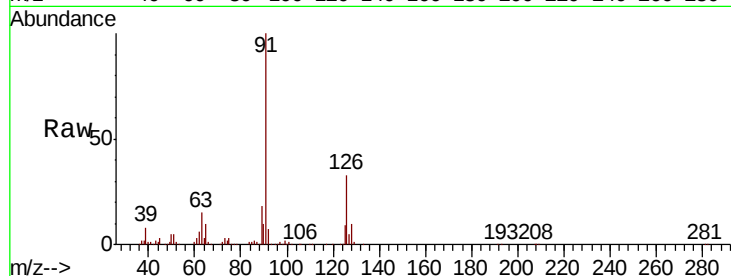
ClientSampled :

Tot Ion: 91 Resp: 824450

Ion Ratio Lower Upper

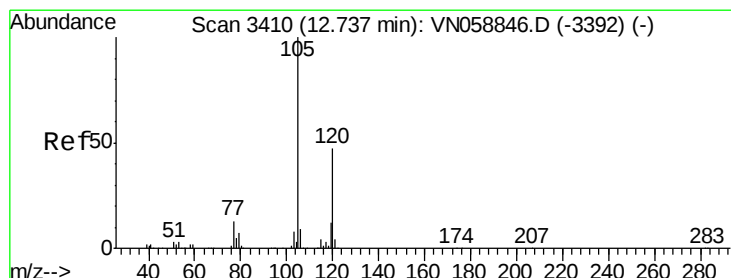
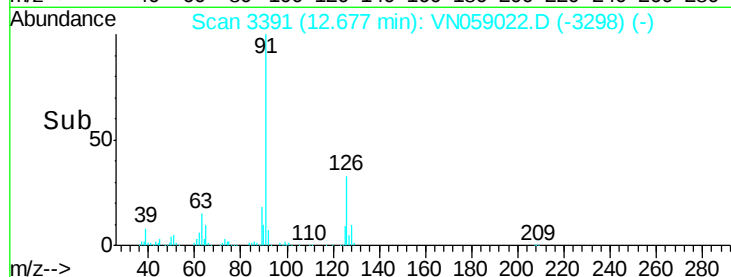
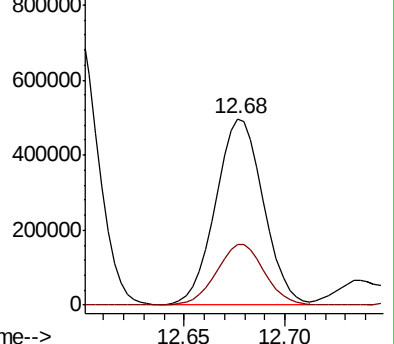
91 100

126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.432 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059022.D

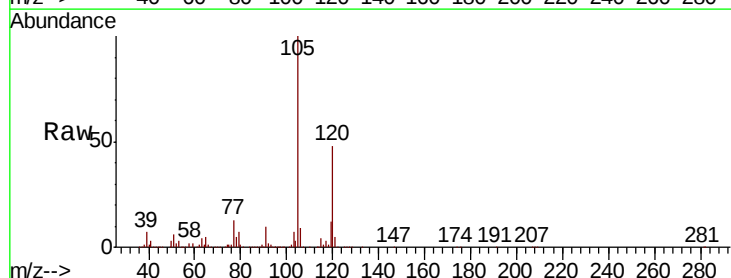
Acq: 30 Oct 2019 12:30

Tgt Ion: 105 Resp: 997676

Ion Ratio Lower Upper

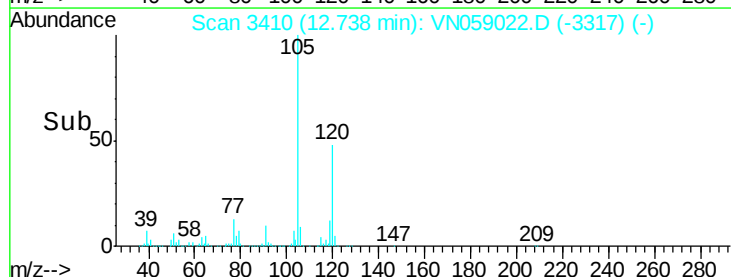
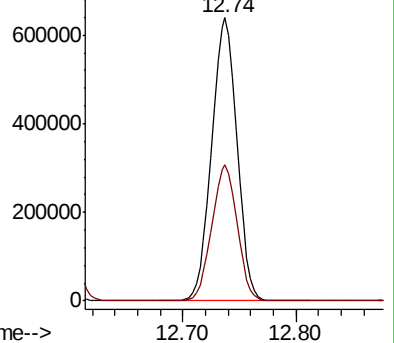
105 100

120 48.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.107 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

