

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058947.D
 Acq On : 24 Oct 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	72751	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	384541	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	364228	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	190802	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	186497	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.08	98	524420	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	78314	19.868	ug/l 99
3) Chloromethane	2.04	50	102800	19.524	ug/l 99
4) Vinyl Chloride	2.17	62	107476	19.750	ug/l 100
5) Bromomethane	2.55	94	63709	18.962	ug/l 100
6) Chloroethane	2.68	64	69786	20.402	ug/l 98
7) Trichlorofluoromethane	3.00	101	138281	20.645	ug/l 100
8) Diethyl Ether	3.39	74	47076	18.428	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76580	19.759	ug/l 97
10) 1,1-Dichloroethene	3.71	96	70016	18.394	ug/l 98
11) Methyl Iodide	3.92	142	74708	14.093	ug/l 99
12) Methyl Acetate	4.30	43	120464	19.780	ug/l 100
13) Acrolein	3.58	56	51900	77.128	ug/l 95
14) Acrylonitrile	4.96	53	236365	98.500	ug/l 99
15) Acetone	3.79	58	98116	137.744	ug/l 98
16) Carbon Disulfide	4.03	76	212134	19.107	ug/l 98
17) Allyl chloride	4.30	41	143933	18.998	ug/l 97
18) Methylene Chloride	4.52	84	86468	18.759	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	77117	18.610	ug/l 99
20) Diisopropyl ether	5.92	45	299270	19.388	ug/l 97
21) 1,1-Dichloroethane	5.82	63	164907	19.293	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	92062	18.633	ug/l 100
23) tert-Butyl Alcohol	4.76	59	93555	95.316	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	259478	18.272	ug/l # 79
25) Chloroform	7.35	83	162037	19.007	ug/l 95
26) Cyclohexane	7.63	56	133051	17.734	ug/l # 97
29) 1,1-Dichloropropene	7.77	75	116743	19.286	ug/l 99
30) 2-Butanone	6.81	43	391672	114.501	ug/l 100
31) 2,2-Dichloropropane	6.80	77	142755	20.009	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	139676	19.951	ug/l 99
33) Carbon Tetrachloride	7.75	117	120790	19.932	ug/l 99
34) Benzene	8.02	78	354978	19.919	ug/l 97
35) Methacrylonitrile	7.19	41	199770	66.110	ug/l # 65
36) 1,2-Dichloroethane	8.10	62	136465	20.028	ug/l 99
37) Trichloroethene	8.82	130	83427	19.056	ug/l 96
38) Methylcyclohexane	9.07	83	125239	17.845	ug/l 97
39) 1,2-Dichloropropane	9.10	63	97446	20.009	ug/l 98
40) Dibromomethane	9.19	93	61891	20.131	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058947.D
 Acq On : 24 Oct 2019 9:49
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	127299	20.268	ug/l	99
42) Vinyl Acetate	5.87	43	1242972	103.754	ug/l	99
43) Ethyl Acetate	6.91	43	137215	20.437	ug/l #	93
44) Isopropyl Acetate	8.15	43	213098	19.595	ug/l #	87
45) 1,4-Dioxane	9.18	88	34476	412.846	ug/l	96
46) Methyl methacrylate	9.19	41	95474	19.123	ug/l	97
47) n-amyl Acetate	12.07	43	176085	18.265	ug/l	96
48) t-1,3-Dichloropropene	10.37	75	138759	19.049	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	147524	19.286	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	87716	19.986	ug/l	98
51) Ethyl methacrylate	10.42	69	129470	18.448	ug/l	97
52) 1,3-Dichloropropane	10.70	76	151879	19.431	ug/l	98
53) Dibromochloromethane	10.90	129	92705	19.682	ug/l	100
54) 1,2-Dibromoethane	11.00	107	89125	19.591	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	328043	93.969	ug/l	100
56) Bromoform	12.13	173	66347	20.221	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	690348	103.898	ug/l	98
59) 2-Hexanone	10.75	43	550745	105.728	ug/l	99
61) Tetrachloroethene	10.63	164	74732	18.987	ug/l	99
62) Toluene	10.15	91	372472	19.011	ug/l	100
64) Chlorobenzene	11.43	112	222209	18.551	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	83948	18.691	ug/l	99
66) Ethyl Benzene	11.51	91	393466	18.137	ug/l	99
67) m/p-Xylenes	11.62	106	293605	36.225	ug/l	97
68) o-Xylene	11.95	106	139049	17.697	ug/l	98
69) Styrene	11.96	104	228350	17.592	ug/l	99
70) Isopropylbenzene	12.25	105	386954	18.241	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	137363	19.234	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	181874	28.105	ug/l	59
73) Bromobenzene	12.53	156	94912	18.420	ug/l	98
74) n-propylbenzene	12.59	91	463686	18.674	ug/l	100
75) 2-Chlorotoluene	12.68	91	277340	18.564	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	328198	18.063	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	44993	18.251	ug/l	96
78) 4-Chlorotoluene	12.78	91	280937	18.245	ug/l	100
79) tert-butylbenzene	13.00	119	270637	17.435	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	328002	18.167	ug/l	100
81) sec-Butylbenzene	13.17	105	371816	17.798	ug/l	99
82) p-Isopropyltoluene	13.29	119	327938	17.481	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	168819	18.106	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	159939	17.174	ug/l	98
85) n-Butylbenzene	13.62	91	288157	16.778	ug/l	98
86) Hexachloroethane	13.88	117	63544	18.613	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	168048	18.257	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29644	18.649	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	88318	15.196	ug/l	99
90) Hexachlorobutadiene	15.01	225	52820	17.599	ug/l	98
91) Naphthalene	15.13	128	259320	15.112	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	92557	16.360	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
Data File : VN058947.D
Acq On : 24 Oct 2019 9:49
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 25 01:16:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

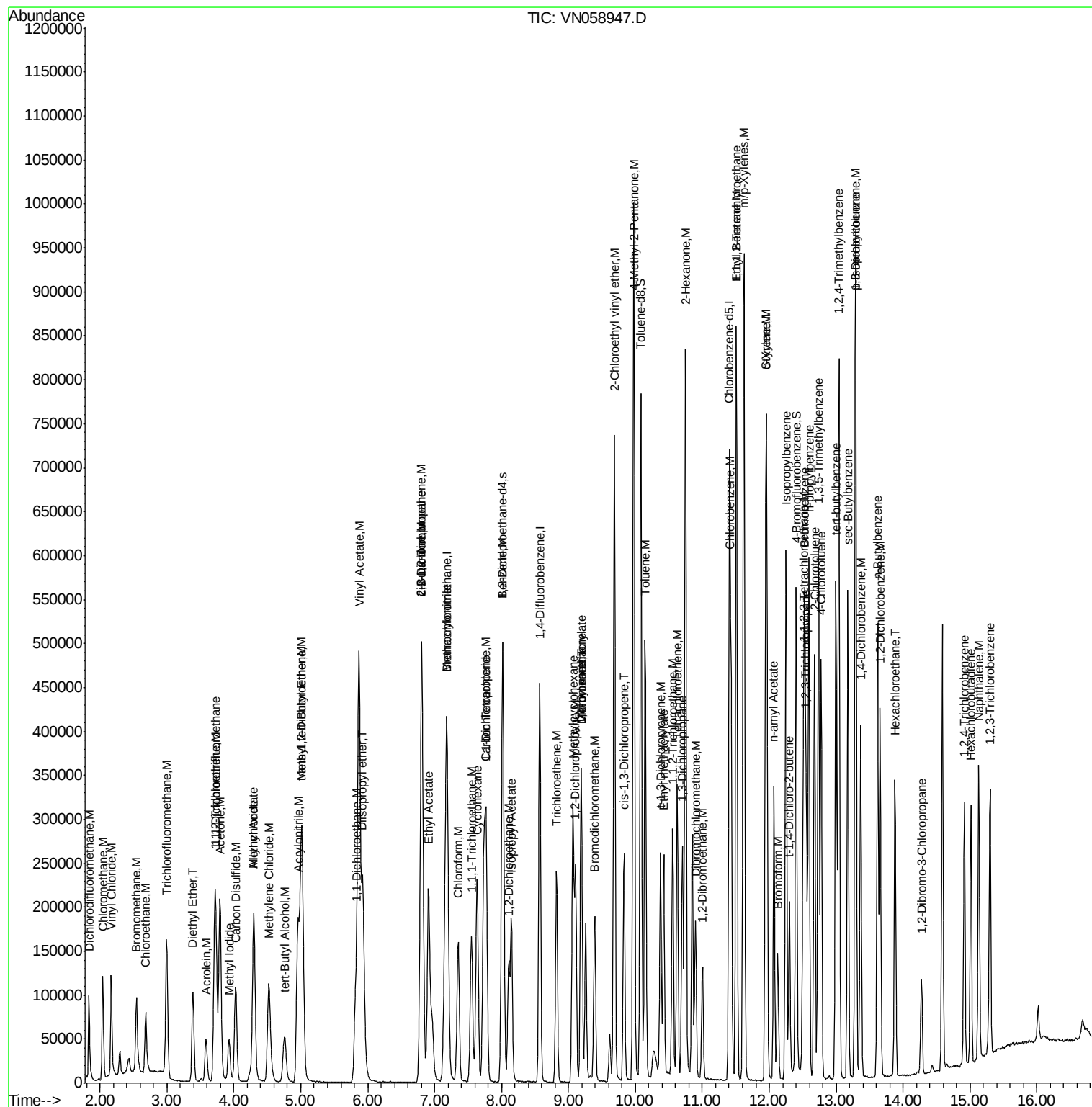
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

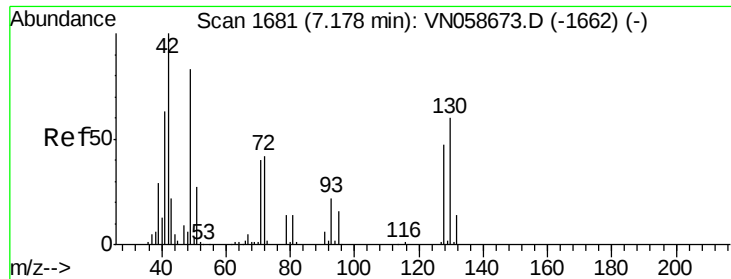
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
Data File : VN058947.D
Acq On : 24 Oct 2019 9:49
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 25 01:16:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampled :

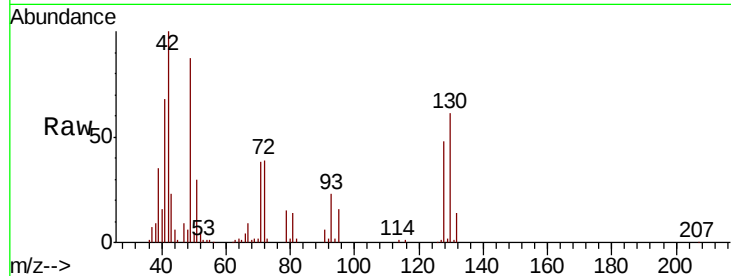
Tot Ion:128 Resp: 72751

Ion Ratio Lower Upper

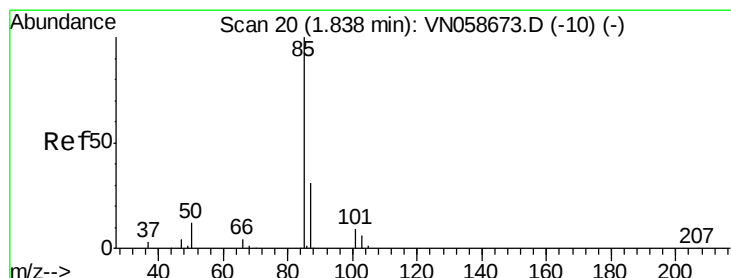
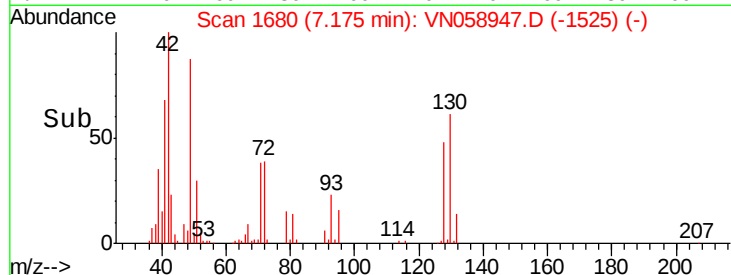
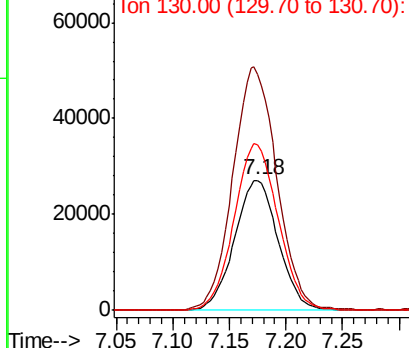
128 100

49 188.5 0.0 453.5

130 129.5 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.868 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058947.D

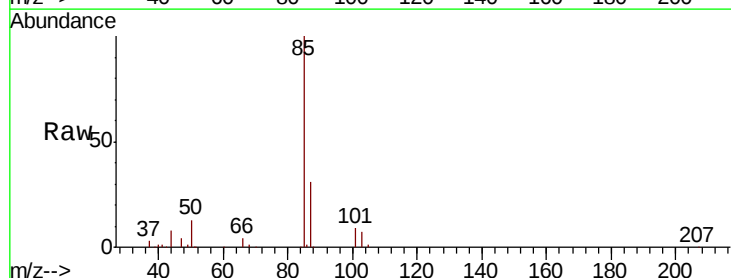
Acq: 24 Oct 2019 9:49

Tgt Ion: 85 Resp: 78314

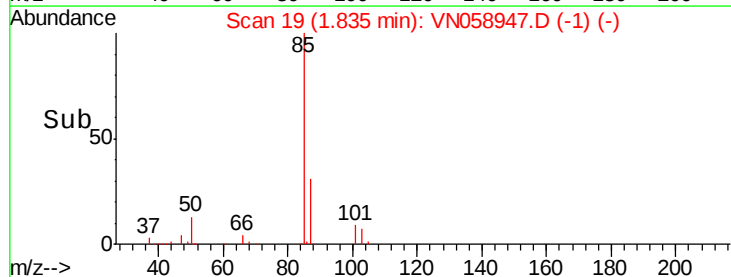
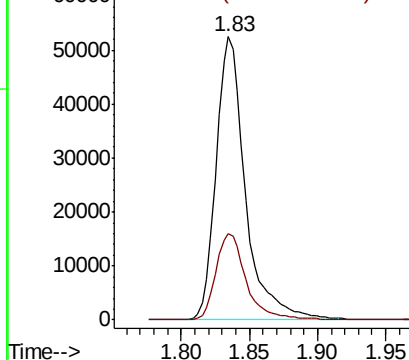
Ion Ratio Lower Upper

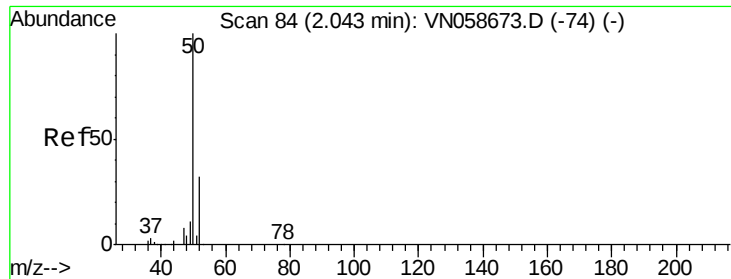
85 100

87 30.6 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 19.524 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

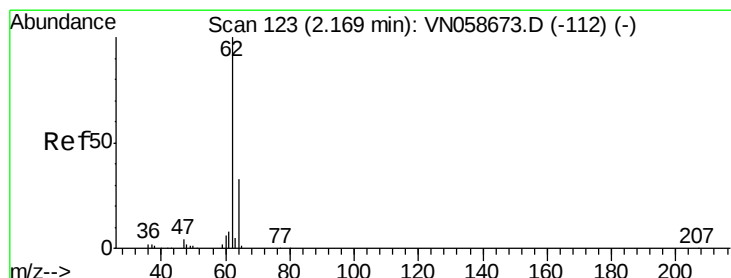
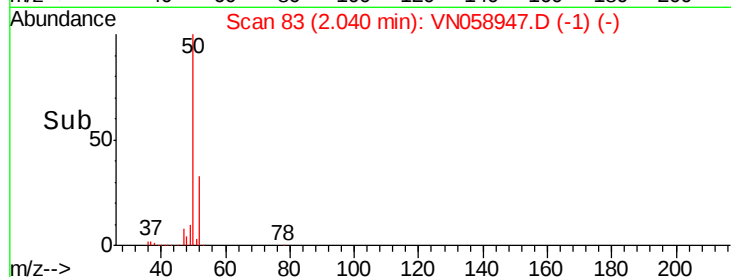
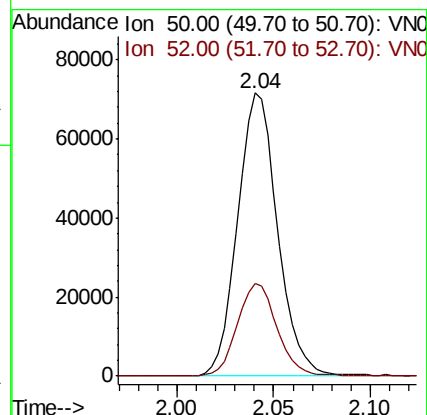
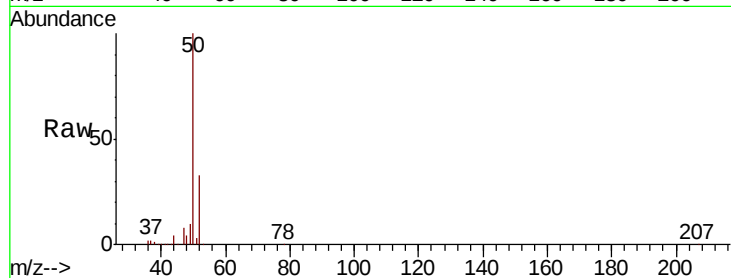
ClientSampled :

Tot Ion: 50 Resp: 102800

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058947.D

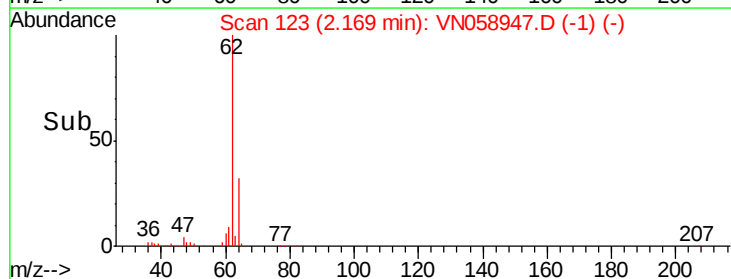
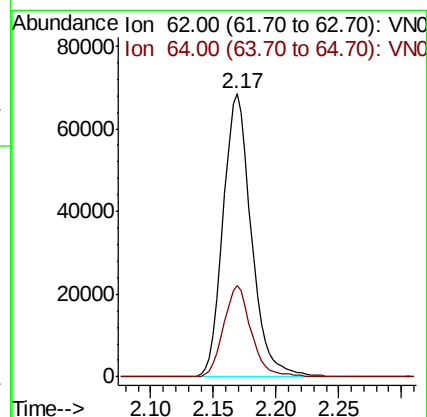
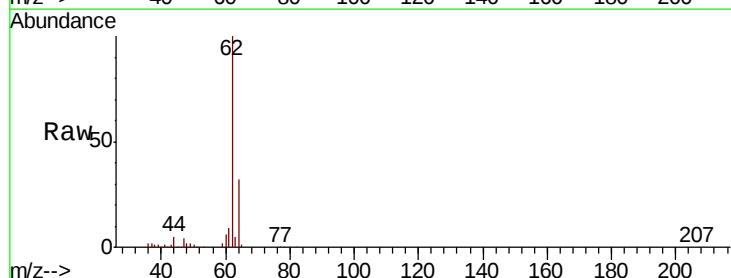
Acq: 24 Oct 2019 9:49

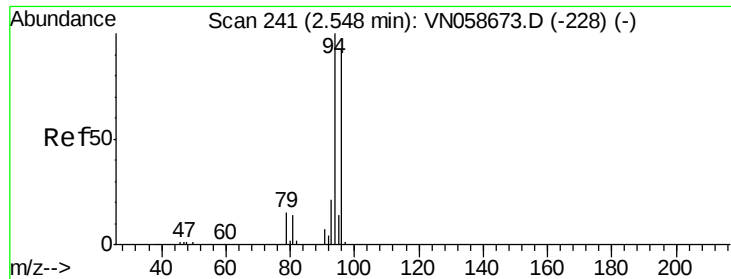
Tgt Ion: 62 Resp: 107476

Ion Ratio Lower Upper

62 100

64 32.4 26.1 39.1





#5

Bromomethane

Concen: 18.962 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

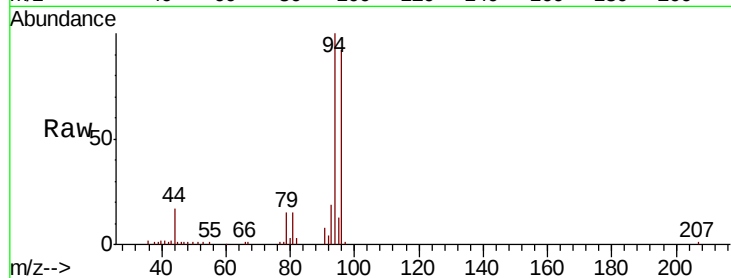
ClientSampled :

Tot Ion: 94 Resp: 63709

Ion Ratio Lower Upper

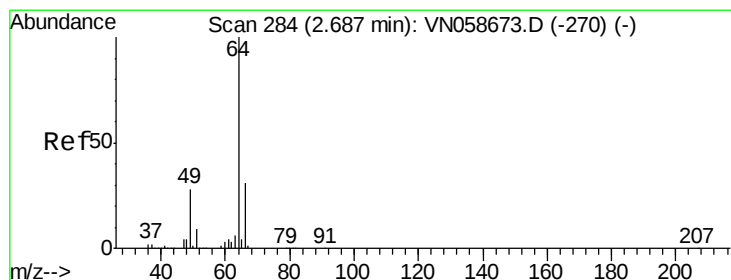
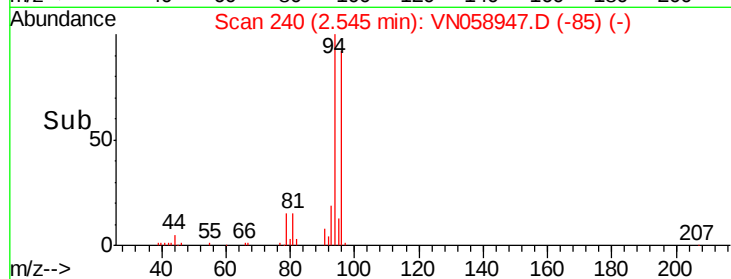
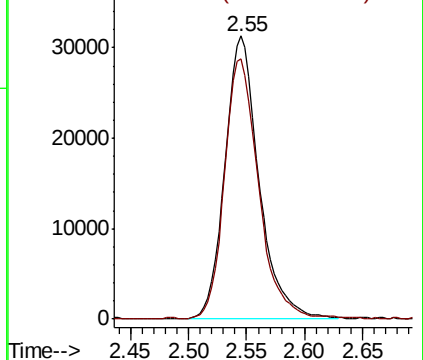
94 100

96 91.9 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.402 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058947.D

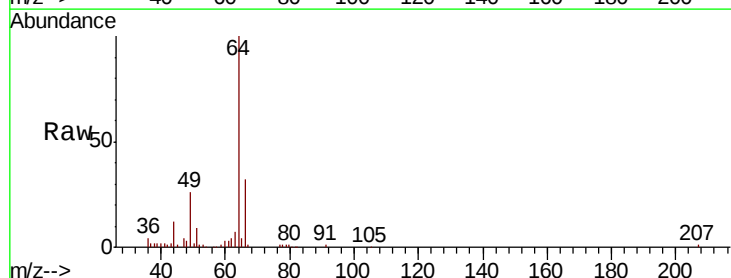
Acq: 24 Oct 2019 9:49

Tgt Ion: 64 Resp: 69786

Ion Ratio Lower Upper

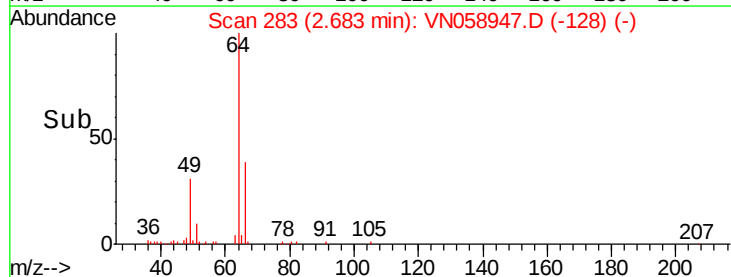
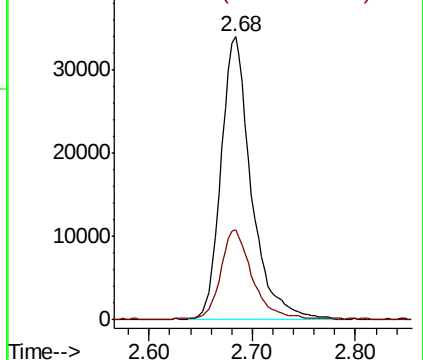
64 100

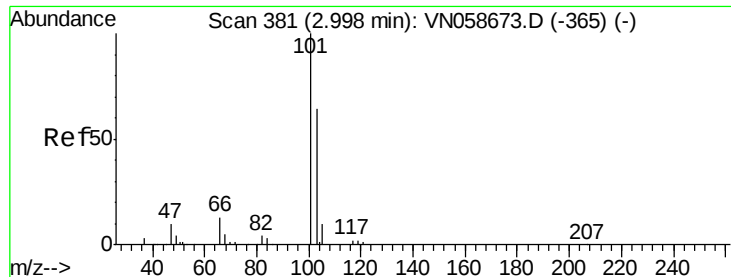
66 31.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



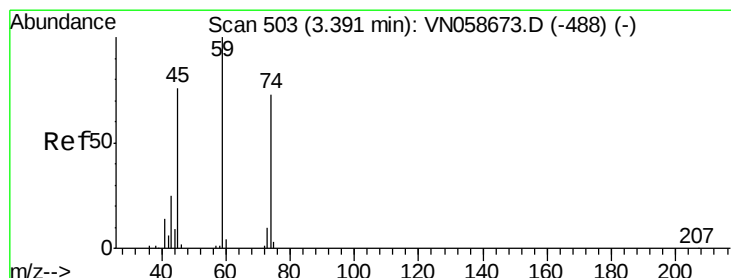
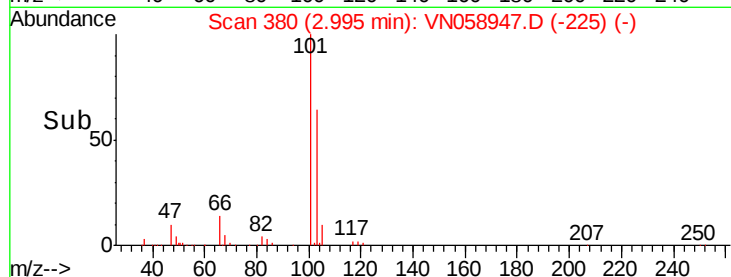
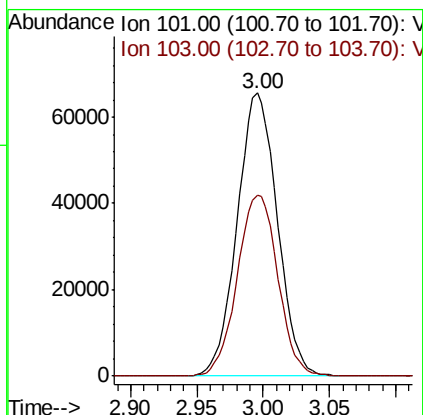
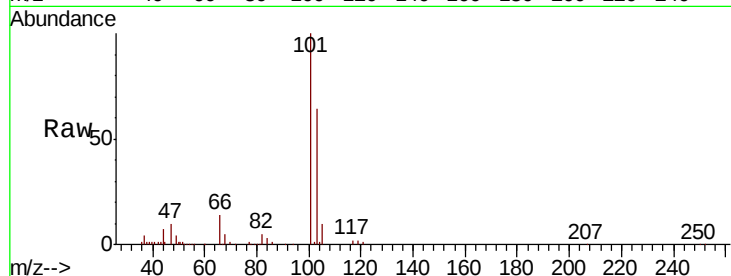


#7

Trichlorofluoromethane
 Concen: 20.645 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampled :

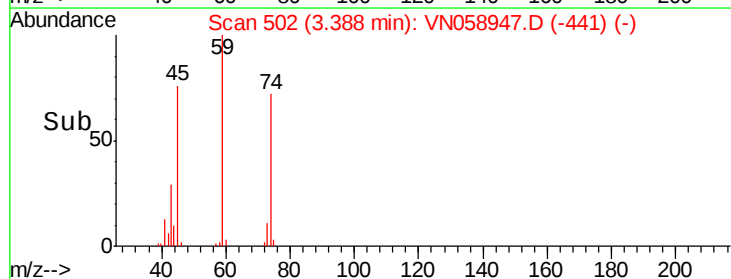
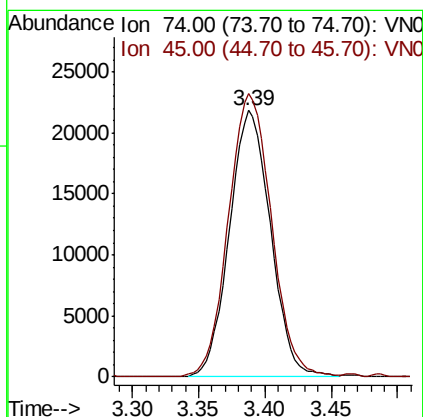
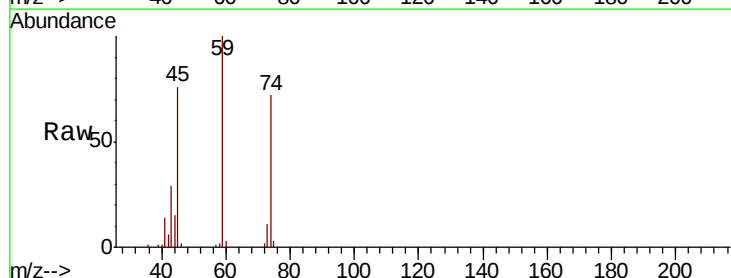
Tot Ion:101 Resp: 138281
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.5 77.3

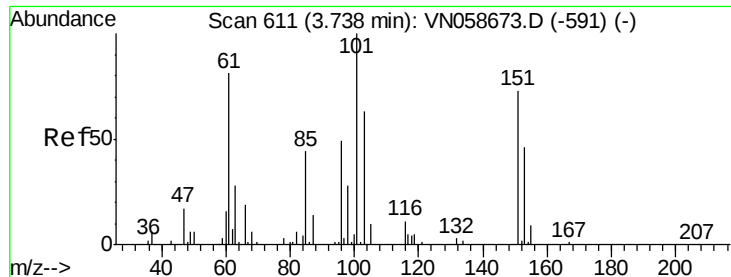


#8

Diethyl Ether
 Concen: 18.428 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion: 74 Resp: 47076
 Ion Ratio Lower Upper
 74 100
 45 111.3 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.759 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampled :

