

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058347.D
 Acq On : 24 Sep 2019 15:46
 Operator : JC/SP
 Sample : VN0924WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Quant Time: Sep 25 01:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	79534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	476007	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	417909	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	215482	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	12.41	95	211465	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.08	98	610691	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	99681	20.841 ug/l	100
3) Chloromethane	2.04	50	115668	20.945 ug/l	98
4) Vinyl Chloride	2.17	62	114762	20.825 ug/l	95
5) Bromomethane	2.55	94	60890	20.350 ug/l	100
6) Chloroethane	2.69	64	70709	21.712 ug/l	99
7) Trichlorofluoromethane	3.00	101	139003	21.423 ug/l	99
8) Diethyl Ether	3.39	74	58718	20.357 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94304	21.114 ug/l	97
10) 1,1-Dichloroethene	3.72	96	90825	20.802 ug/l	95
11) Methyl Iodide	3.93	142	95265	21.281 ug/l	97
12) Methyl Acetate	4.30	43	120584	20.736 ug/l	96
13) Acrolein	3.59	56	20910	126.452 ug/l	92
14) Acrylonitrile	4.96	53	247112	102.915 ug/l	99
15) Acetone	3.80	58	71149	106.867 ug/l	97
16) Carbon Disulfide	4.03	76	237224	19.551 ug/l	100
17) Allyl chloride	4.30	41	165203	20.257 ug/l	92
18) Methylene Chloride	4.53	84	107458	20.863 ug/l	96
19) trans-1,2-Dichloroethene	5.02	96	97892	19.999 ug/l	99
20) Diisopropyl ether	5.93	45	358156	20.610 ug/l	98
21) 1,1-Dichloroethane	5.83	63	204173	20.996 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	117450	20.657 ug/l	99
23) tert-Butyl Alcohol	4.76	59	86614	97.715 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	316844	20.217 ug/l	100
25) Chloroform	7.36	83	202776	20.593 ug/l	100
26) Cyclohexane	7.64	56	182013	20.026 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	153655	19.776 ug/l	98
30) 2-Butanone	6.82	43	353014	100.059 ug/l	99
31) 2,2-Dichloropropane	6.81	77	161621	20.204 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	167811	20.024 ug/l	99
33) Carbon Tetrachloride	7.76	117	140943	19.795 ug/l	99
34) Benzene	8.03	78	445722	20.222 ug/l	98
35) Methacrylonitrile	7.15	41	59135	19.487 ug/l	92
36) 1,2-Dichloroethane	8.11	62	176028	20.387 ug/l	100
37) Trichloroethene	8.82	130	108213	19.610 ug/l	98
38) Methylcyclohexane	9.07	83	184115	19.596 ug/l	97
39) 1,2-Dichloropropane	9.11	63	121071	20.137 ug/l	96
40) Dibromomethane	9.20	93	78140	20.592 ug/l	96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	145644	19.418	ug/l	97
42) Vinyl Acetate	5.87	43	1470619	109.172	ug/l	100
43) Ethyl Acetate	6.91	43	145032	20.704	ug/l	99
44) Isopropyl Acetate	8.15	43	242111	19.307	ug/l	98
45) 1,4-Dioxane	9.19	88	42130	398.252	ug/l	99
46) Methyl methacrylate	9.19	41	115255	19.394	ug/l	96
47) n-amyl Acetate	12.08	43	206052	18.878	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154785	18.887	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	173383	19.001	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	104620	19.728	ug/l	96
51) Ethyl methacrylate	10.43	69	159877	19.054	ug/l	98
52) 1,3-Dichloropropane	10.71	76	190115	20.185	ug/l	99
53) Dibromochloromethane	10.90	129	99224	18.624	ug/l	99
54) 1,2-Dibromoethane	11.00	107	108457	20.041	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	356581	100.365	ug/l	99
56) Bromoform	12.13	173	60662	18.051	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	720877	110.089	ug/l	99
59) 2-Hexanone	10.75	43	520406	105.126	ug/l	100
61) Tetrachloroethene	10.63	164	89693	20.486	ug/l	98
62) Toluene	10.15	91	477640	20.869	ug/l	100
64) Chlorobenzene	11.43	112	285384	20.290	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	99538	20.188	ug/l	98
66) Ethyl Benzene	11.51	91	532000	21.317	ug/l	100
67) m/p-Xylenes	11.62	106	388636	40.561	ug/l	100
68) o-Xylene	11.95	106	187009	20.072	ug/l	98
69) Styrene	11.97	104	310093	19.903	ug/l	98
70) Isopropylbenzene	12.25	105	506742	20.988	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	153392	19.989	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	191850	29.070	ug/l	62
73) Bromobenzene	12.53	156	116539	19.928	ug/l	98
74) n-propylbenzene	12.60	91	604263	21.709	ug/l	99
75) 2-Chlorotoluene	12.68	91	349944	20.099	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	429973	20.682	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37801	17.560	ug/l	95
78) 4-Chlorotoluene	12.78	91	355548	19.924	ug/l	99
79) tert-butylbenzene	13.00	119	371317	20.629	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	425647	20.512	ug/l	98
81) sec-Butylbenzene	13.18	105	497913	21.090	ug/l	100
82) p-Isopropyltoluene	13.30	119	445370	20.948	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	210514	19.511	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	210411	19.594	ug/l	99
85) n-Butylbenzene	13.62	91	402777	20.391	ug/l	99
86) Hexachloroethane	13.88	117	65864	19.180	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	208356	19.776	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	28359	18.935	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	128571	18.679	ug/l	99
90) Hexachlorobutadiene	15.02	225	64574	19.389	ug/l	98
91) Naphthalene	15.14	128	377402	19.966	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	119065	18.011	ug/l	99

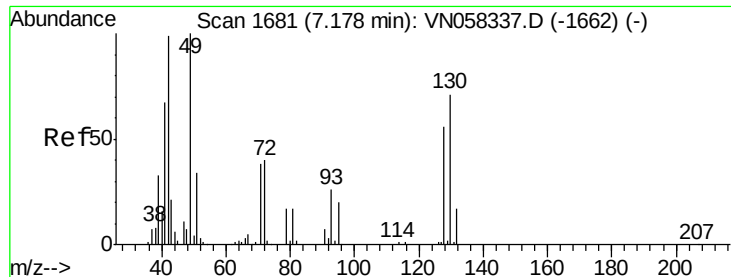
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

VN0924WBSD01

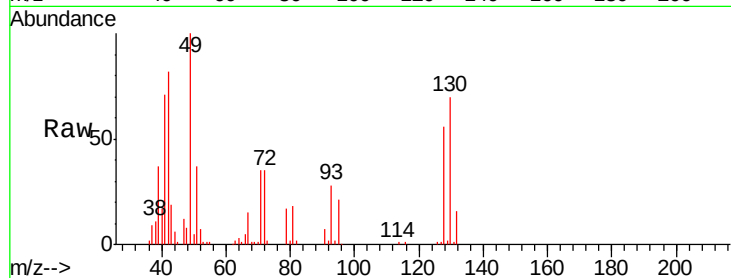
Tgt Ion:128 Resp: 79534

Ion Ratio Lower Upper

128 100

49 186.8 0.0 458.5

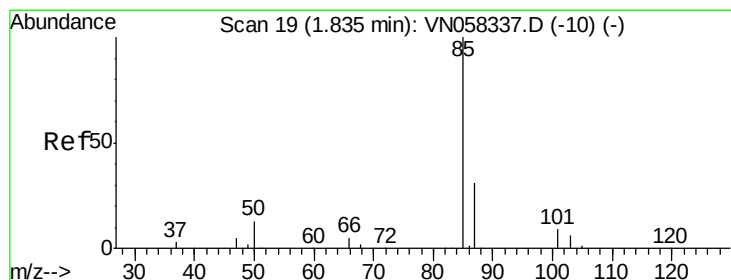
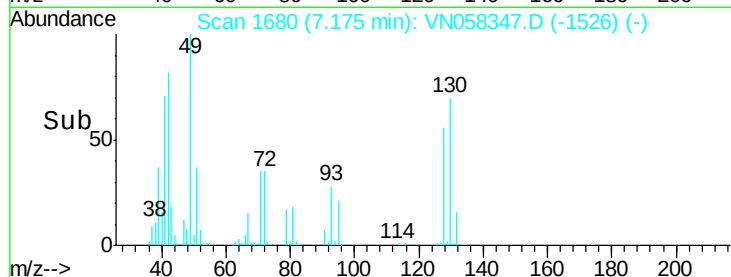
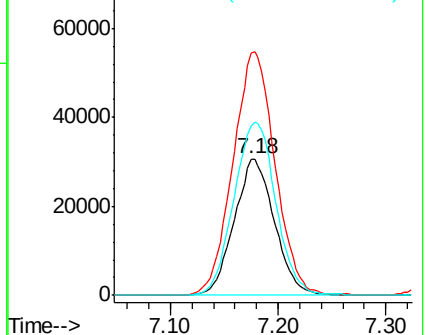
130 132.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.841 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058347.D

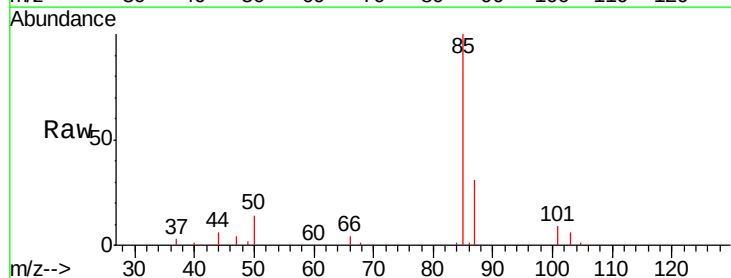
Acq: 24 Sep 2019 15:46

Tgt Ion: 85 Resp: 99681

Ion Ratio Lower Upper

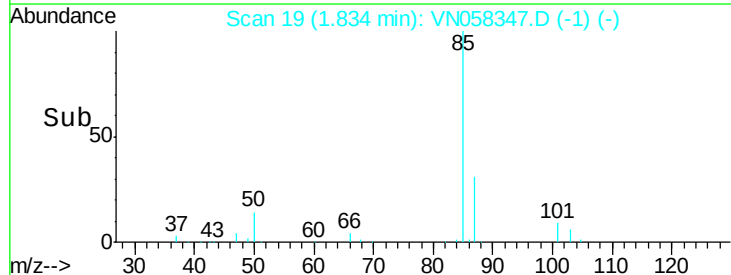
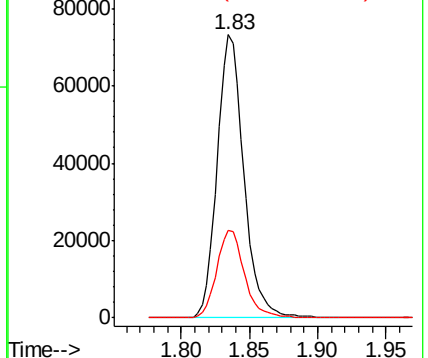
85 100

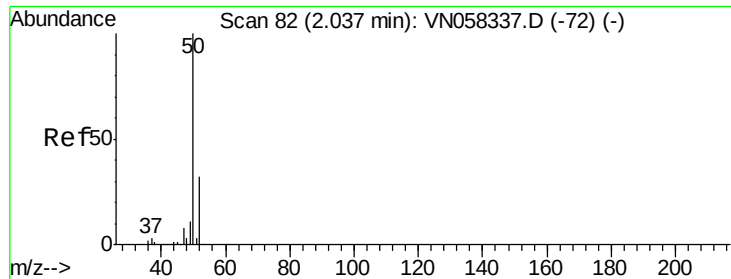
87 30.8 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