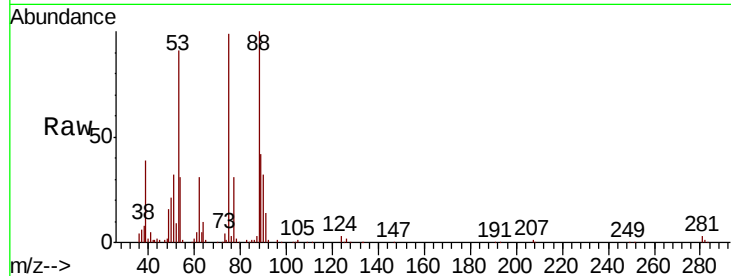
Tot Ion: 75 Resp: 141035

Ion Ratio Lower Upper

75 100

53 92.9 78.6 118.0

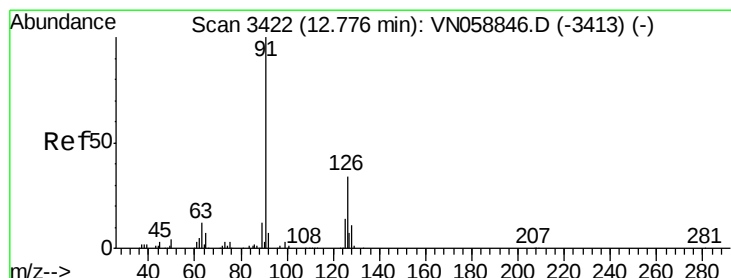
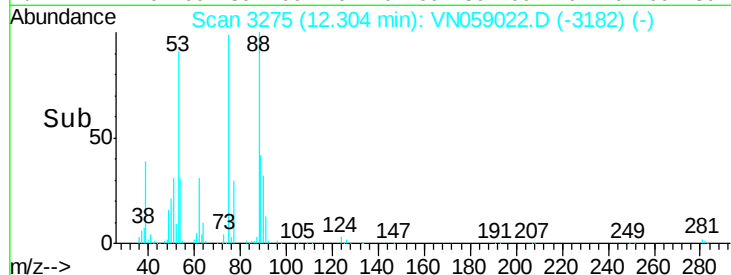
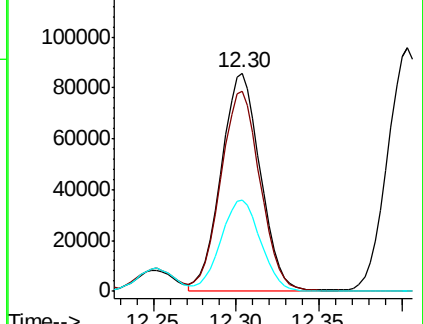
89 42.8 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN059022.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN059022.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN059022.D (-3182) (-)



#82

4-Chlorotoluene

Concen: 52.729 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059022.D

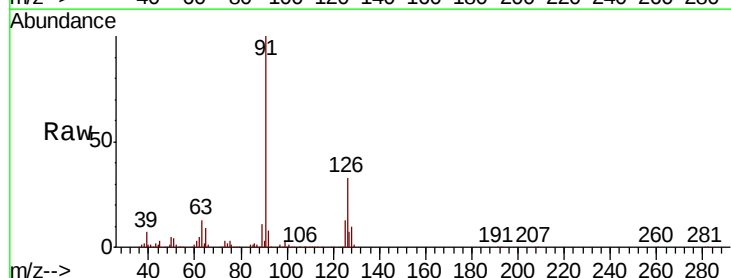
Acq: 30 Oct 2019 12:30

Tgt Ion: 91 Resp: 850433

Ion Ratio Lower Upper

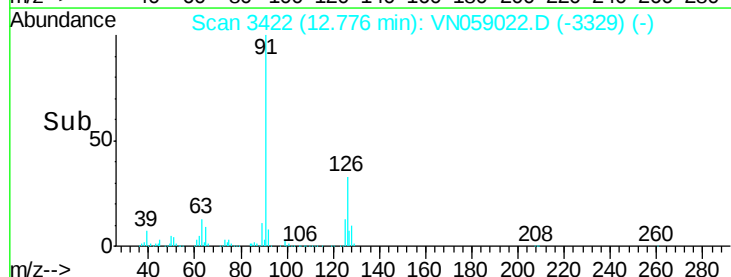
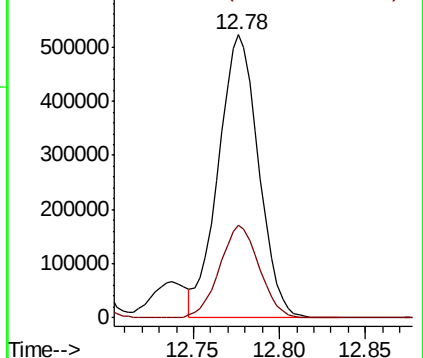
91 100

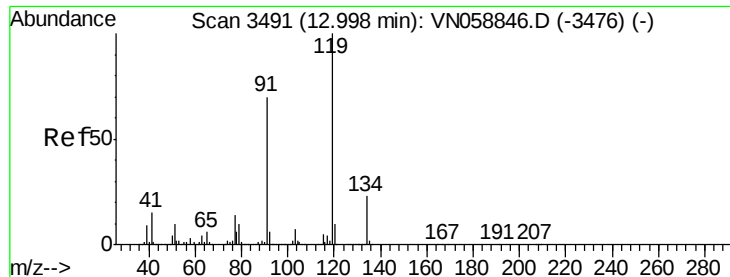
126 32.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN059022.D (-3329) (-)

Ion 125.90 (125.60 to 126.60): VN059022.D (-3329) (-)