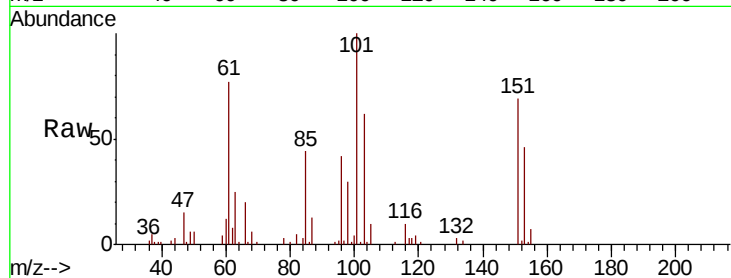
Tot Ion:101 Resp: 76580

Ion Ratio Lower Upper

101 100

85 44.2 0.0 93.8

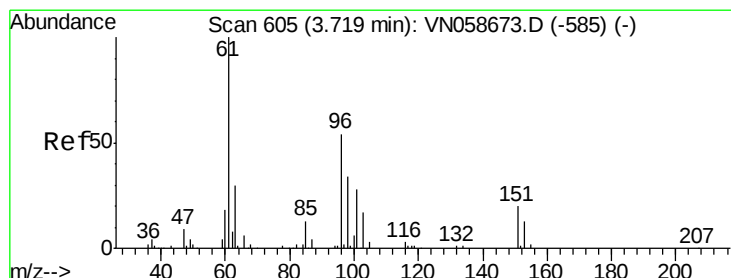
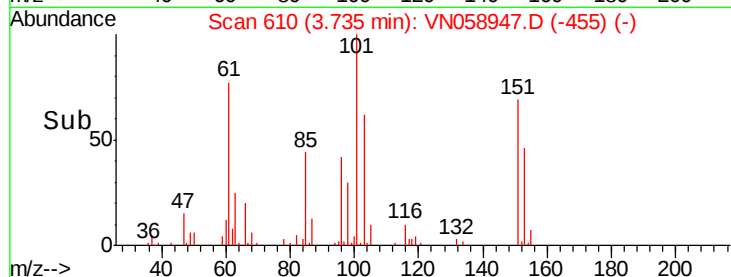
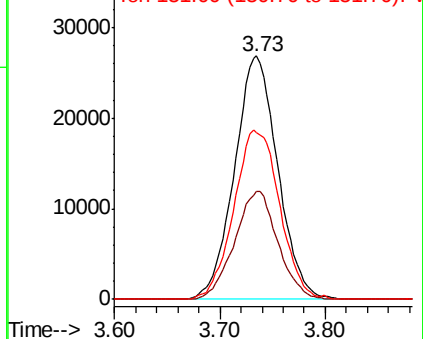
151 73.4 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.394 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

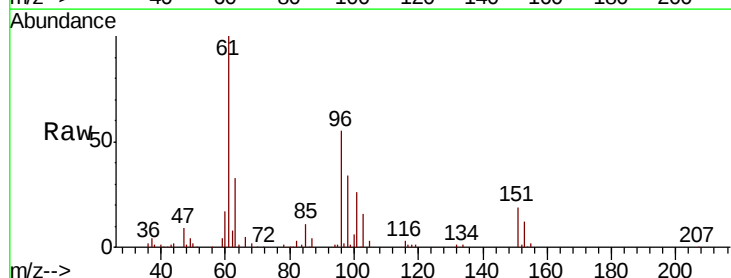
Tgt Ion: 96 Resp: 70016

Ion Ratio Lower Upper

96 100

61 183.2 148.5 222.7

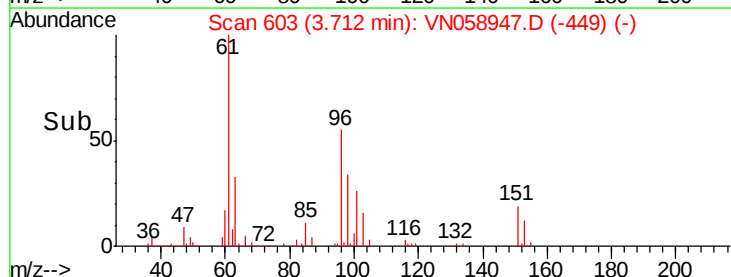
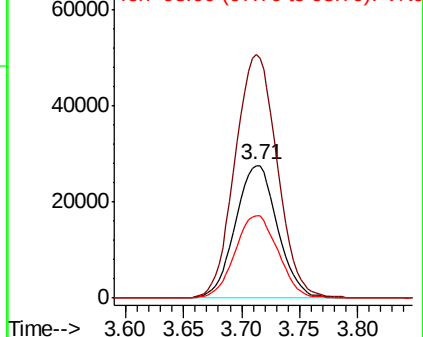
98 62.3 51.0 76.6

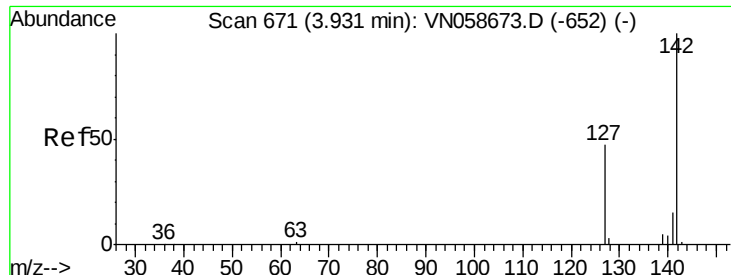


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

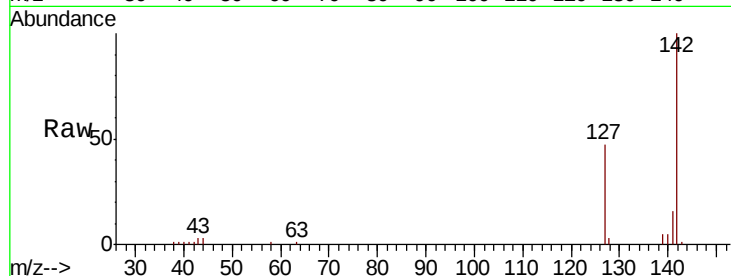




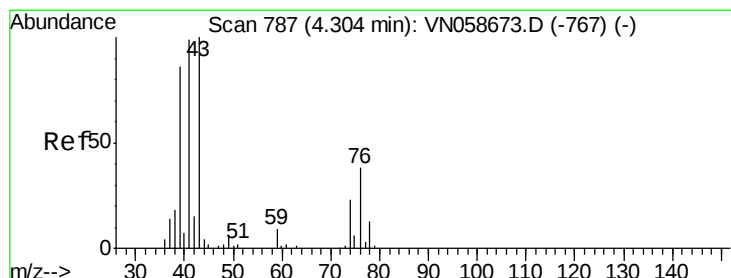
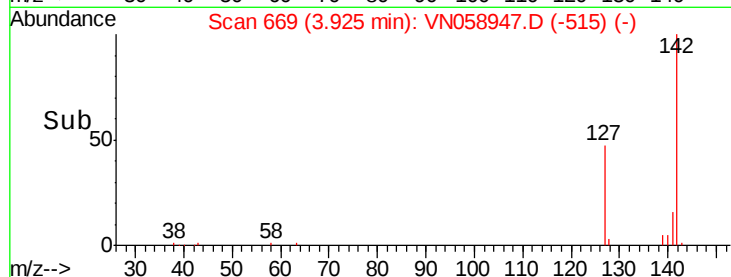
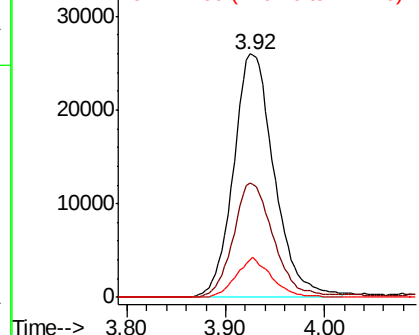
#11
Methvl Iodide
Concen: 14.093 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 74708
Ion Ratio Lower Upper
142 100
127 47.0 23.5 70.6
141 15.8 7.4 22.2

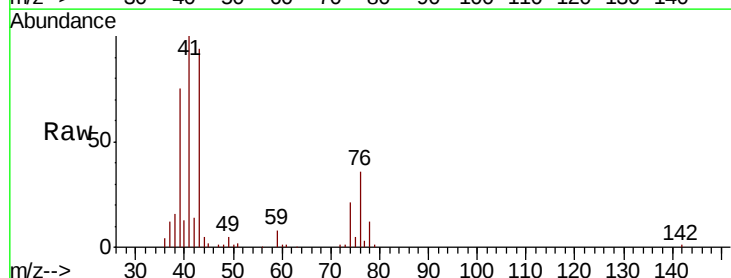


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

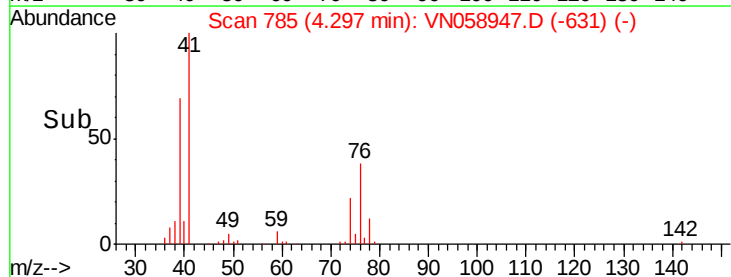
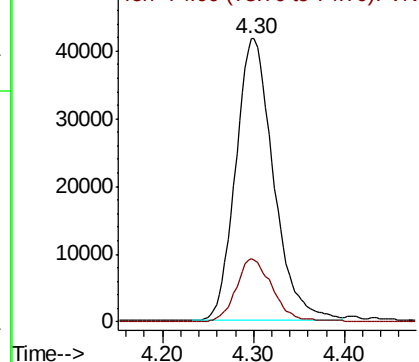


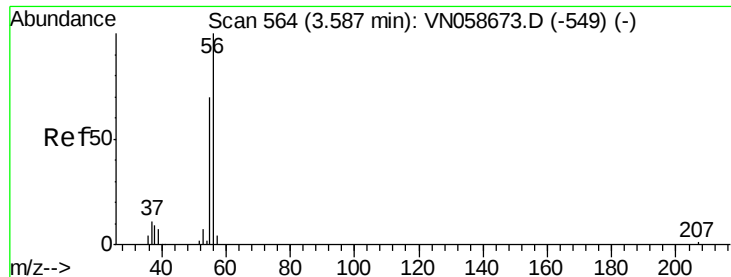
#12
Methyl Acetate
Concen: 19.780 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 43 Resp: 120464
Ion Ratio Lower Upper
43 100
74 22.4 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 77.128 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

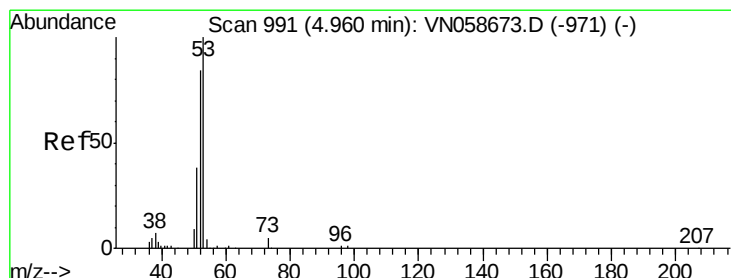
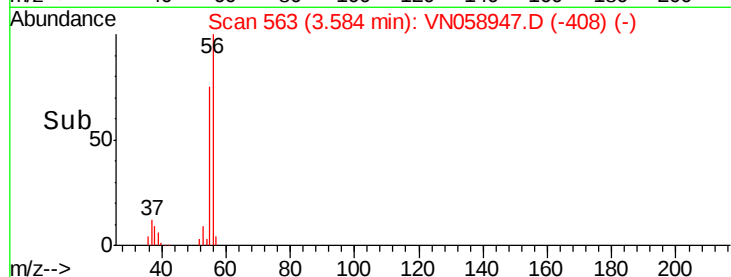
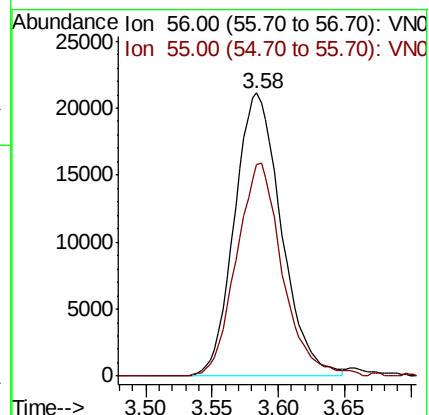
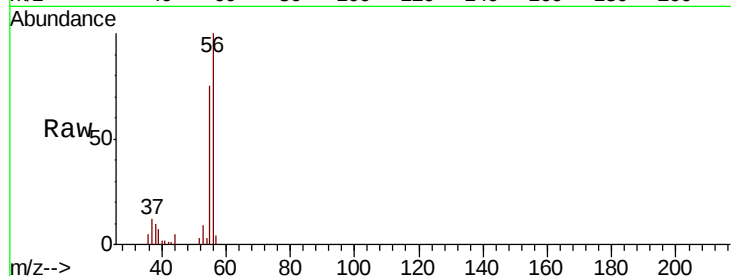
ClientSampleId :

Tot Ion: 56 Resp: 51900

Ion Ratio Lower Upper

56 100

55 73.9 55.9 83.9



#14

Acrylonitrile

Concen: 98.500 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

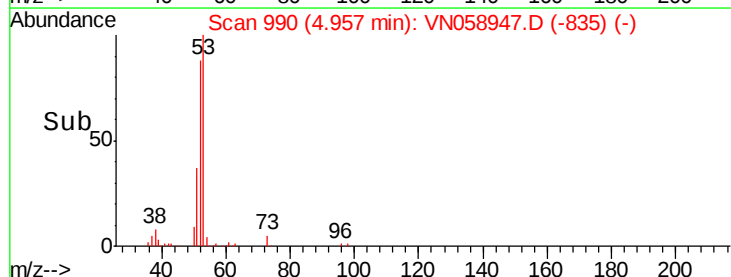
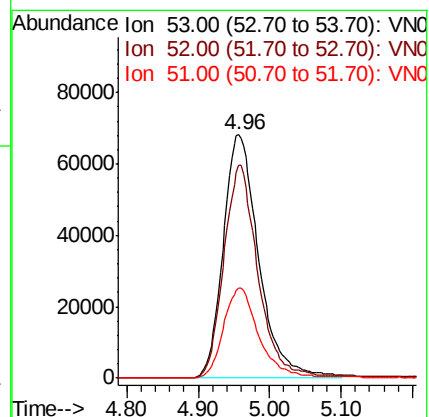
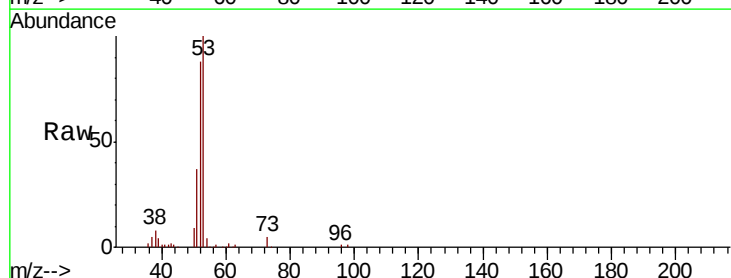
Tgt Ion: 53 Resp: 236365

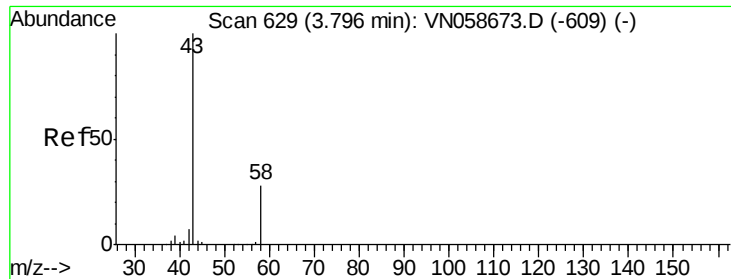
Ion Ratio Lower Upper

53 100

52 83.5 42.2 126.6

51 36.4 18.8 56.4





#15

Acetone

Concen: 137.744 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

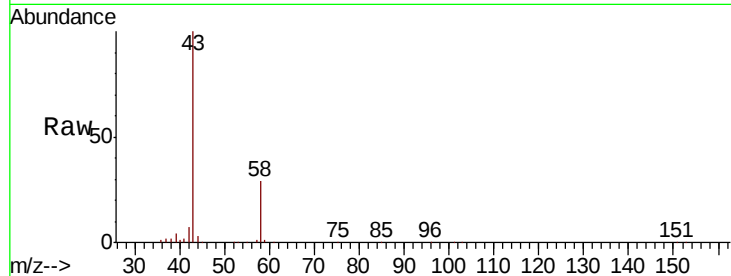
ClientSampleId :

Tot Ion: 58 Resp: 98116

Ion Ratio Lower Upper

58 100

43 347.7 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN058673.D (-609) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-609) (-)

150000

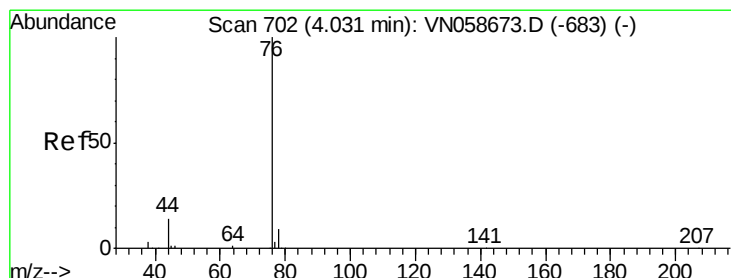
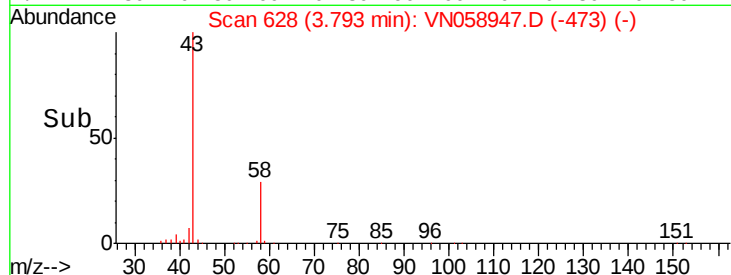
100000

50000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 19.107 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058947.D

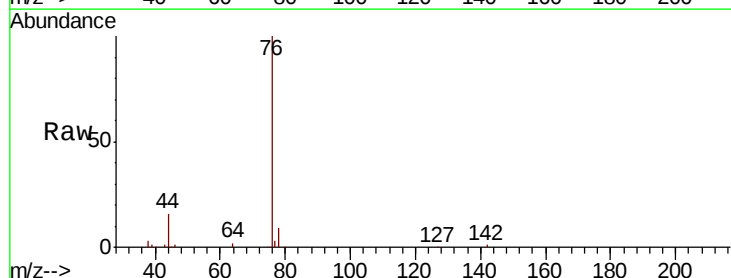
Acq: 24 Oct 2019 9:49

Tgt Ion: 76 Resp: 212134

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-683) (-)

80000

60000

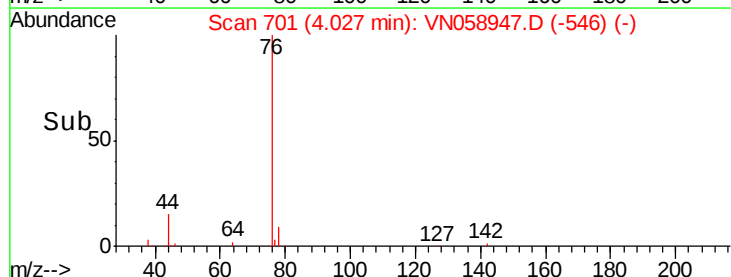
40000

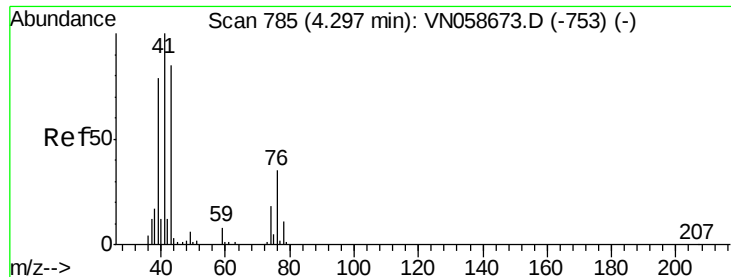
20000

0

3.90 4.00 4.10

Time-->

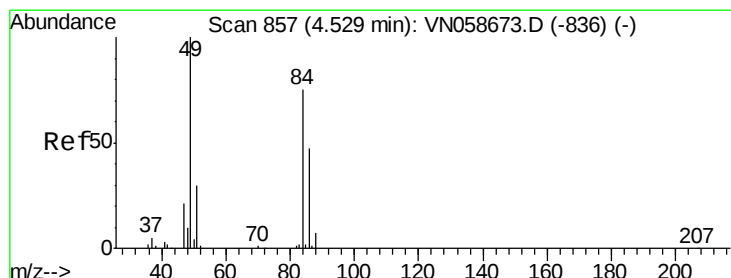
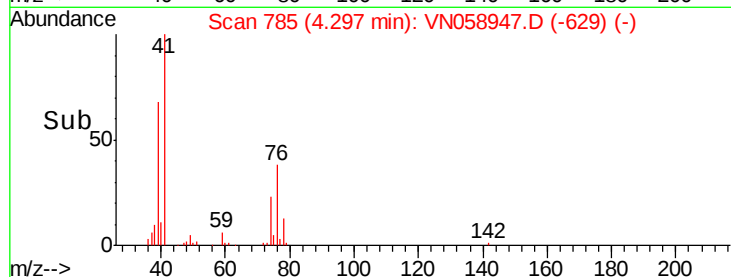
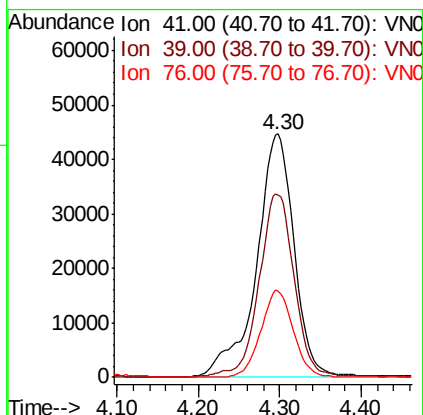
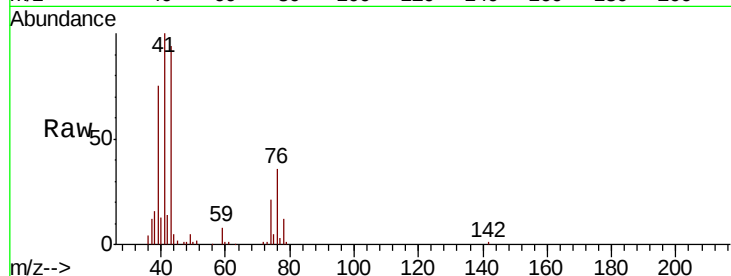




#17
Allvl chloride
Concen: 18.998 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

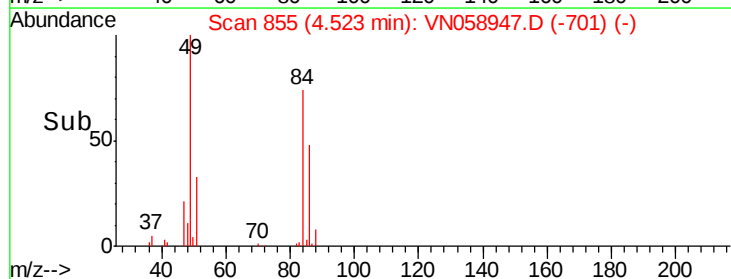
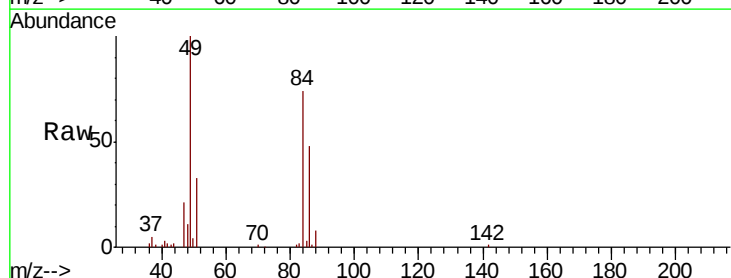
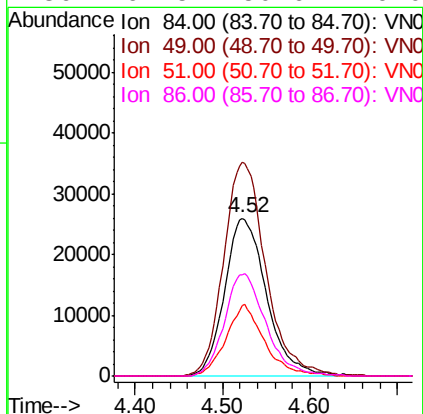
Instrument :
MSVOA_N
ClientSampleId :

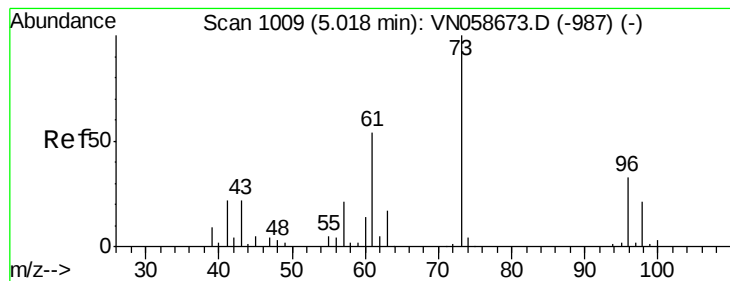
Tot Ion: 41 Resp: 143933
Ion Ratio Lower Upper
41 100
39 75.0 39.6 118.8
76 35.5 17.6 52.9



#18
Methylene Chloride
Concen: 18.759 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 84 Resp: 86468
Ion Ratio Lower Upper
84 100
49 134.4 106.6 160.0
51 44.5 32.4 48.6
86 64.5 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 18.610 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampled :

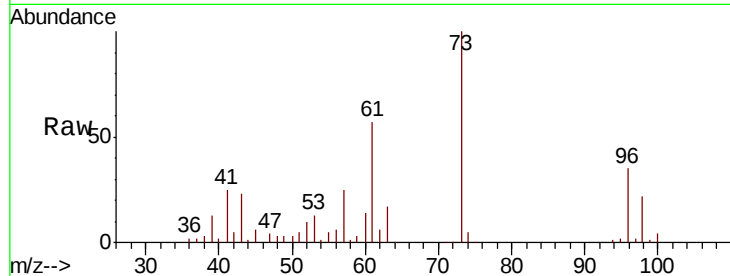
Tot Ion: 96 Resp: 77117

Ion Ratio Lower Upper

96 100

61 163.5 131.8 197.6

98 63.8 52.6 79.0

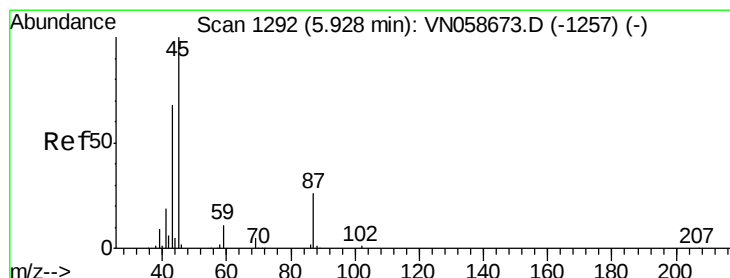
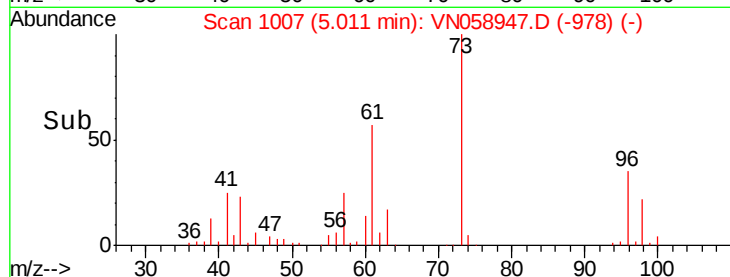
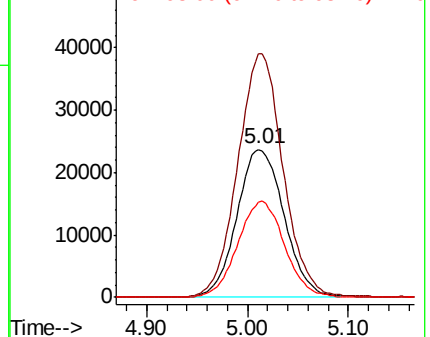


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.388 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion: 45 Resp: 299270

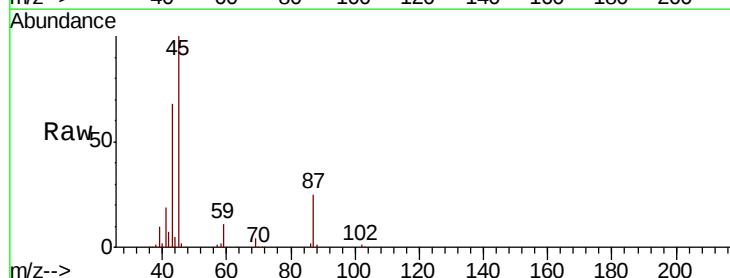
Ion Ratio Lower Upper

45 100

43 66.2 54.7 82.1

87 24.8 21.5 32.3

59 10.9 8.7 13.1



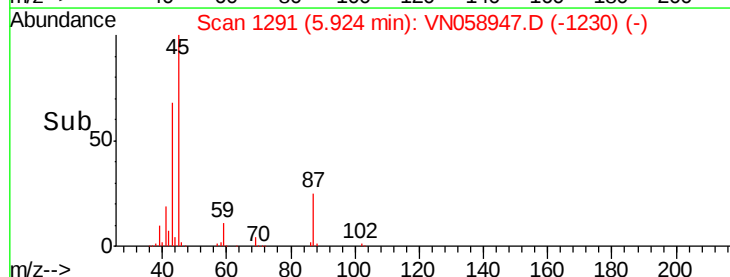
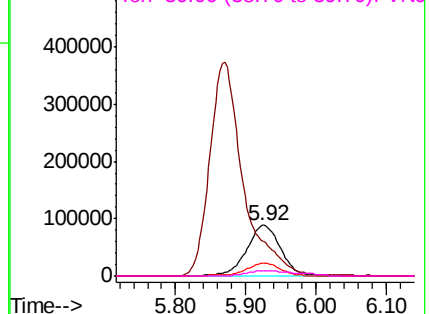
Abundance

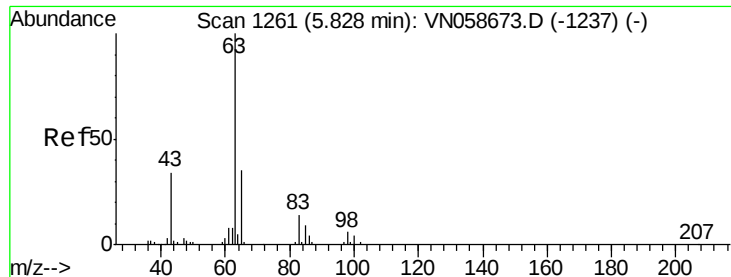
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.293 ug/l