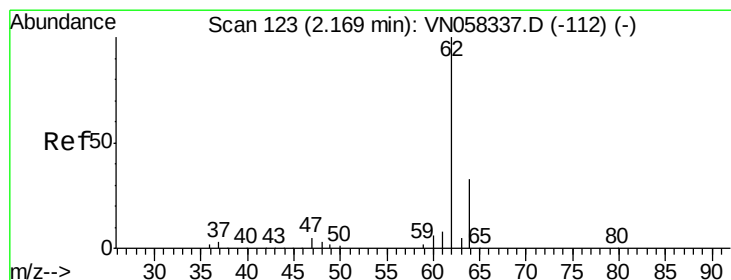
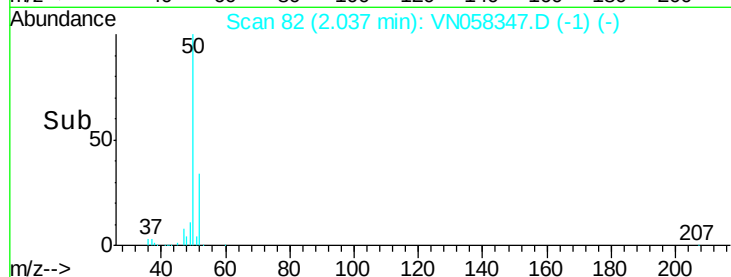
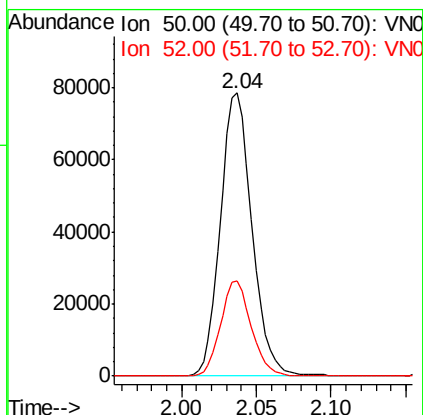
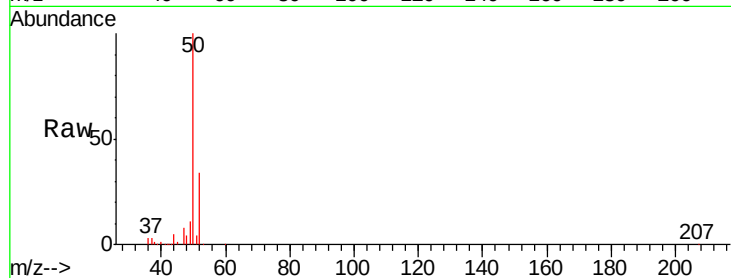




#3
Chloromethane
Concen: 20.945 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

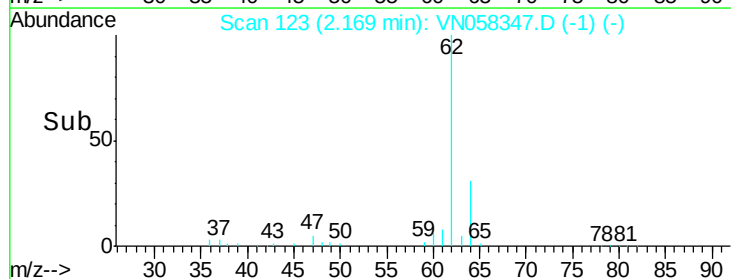
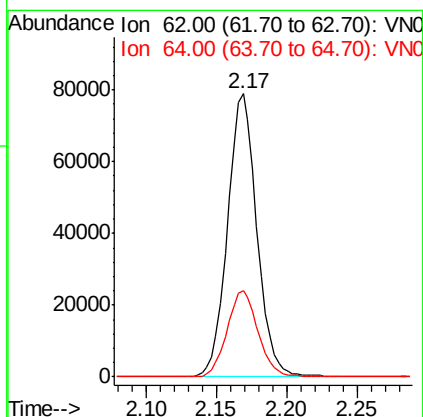
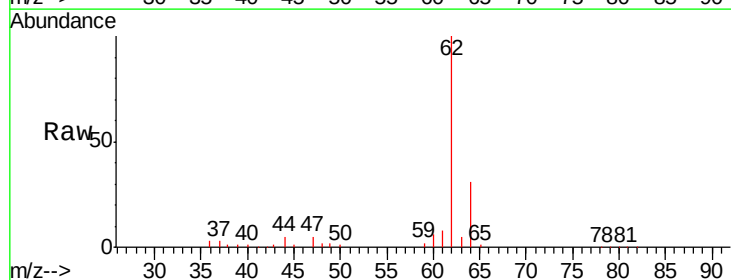
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

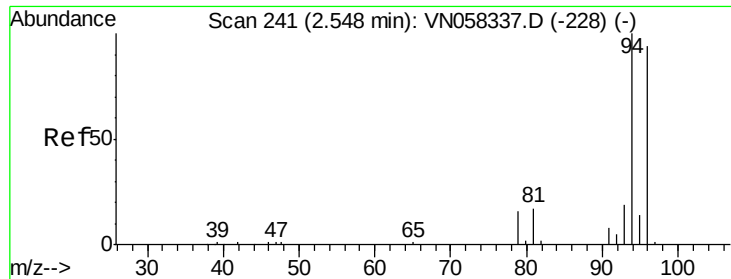
Tgt Ion: 50 Resp: 115668
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9



#4
Vinyl Chloride
Concen: 20.825 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 62 Resp: 114762
Ion Ratio Lower Upper
62 100
64 30.6 26.6 40.0

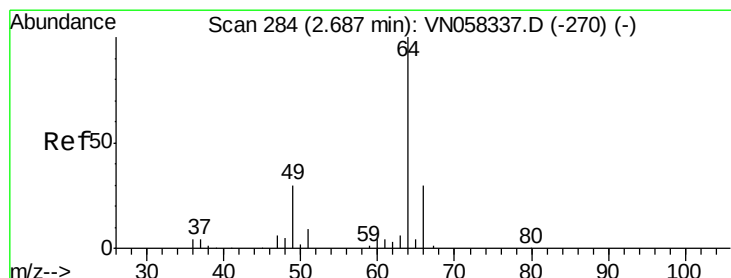
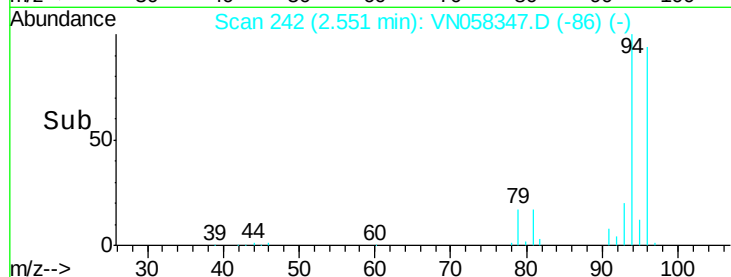
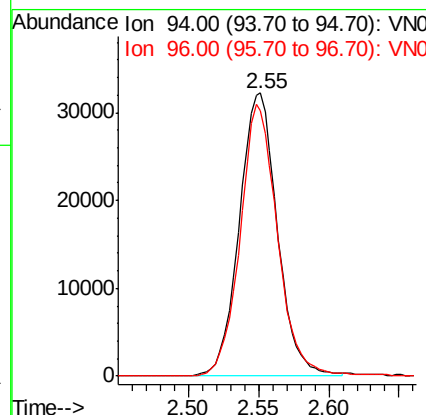
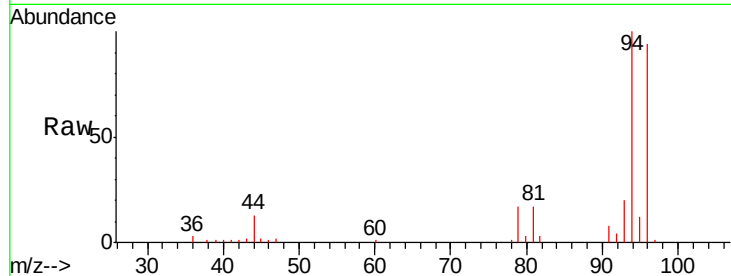




#5
Bromomethane
Concen: 20.350 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

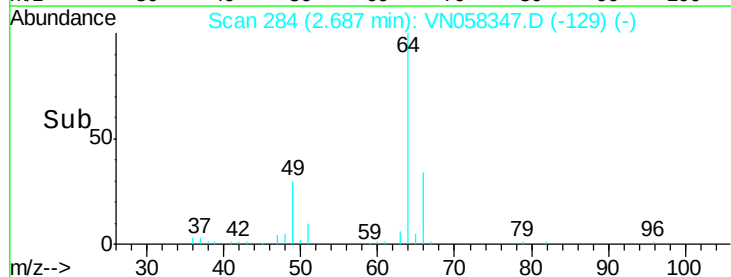
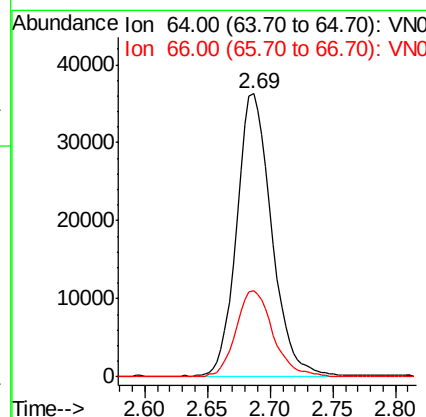
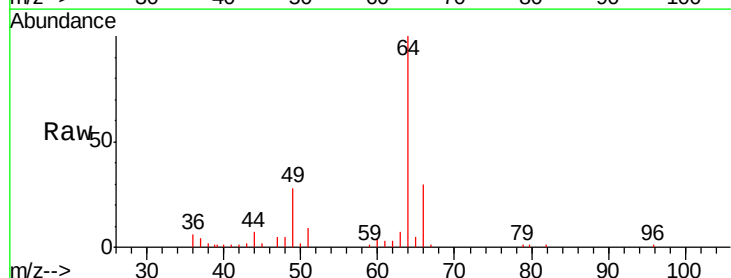
Instrument :
MSVOA_N
ClientSampleId :
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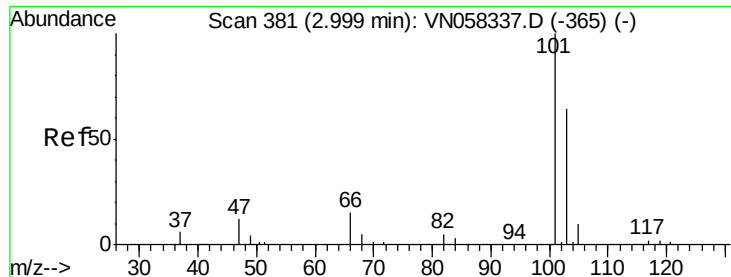
Tgt Ion: 94 Resp: 60890
Ion Ratio Lower Upper
94 100
96 94.0 74.8 112.2



#6
Chloroethane
Concen: 21.712 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 64 Resp: 70709
Ion Ratio Lower Upper
64 100
66 30.5 23.8 35.6



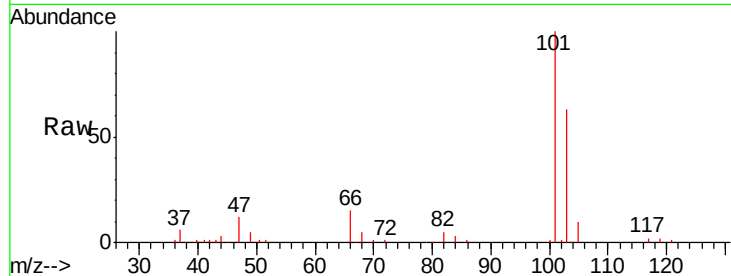


#7

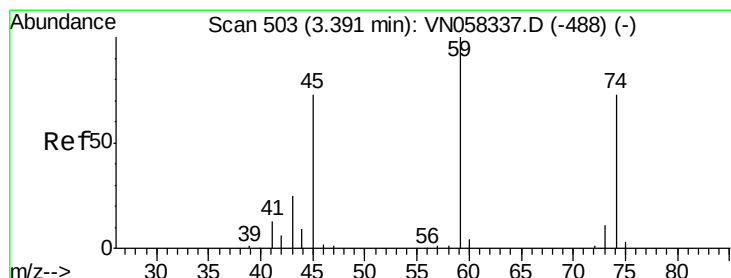
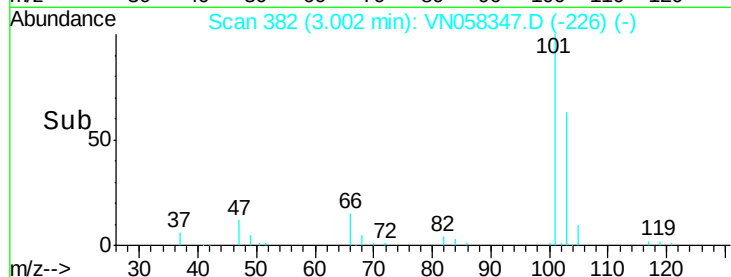
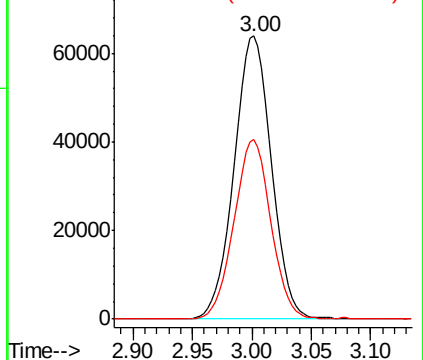
Trichlorofluoromethane
 Concen: 21.423 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tgt Ion:101 Resp: 139003
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3