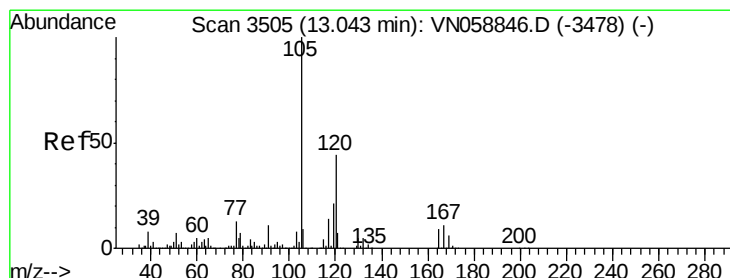
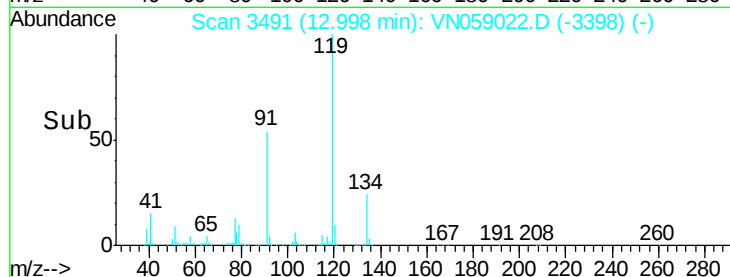
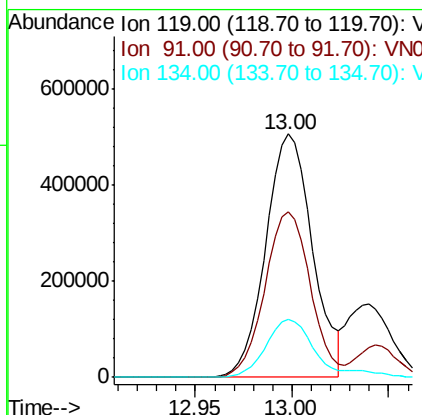
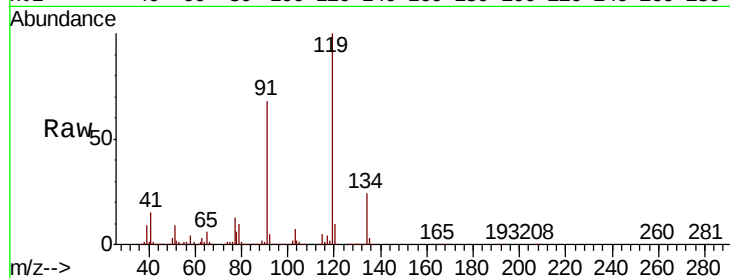




#83
tert-Butylbenzene
Concen: 54.242 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

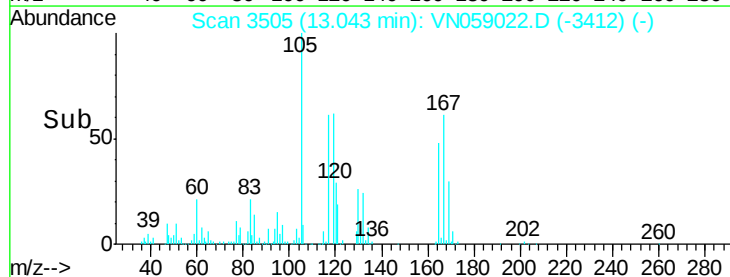
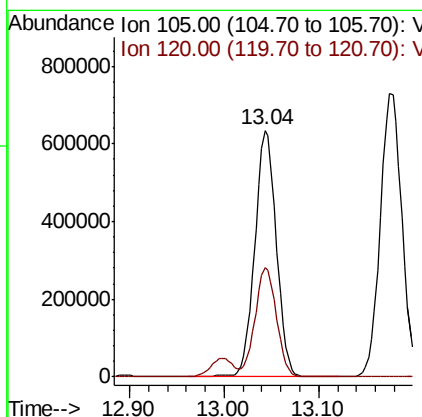
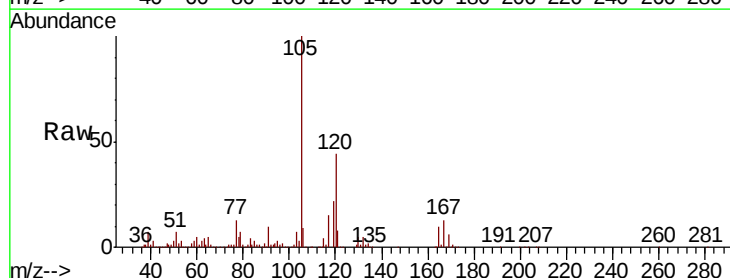
Instrument :
MSVOA_N
ClientSampleId :

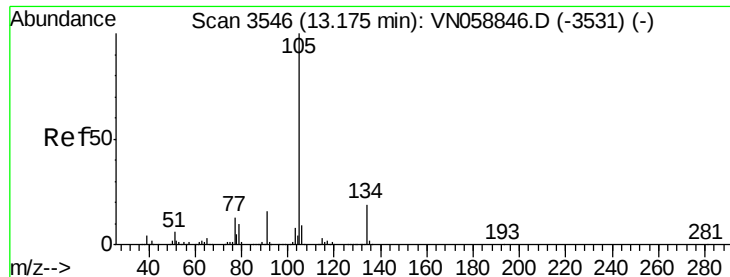
Tot Ion:119 Resp: 850159
Ion Ratio Lower Upper
119 100
91 66.5 34.1 102.3
134 25.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 55.545 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion:105 Resp: 1004164
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8





#85

sec-Butylbenzene

Concen: 55.302 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

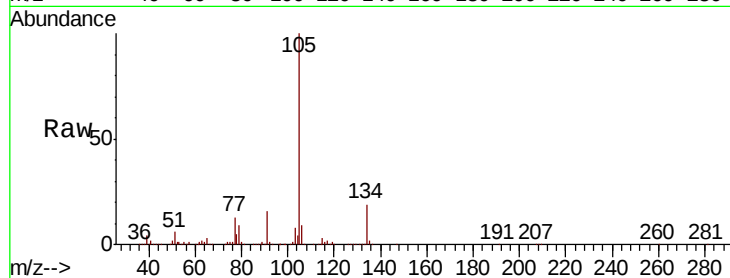
ClientSampled :