RT: 5.82 min Scan# 1259

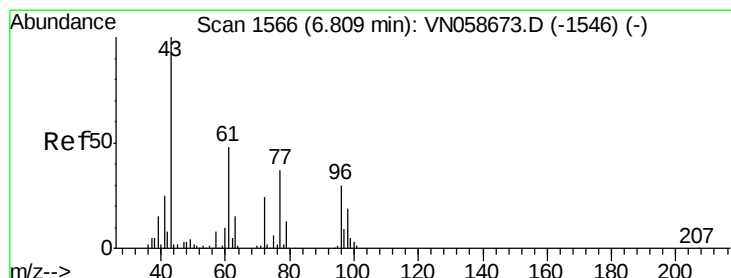
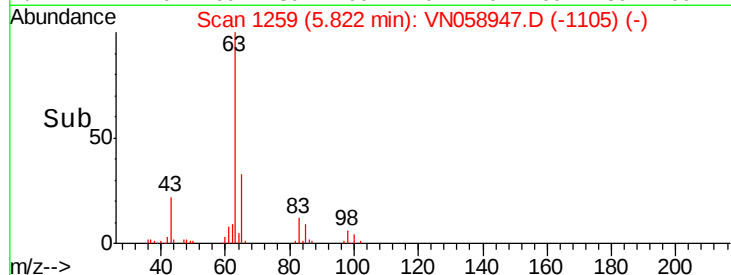
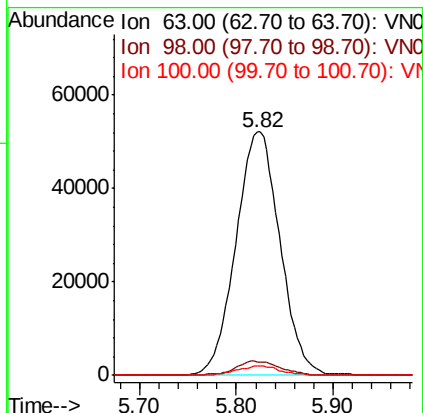
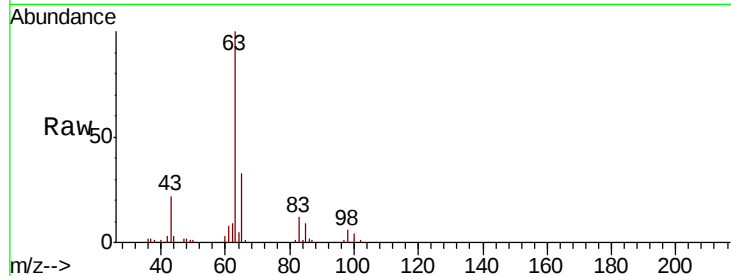
Delta R.T. -0.01 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	63	Resp:	164907
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.9	8.6
100	3.8	1.8	5.5



#22

cis-1,2-Dichloroethene

Concen: 18.633 ug/l

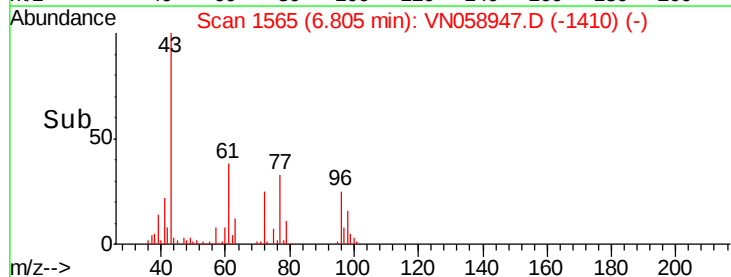
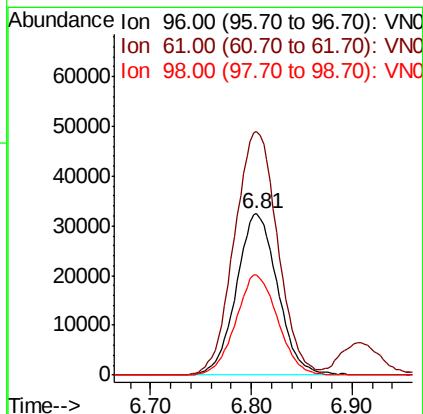
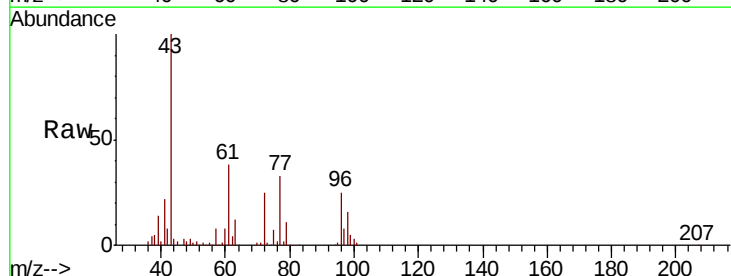
RT: 6.81 min Scan# 1565

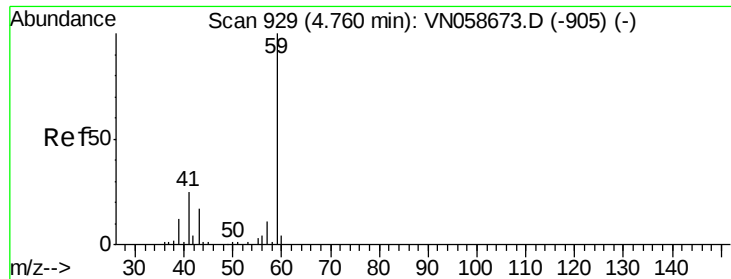
Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Tgt Ion:	96	Resp:	92062
Ion	Ratio	Lower	Upper
96	100		
61	158.3	127.2	190.8
98	63.0	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 95.316 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

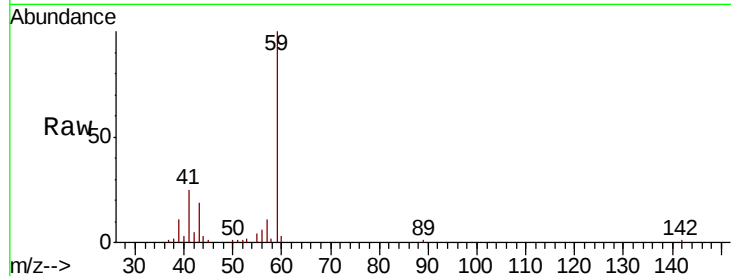
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 93555

Ion Ratio Lower Upper

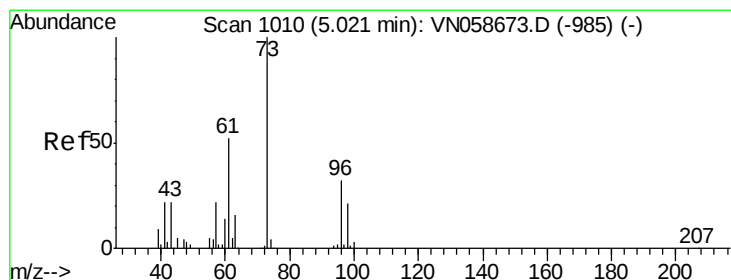
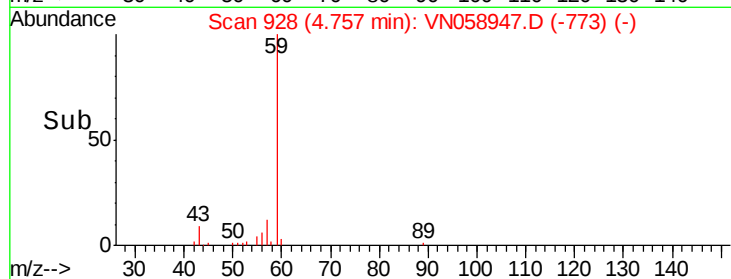
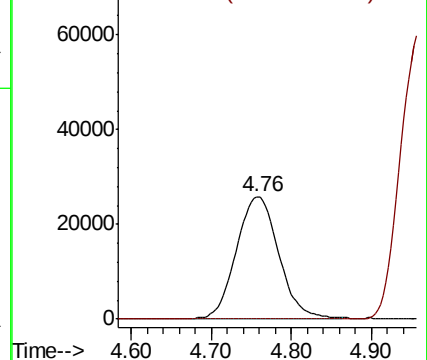
59 100

52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN058673.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN058673.D (-905) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.272 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058947.D

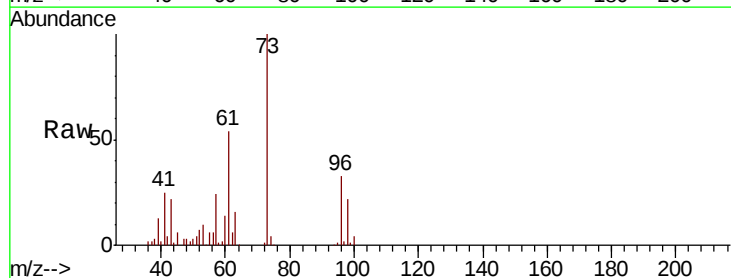
Acq: 24 Oct 2019 9:49

Tgt Ion: 73 Resp: 259478

Ion Ratio Lower Upper

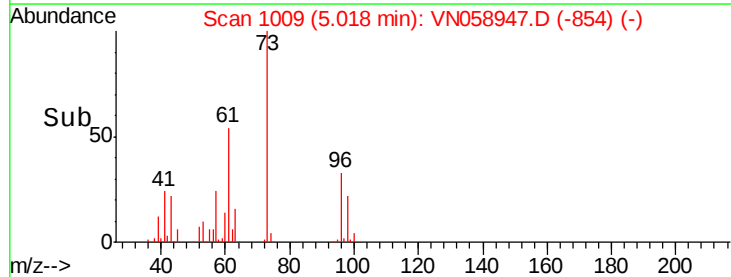
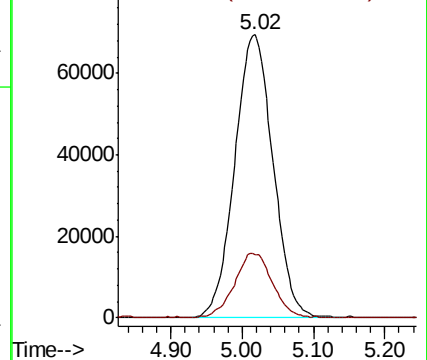
73 100

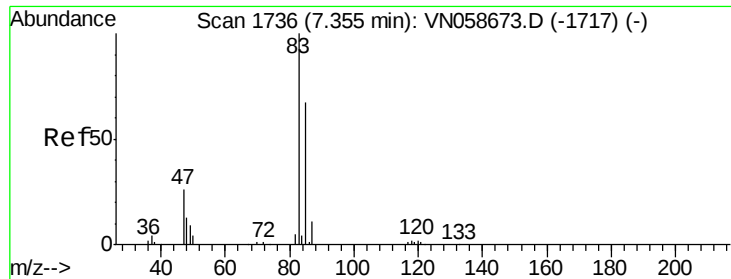
43 12.1 17.9 26.9#



Abundance Ion 73.00 (72.70 to 73.70): VN058673.D (-985) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-985) (-)





#25

Chloroform

Concen: 19.007 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

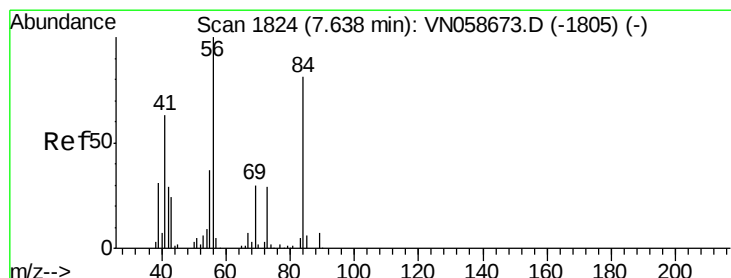
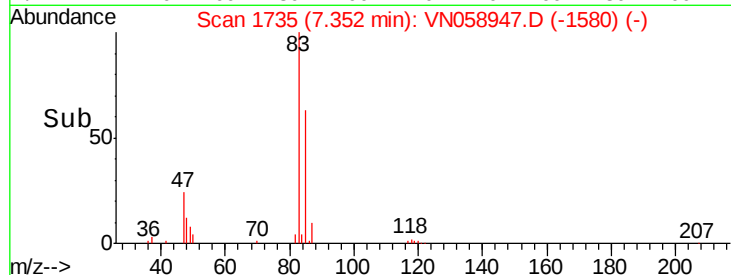
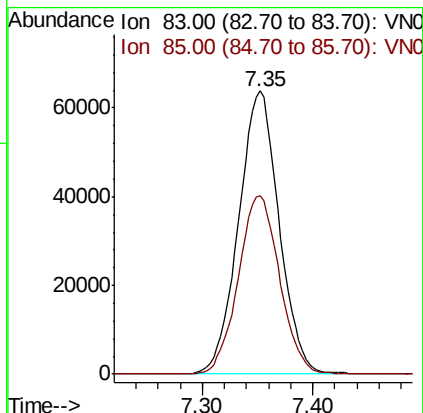
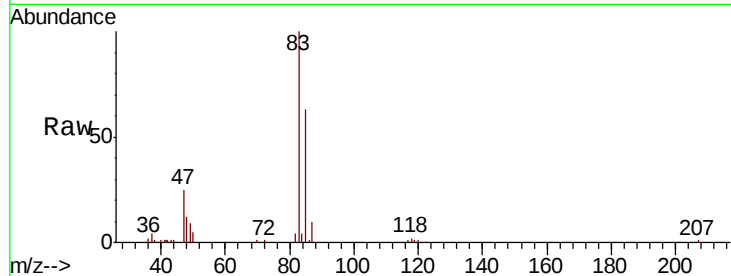
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 162037

Ion Ratio Lower Upper

83 100

85 62.9 53.8 80.8



#26

Cyclohexane

Concen: 17.734 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

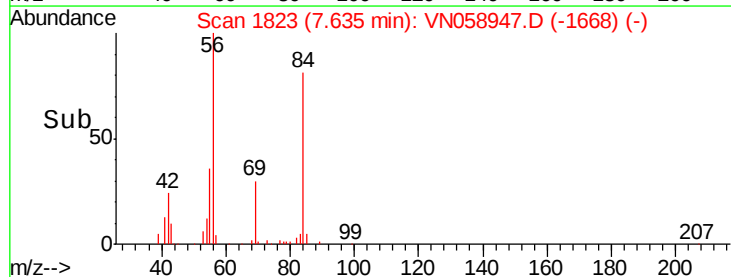
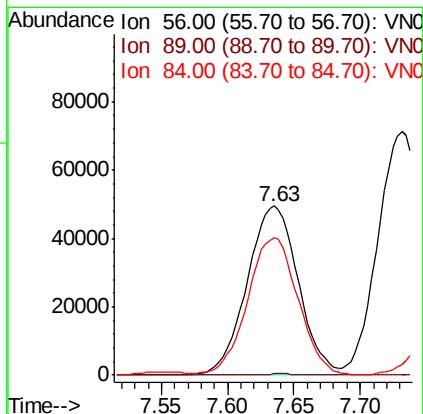
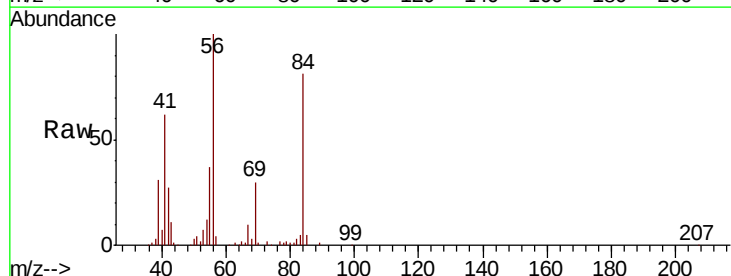
Tgt Ion: 56 Resp: 133051

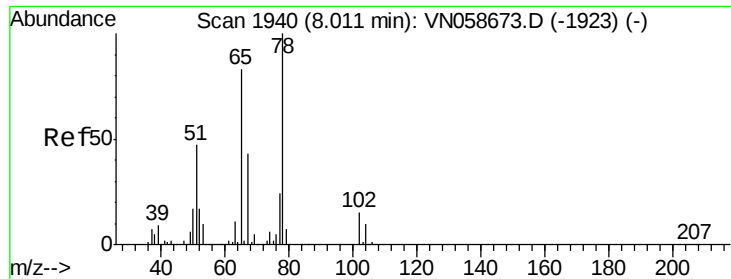
Ion Ratio Lower Upper

56 100

89 0.3 6.2 9.2#

84 80.5 65.6 98.4

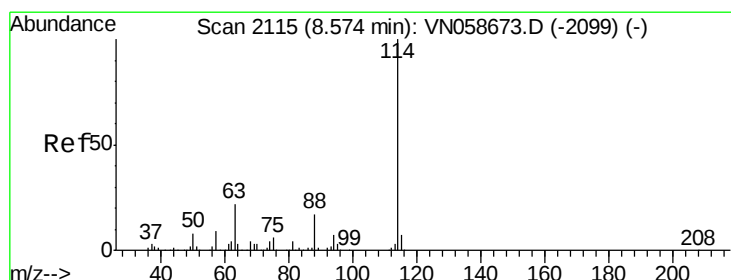
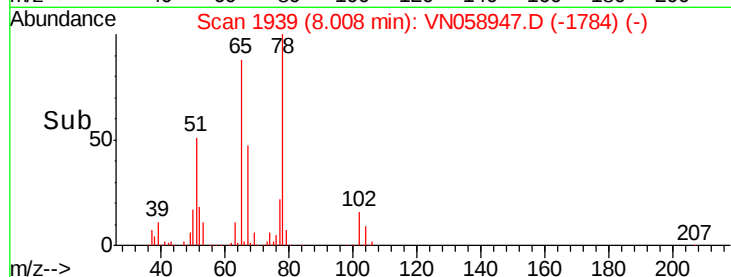
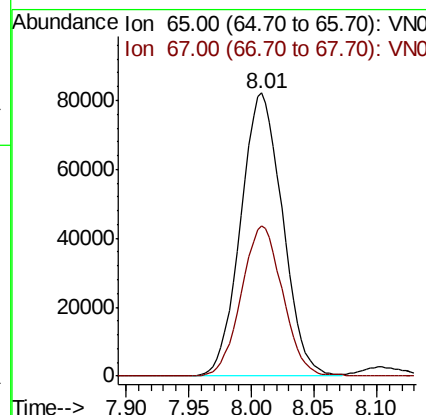
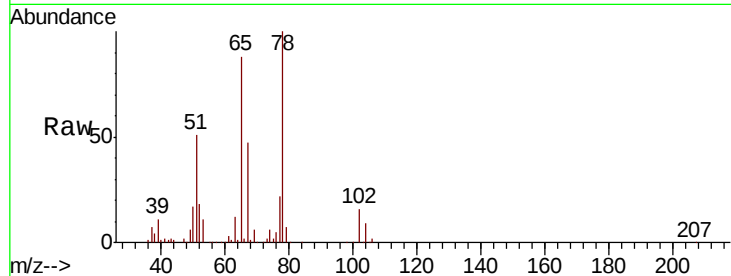




#27
 1,2-Dichloroethane-d4
 Concen: 30.901 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

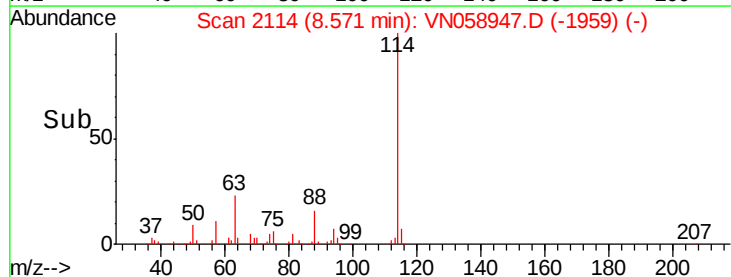
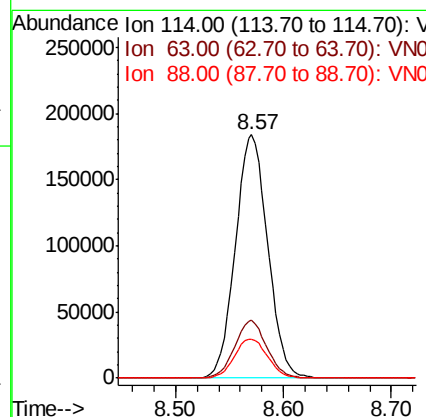
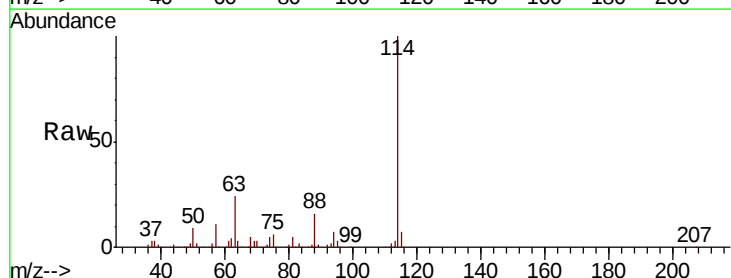
Instrument :
 MSVOA_N
 ClientSampleId :

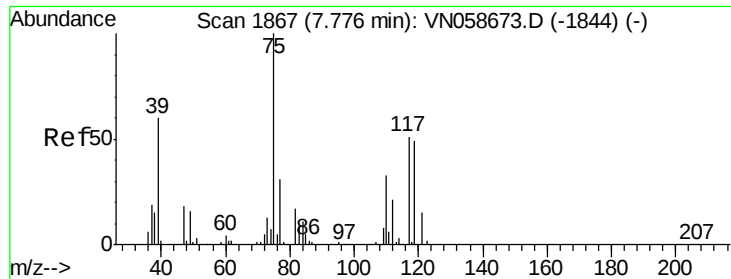
Tot Ion: 65 Resp: 190802
 Ion Ratio Lower Upper
 65 100
 67 52.1 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion: 114 Resp: 384541
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.1 27.1
 88 16.4 13.0 19.4

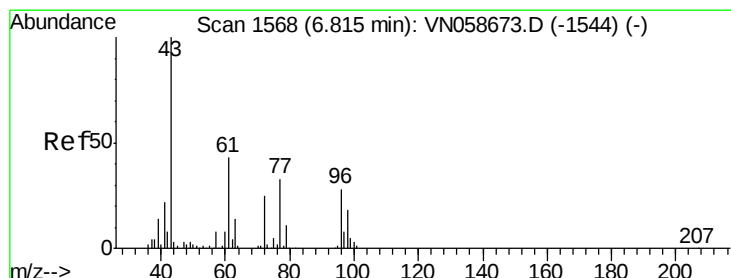
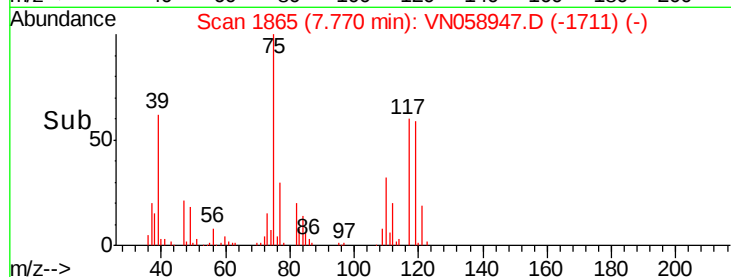
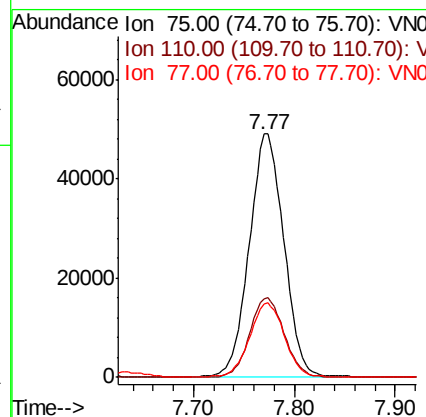
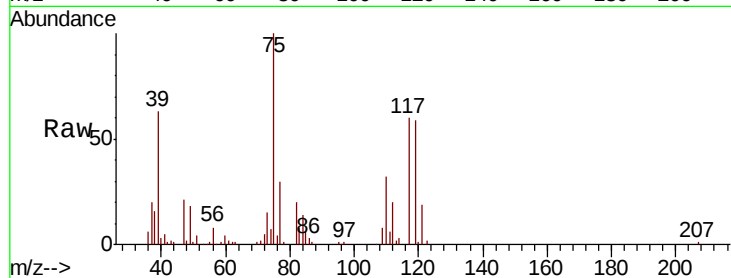




#29
 1,1-Dichloropropene
 Concen: 19.286 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

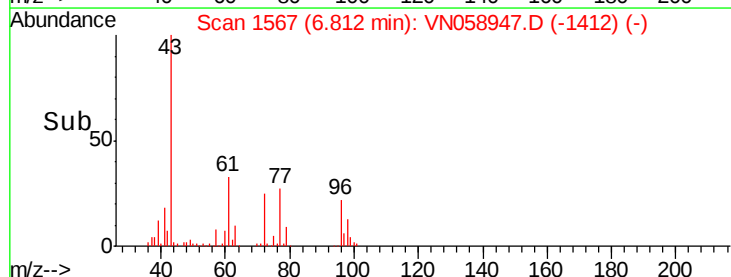
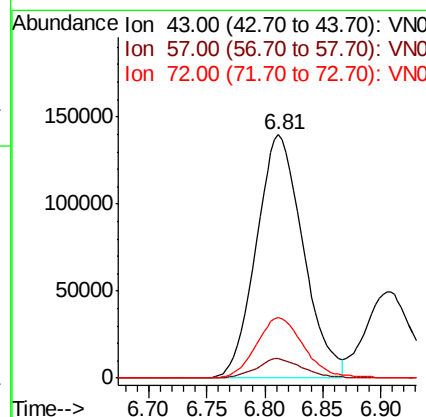
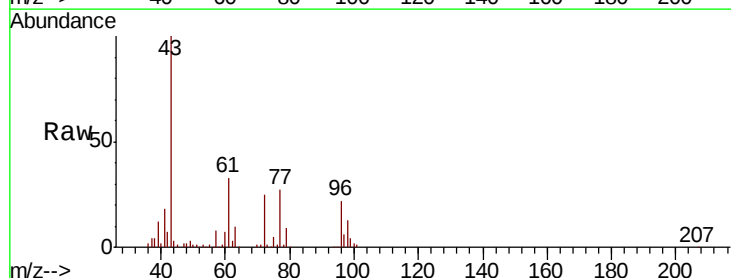
Instrument :
 MSVOA_N
 ClientSampled :

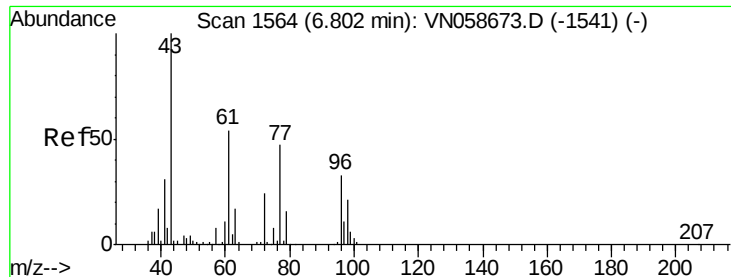
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	64.6
77	30.9	0.0	60.8



#30
 2-Butanone
 Concen: 114.501 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	25.3	20.1	30.1





#31

2,2-Dichloropropane

Concen: 20.009 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

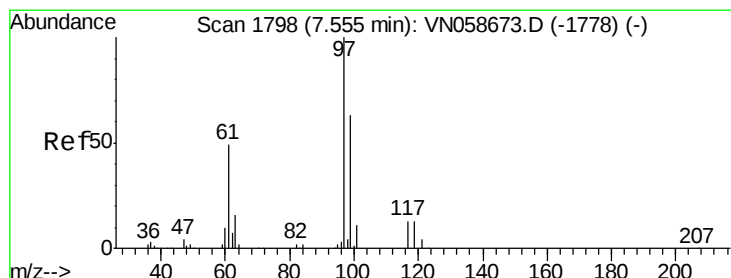
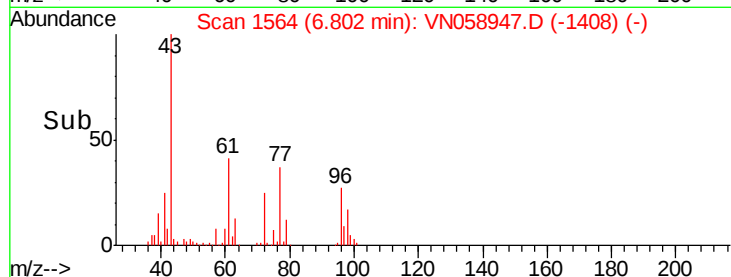
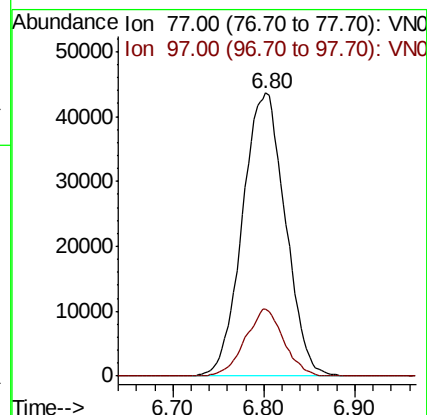
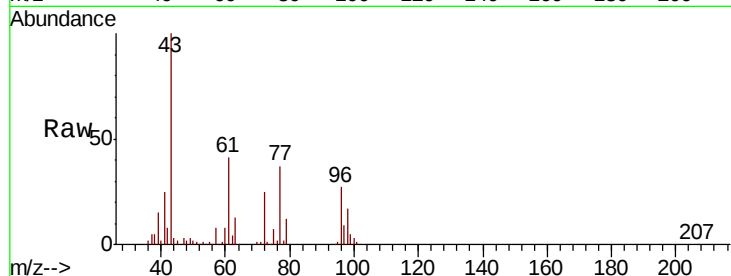
ClientSampleId :

Tot Ion: 77 Resp: 142755

Ion Ratio Lower Upper

77 100

97 21.2 17.9 26.9



#32

1,1,1-Trichloroethane

Concen: 19.951 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

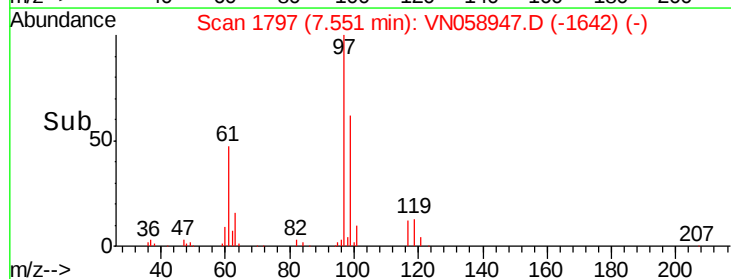
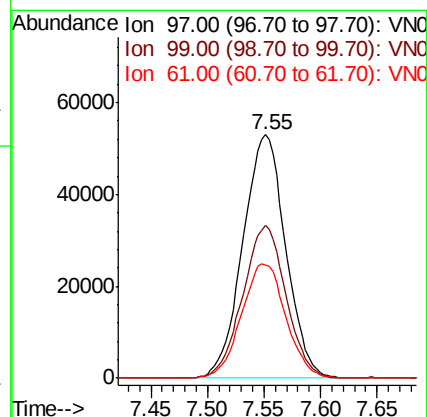
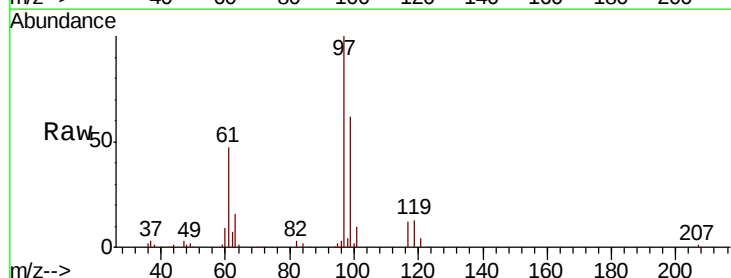
Tgt Ion: 97 Resp: 139676