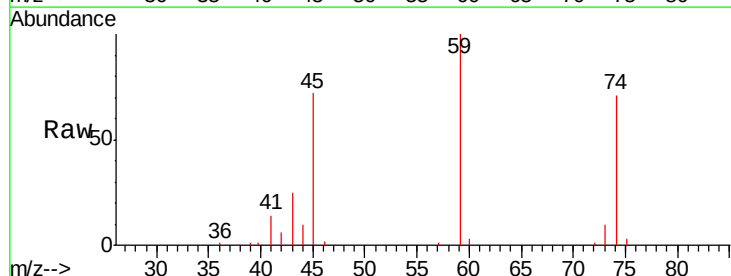
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



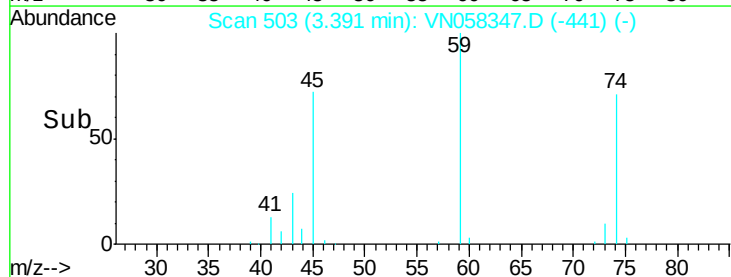
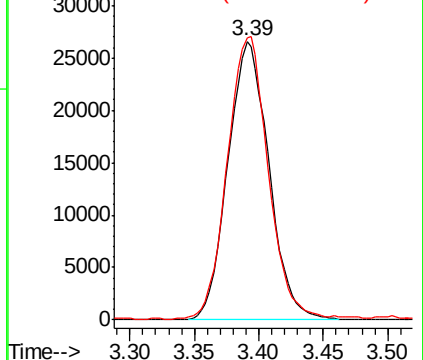
#8

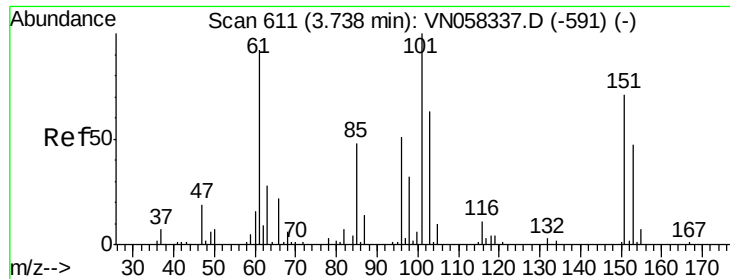
Diethyl Ether
 Concen: 20.357 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 74 Resp: 58718
 Ion Ratio Lower Upper
 74 100
 45 99.8 20.8 187.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.114 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

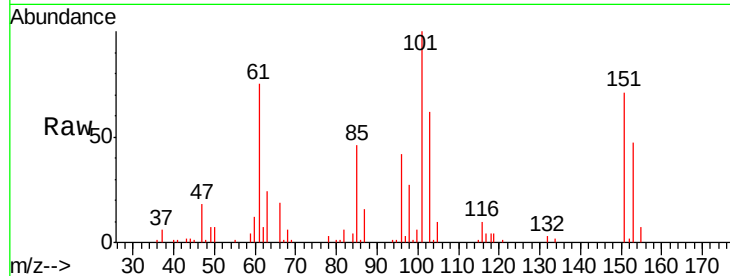
Tgt Ion:101 Resp: 94304

Ion Ratio Lower Upper

101 100

85 47.4 0.0 93.0

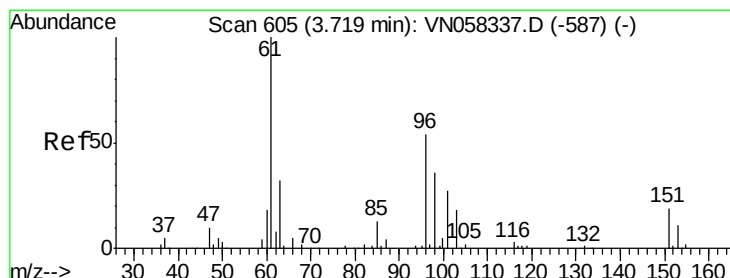
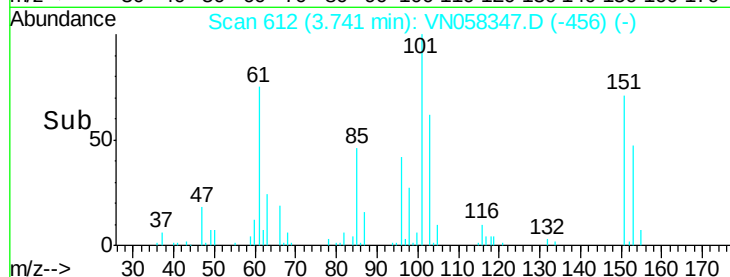
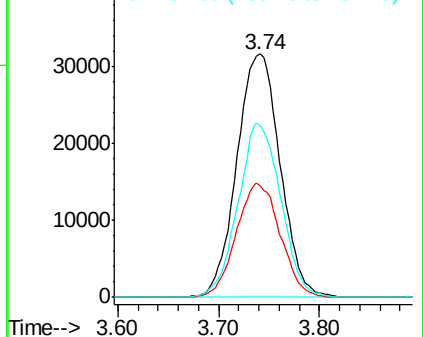
151 70.4 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.802 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

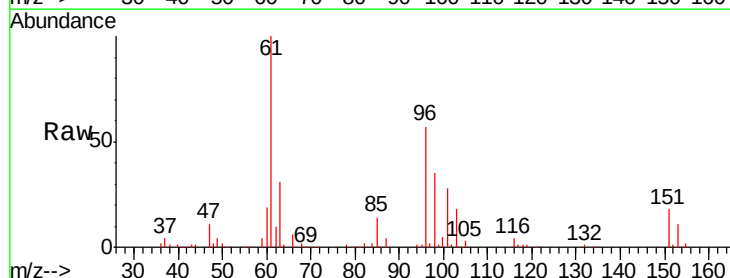
Tgt Ion: 96 Resp: 90825

Ion Ratio Lower Upper

96 100

61 176.3 146.9 220.3

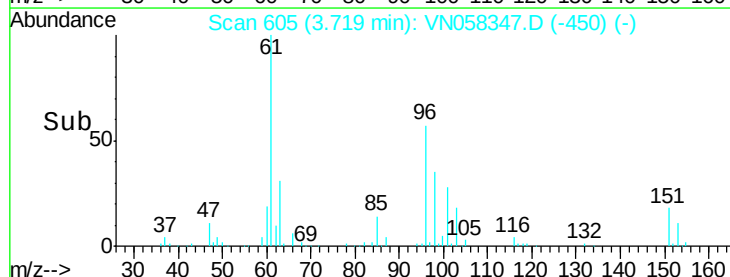
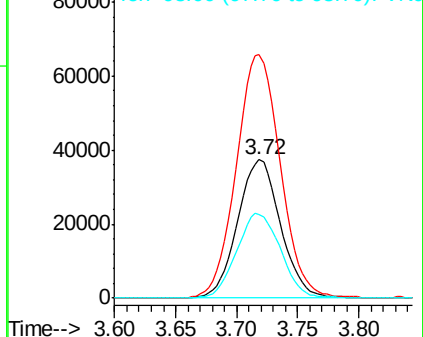
98 60.9 52.3 78.5

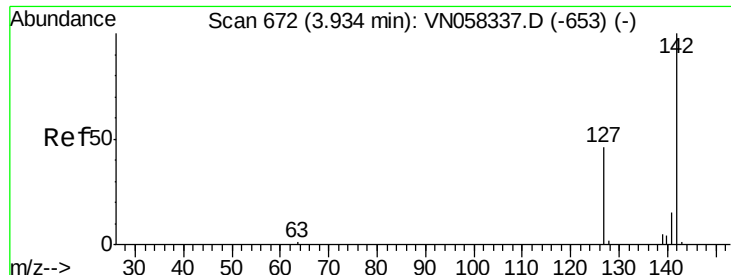


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

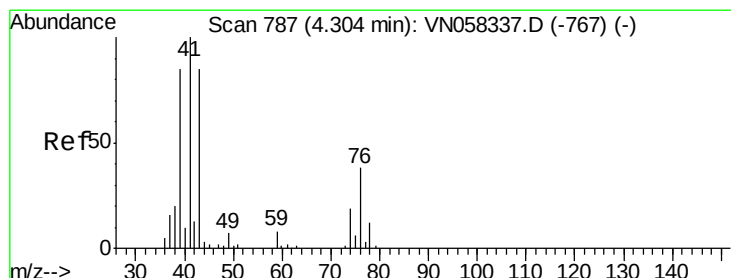
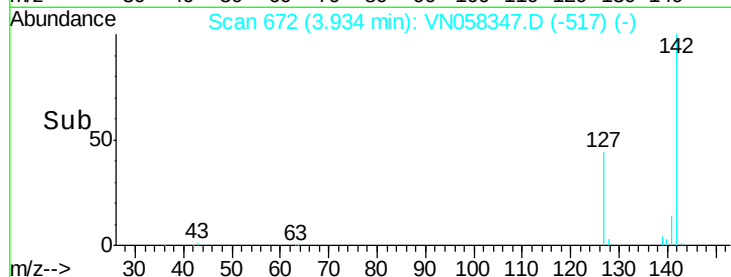
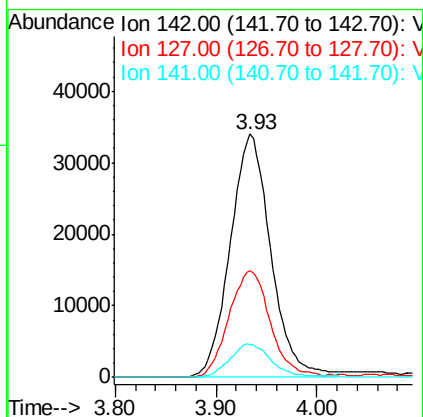
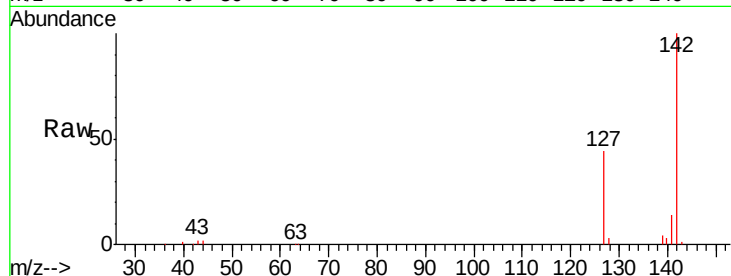




#11
Methyl Iodide
Concen: 21.281 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