Tot Ion:105 Resp: 1155632

Ion Ratio Lower Upper

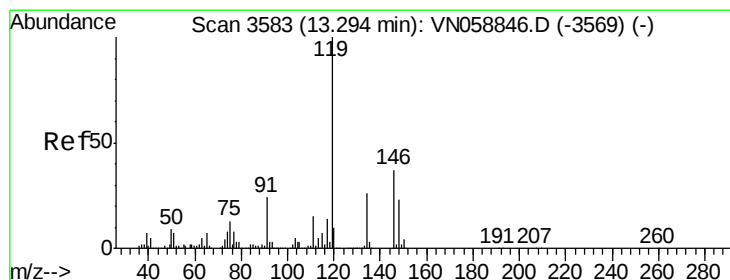
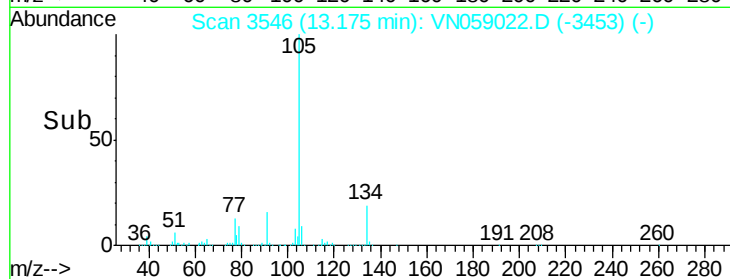
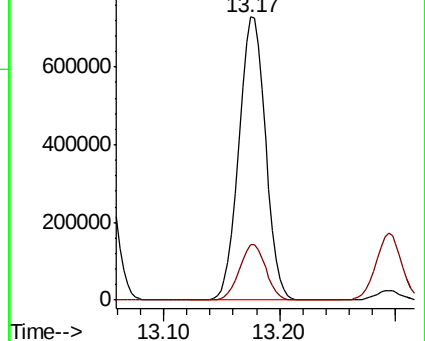
105 100

134 19.4 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.791 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

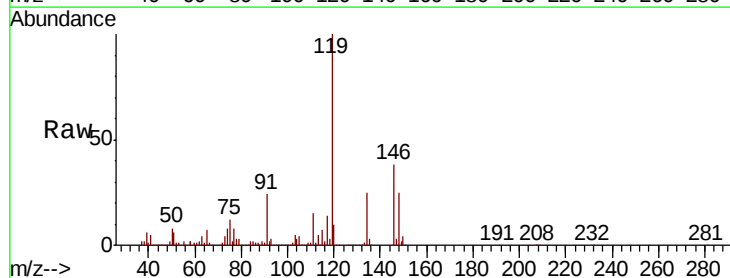
Tgt Ion:119 Resp: 1047125

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

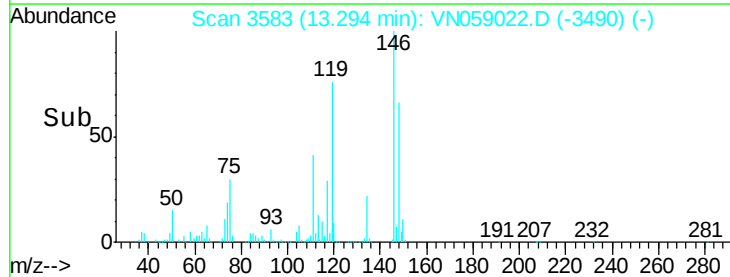
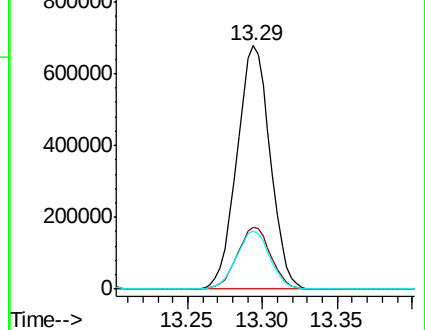
91 23.8 12.2 36.4

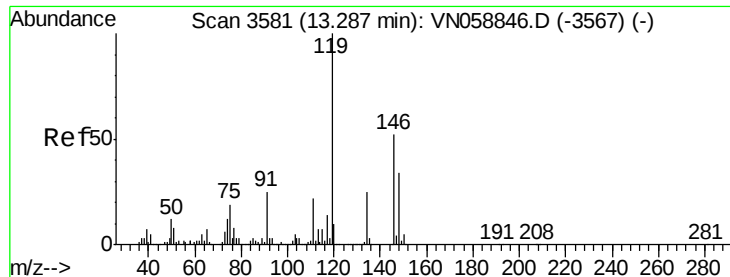


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.910 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