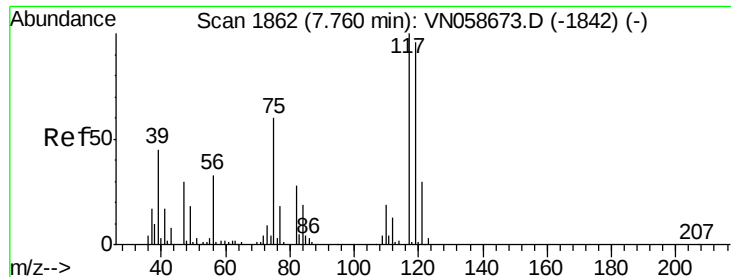
Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 48.6 38.4 57.6

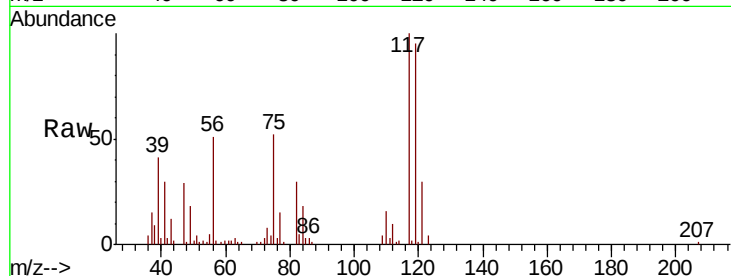




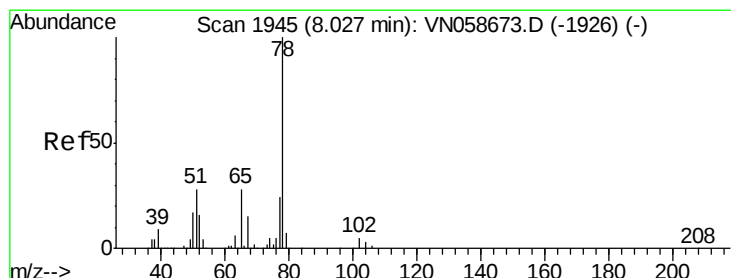
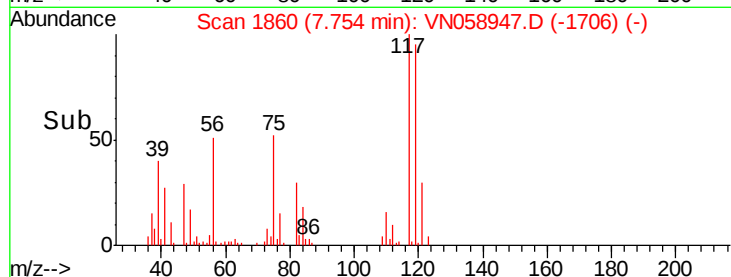
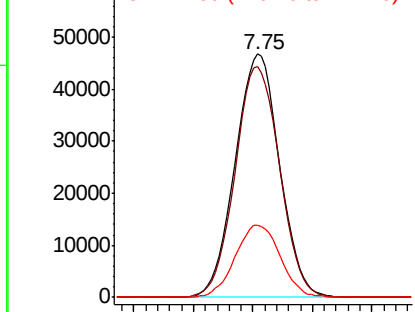
#33
Carbon Tetrachloride
Concen: 19.932 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 120790
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3
121 29.8 23.8 35.8

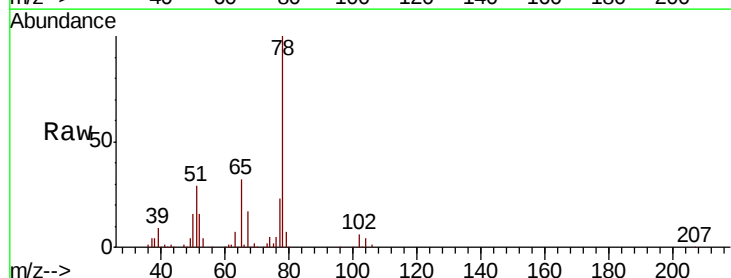


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

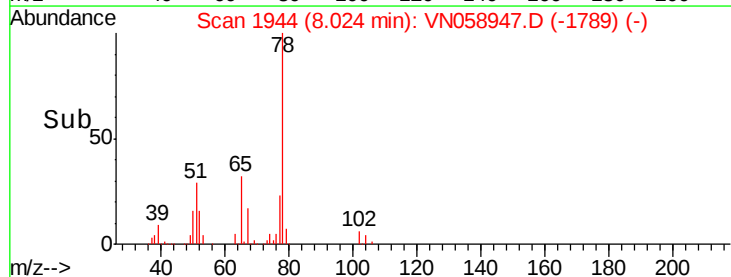
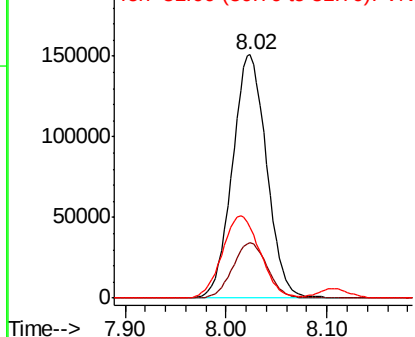


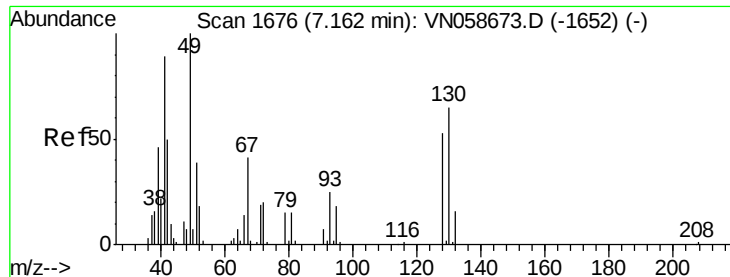
#34
Benzene
Concen: 19.919 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 78 Resp: 354978
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8
51 28.8 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

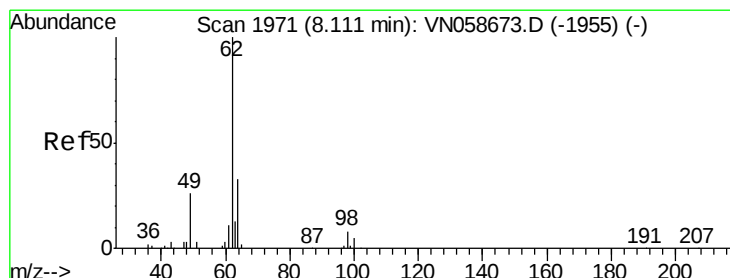
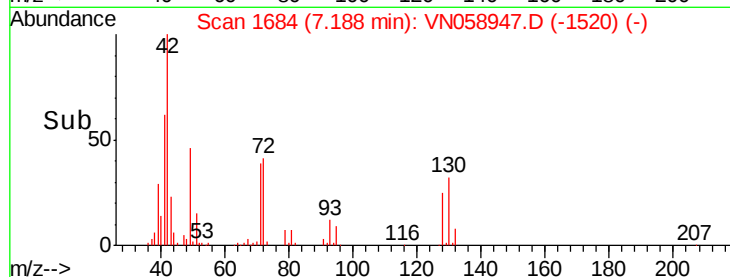
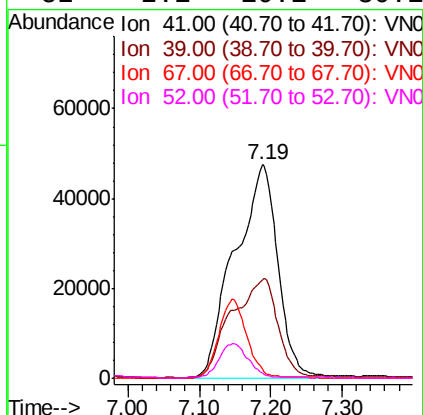
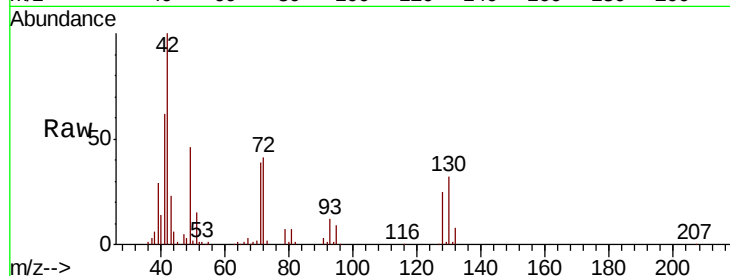




#35
Methacrylonitrile
Concen: 66.110 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

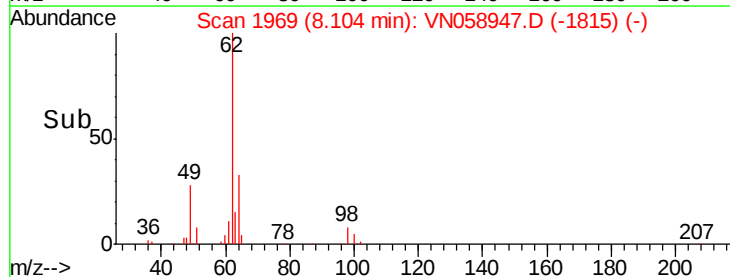
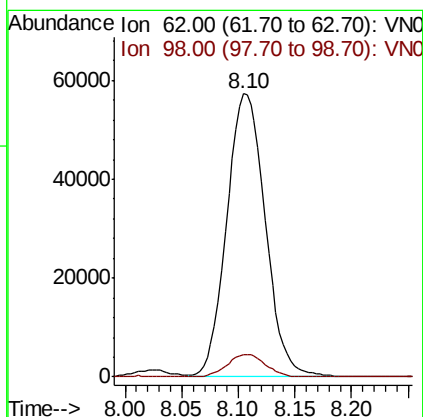
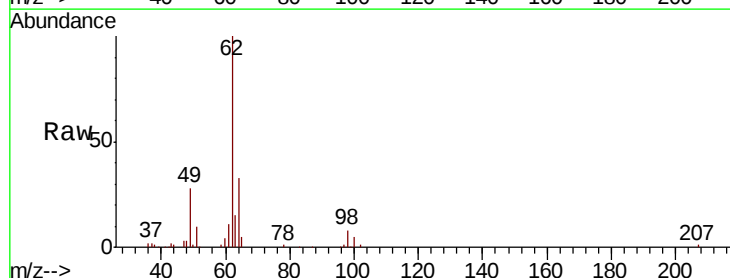
Instrument :
MSVOA_N
ClientSampleId :

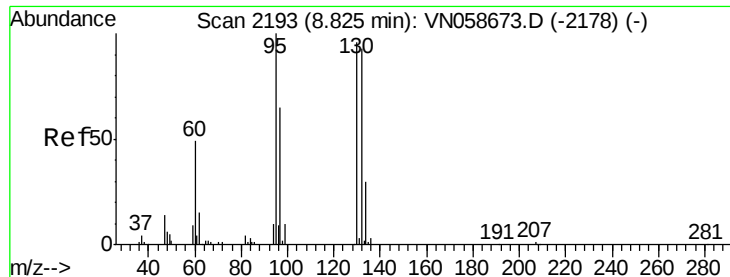
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.9	25.8	77.4
67	4.5	23.0	69.0#
52	2.1	10.1	30.1#



#36
1,2-Dichloroethane
Concen: 20.028 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.4	9.6

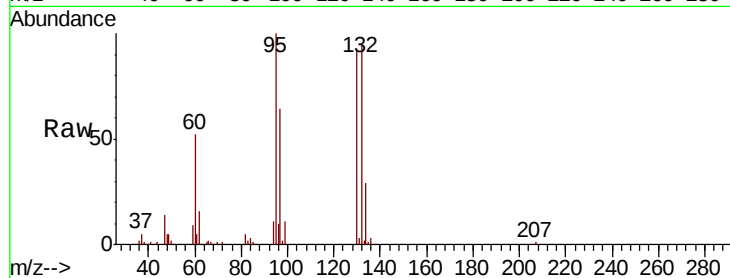




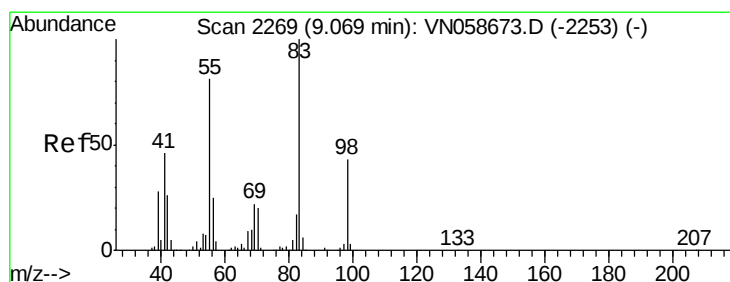
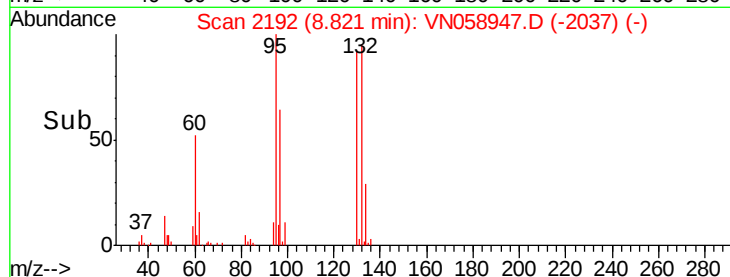
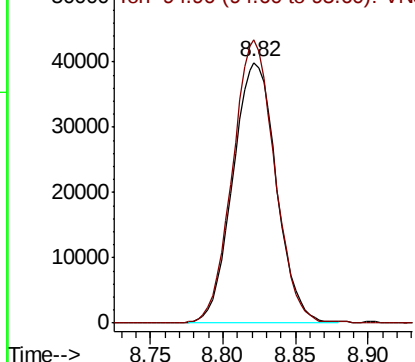
#37
 Trichloroethene
 Concen: 19.056 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 83427
 Ion Ratio Lower Upper
 130 100
 95 108.2 83.2 124.8

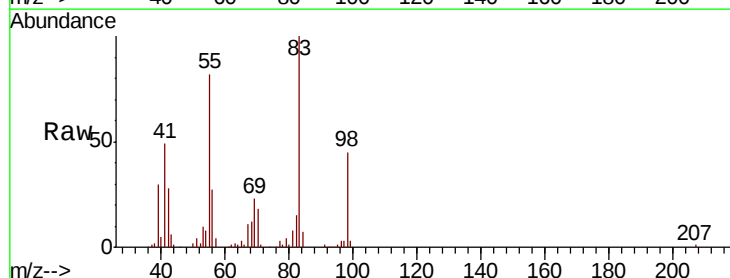


Abundance Ion 129.90 (129.60 to 130.60): VN058673.D (-2178) (-)
 Ion 94.90 (94.60 to 95.60): VN058673.D (-2178) (-)

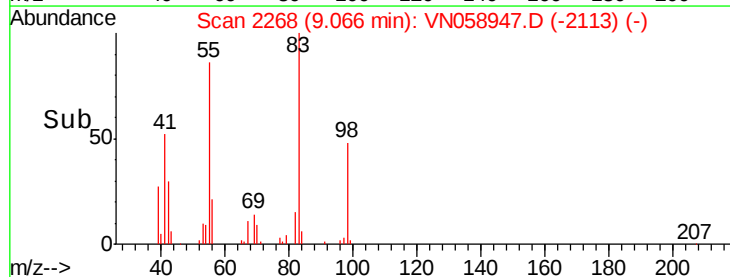
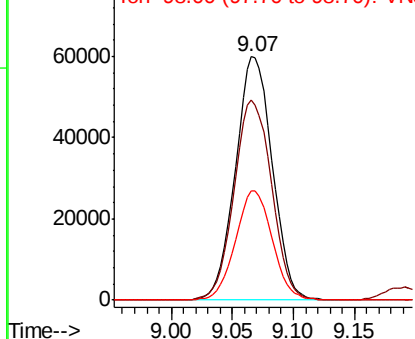


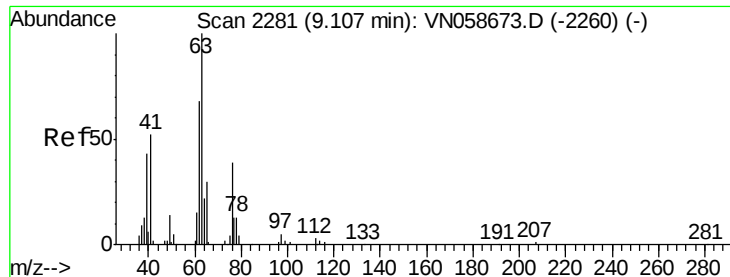
#38
 Methylcyclohexane
 Concen: 17.845 ug/l
 RT: 9.07 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion: 83 Resp: 125239
 Ion Ratio Lower Upper
 83 100
 55 83.8 40.4 121.1
 98 44.9 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2253) (-)
 Ion 55.00 (54.70 to 55.70): VN058673.D (-2253) (-)
 Ion 98.00 (97.70 to 98.70): VN058673.D (-2253) (-)





#39

1,2-Dichloropropane

Concen: 20.009 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

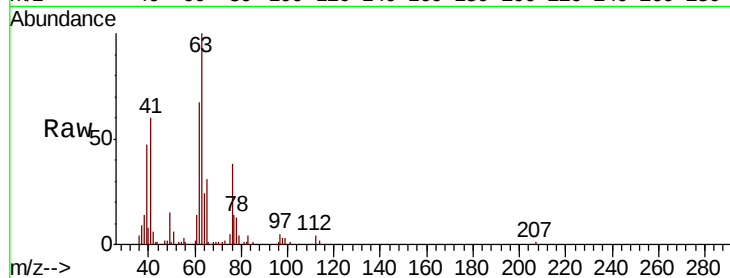
ClientSampleId :

Tot Ion: 63 Resp: 97446

Ion Ratio Lower Upper

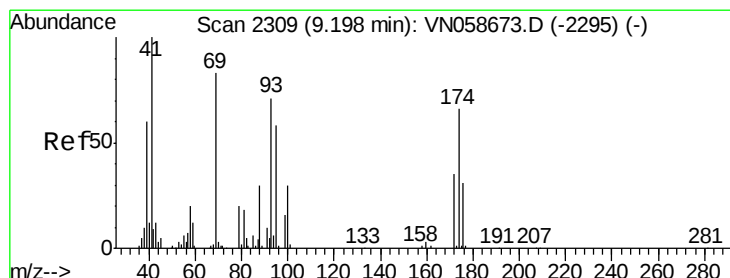
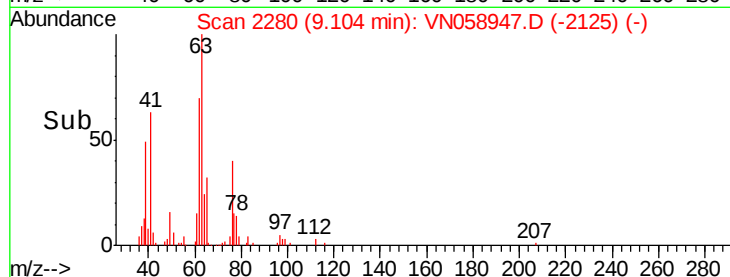
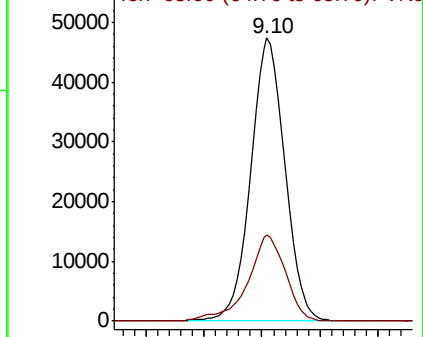
63 100

65 30.6 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.131 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

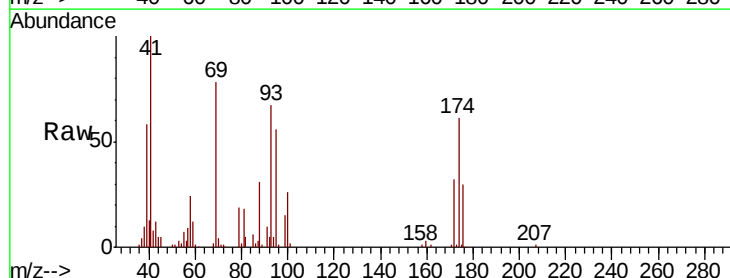
Tgt Ion: 93 Resp: 61891

Ion Ratio Lower Upper

93 100

95 81.6 0.0 167.6

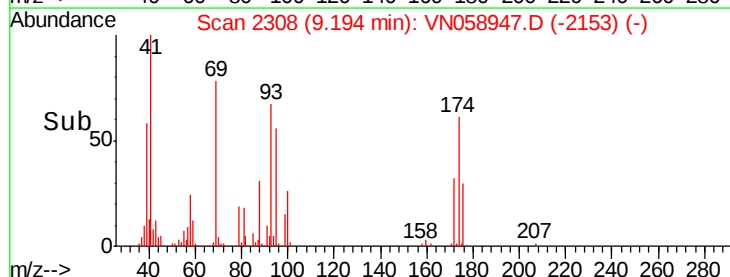
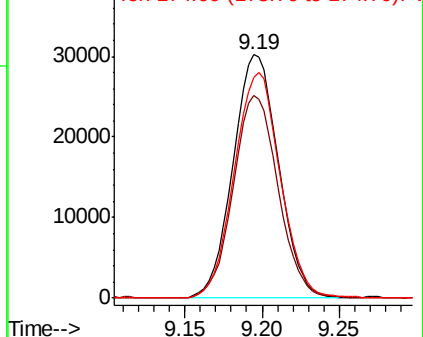
174 93.4 0.0 187.2

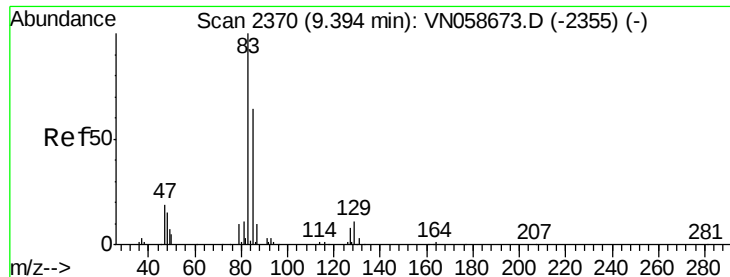


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.268 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

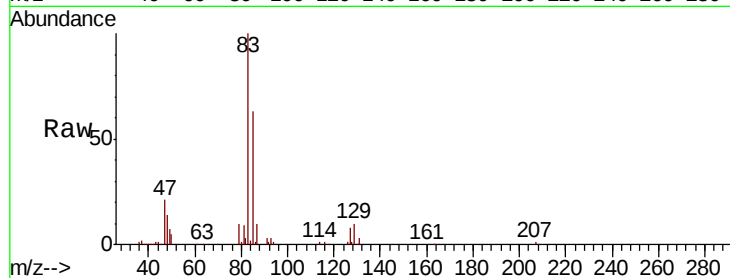
Tot Ion: 83 Resp: 127299

Ion Ratio Lower Upper

83 100

85 63.2 51.0 76.4

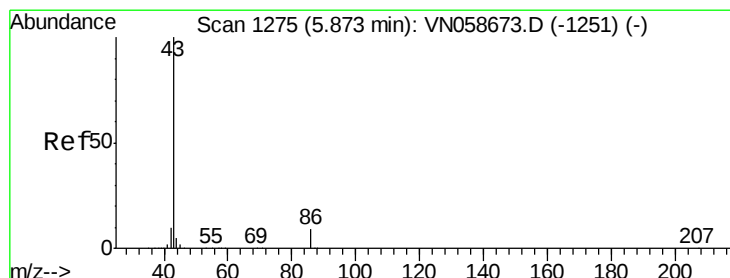
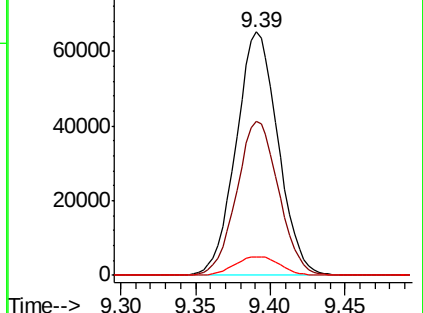
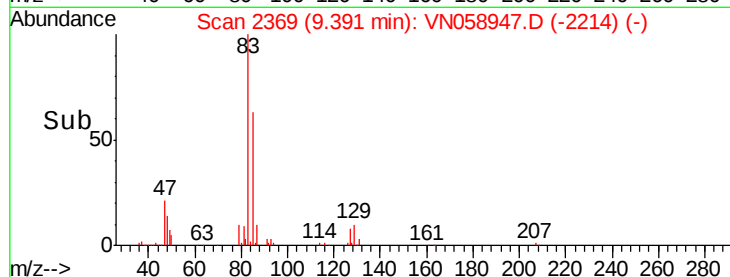
127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2355) (-)



#42

Vinyl Acetate

Concen: 103.754 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058947.D

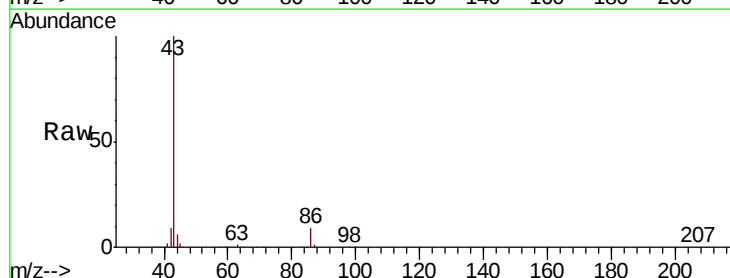
Acq: 24 Oct 2019 9:49

Tgt Ion: 43 Resp: 1242972

Ion Ratio Lower Upper

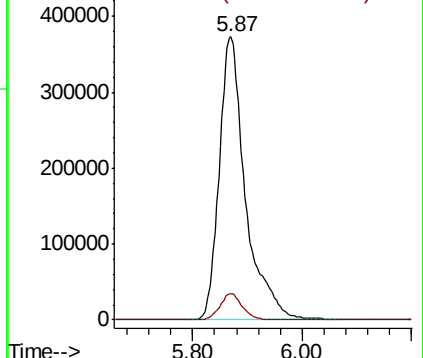
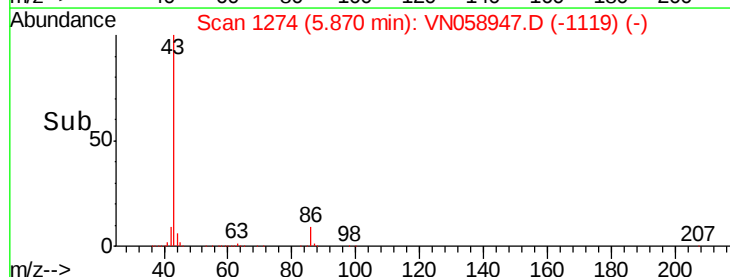
43 100

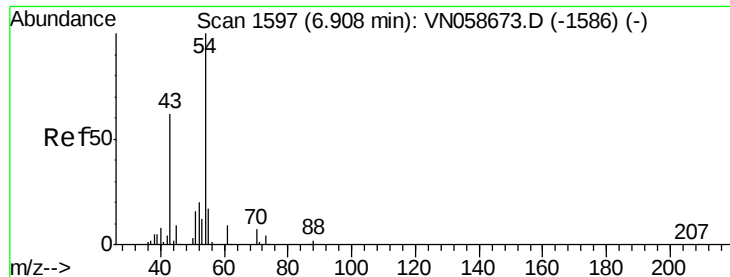
86 7.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058673.D (-1251) (-)

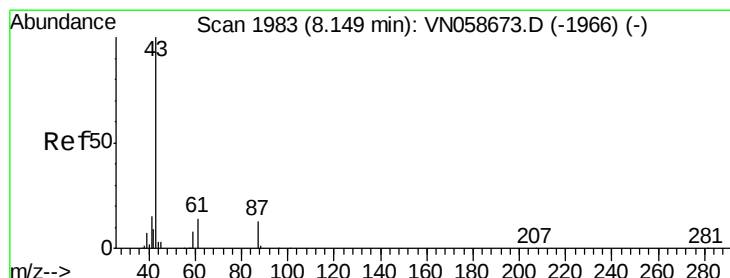
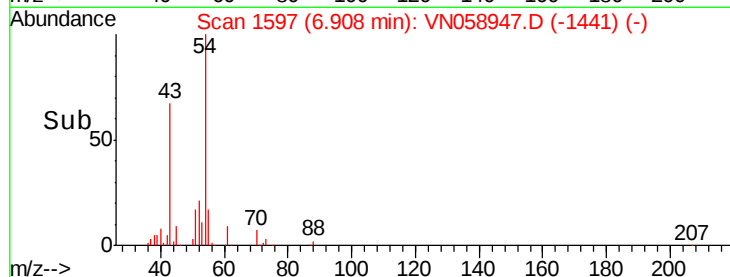
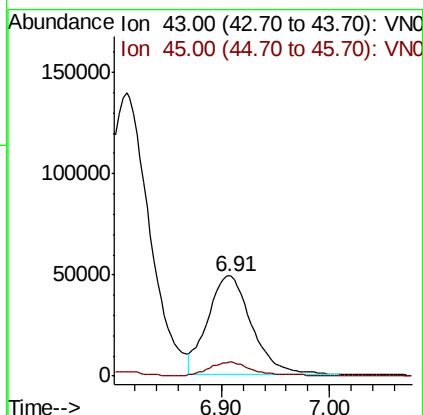
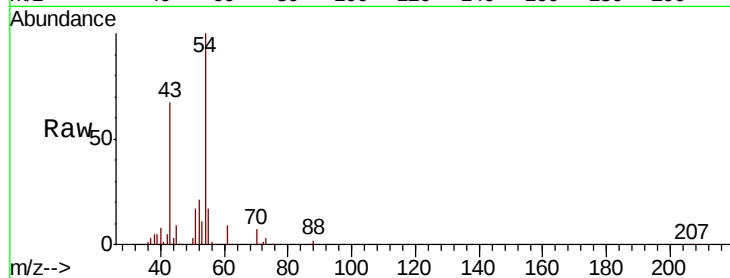




#43
Ethyl Acetate
Concen: 20.437 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

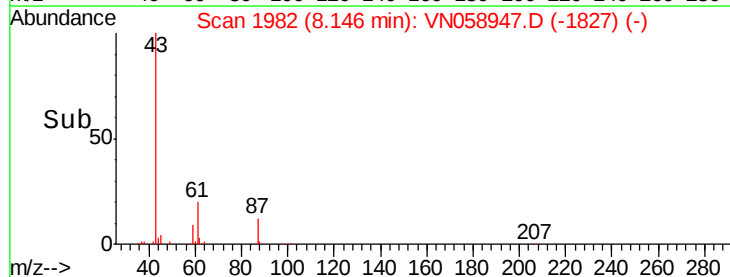
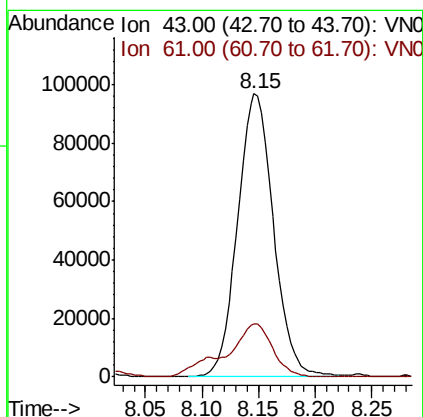
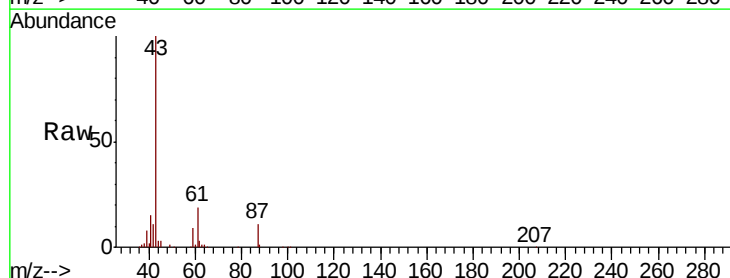
Instrument :
MSVOA_N
ClientSampleId :