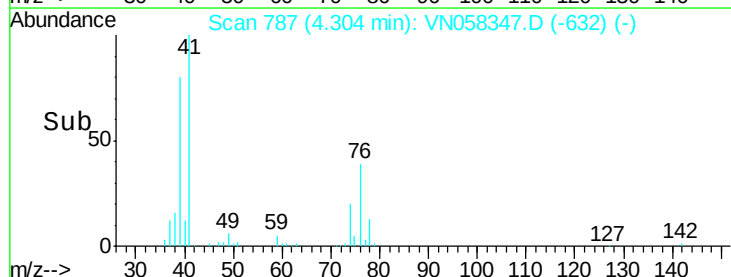
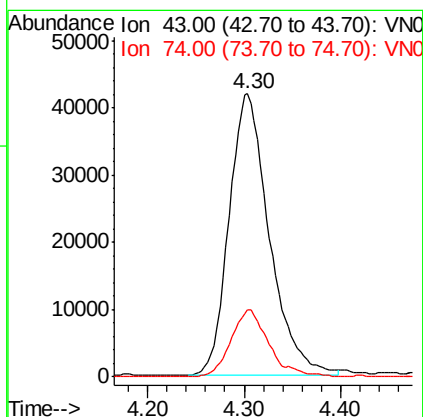
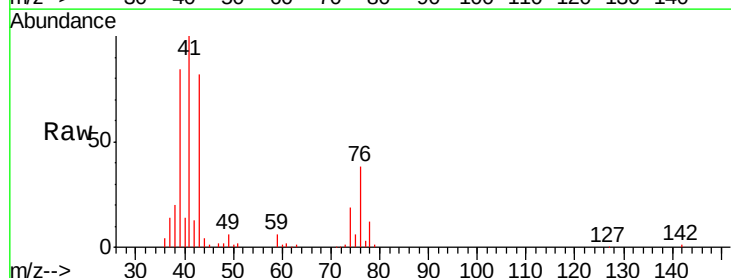
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

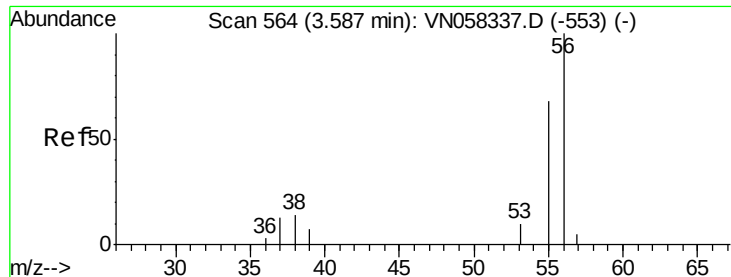
Tgt Ion:142 Resp: 95265
Ion Ratio Lower Upper
142 100
127 43.8 22.9 68.7
141 13.5 7.4 22.3



#12
Methyl Acetate
Concen: 20.736 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 43 Resp: 120584
Ion Ratio Lower Upper
43 100
74 23.9 17.8 26.6





#13

Acrolein

Concen: 126.452 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

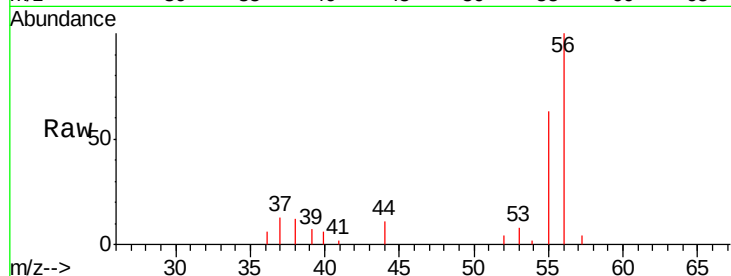
VN0924WBSD01

Tgt Ion: 56 Resp: 20910

Ion Ratio Lower Upper

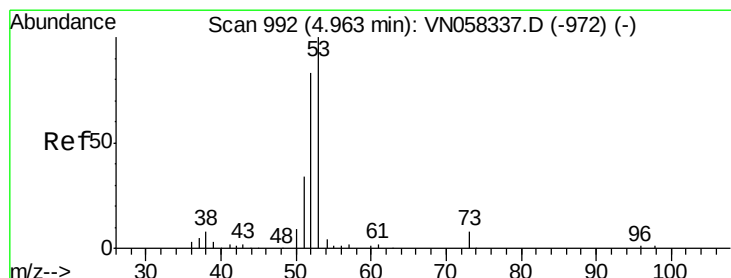
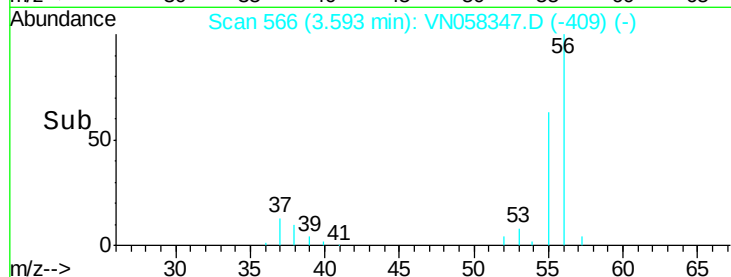
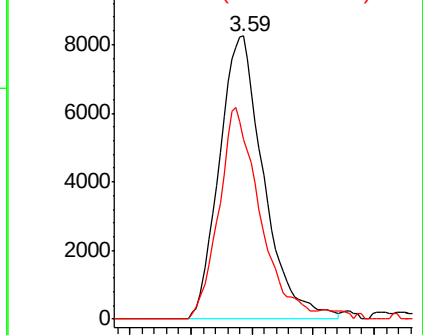
56 100

55 66.1 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.915 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

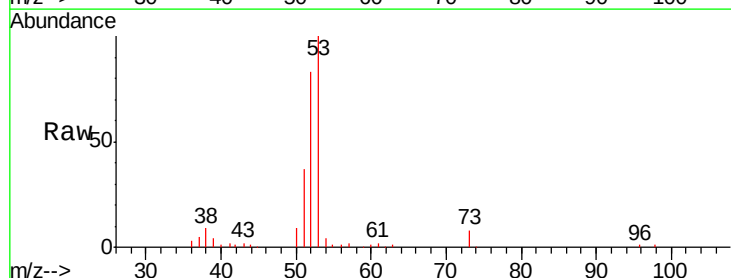
Tgt Ion: 53 Resp: 247112

Ion Ratio Lower Upper

53 100

52 81.5 41.3 123.7

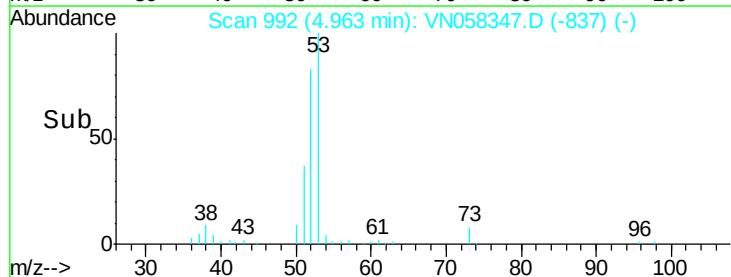
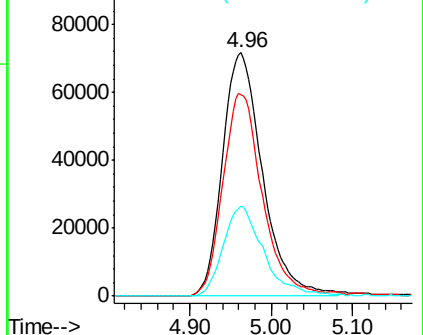
51 37.2 18.3 54.8

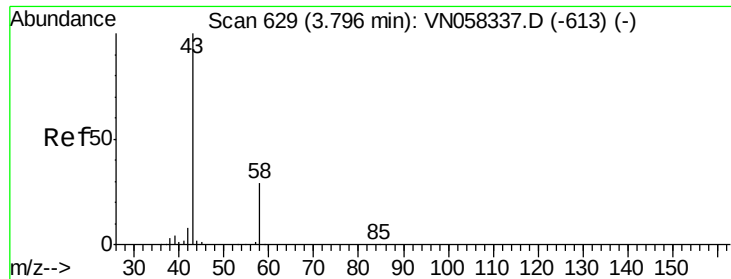


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 106.867 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

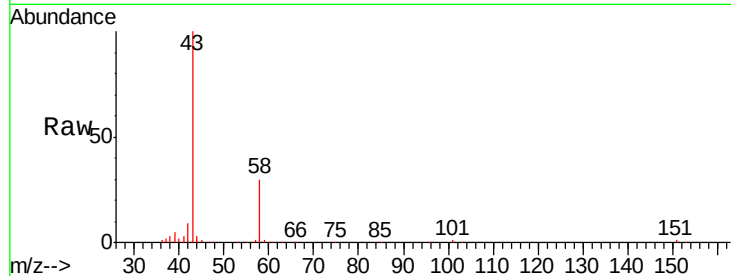
VN0924WBSD01

Tgt Ion: 58 Resp: 71149

Ion Ratio Lower Upper

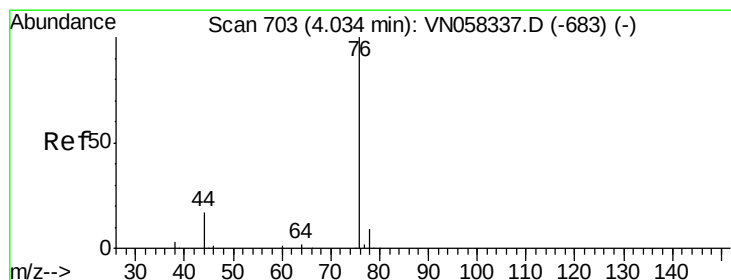
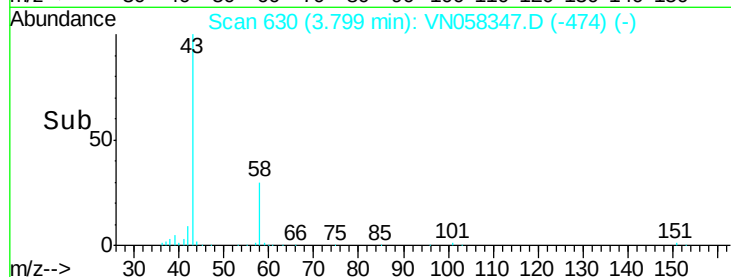
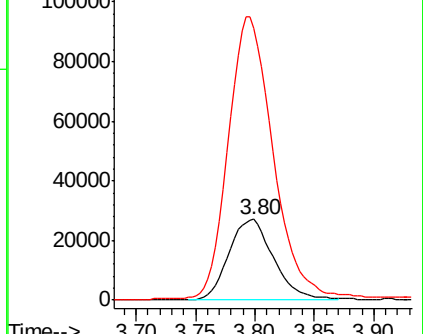
58 100

43 334.2 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.551 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058347.D

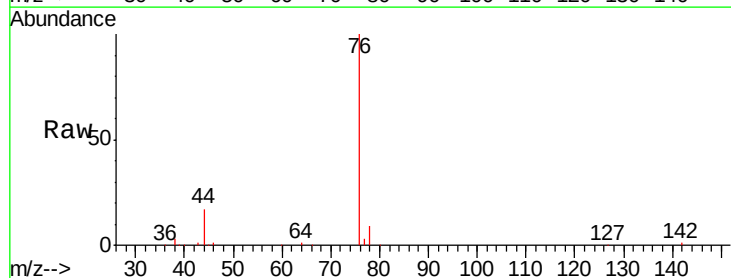
Acq: 24 Sep 2019 15:46

Tgt Ion: 76 Resp: 237224

Ion Ratio Lower Upper

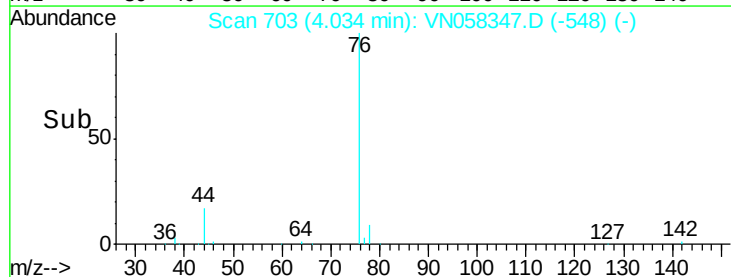
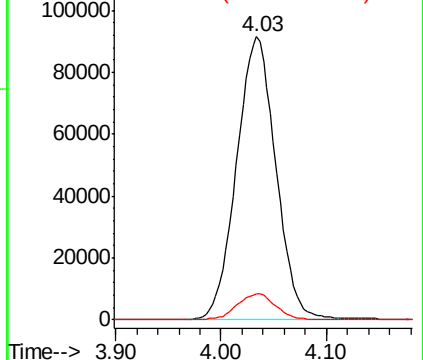
76 100