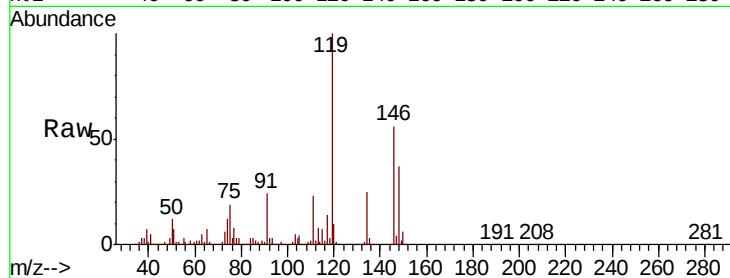
Tot Ion:146 Resp: 508708

Ion Ratio Lower Upper

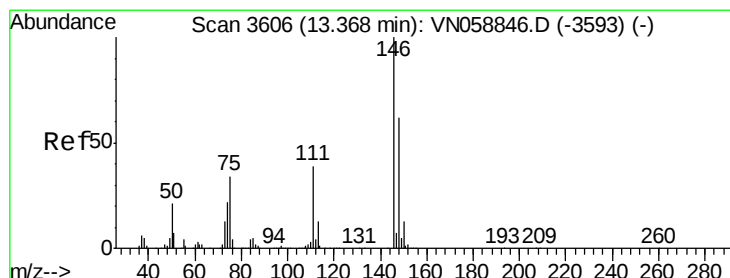
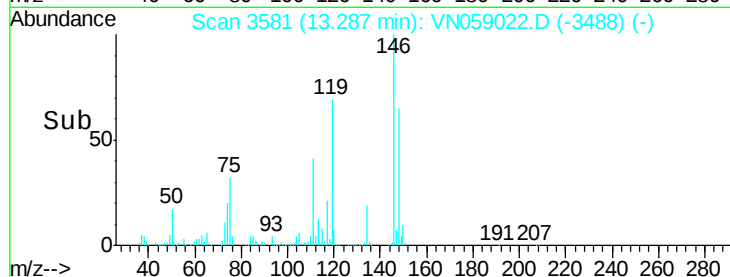
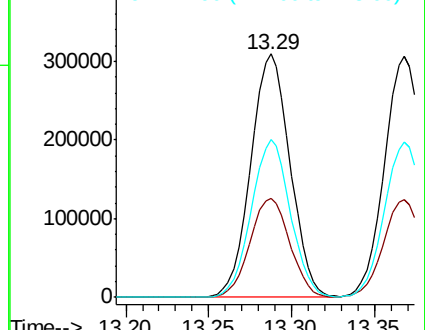
146 100

111 41.4 21.0 63.0

148 64.5 32.1 96.3



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: 51.934 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

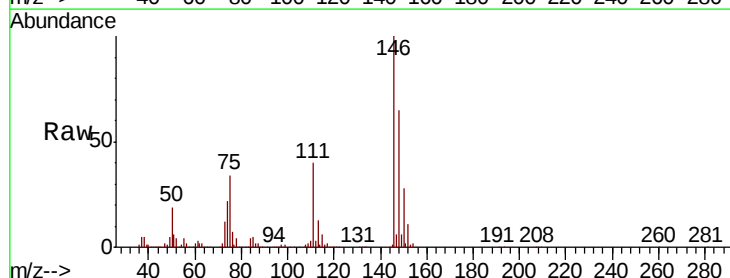
Tgt Ion:146 Resp: 499922

Ion Ratio Lower Upper

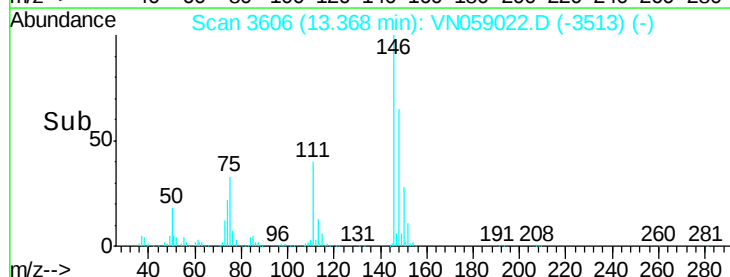
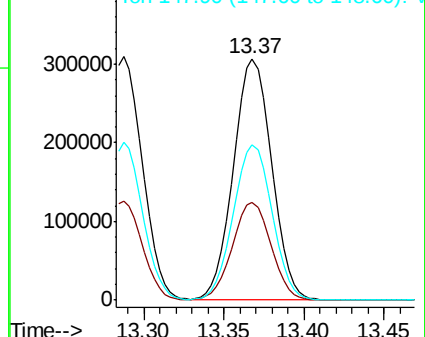
146 100

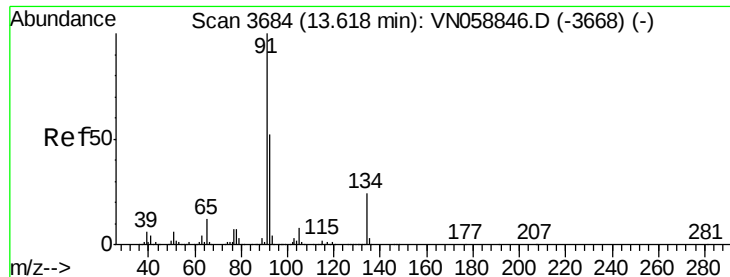
111 40.9 20.2 60.6

148 65.1 31.6 94.7



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

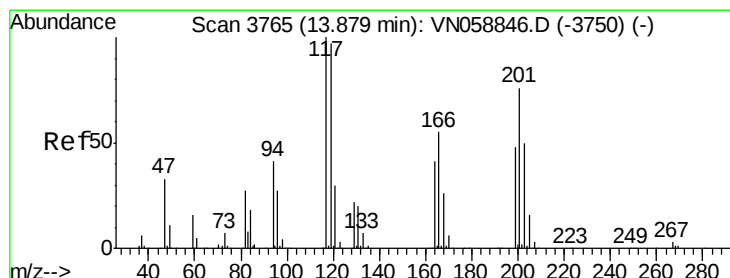
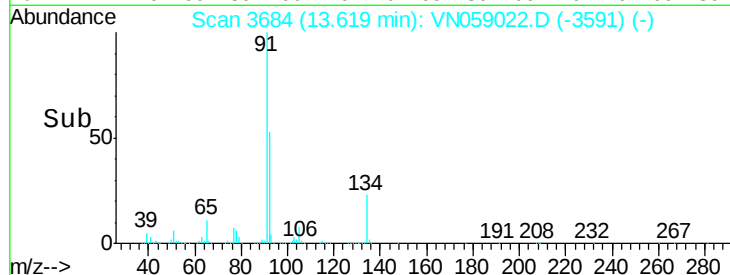
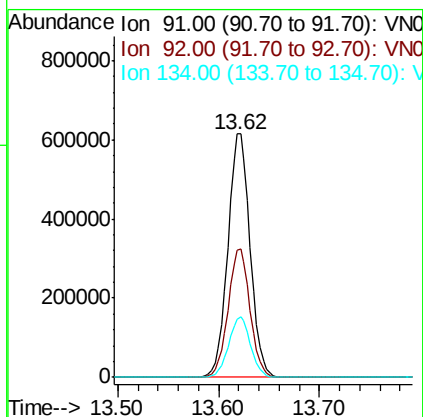
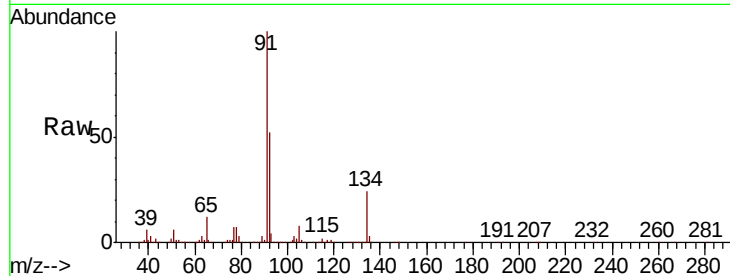