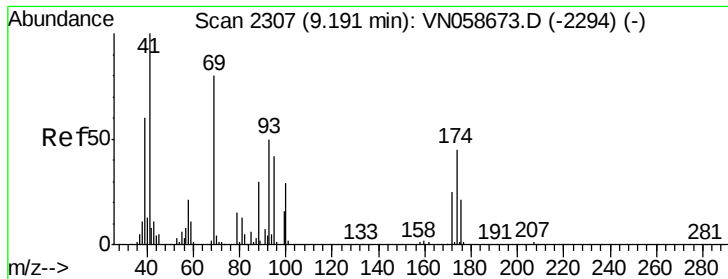
Tot Ion: 43 Resp: 137215
Ion Ratio Lower Upper
43 100
45 14.8 9.7 14.5#



#44
Isopropyl Acetate
Concen: 19.595 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 43 Resp: 213098
Ion Ratio Lower Upper
43 100
61 18.5 19.9 29.9#





#45

1,4-Dioxane

Concen: 412.846 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampled :

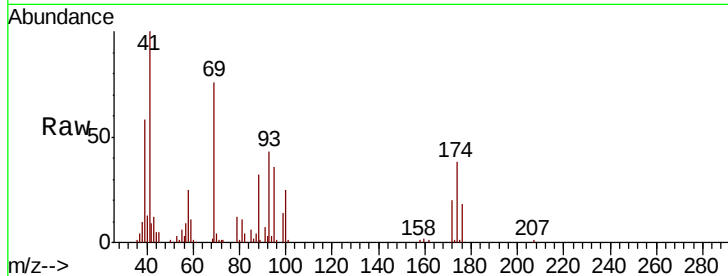
Tot Ion: 88 Resp: 34476

Ion Ratio Lower Upper

88 100

43 33.9 29.8 44.8

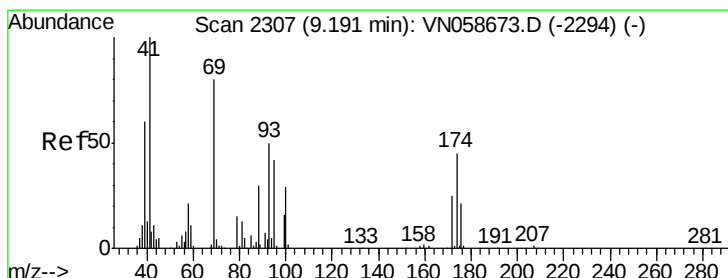
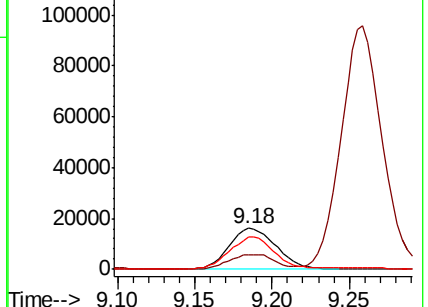
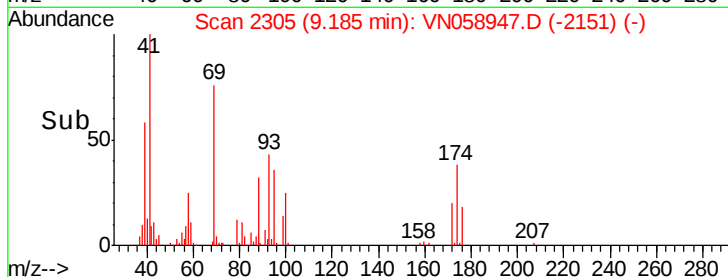
58 75.9 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN058673.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN058673.D (-2294) (-)



#46

Methyl methacrylate

Concen: 19.123 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

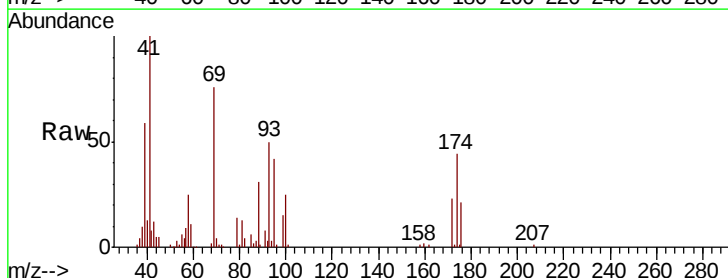
Tgt Ion: 41 Resp: 95474

Ion Ratio Lower Upper

41 100

69 77.6 40.2 120.5

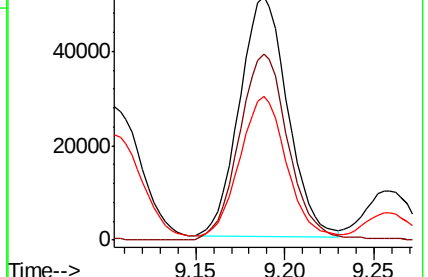
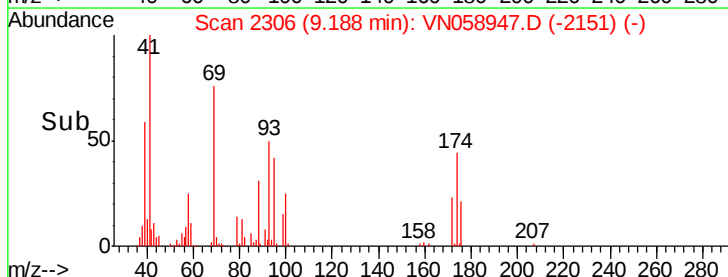
39 58.5 29.9 89.8

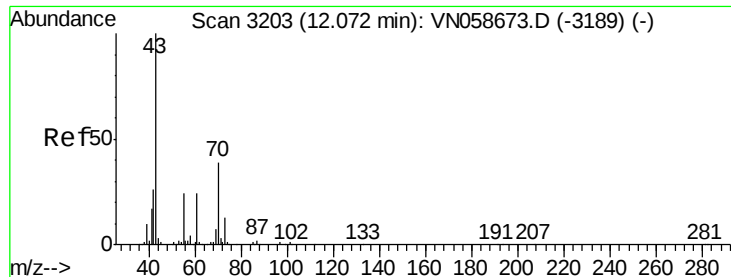


Abundance Ion 41.00 (40.70 to 41.70): VN058673.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN058673.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN058673.D (-2294) (-)

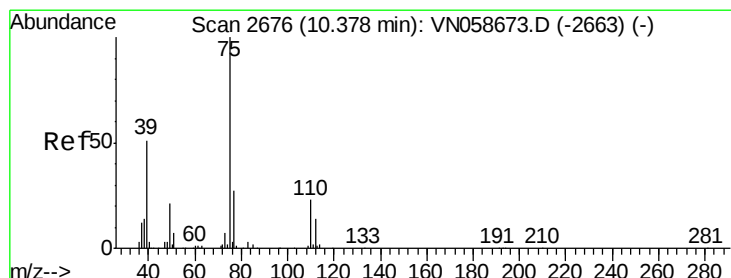
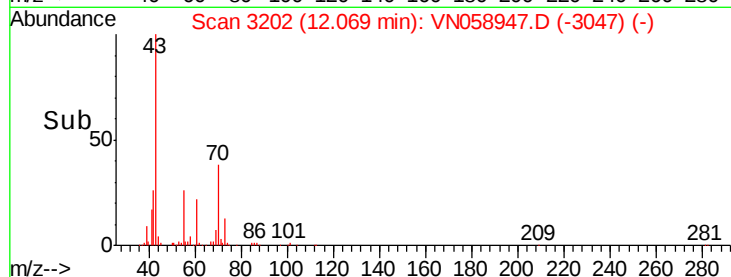
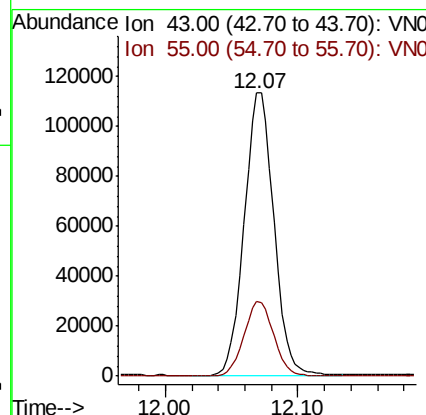
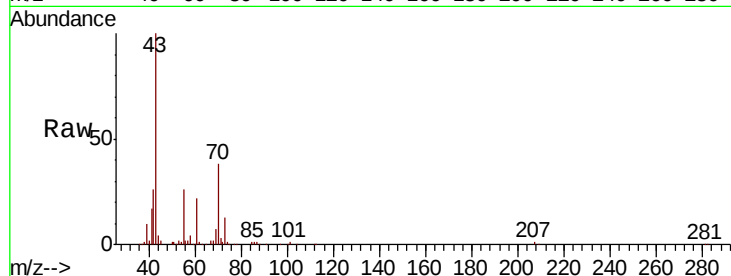




#47
n-amvl Acetate
Concen: 18.265 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

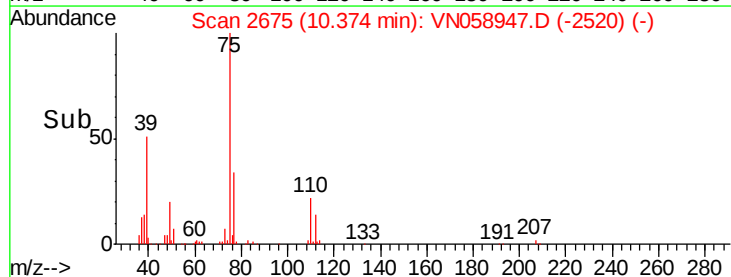
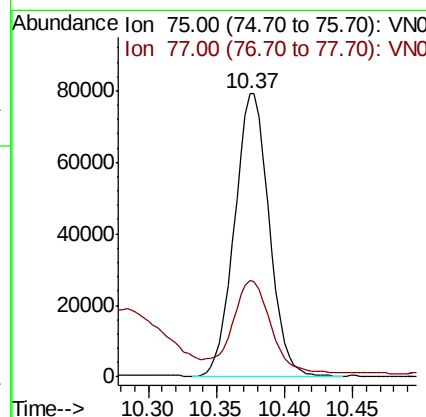
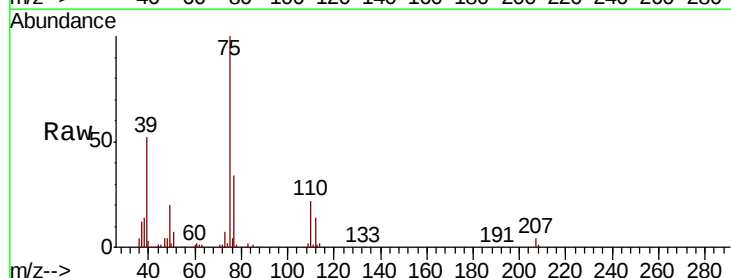
Instrument :
MSVOA_N
ClientSampleId :

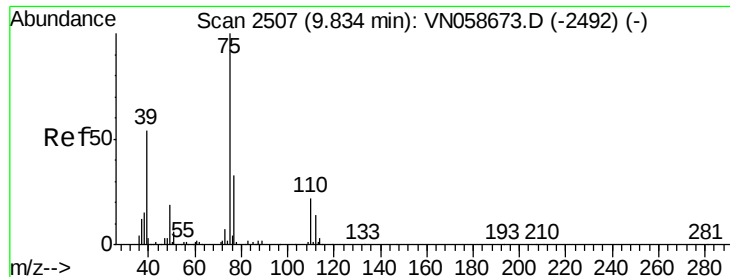
Tot Ion: 43 Resp: 176085
Ion Ratio Lower Upper
43 100
55 26.7 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 19.049 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 75 Resp: 138759
Ion Ratio Lower Upper
75 100
77 32.4 27.0 40.4



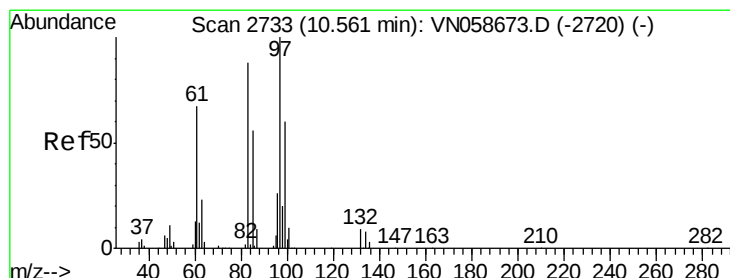
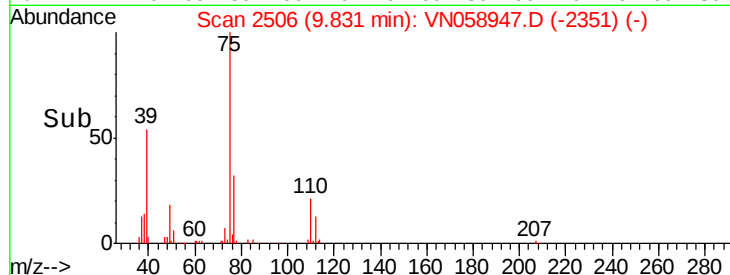
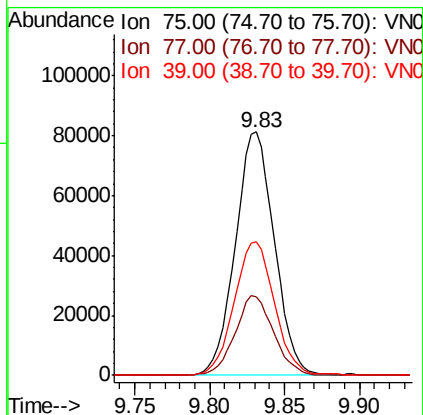
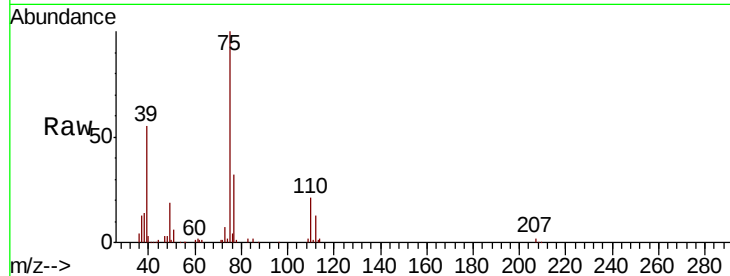


#49

cis-1,3-Dichloropropene
 Concen: 19.286 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampled :

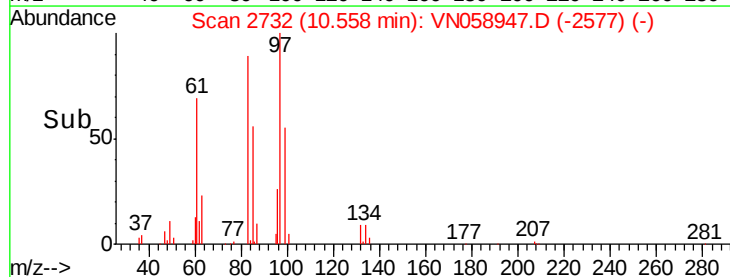
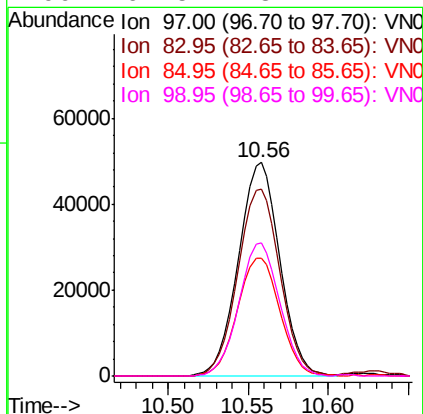
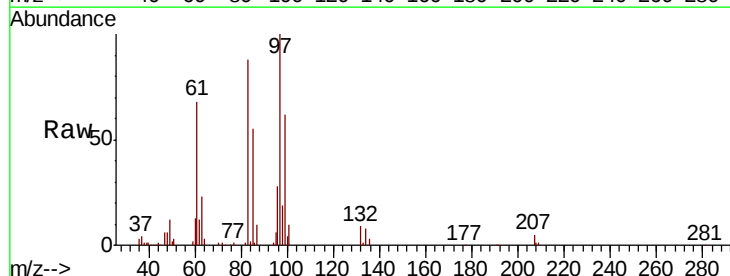
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.1	39.1
39	54.5	43.1	64.7

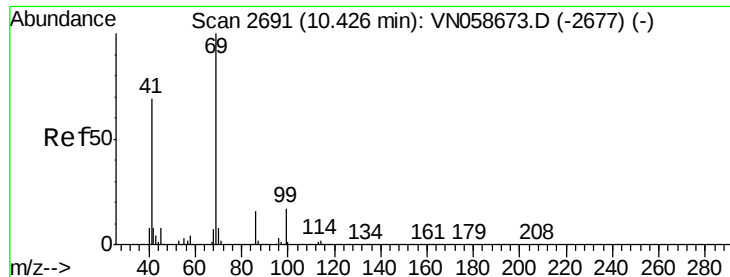


#50

1,1,2-Trichloroethane
 Concen: 19.986 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	55.4	45.1	67.7
99	62.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.448 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampled :

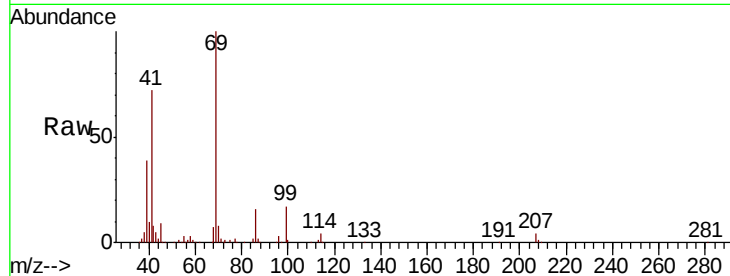
Tot Ion: 69 Resp: 129470

Ion Ratio Lower Upper

69 100

41 71.6 34.7 104.1

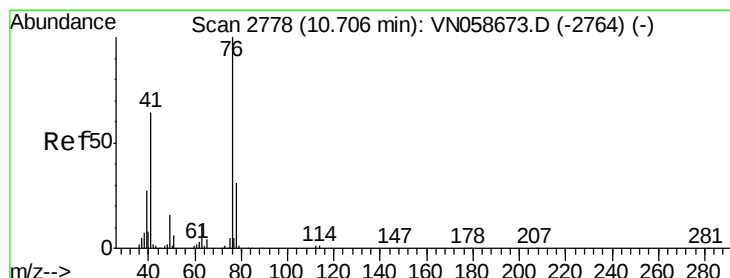
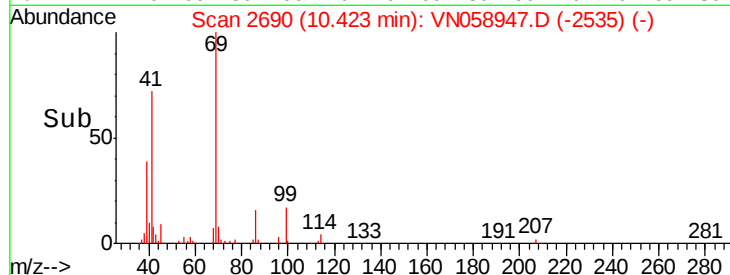
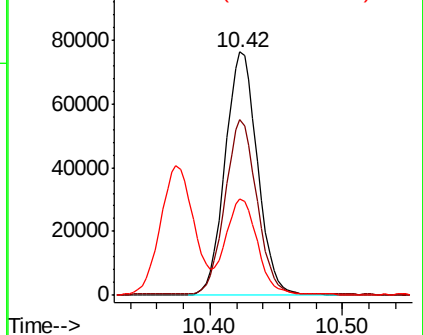
39 39.1 20.3 60.8



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



#52

1,3-Dichloropropane

Concen: 19.431 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058947.D

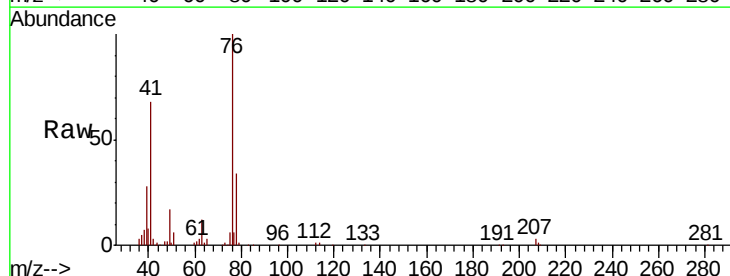
Acq: 24 Oct 2019 9:49

Tgt Ion: 76 Resp: 151879

Ion Ratio Lower Upper

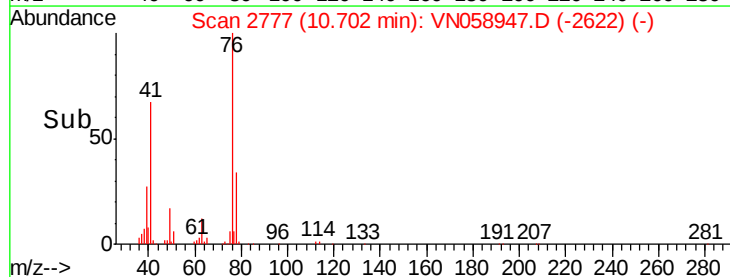
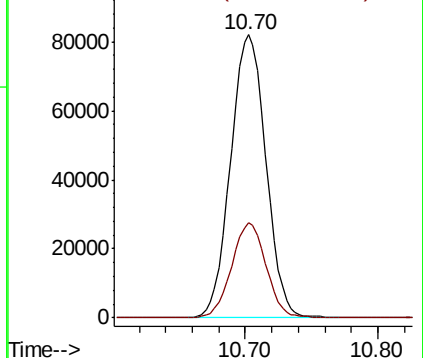
76 100

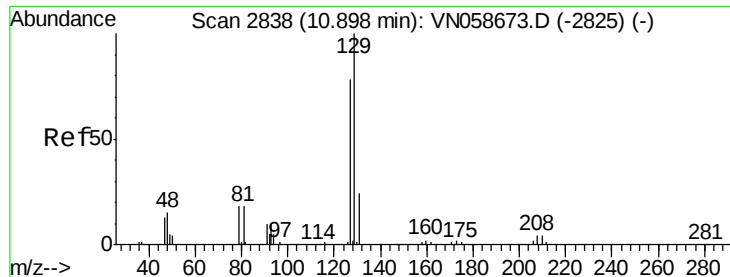
78 32.9 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.682 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

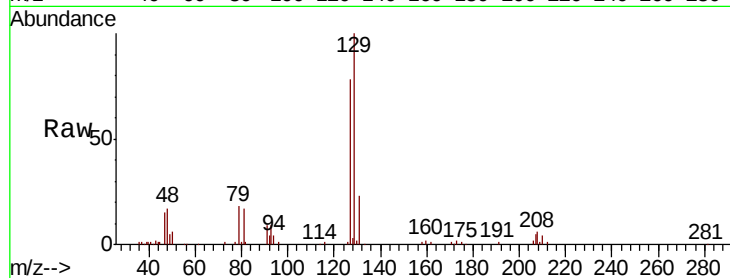
ClientSampleId :

Tot Ion:129 Resp: 92705

Ion Ratio Lower Upper

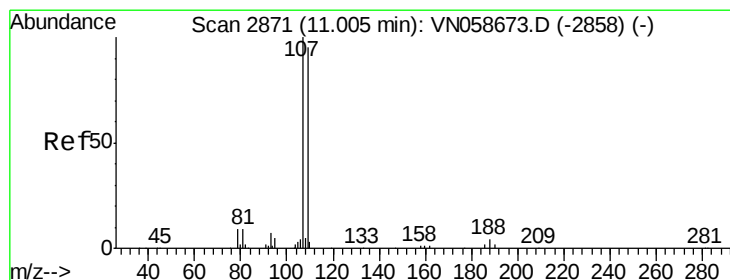
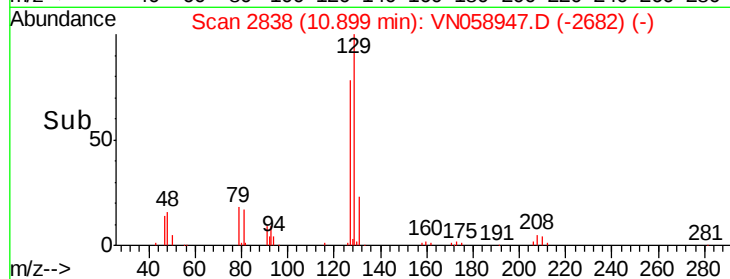
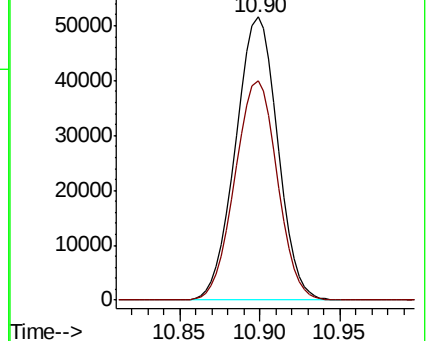
129 100

127 78.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.591 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058947.D

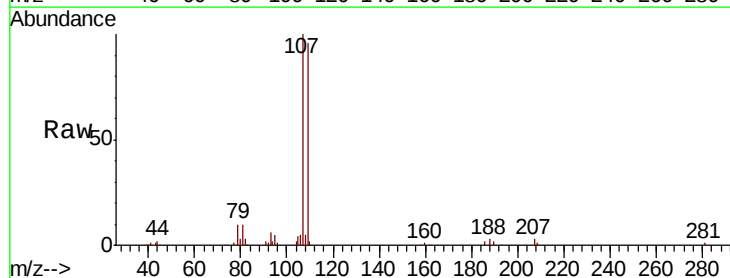
Acq: 24 Oct 2019 9:49

Tgt Ion:107 Resp: 89125

Ion Ratio Lower Upper

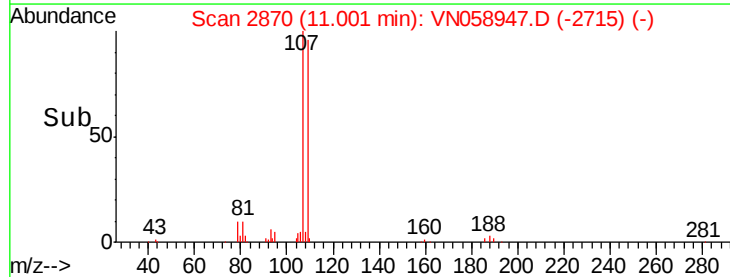
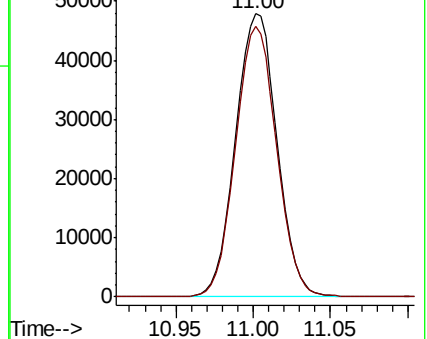
107 100

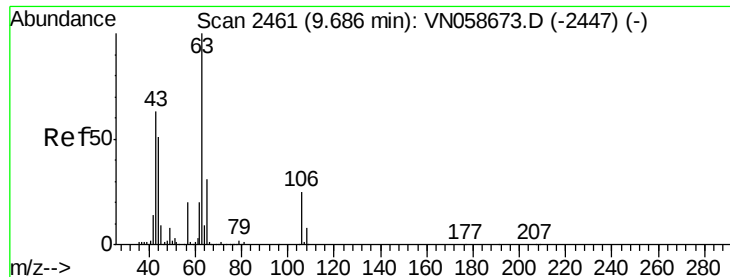
109 94.6 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 93.969 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

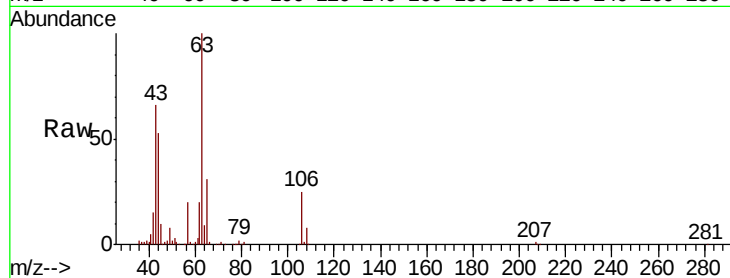
Tot Ion: 63 Resp: 328043

Ion Ratio Lower Upper

63 100

65 31.7 25.3 37.9

106 24.2 19.8 29.6

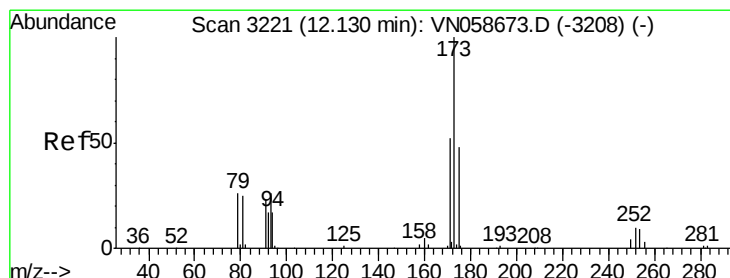
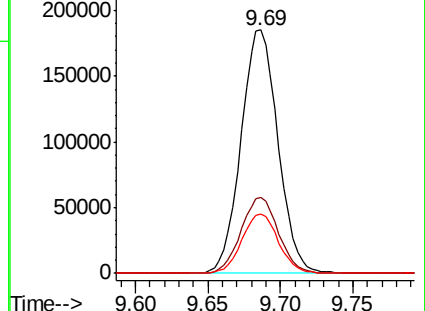
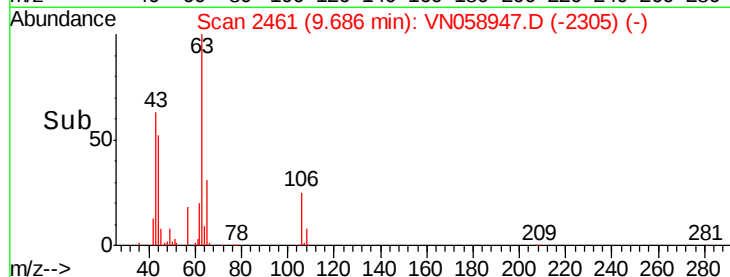


Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058673.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058673.D (-2447) (-)

Time-->



#56

Bromoform

Concen: 20.221 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

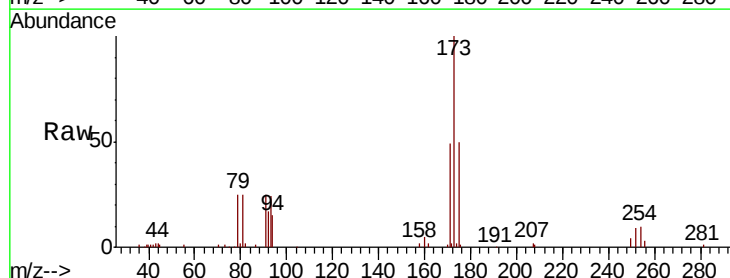
Tgt Ion: 173 Resp: 66347

Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

254 9.8 7.4 11.2

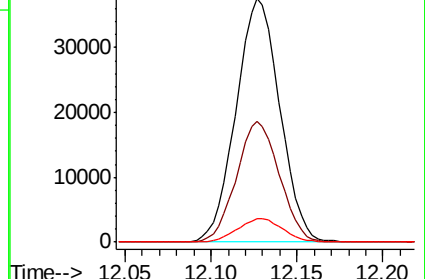
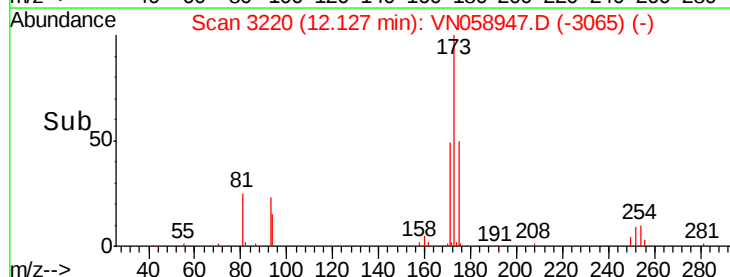