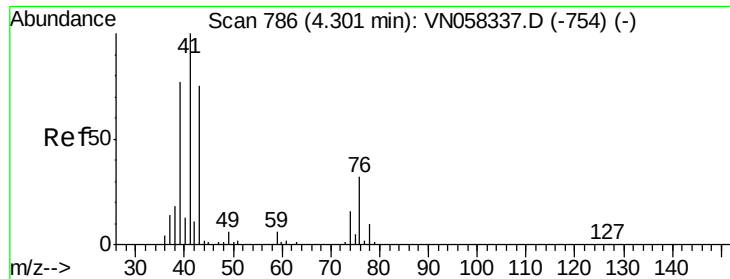
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

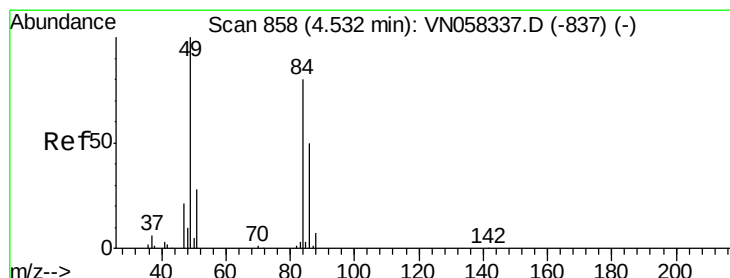
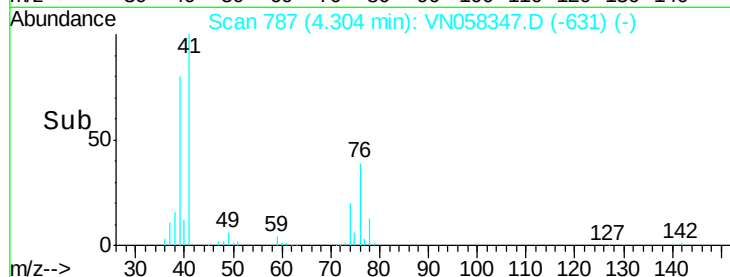
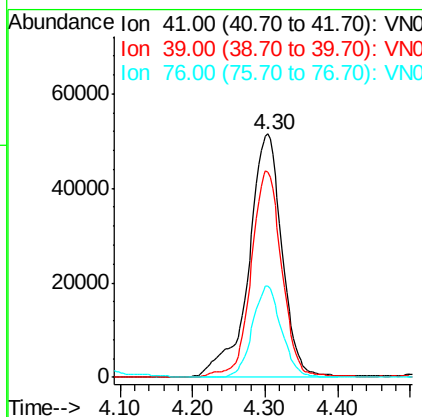
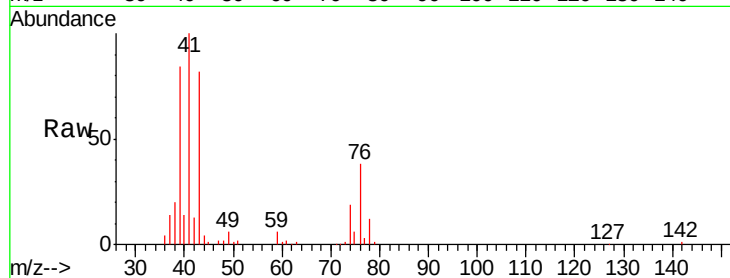




#17
 Allyl chloride
 Concen: 20.257 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

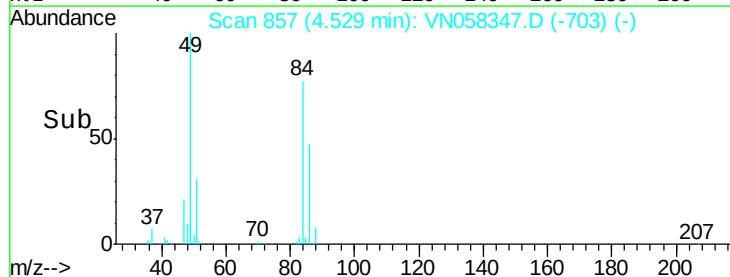
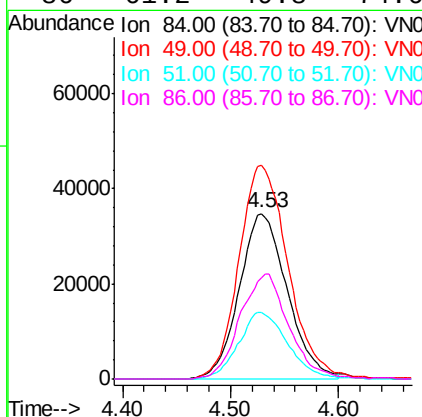
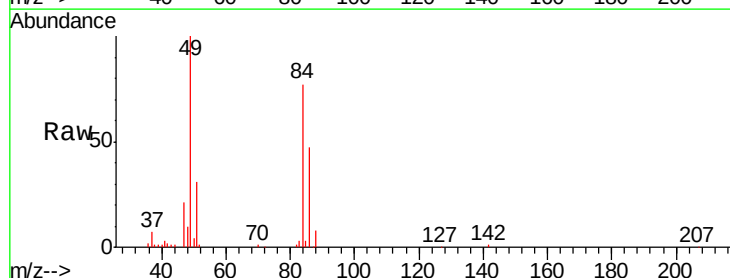
Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

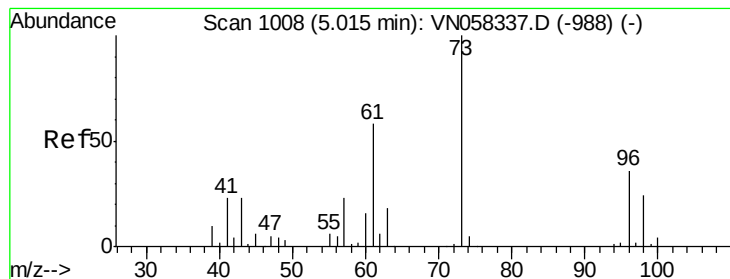
Tgt Ion: 41 Resp: 165203
 Ion Ratio Lower Upper
 41 100
 39 84.3 38.7 116.1
 76 37.6 16.4 49.1



#18
 Methylene Chloride
 Concen: 20.863 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 84 Resp: 107458
 Ion Ratio Lower Upper
 84 100
 49 129.3 99.8 149.6
 51 39.9 28.3 42.5
 86 61.2 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

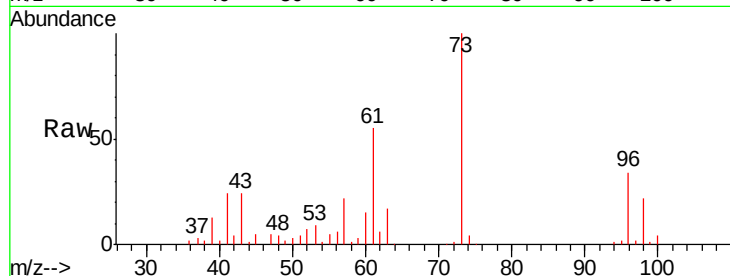
Tgt Ion: 96 Resp: 97892

Ion Ratio Lower Upper

96 100

61 159.9 128.0 192.0

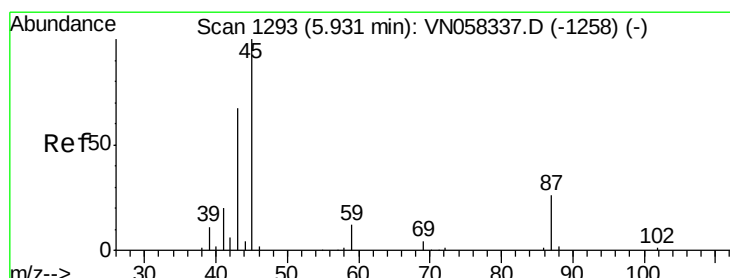
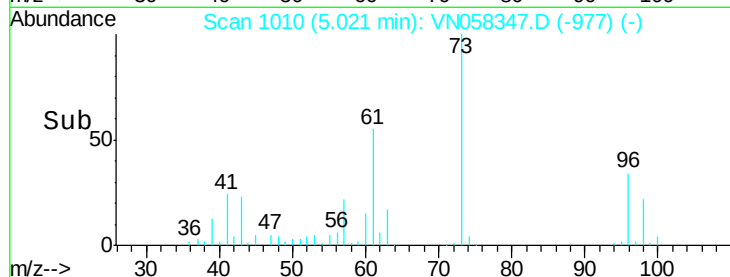
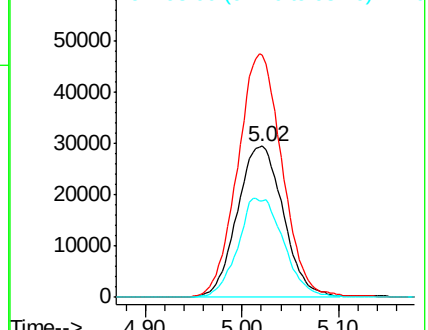
98 63.9 53.0 79.6



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: 20.610 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion: 45 Resp: 358156

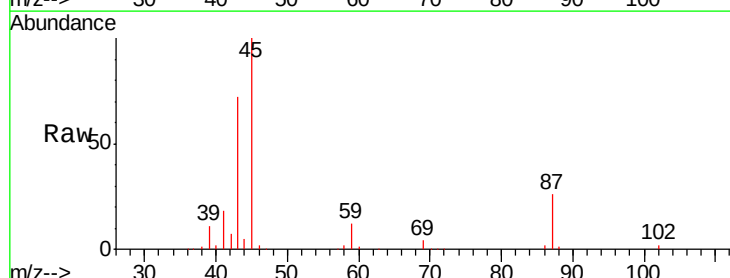
Ion Ratio Lower Upper

45 100

43 69.6 54.1 81.1

87 25.9 21.4 32.2

59 11.2 9.3 13.9

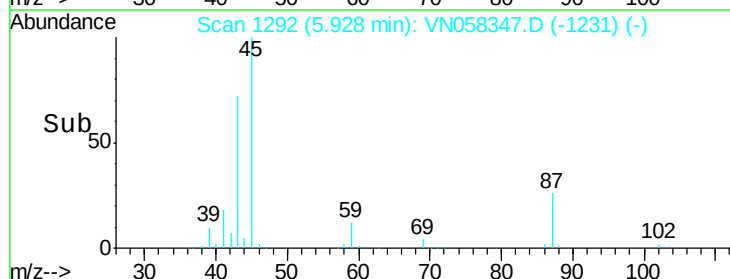
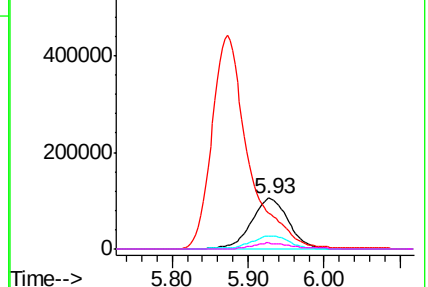


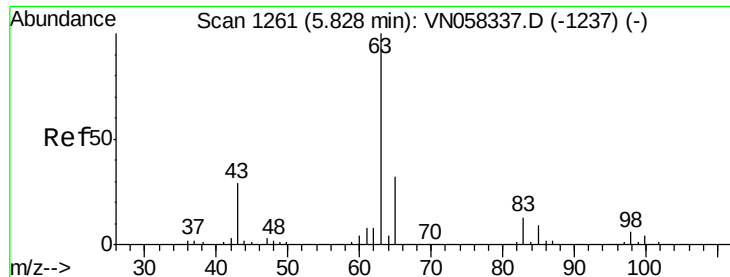
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