#89
n-Butylbenzene
Concen: 55.778 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

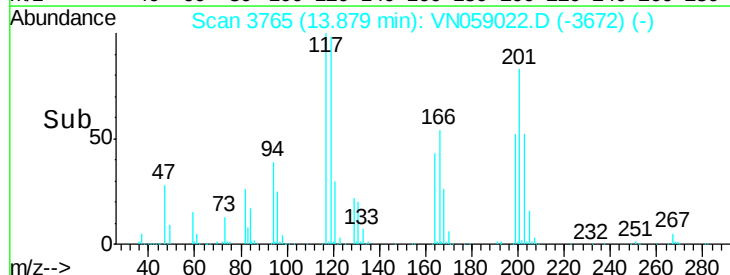
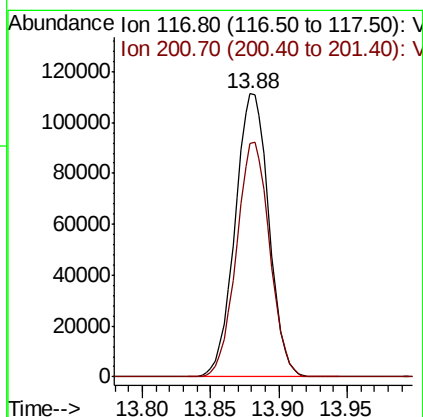
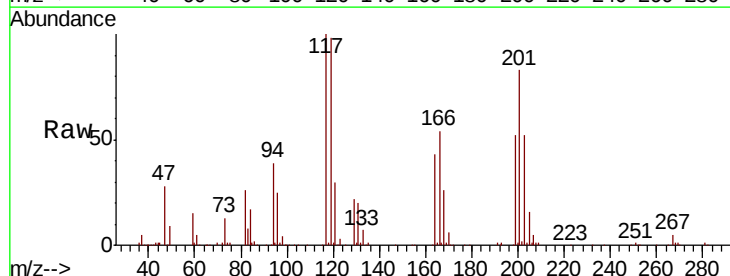
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 944743
Ion Ratio Lower Upper
91 100
92 51.9 25.7 77.1
134 24.4 11.9 35.5



#90
Hexachloroethane
Concen: 51.211 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059022.D
Acq: 30 Oct 2019 12:30

Tgt Ion: 117 Resp: 191334
Ion Ratio Lower Upper
117 100
201 81.5 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 53.539 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampleId :

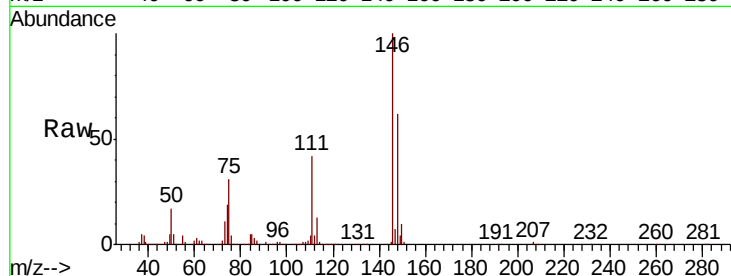
Tot Ion:146 Resp: 505935

Ion Ratio Lower Upper

146 100

111 42.0 21.6 64.8

148 63.0 31.9 95.9

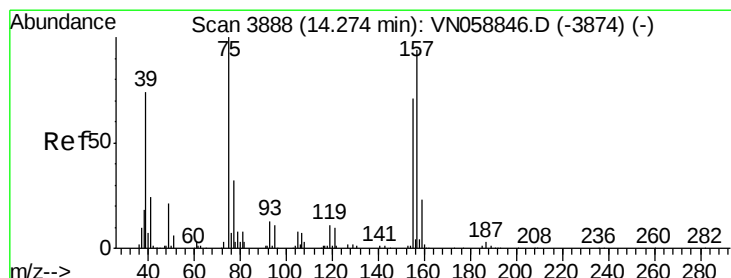
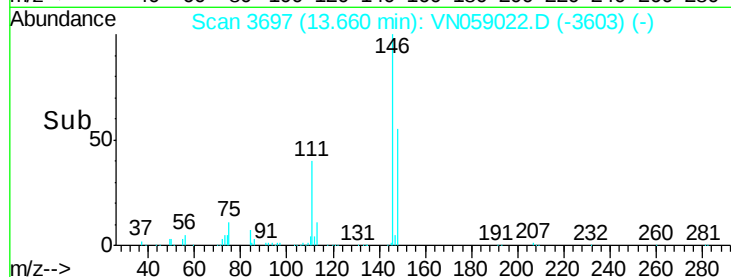
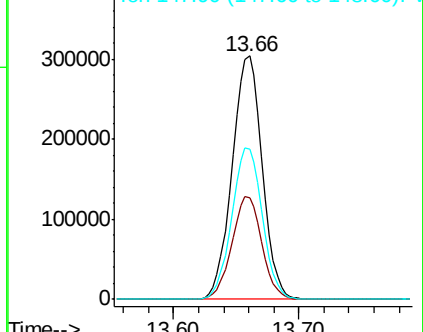