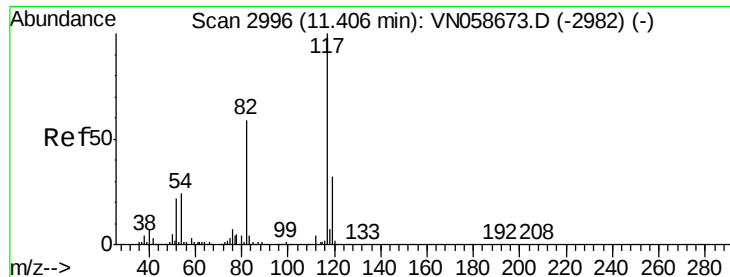
Abundance Ion 173.00 (172.70 to 173.70): VN058673.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058673.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058673.D (-3208) (-)

Time-->

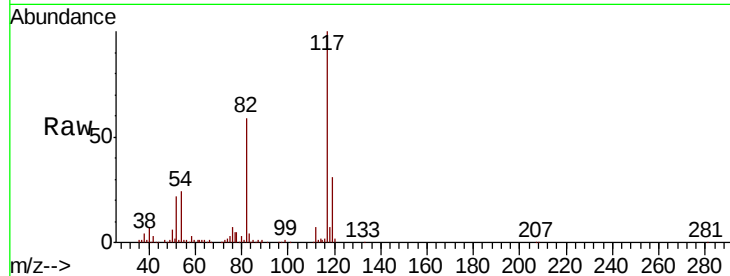




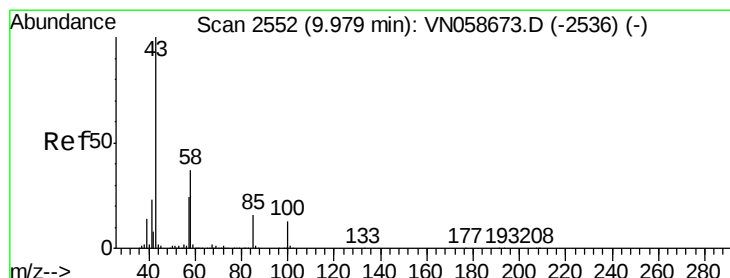
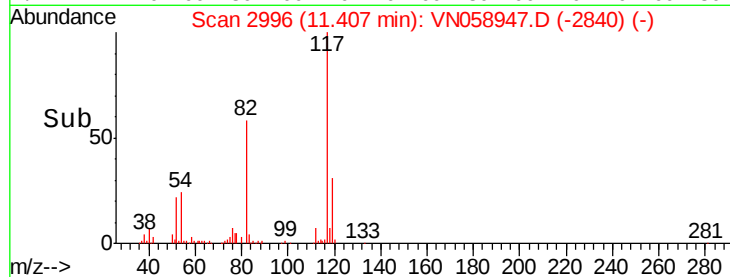
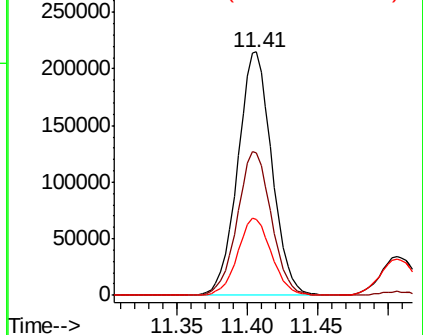
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 364228
Ion Ratio Lower Upper
117 100
82 58.9 46.9 70.3
119 31.5 25.8 38.6

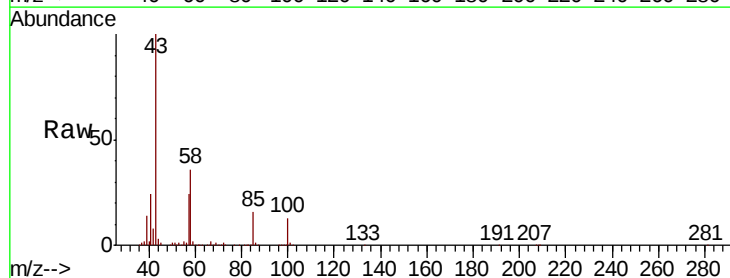


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

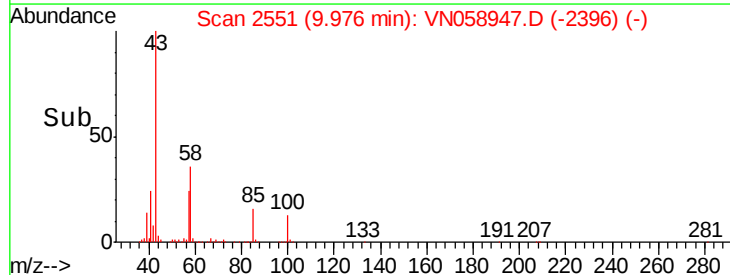
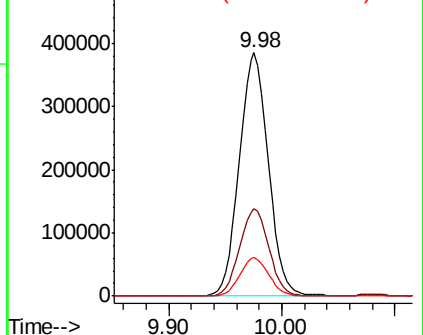


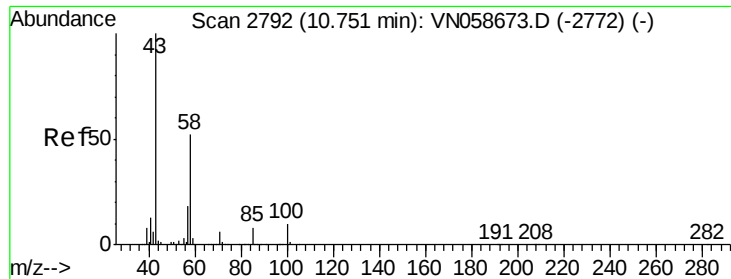
#58
4-Methyl-2-Pentanone
Concen: 103.898 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 43 Resp: 690348
Ion Ratio Lower Upper
43 100
58 36.2 30.1 45.1
85 15.8 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

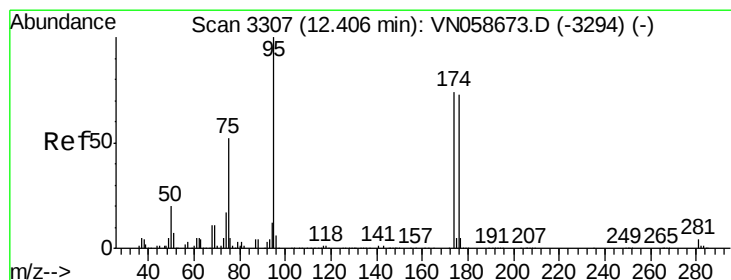
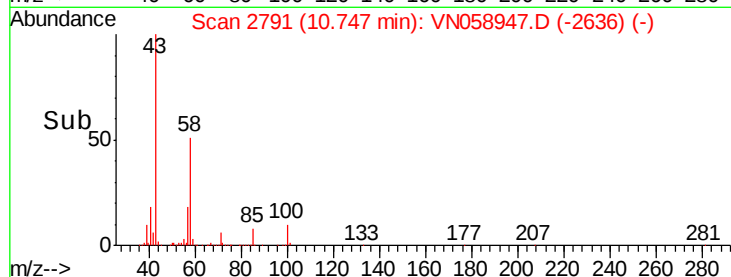
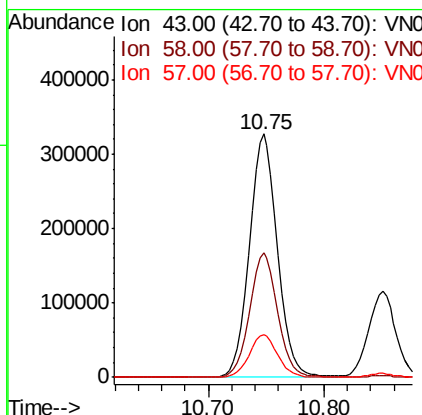
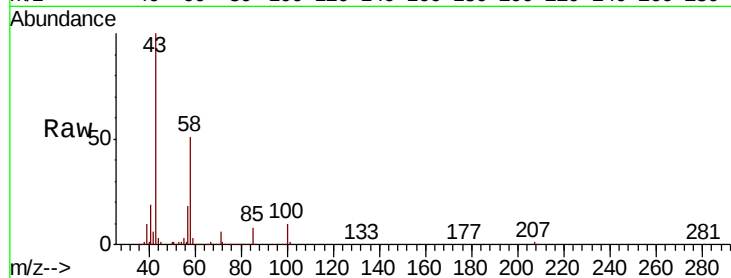




#59
2-Hexanone
Concen: 105.728 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

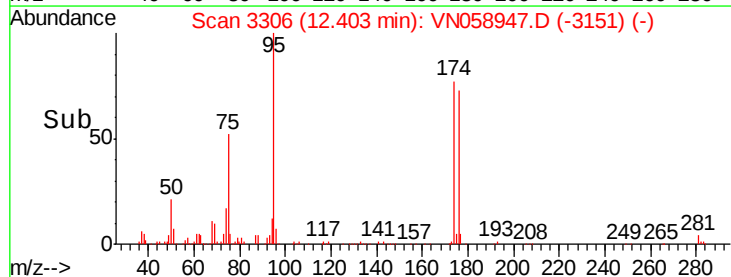
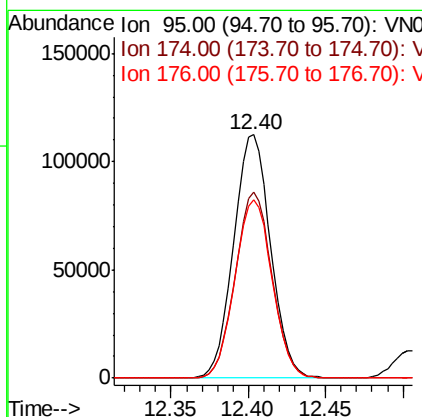
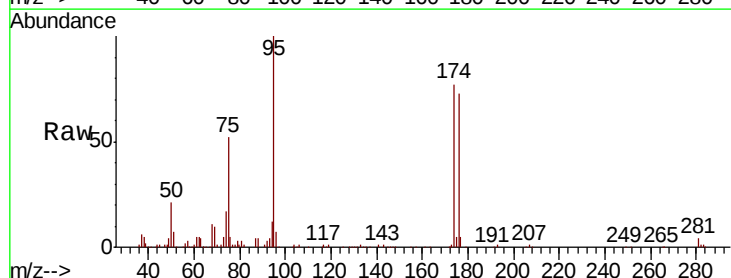
Instrument :
MSVOA_N
ClientSampleId :

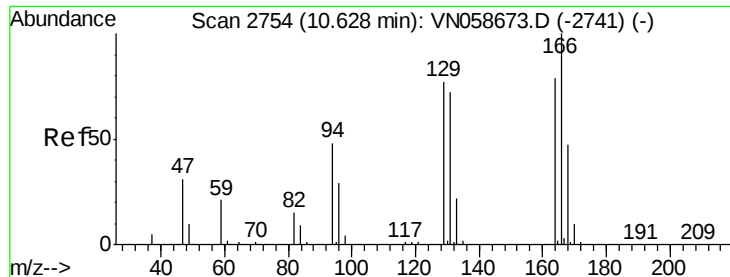
Tot Ion: 43 Resp: 550745
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
57 17.8 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.271 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion: 95 Resp: 186497
Ion Ratio Lower Upper
95 100
174 76.2 59.9 89.9
176 74.2 58.3 87.5





#61

Tetrachloroethene

Concen: 18.987 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 74732

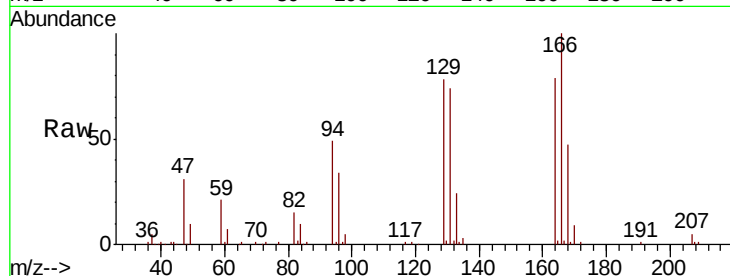
Ion Ratio Lower Upper

164 100

166 126.9 101.4 152.2

129 98.6 78.1 117.1

131 94.4 73.2 109.8

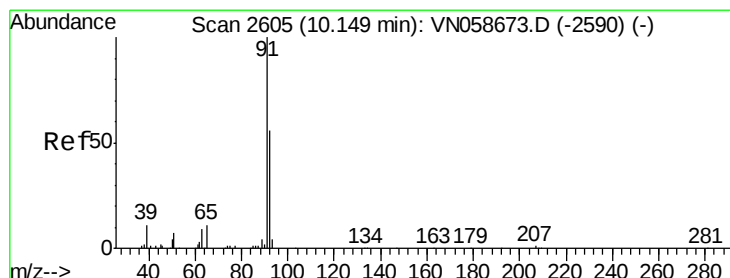
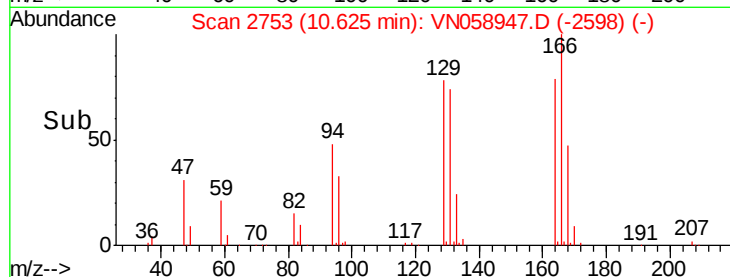
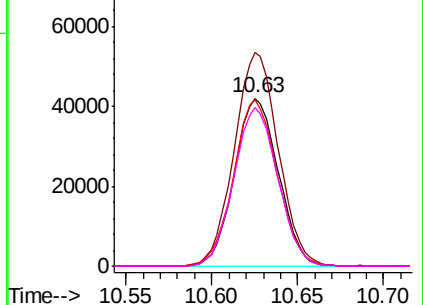


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.011 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058947.D

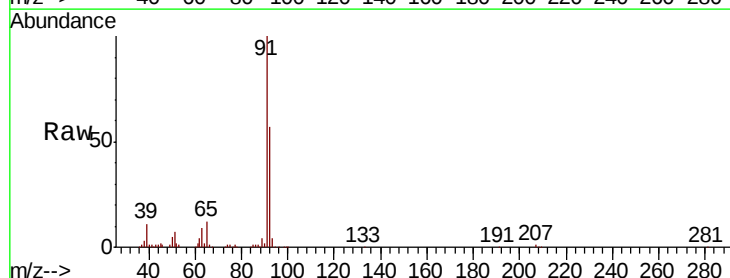
Acq: 24 Oct 2019 9:49

Tgt Ion: 91 Resp: 372472

Ion Ratio Lower Upper

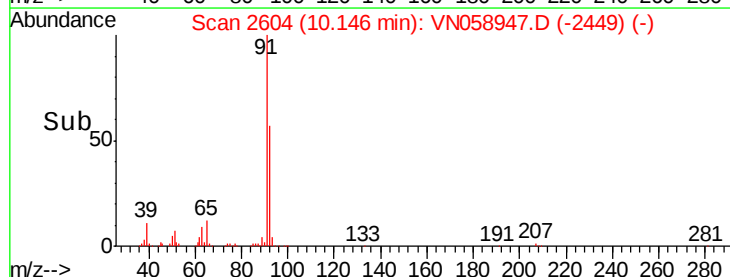
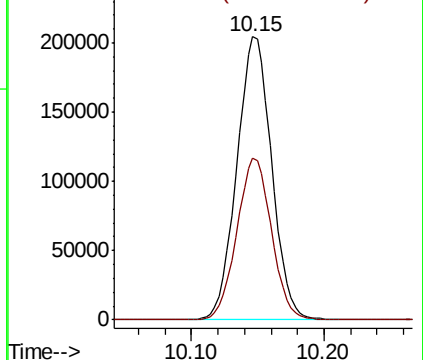
91 100

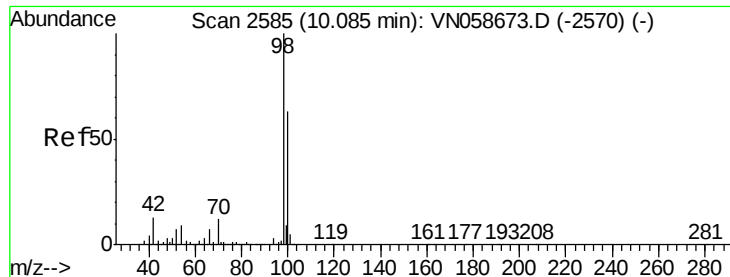
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.494 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

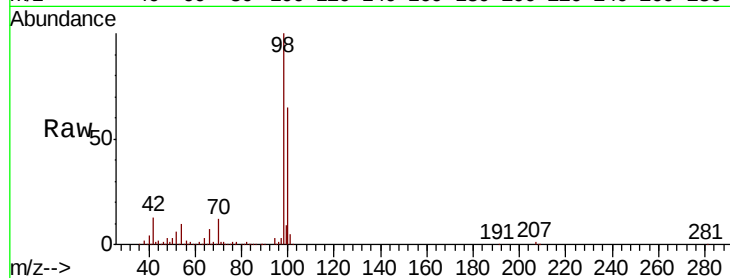
ClientSampleId :

Tot Ion: 98 Resp: 524420

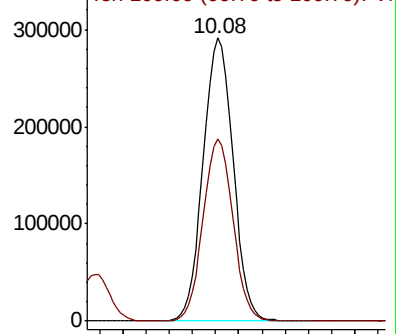
Ion Ratio Lower Upper

98 100

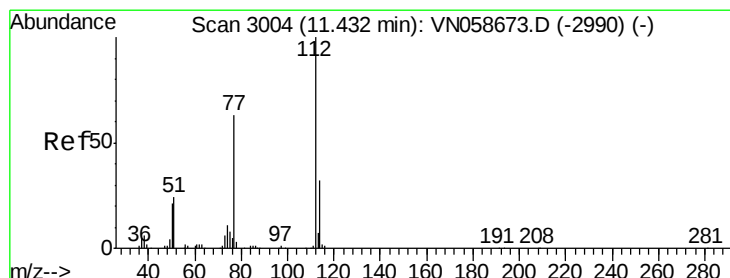
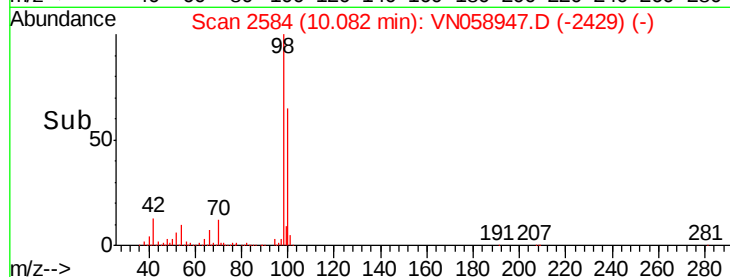
100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)



Time-->



#64

Chlorobenzene

Concen: 18.551 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN058947.D

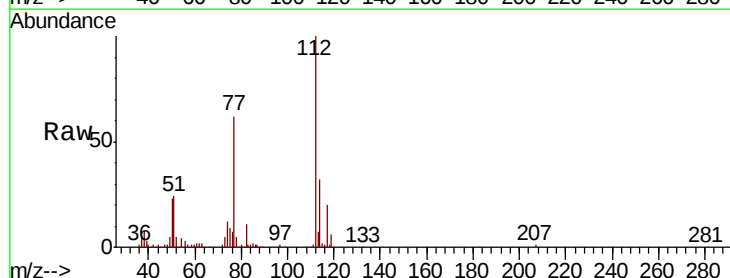
Acq: 24 Oct 2019 9:49

Tgt Ion: 112 Resp: 222209

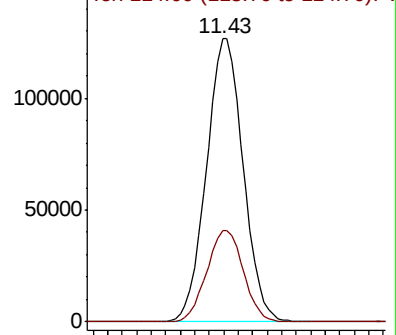
Ion Ratio Lower Upper

112 100

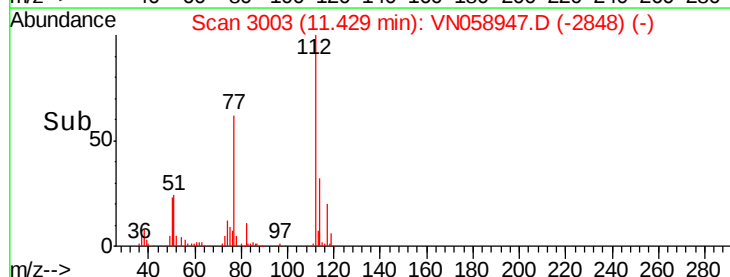
114 32.1 25.7 38.5

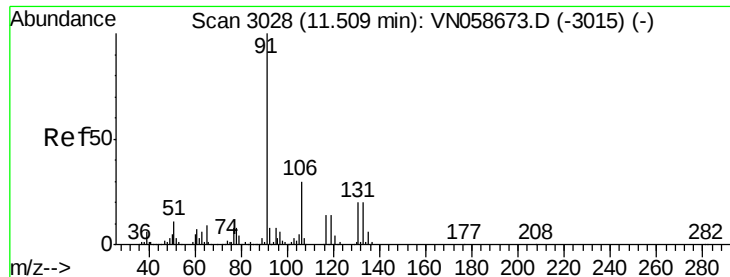


Abundance Ion 112.00 (111.70 to 112.70): VN058673.D (-2990) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.691 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

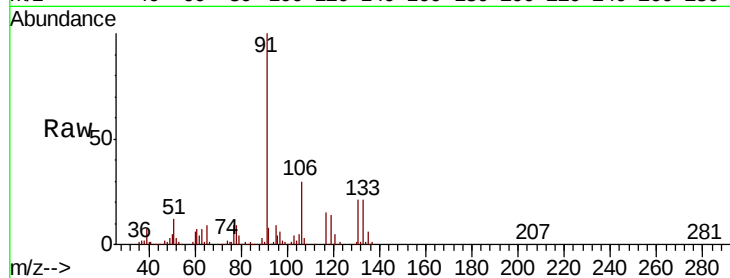
Tot Ion:131 Resp: 83948

Ion Ratio Lower Upper

131 100

133 98.6 0.0 194.0

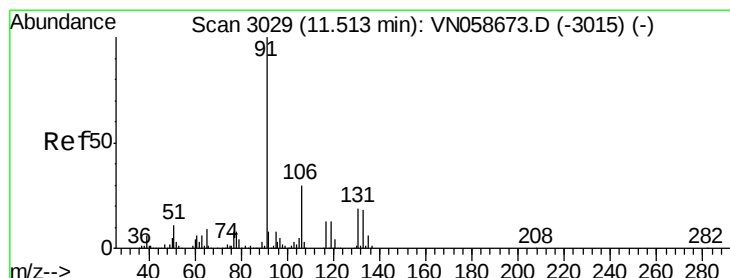
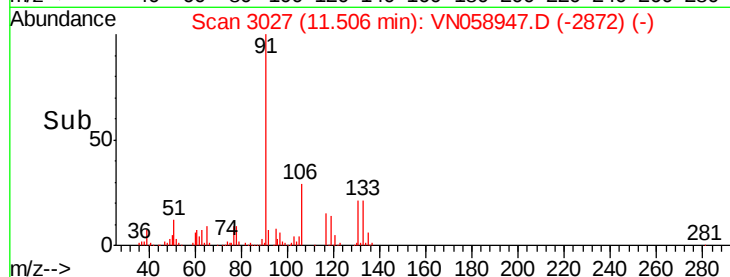
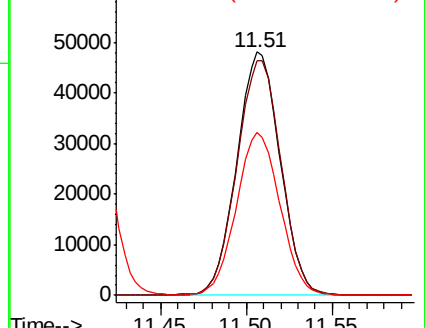
119 67.7 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.137 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058947.D

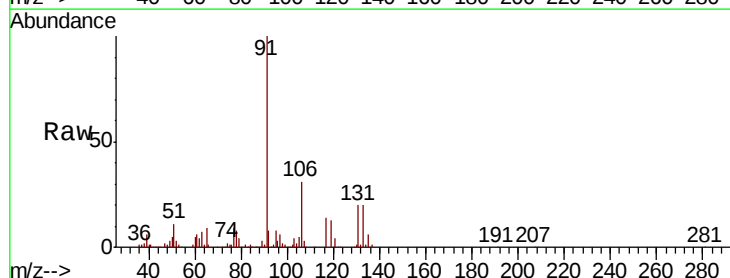
Acq: 24 Oct 2019 9:49

Tgt Ion: 91 Resp: 393466

Ion Ratio Lower Upper

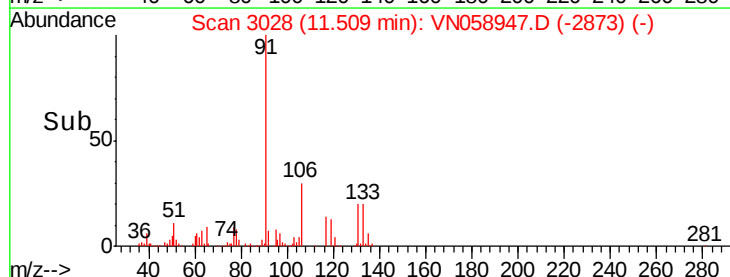
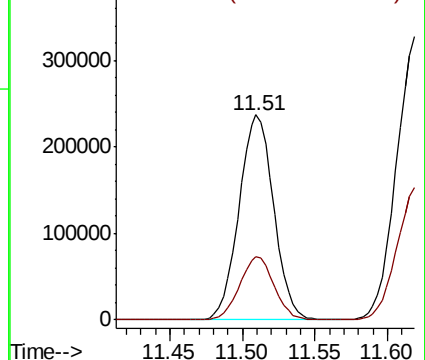
91 100

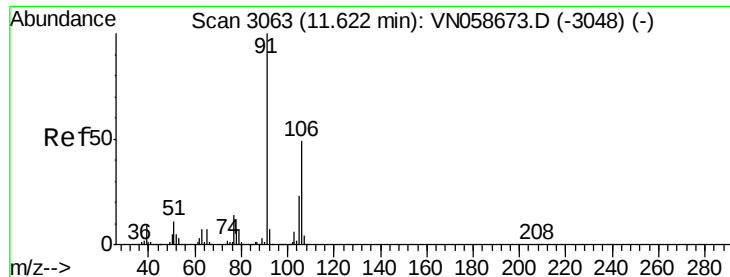
106 30.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 36.225 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

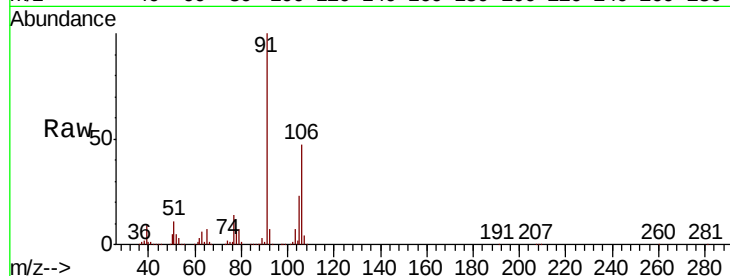
ClientSampled :

Tot Ion:106 Resp: 293605

Ion Ratio Lower Upper

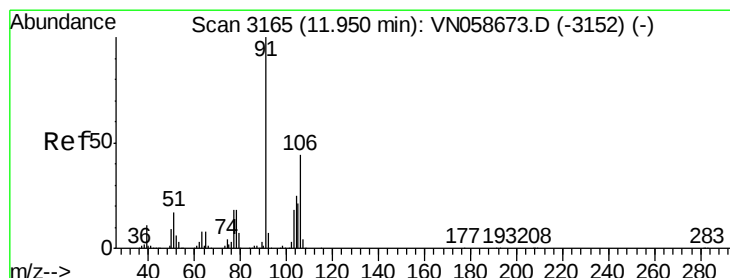
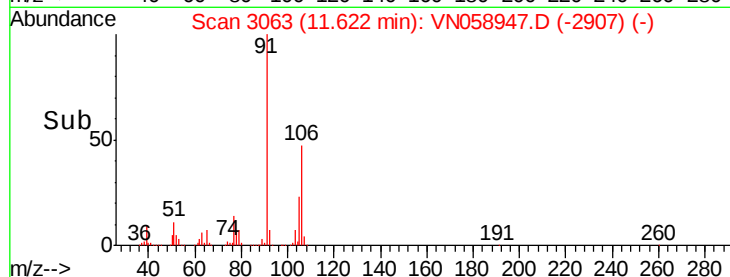
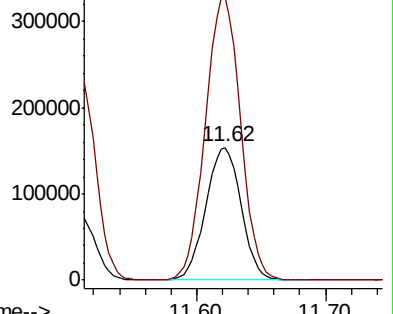
106 100

91 211.7 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 17.697 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058947.D

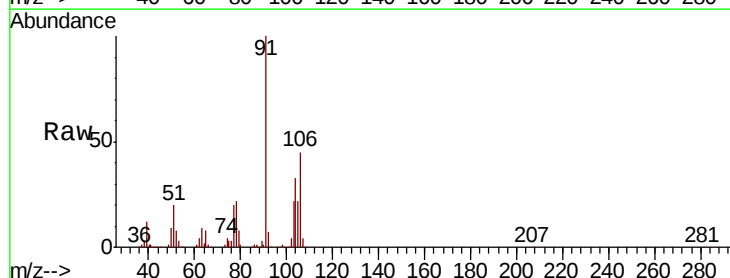
Acq: 24 Oct 2019 9:49

Tgt Ion:106 Resp: 139049

Ion Ratio Lower Upper

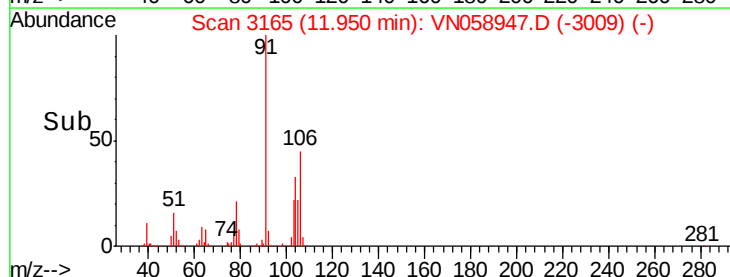
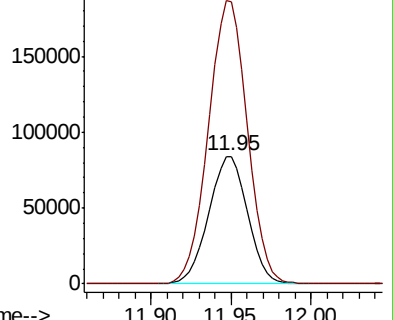
106 100