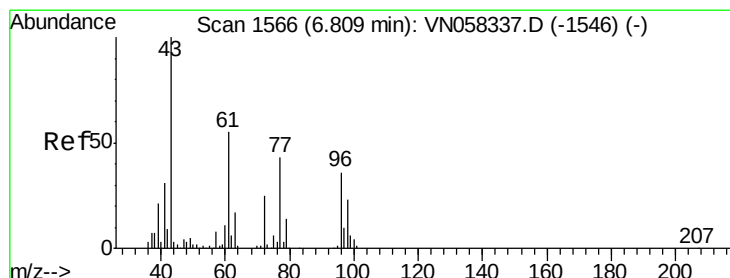
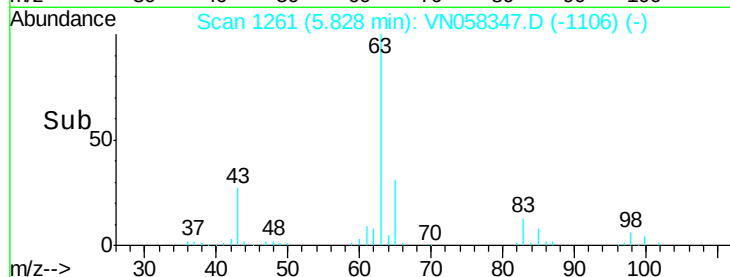
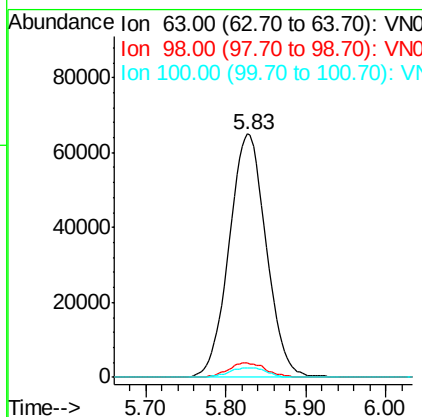
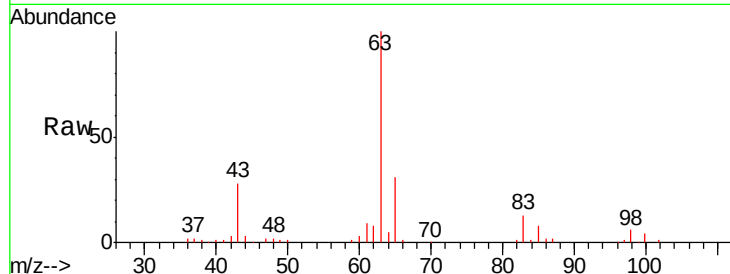




#21
 1,1-Dichloroethane
 Concen: 20.996 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

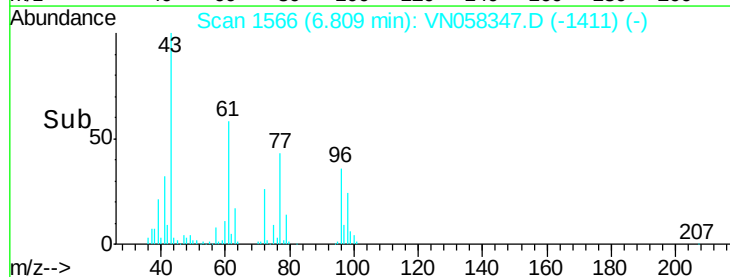
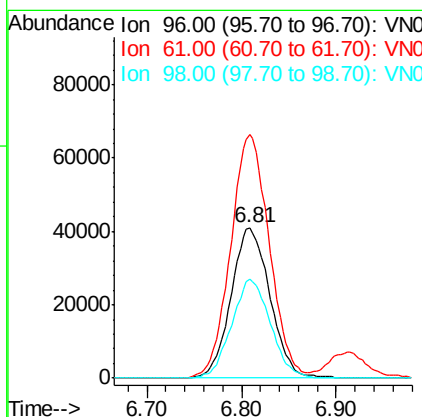
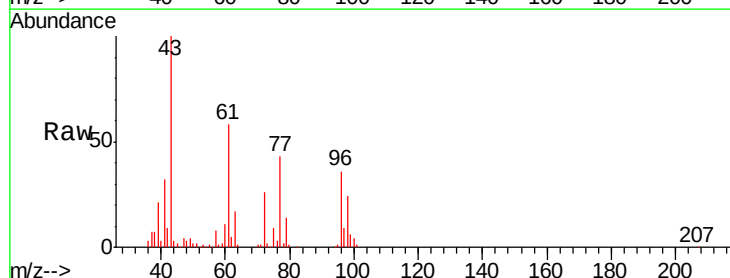
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

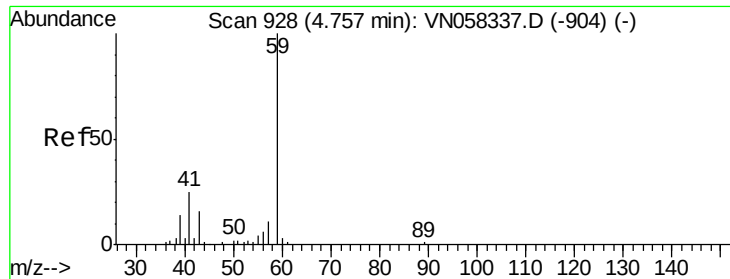
Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.9	2.1	6.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.657 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	128.2	192.2
98	65.1	50.6	76.0





#23

tert-Butyl Alcohol

Concen: 97.715 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

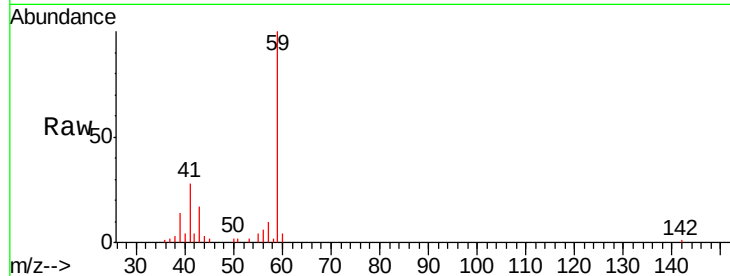
VN0924WBSD01

Tgt Ion: 59 Resp: 86614

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.76

25000

20000

15000

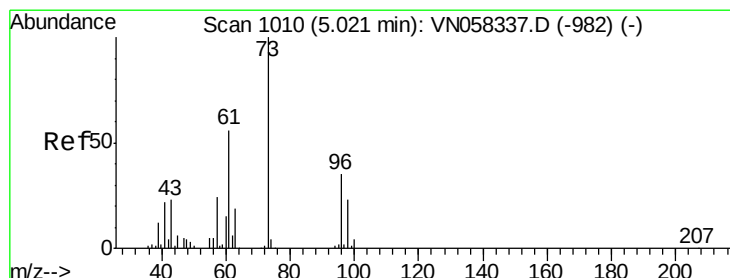
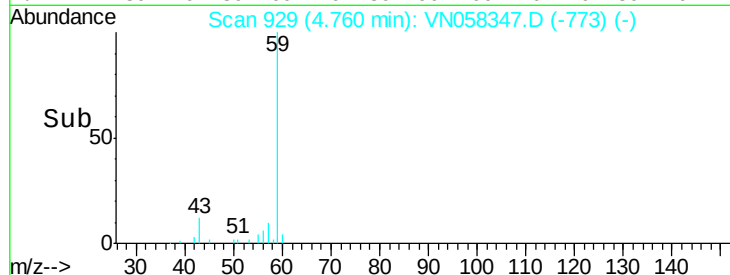
10000

5000

0

4.70 4.80

Time-->



#24

Methyl tert-Butyl Ether

Concen: 20.217 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN058347.D

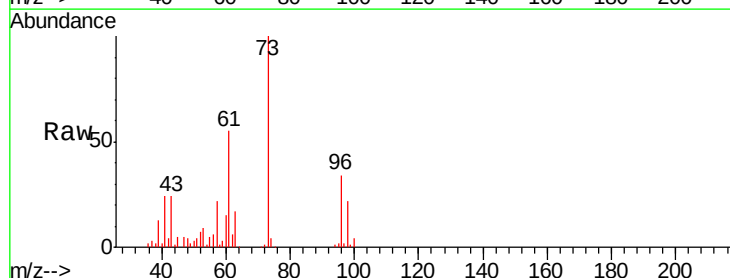
Acq: 24 Sep 2019 15:46

Tgt Ion: 73 Resp: 316844

Ion Ratio Lower Upper

73 100

43 23.2 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

5.02

100000

80000

60000

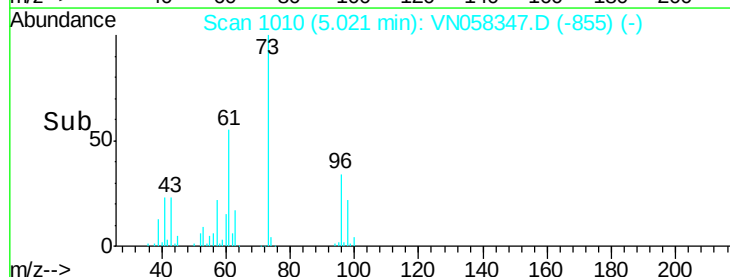
40000

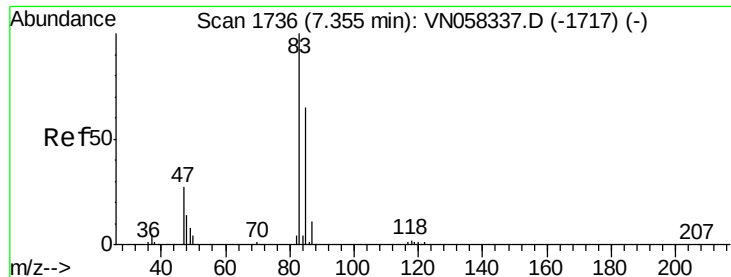
20000

0

4.90 5.00 5.10 5.20

Time-->

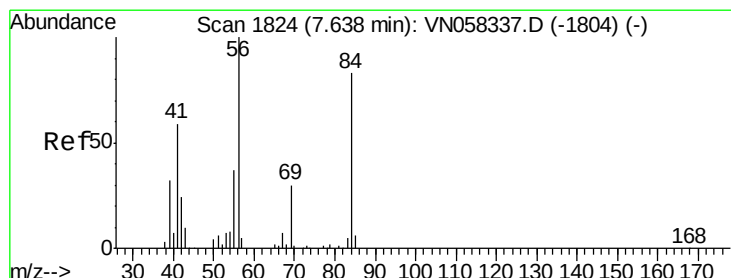
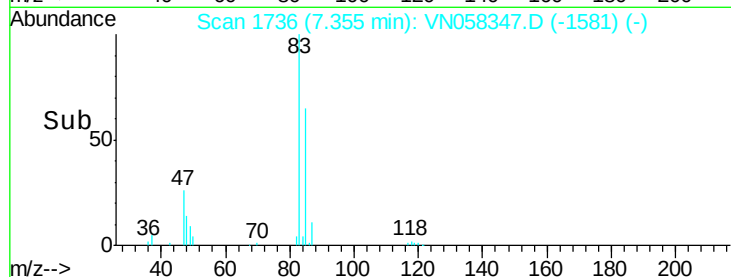
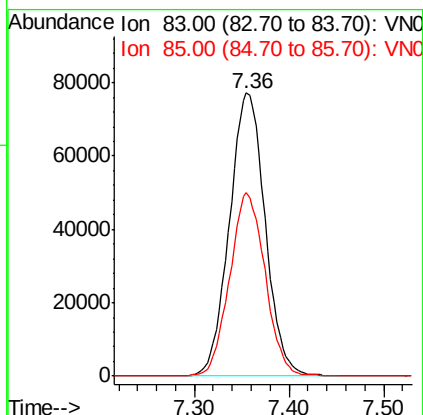
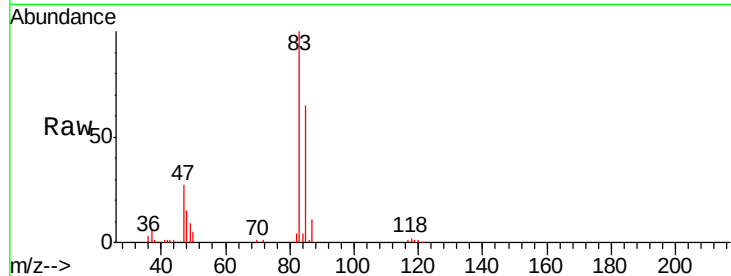