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.482 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

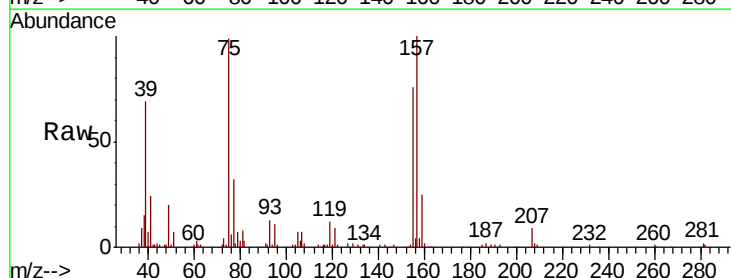
Tgt Ion: 75 Resp: 78909

Ion Ratio Lower Upper

75 100

155 77.9 35.6 106.8

157 99.5 47.4 142.2

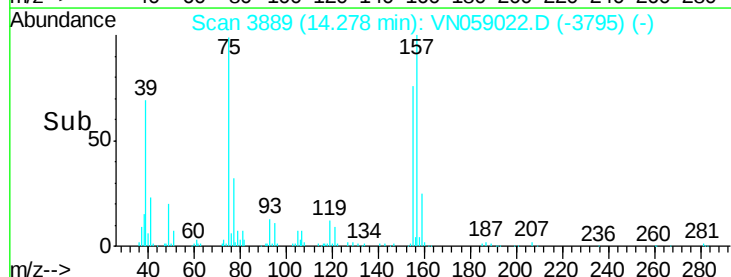
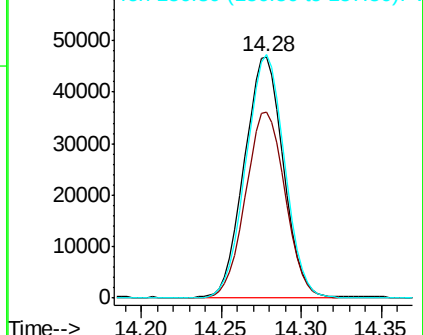


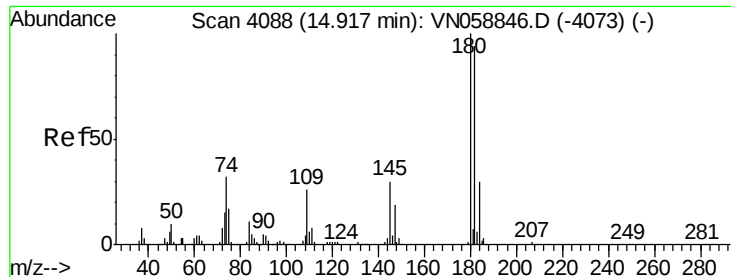
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

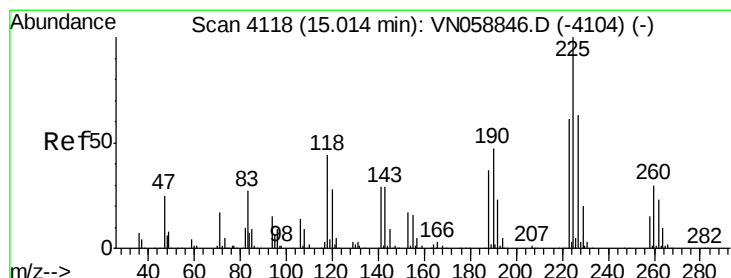
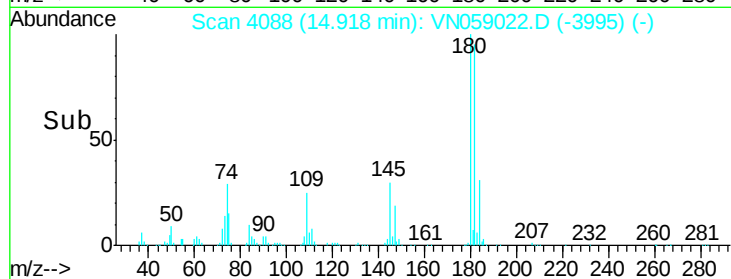
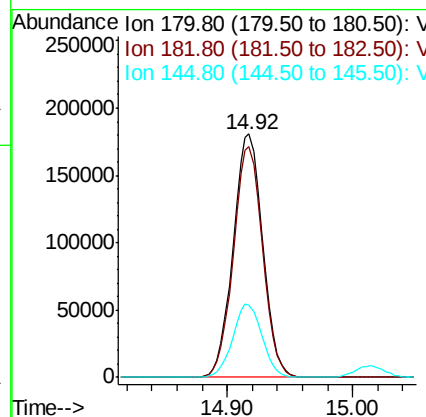
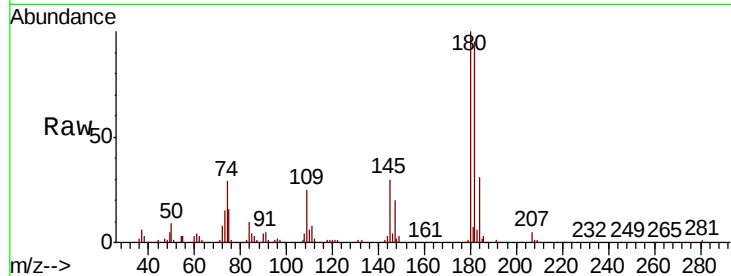