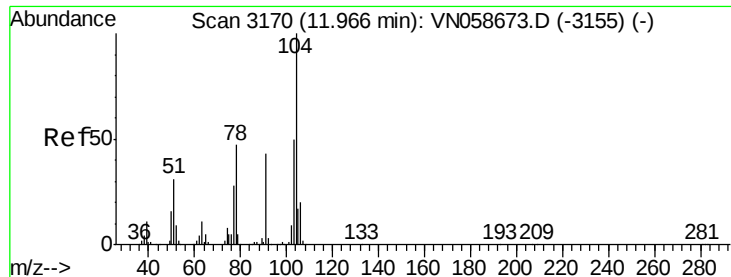
91 222.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

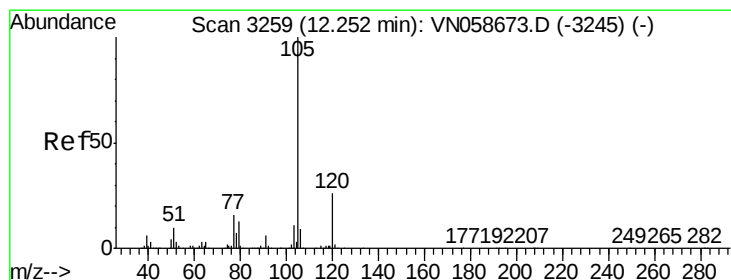
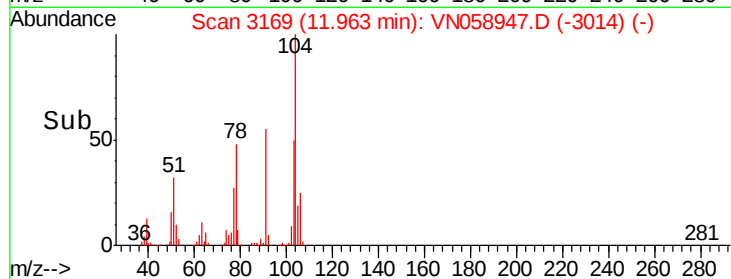
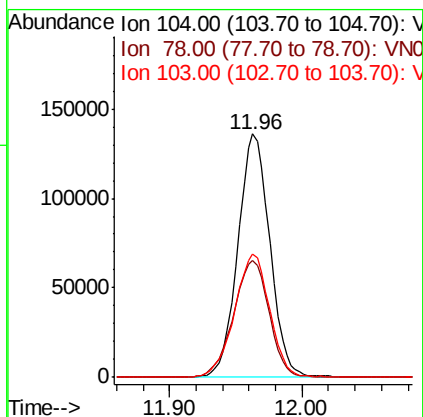
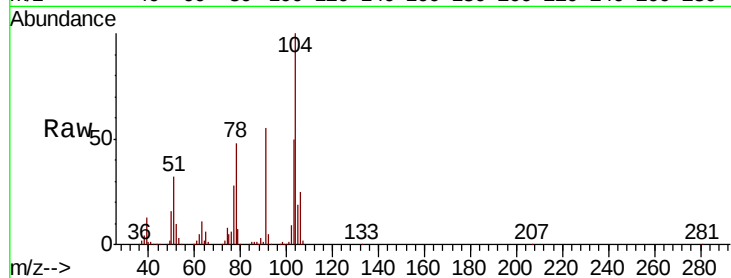




#69
Stvrene
Concen: 17.592 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

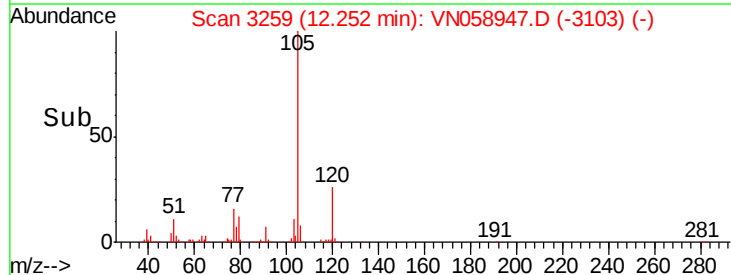
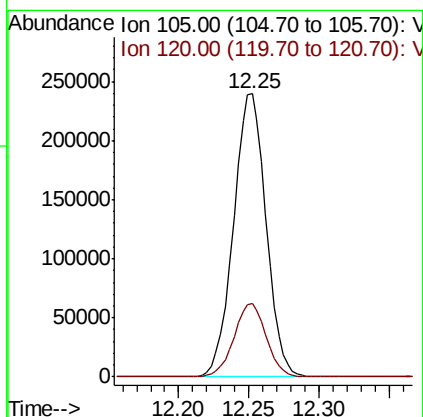
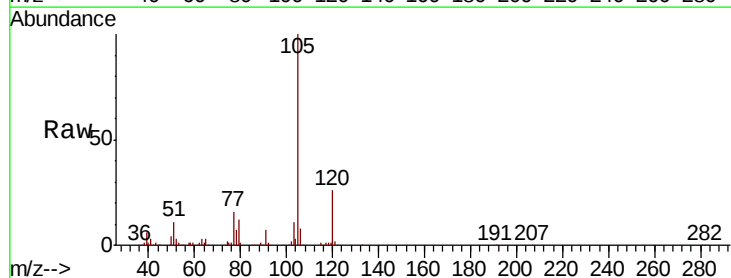
Instrument :
MSVOA_N
ClientSampleId :

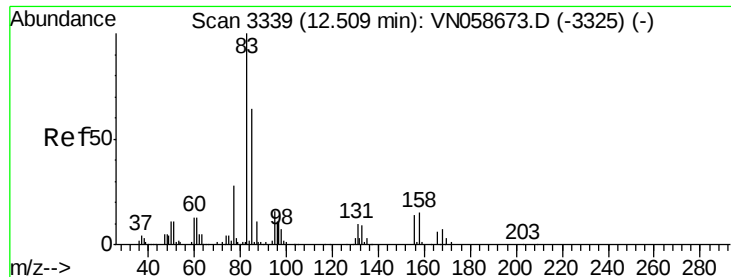
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.4	63.6
103	55.3	44.6	66.8



#70
Isopropylbenzene
Concen: 18.241 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.4	34.2

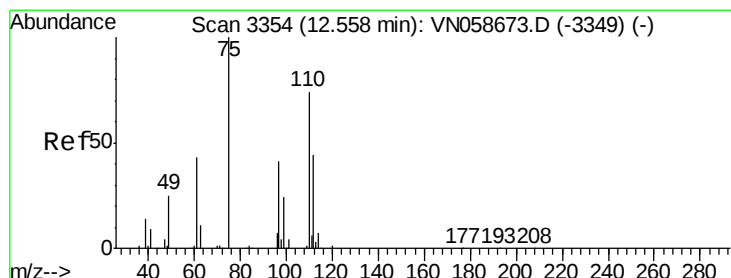
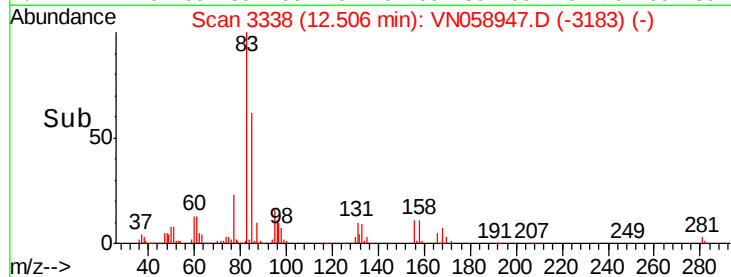
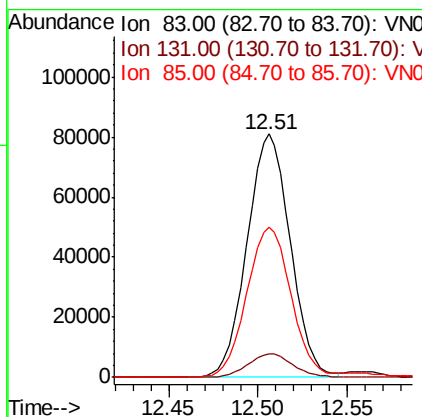
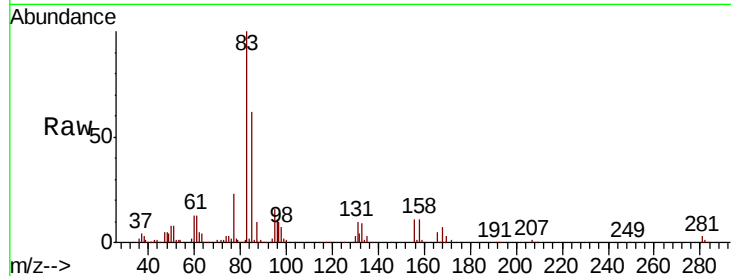




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.234 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

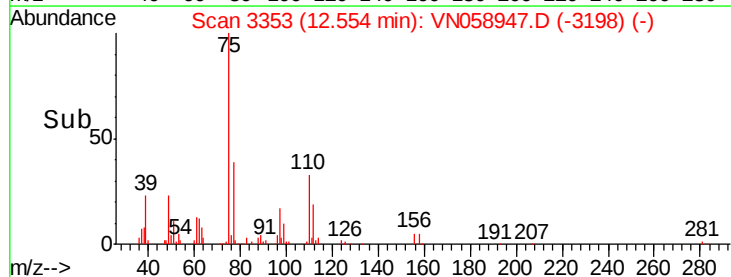
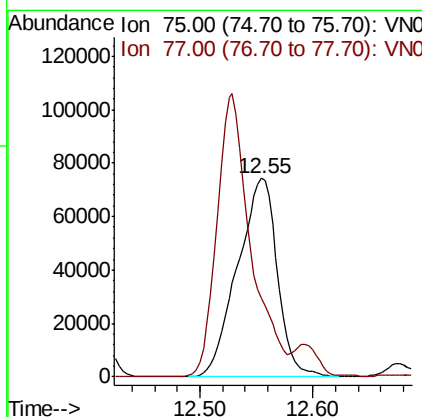
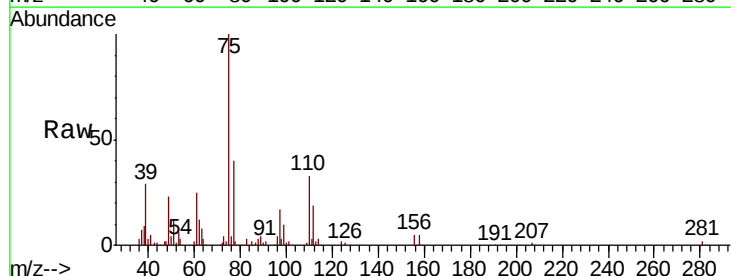
Instrument :
 MSVOA_N
 ClientSampled :

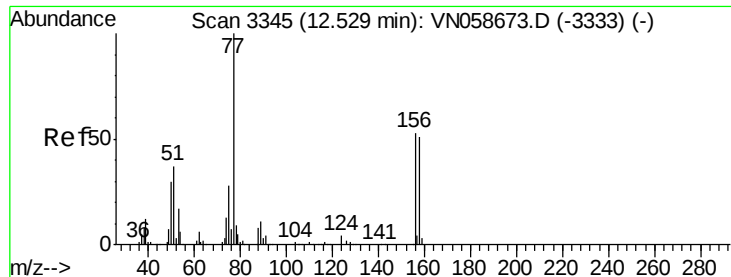
Tot Ion	83	Resp	137363
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.2	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 28.105 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	75	Resp	181874
Ion Ratio	Lower	Upper	
75	100		
77	120.9	0.0	359.4





#73

Bromobenzene

Concen: 18.420 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

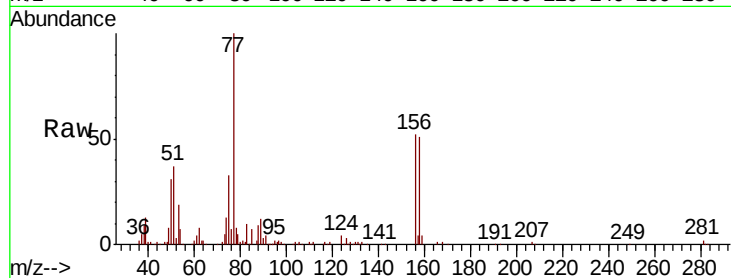
Tot Ion:156 Resp: 94912

Ion Ratio Lower Upper

156 100

77 231.7 0.0 456.0

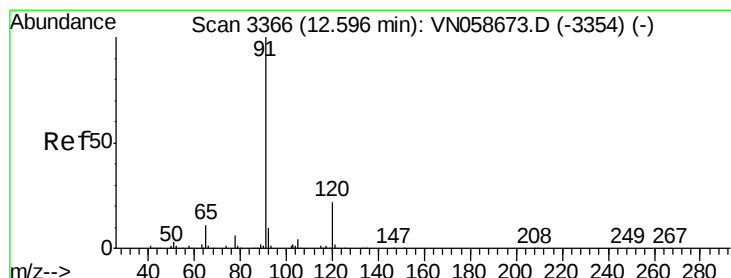
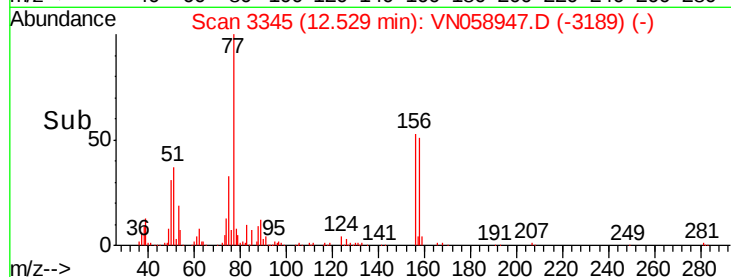
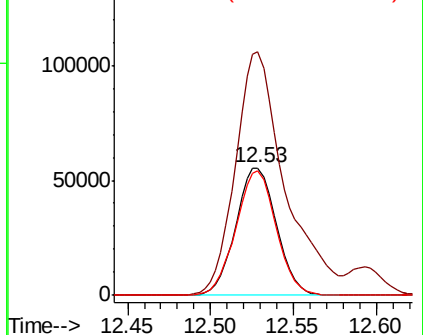
158 96.5 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.674 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058947.D

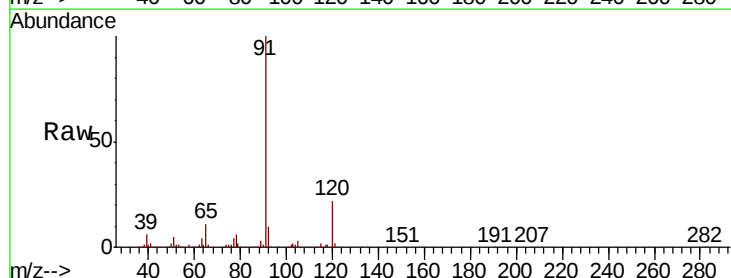
Acq: 24 Oct 2019 9:49

Tgt Ion: 91 Resp: 463686

Ion Ratio Lower Upper

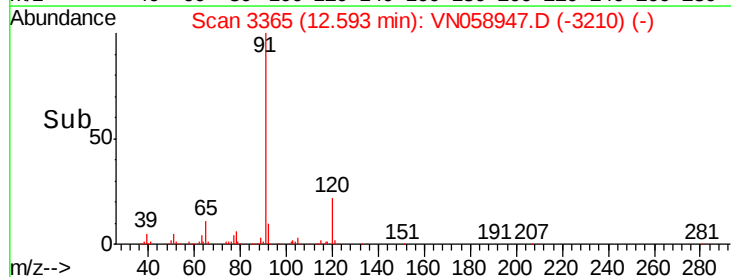
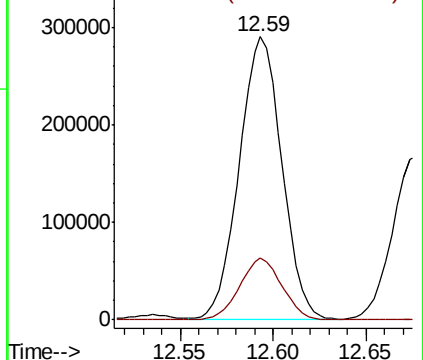
91 100

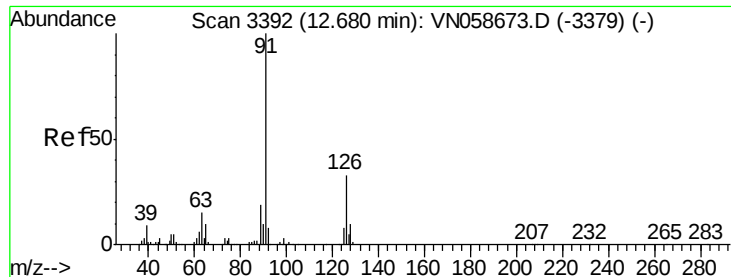
120 21.6 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.564 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

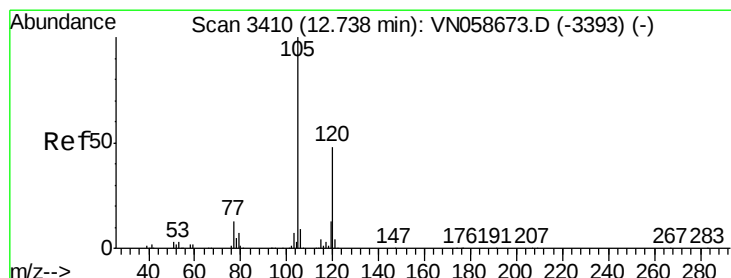
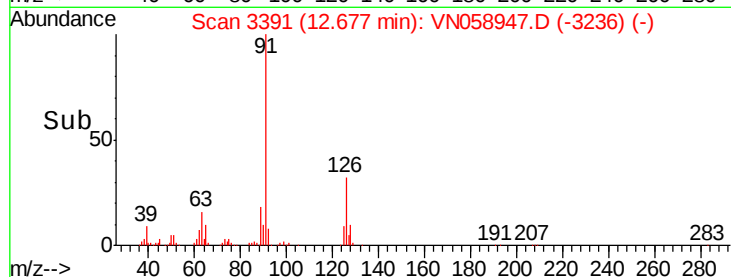
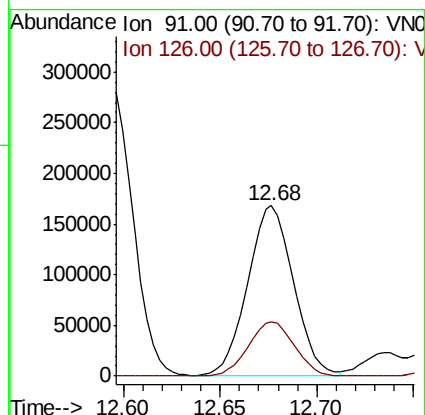
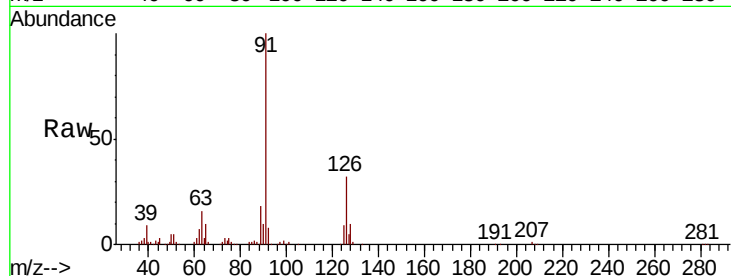
ClientSampleId :

Tot Ion: 91 Resp: 277340

Ion Ratio Lower Upper

91 100

126 32.2 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 18.063 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058947.D

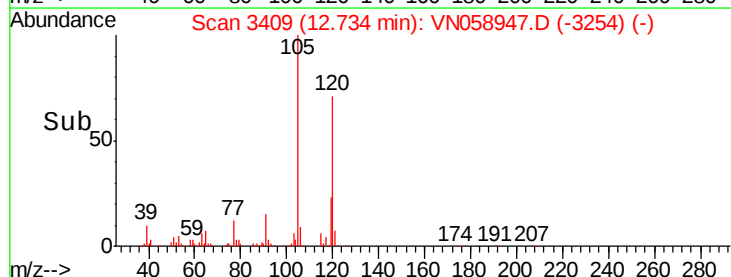
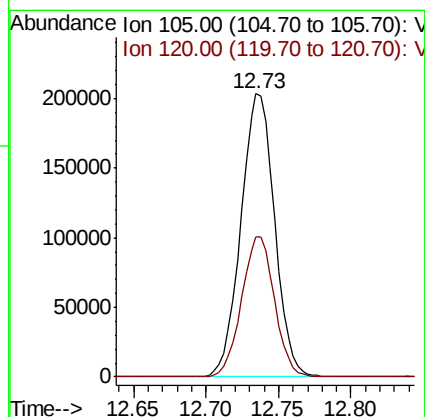
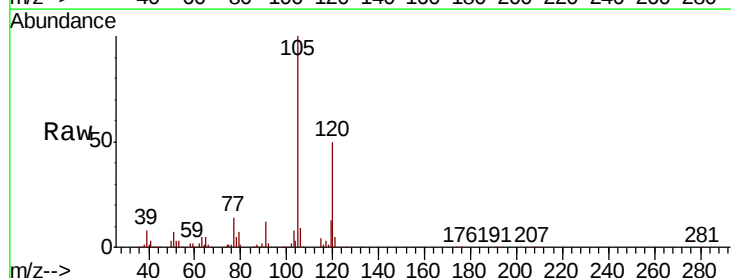
Acq: 24 Oct 2019 9:49

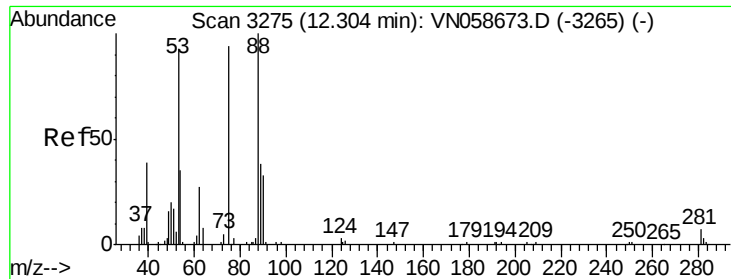
Tgt Ion:105 Resp: 328198

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.0

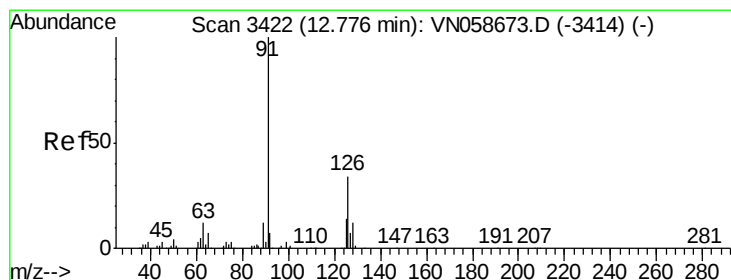
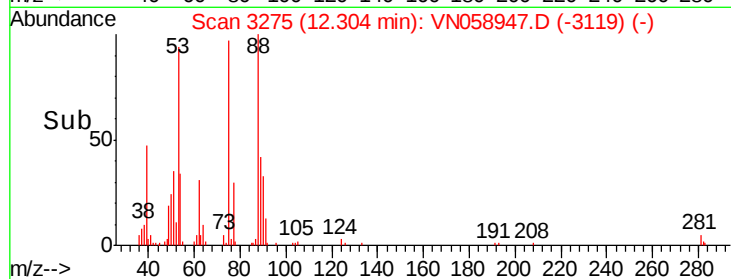
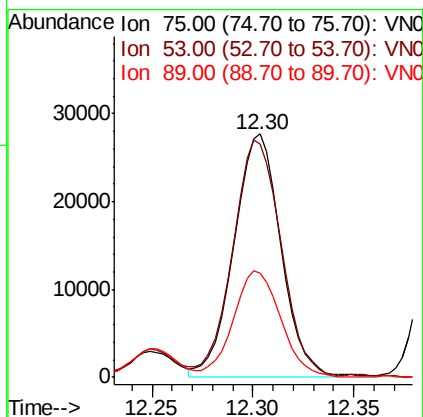
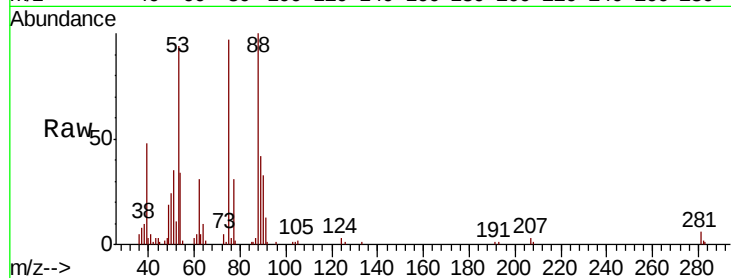




#77
t-1,4-Dichloro-2-butene
Concen: 18.251 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

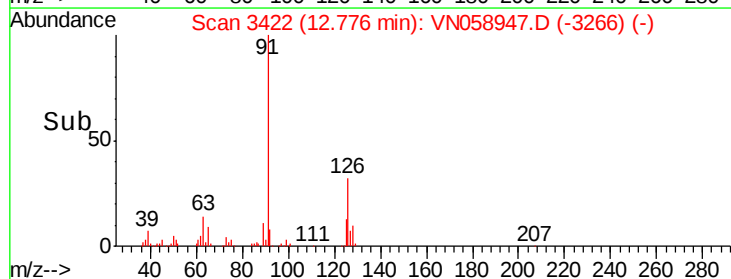
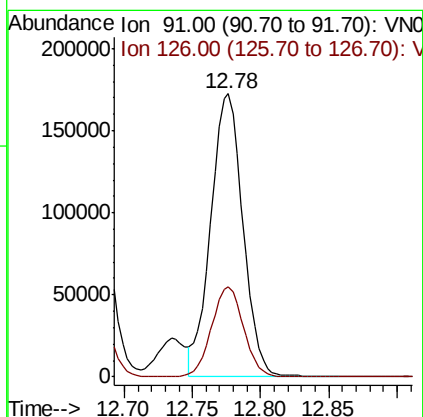
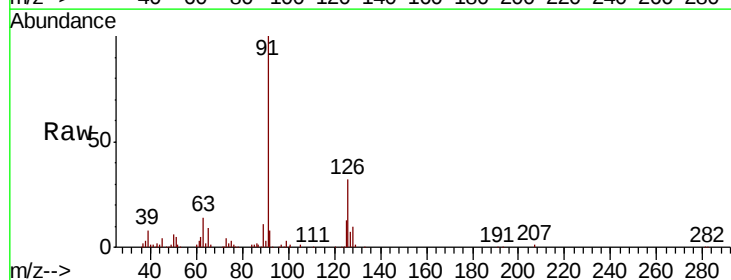
Instrument :
MSVOA_N
ClientSampleId :

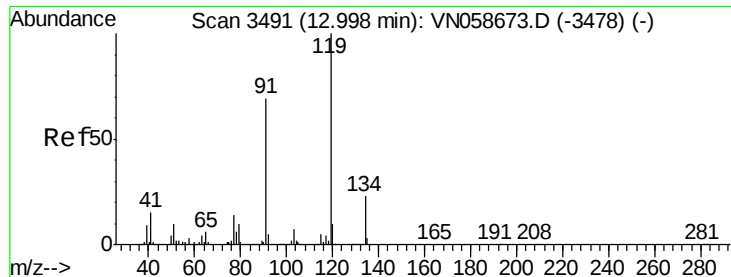
Tot Ion	75	Resp	44993
Ion	Ratio	Lower	Upper
75	100		
53	96.3	50.0	150.0
89	43.3	20.7	62.1



#78
4-Chlorotoluene
Concen: 18.245 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	91	Resp	280937
Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	63.4

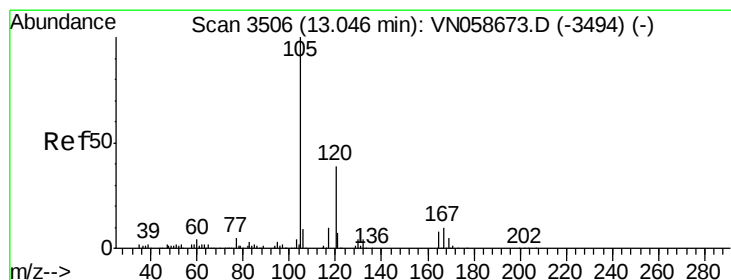
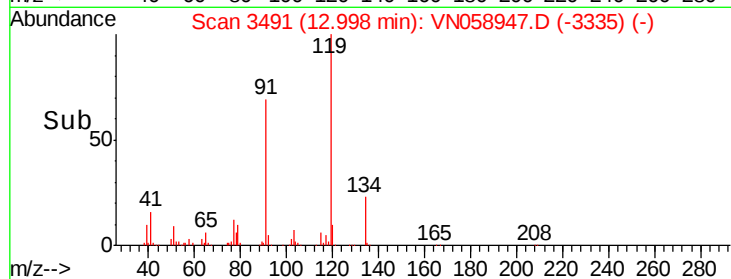
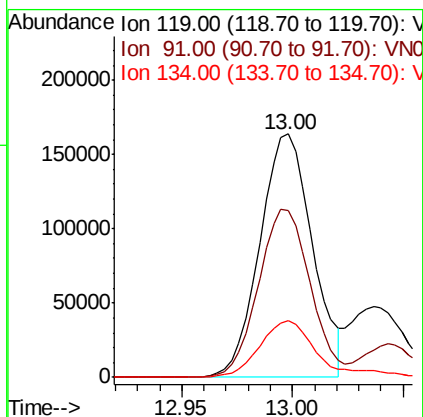
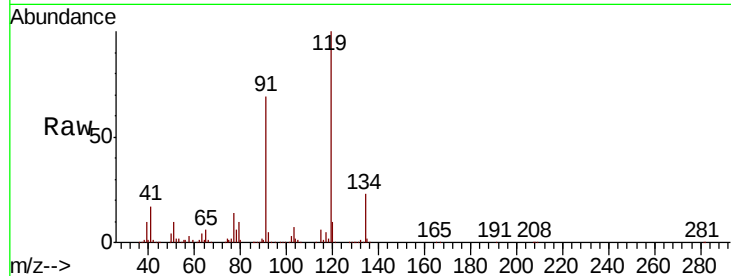




#79
tert-butylbenzene
Concen: 17.435 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