#25
Chloroform
Concen: 20.593 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

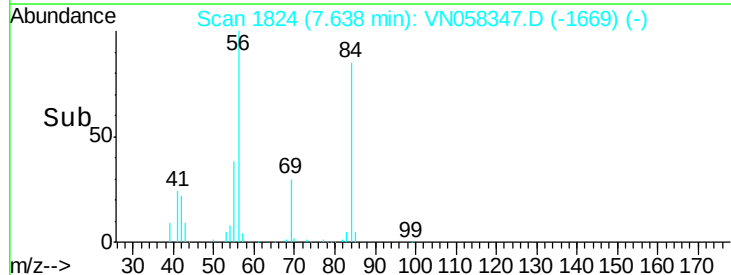
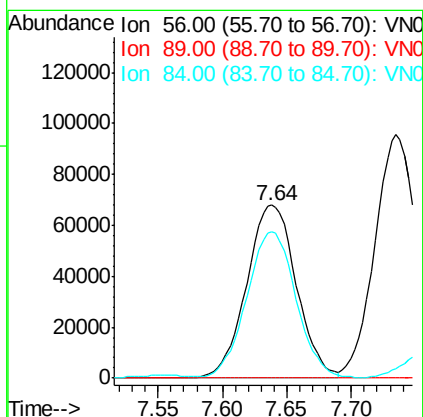
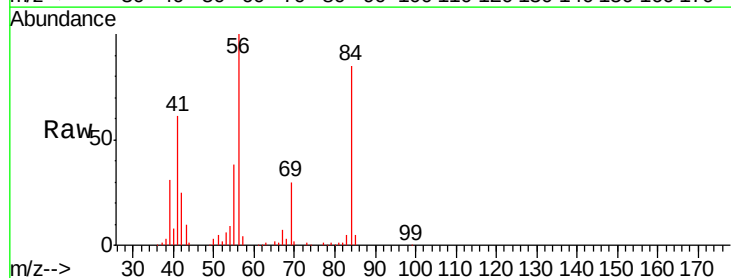
Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

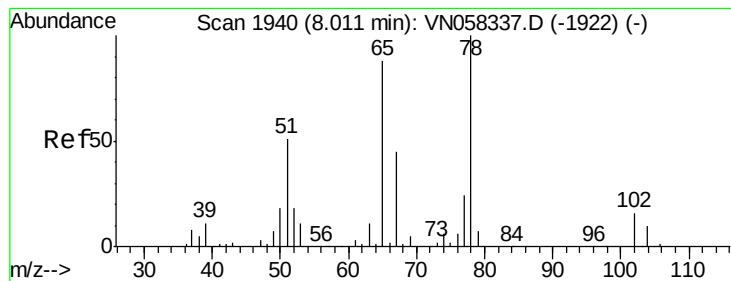
Tgt Ion: 83 Resp: 202776
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6



#26
Cyclohexane
Concen: 20.026 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 56 Resp: 182013
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 84.4 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 30.649 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

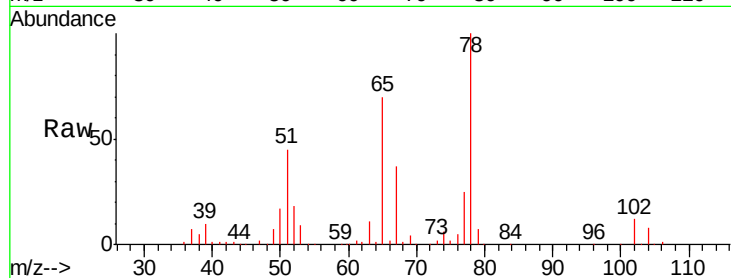
VN0924WBSD01

Tgt Ion: 65 Resp: 215482

Ion Ratio Lower Upper

65 100

67 51.6 40.4 60.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.01

100000

80000

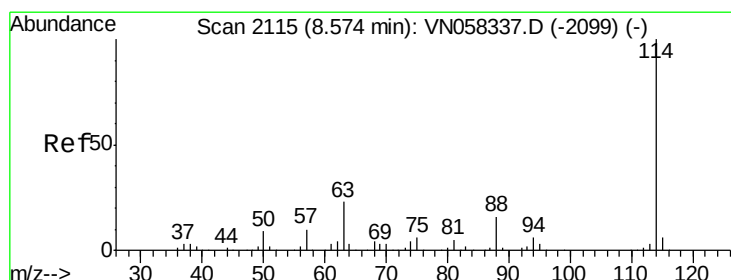
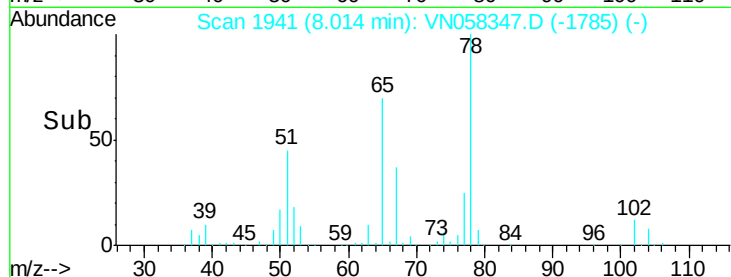
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

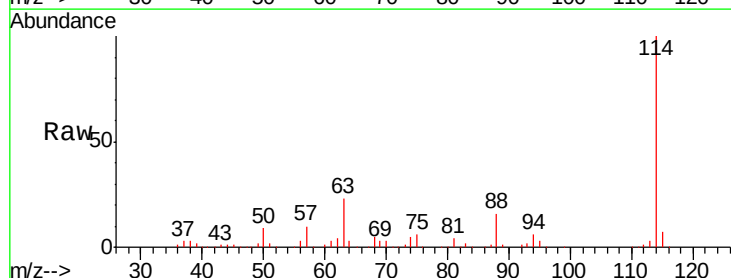
Tgt Ion: 114 Resp: 476007

Ion Ratio Lower Upper

114 100

63 22.9 17.8 26.8

88 16.1 12.7 19.1



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.57

300000

250000

200000

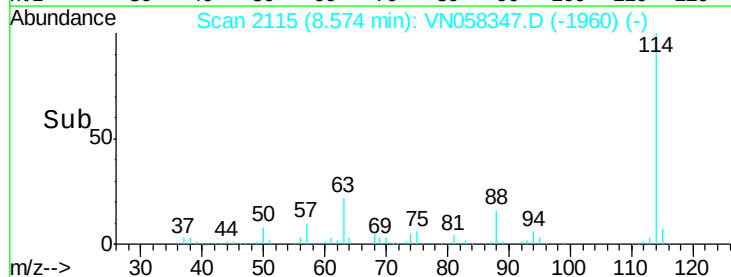
150000

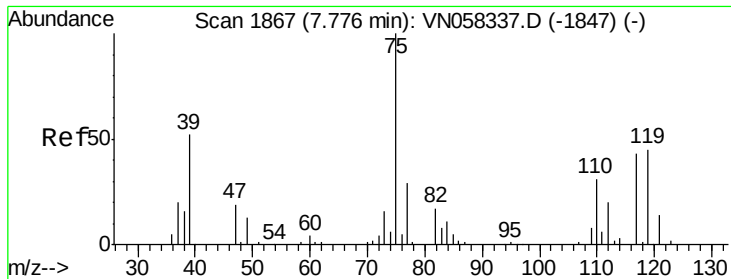
100000

50000

0

Time--> 8.50 8.60 8.70

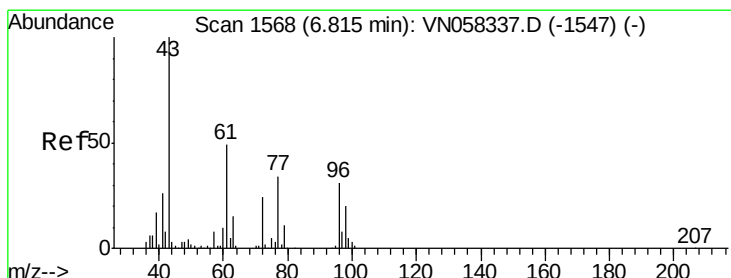
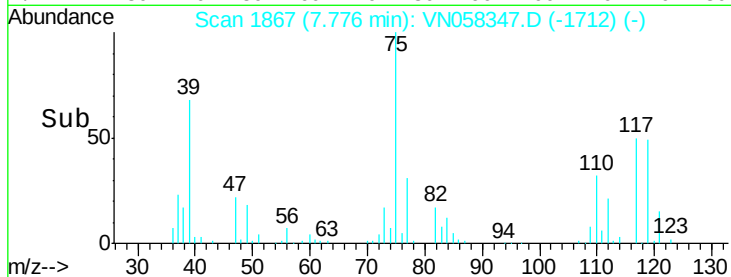
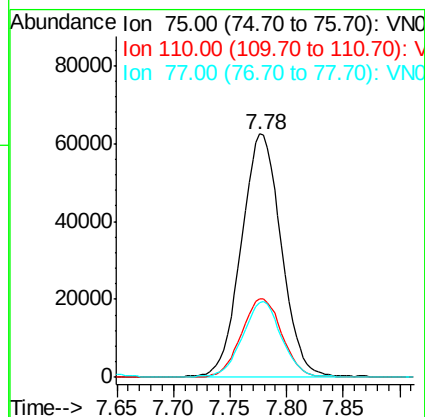
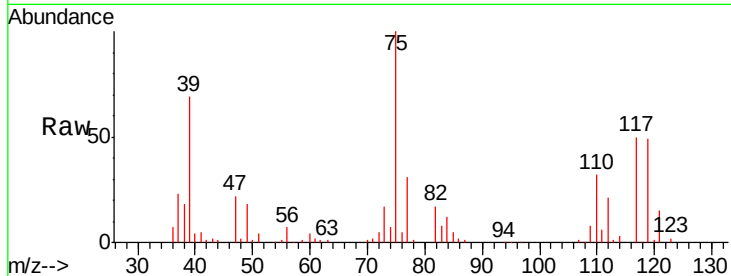




#29
 1,1-Dichloropropene
 Concen: 19.776 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

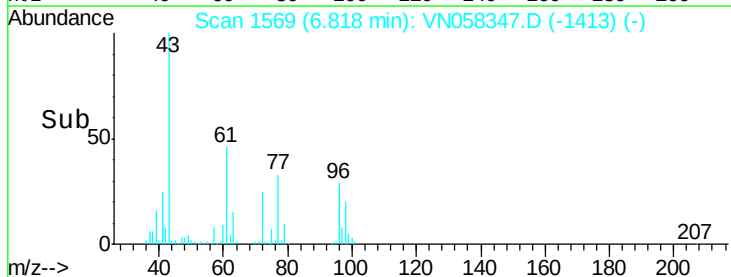
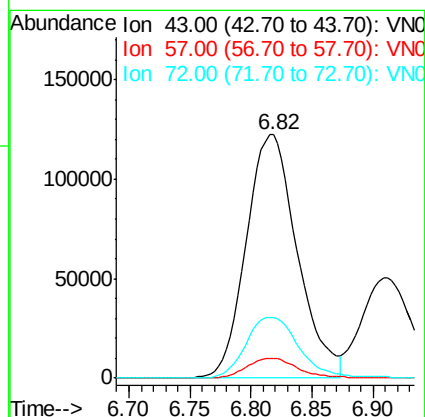
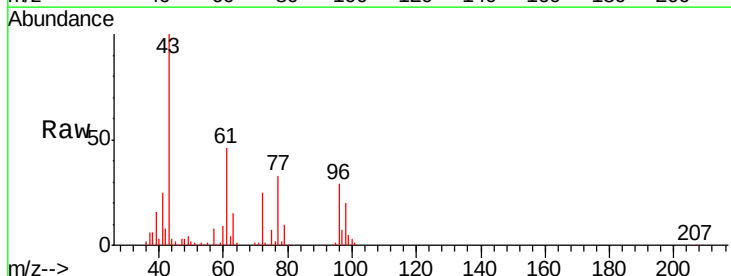
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