#93
 1,2,4-Trichlorobenzene
 Concen: 49.539 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

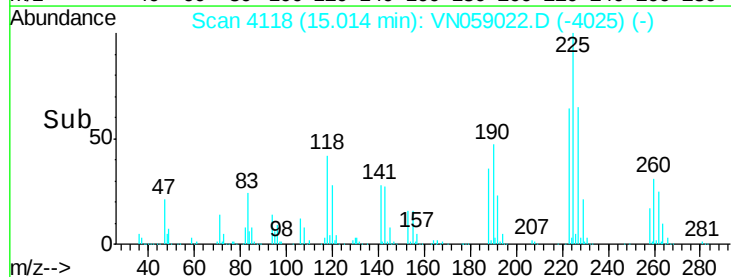
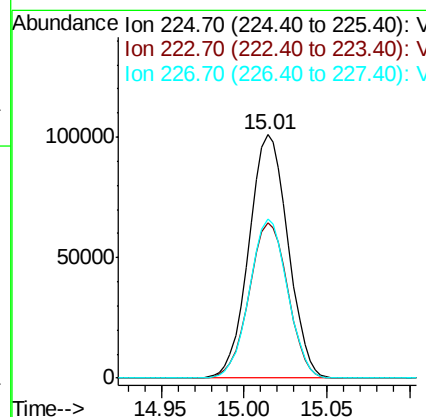
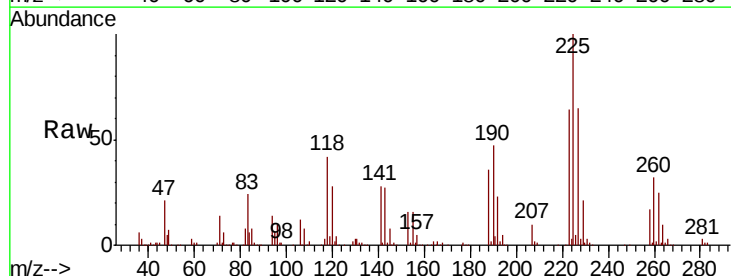
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	142.0
145	29.9	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 53.944 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059022.D
 Acq: 30 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	63.8	31.6	94.7





#95

Naphthalene

Concen: 46.317 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

Instrument :

MSVOA_N

ClientSampled :

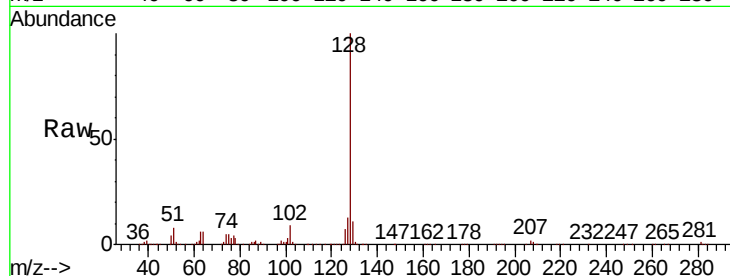
Tot Ion:128 Resp: 789008

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

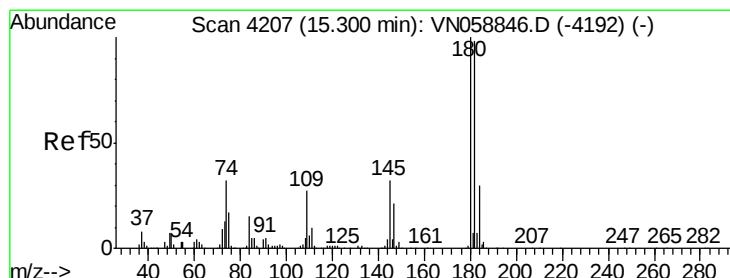
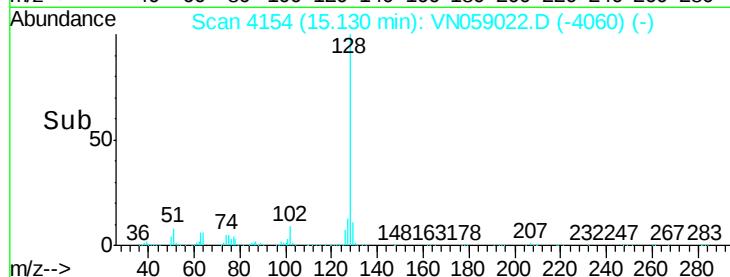
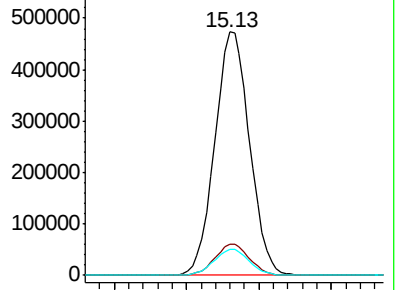
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.593 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059022.D

Acq: 30 Oct 2019 12:30

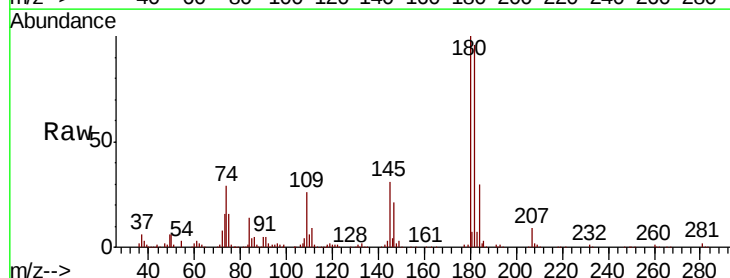
Tgt Ion:180 Resp: 287095

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 31.8 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