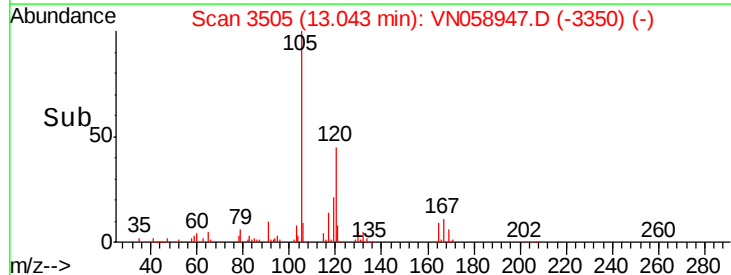
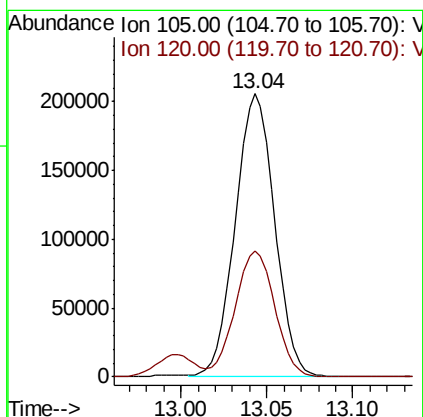
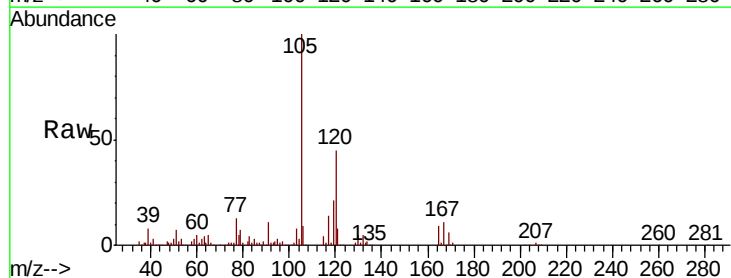
Instrument :
MSVOA_N
ClientSampled :

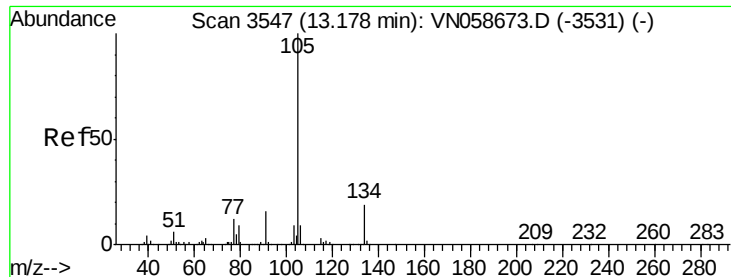
Tot Ion:119 Resp: 270637
Ion Ratio Lower Upper
119 100
91 67.9 0.0 136.4
134 23.8 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 18.167 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion:105 Resp: 328002
Ion Ratio Lower Upper
105 100
120 44.8 0.0 89.2





#81

sec-Butylbenzene

Concen: 17.798 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

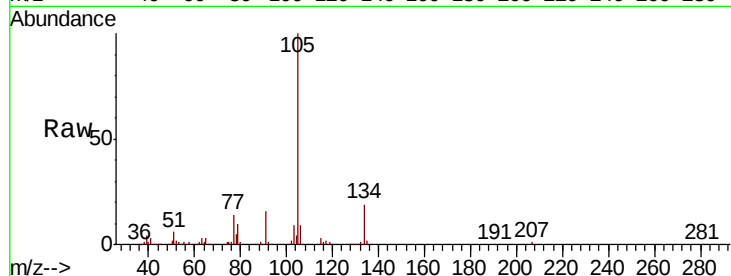
ClientSampled :

Tot Ion:105 Resp: 371816

Ion Ratio Lower Upper

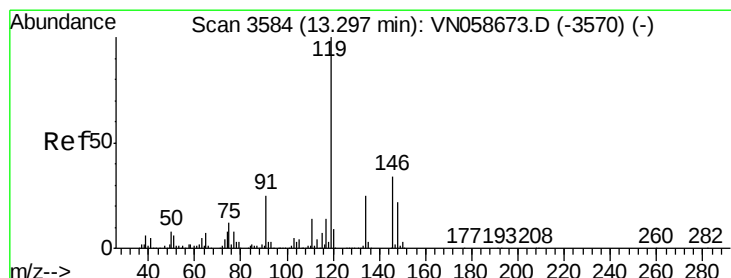
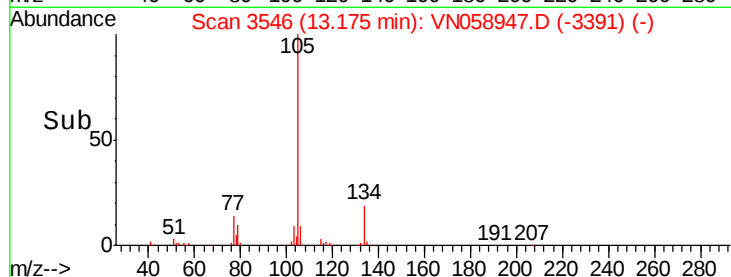
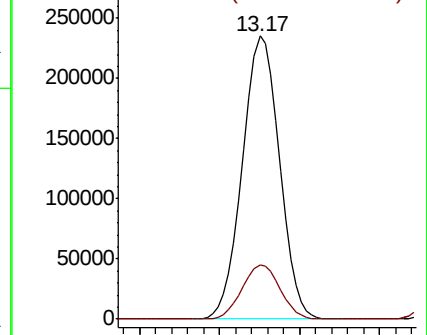
105 100

134 19.5 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.481 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

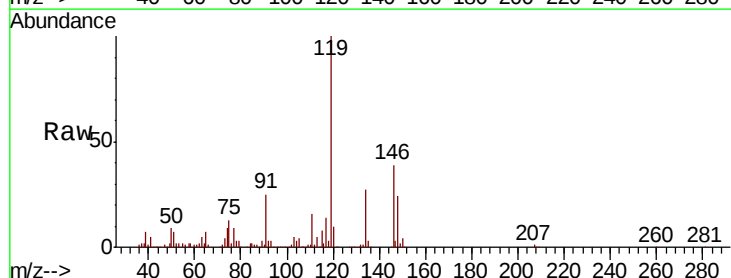
Tgt Ion:119 Resp: 327938

Ion Ratio Lower Upper

119 100

134 26.1 0.0 50.8

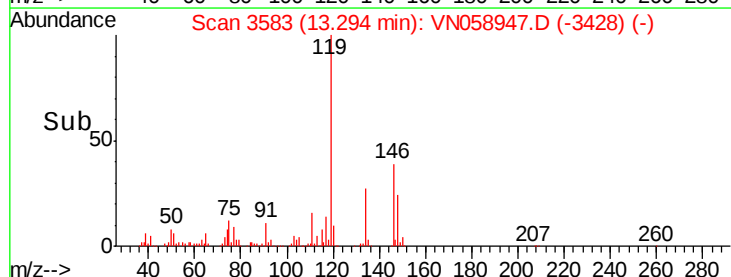
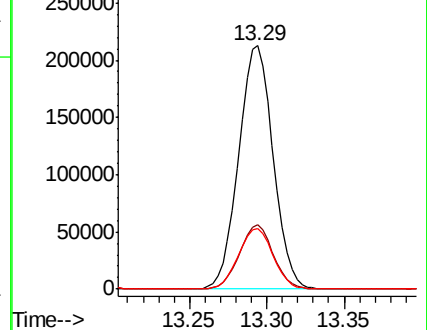
91 25.2 0.0 49.4

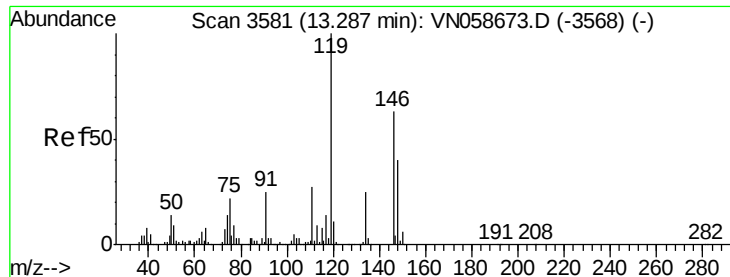


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

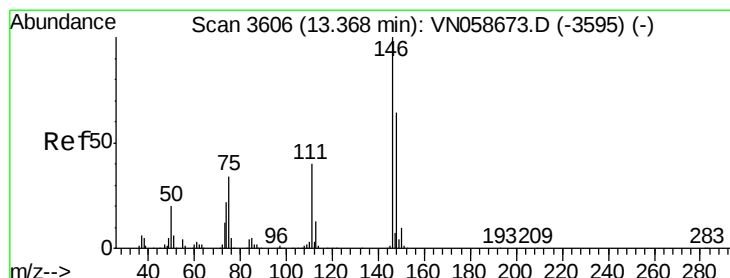
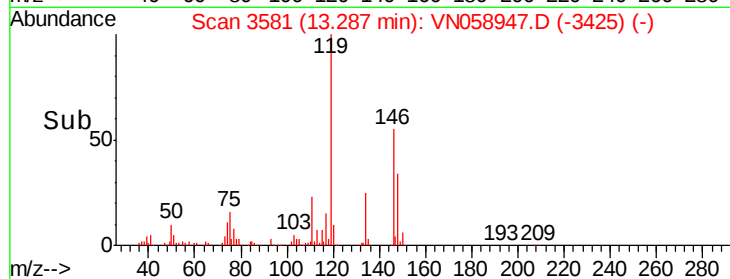
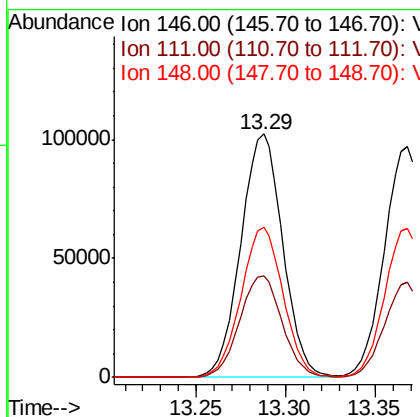
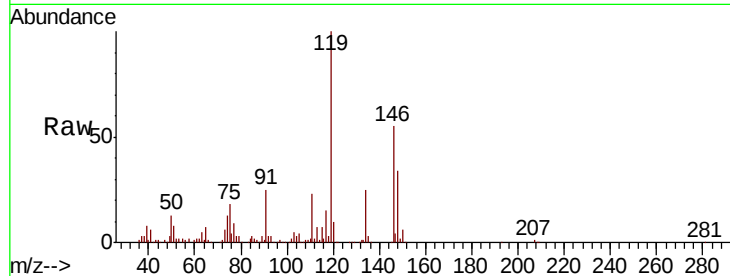




#83
 1,3-Dichlorobenzene
 Concen: 18.106 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

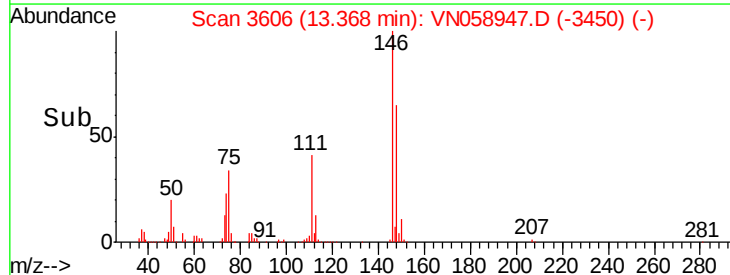
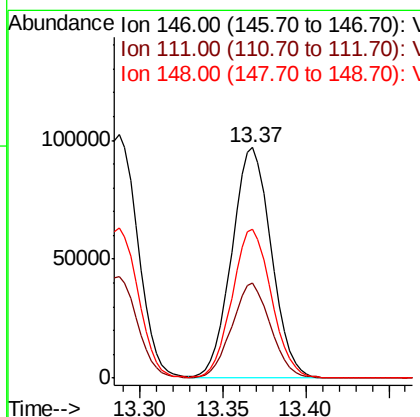
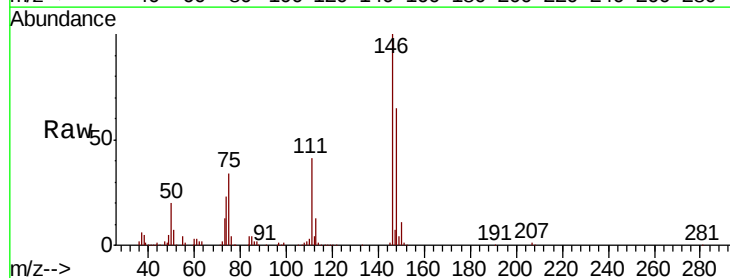
Instrument :
 MSVOA_N
 ClientSampleId :

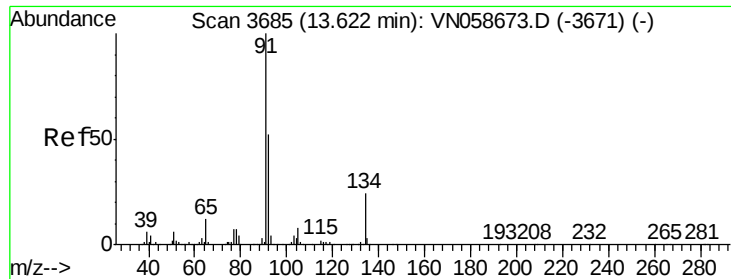
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	61.8	31.7	95.1



#84
 1,4-Dichlorobenzene
 Concen: 17.174 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.8	59.4
148	64.7	31.6	94.8

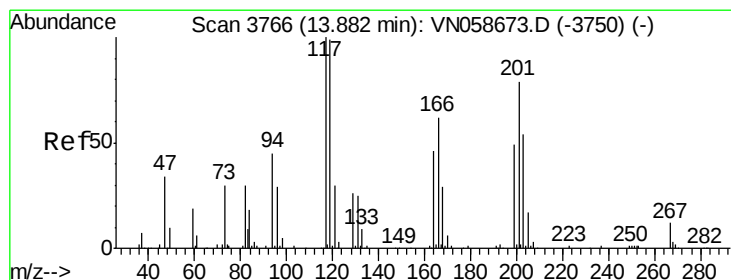
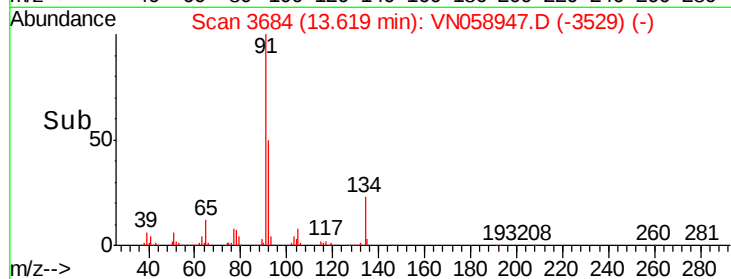
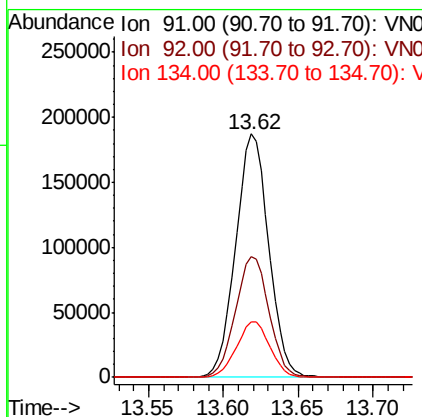
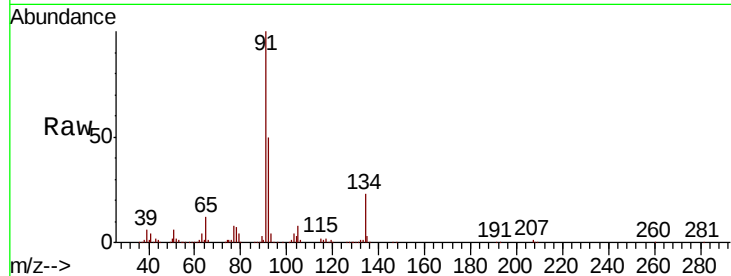




#85
n-Butylbenzene
Concen: 16.778 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

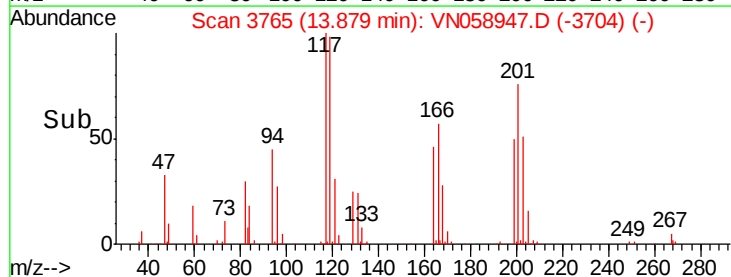
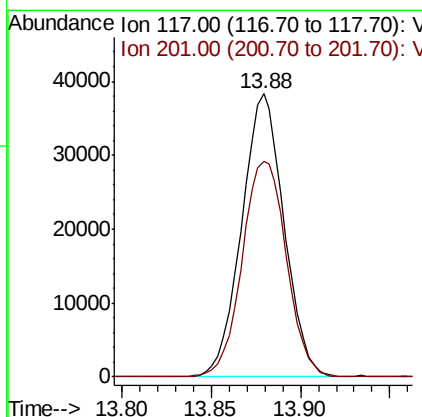
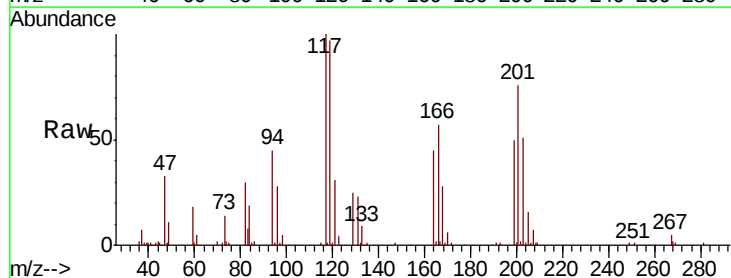
Instrument :
MSVOA_N
ClientSampled :

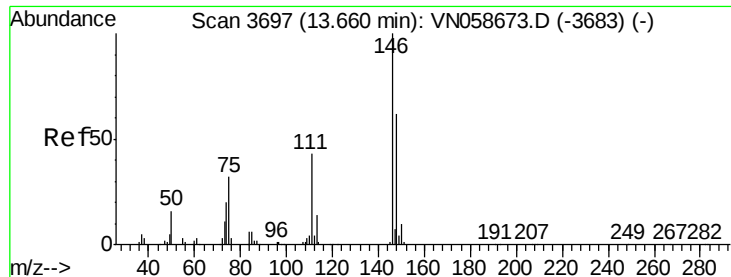
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	102.8
134	23.1	0.0	48.6



#86
Hexachloroethane
Concen: 18.613 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058947.D
Acq: 24 Oct 2019 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	38.7	116.1

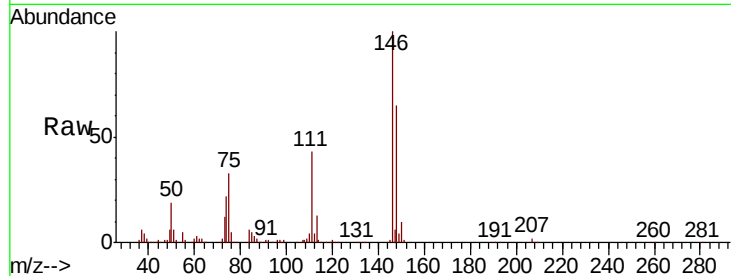




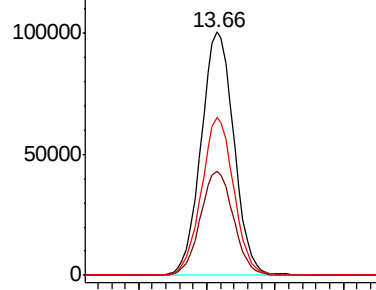
#87
 1,2-Dichlorobenzene
 Concen: 18.257 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampled :

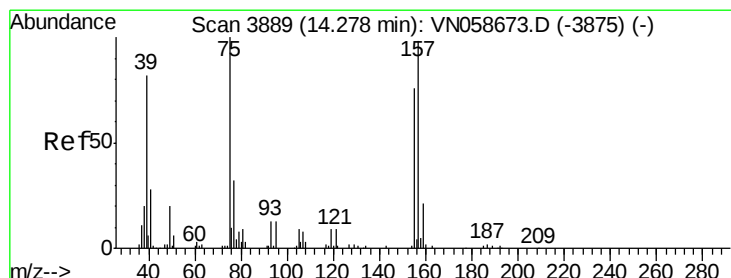
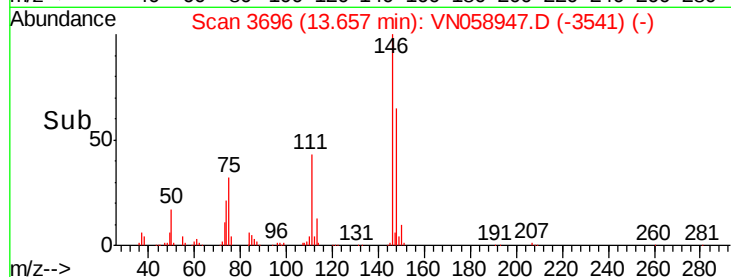
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.4
148	63.8	32.1	96.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

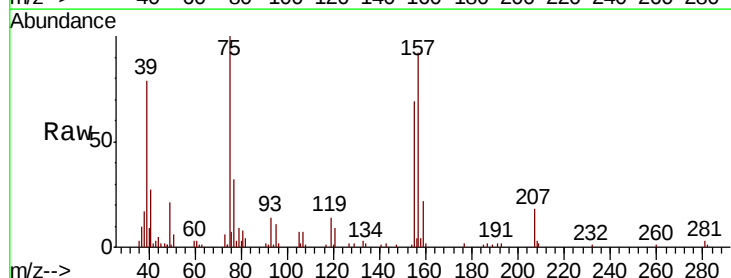


Time-->

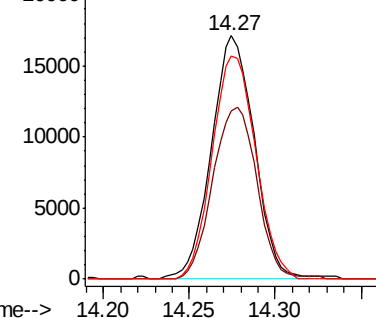


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.649 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

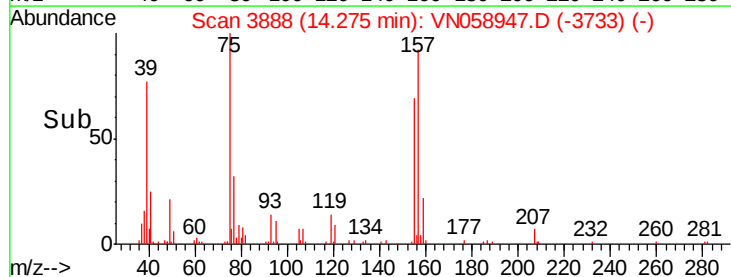
Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	58.3	87.5
157	93.1	75.0	112.6

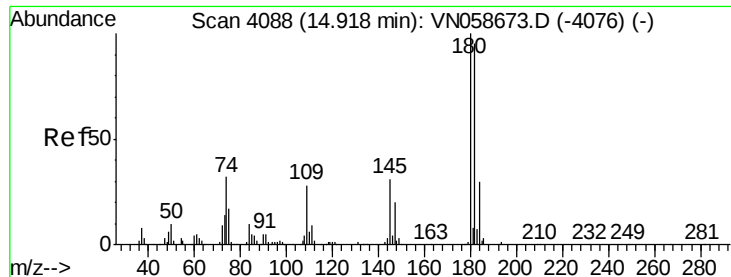


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



Time-->

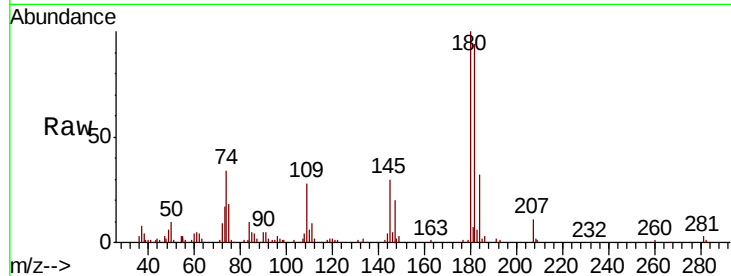




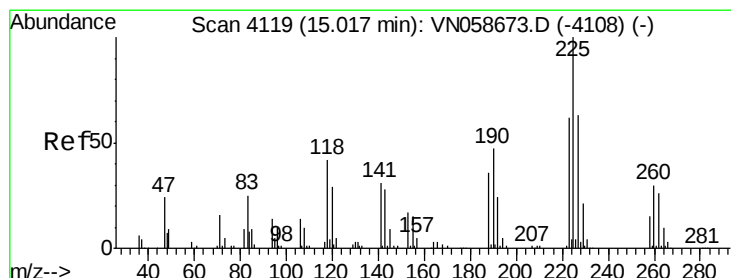
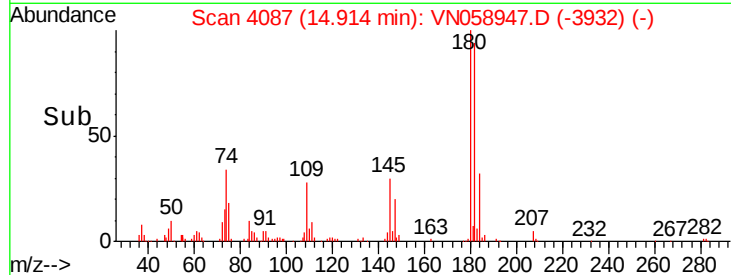
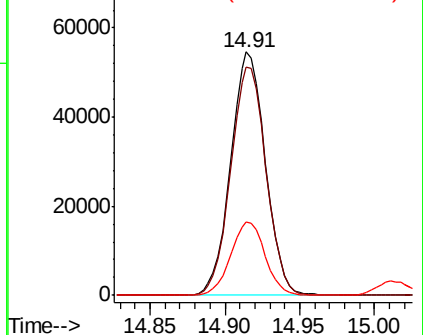
#89
 1,2,4-Trichlorobenzene
 Concen: 15.196 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 88318
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.3 112.9
 145 29.9 24.8 37.2

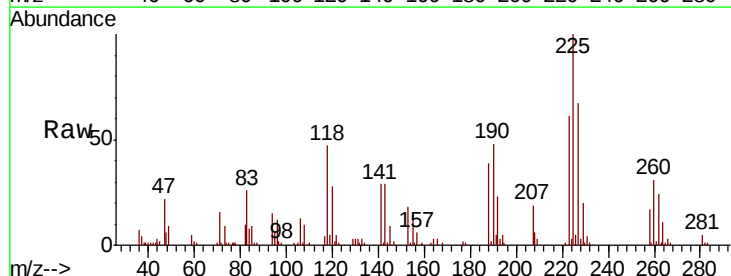


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

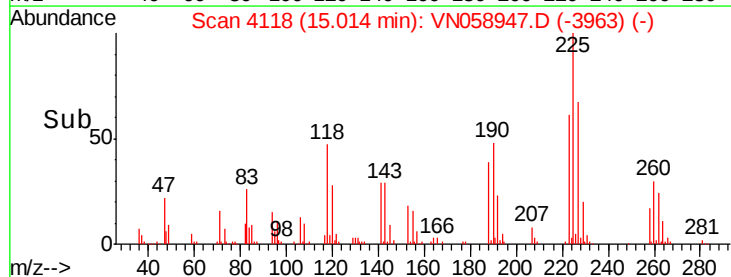
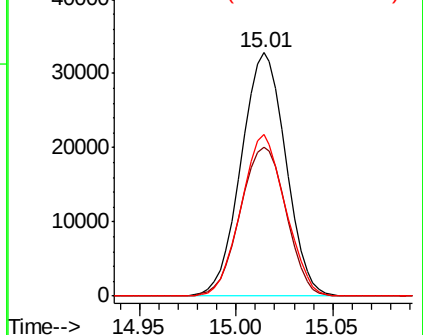


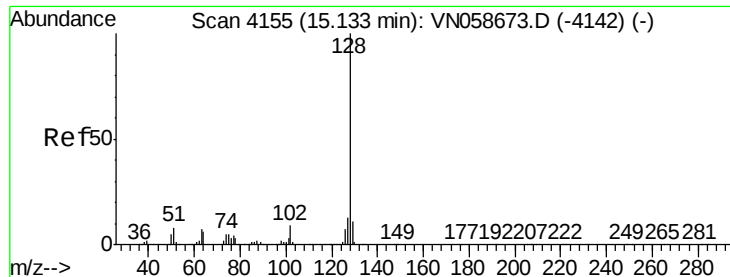
#90
 Hexachlorobutadiene
 Concen: 17.599 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058947.D
 Acq: 24 Oct 2019 9:49

Tgt Ion:225 Resp: 52820
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 126.2
 227 65.9 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 15.112 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

Instrument :

MSVOA_N

ClientSampleId :

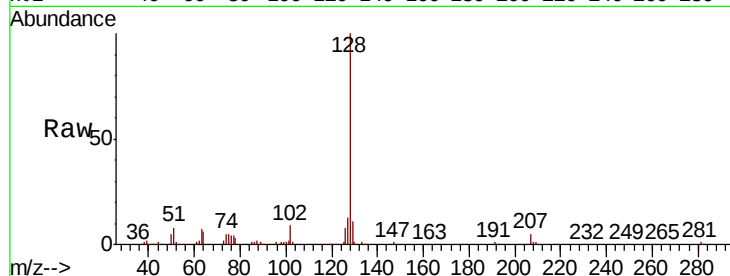
Tot Ion:128 Resp: 259320

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

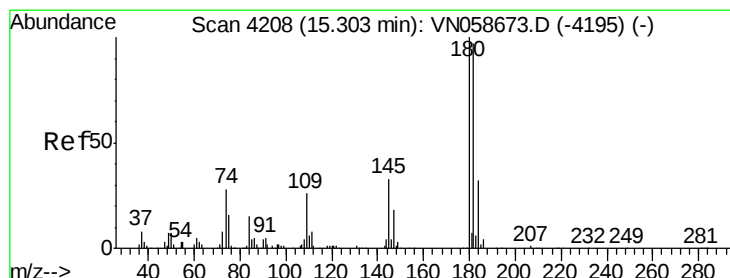
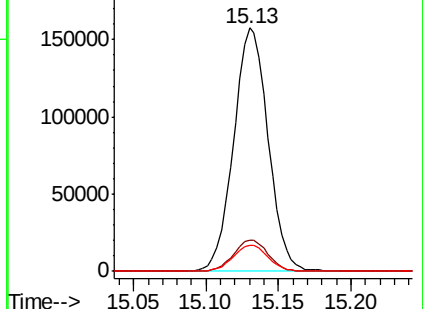
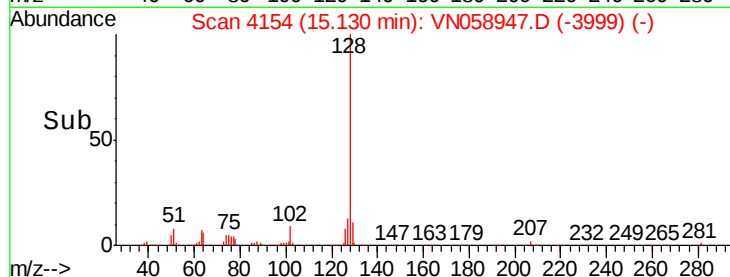
129 10.9 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 16.360 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058947.D

Acq: 24 Oct 2019 9:49

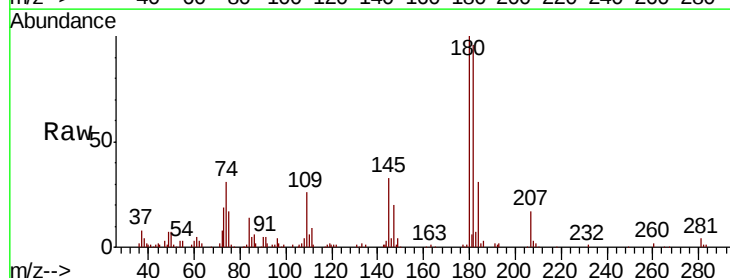
Tgt Ion:180 Resp: 92557

Ion Ratio Lower Upper

180 100

182 94.7 0.0 193.4

145 33.3 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