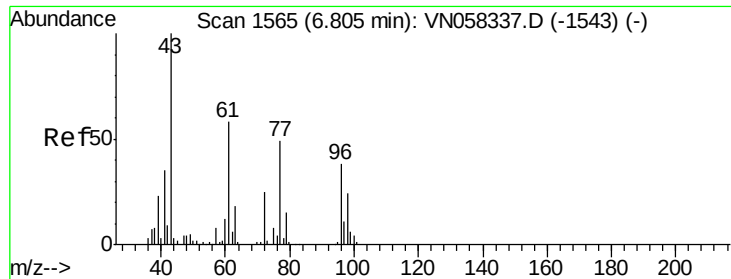
Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	0.0	63.6
77	30.6	0.0	59.4



#30
 2-Butanone
 Concen: 100.059 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.2	9.4
72	25.9	20.3	30.5

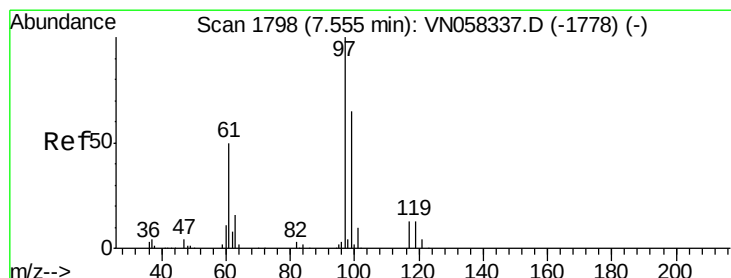
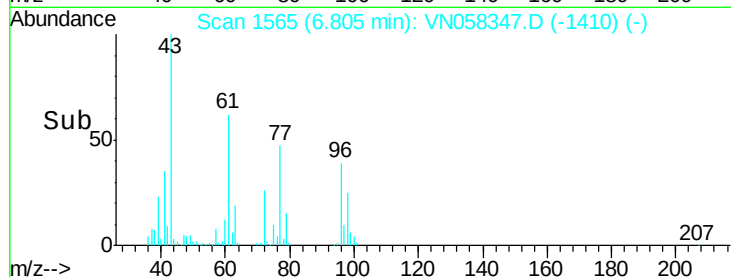
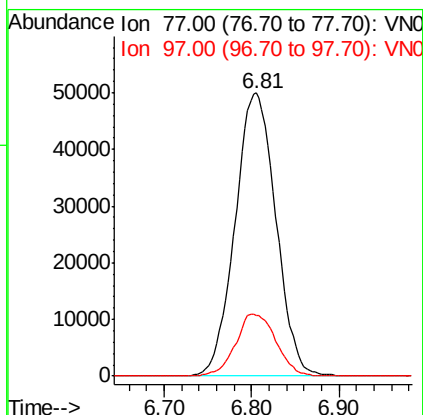
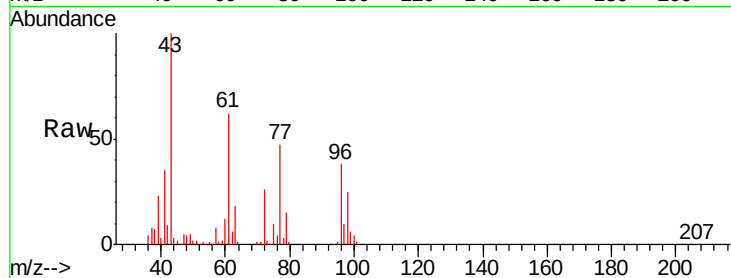




#31
 2,2-Dichloropropane
 Concen: 20.204 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

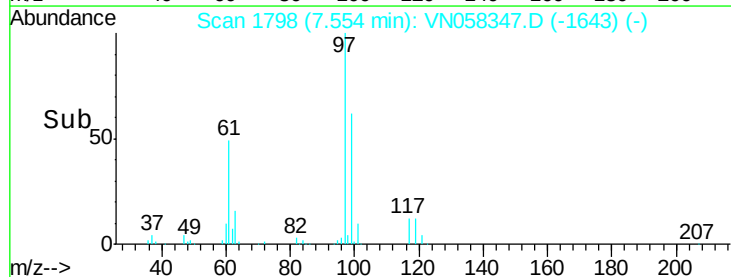
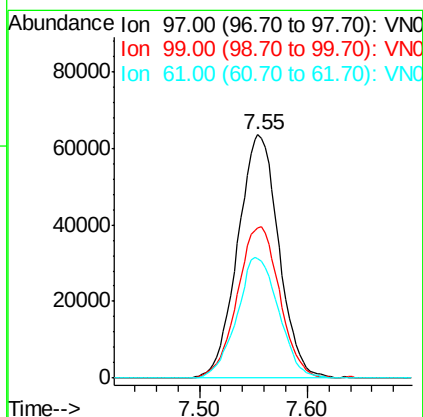
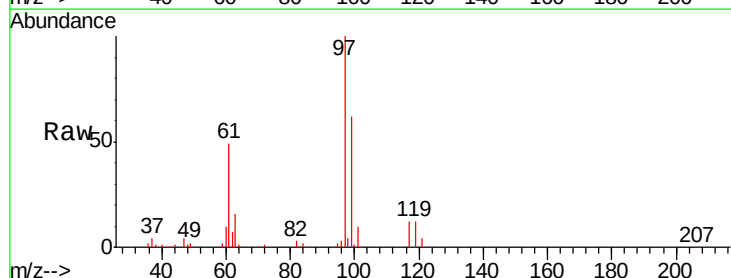
Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

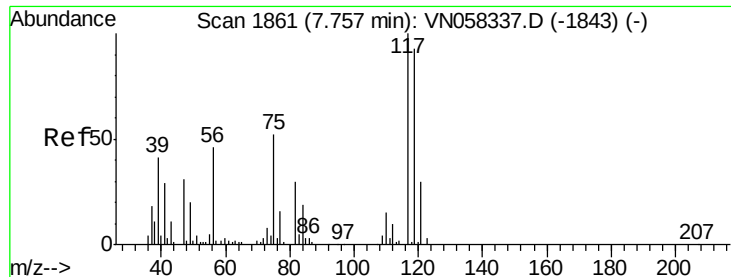
Tgt Ion: 77 Resp: 161621
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 20.024 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 97 Resp: 167811
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.8 77.6
 61 50.5 39.4 59.2

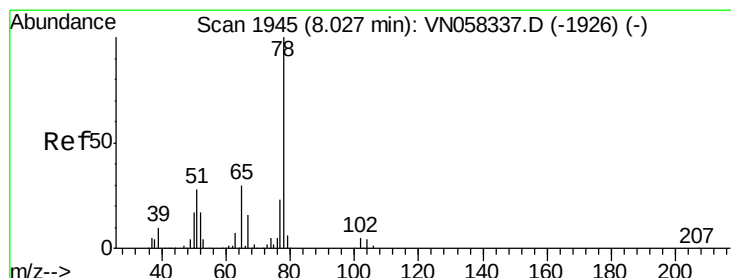
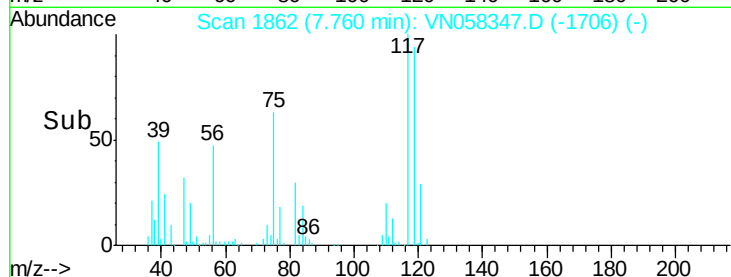
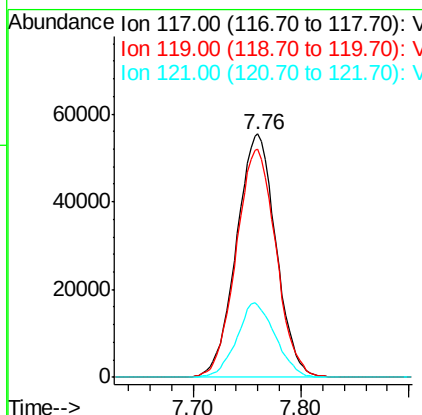
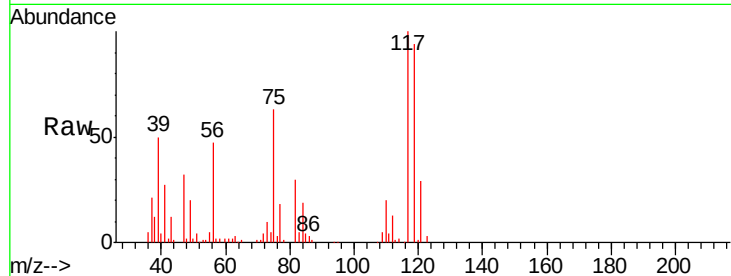




#33
Carbon Tetrachloride
Concen: 19.795 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

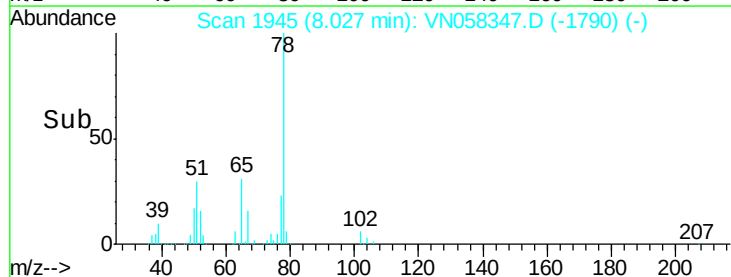
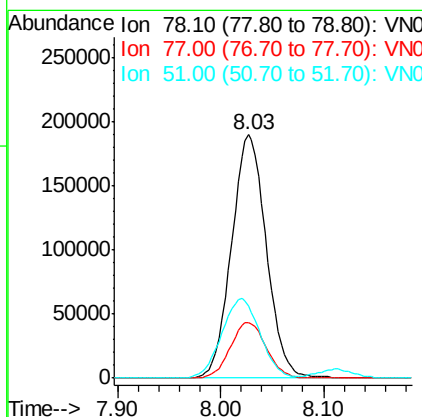
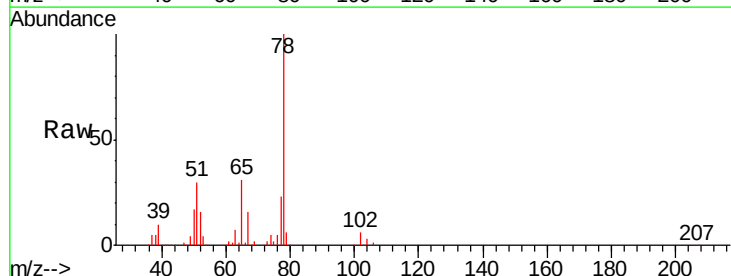
Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

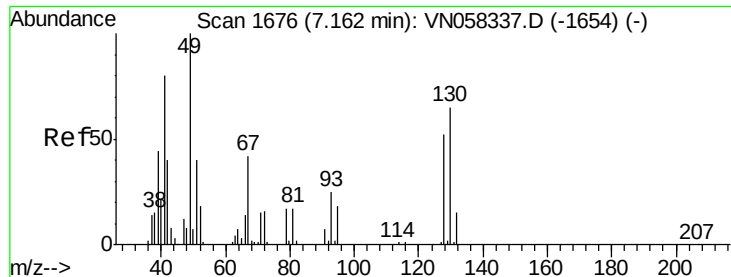
Tgt Ion: 117 Resp: 140943
Ion Ratio Lower Upper
117 100
119 93.6 74.2 111.4
121 29.4 23.9 35.9



#34
Benzene
Concen: 20.222 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 78 Resp: 445722
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2
51 29.1 22.4 33.6

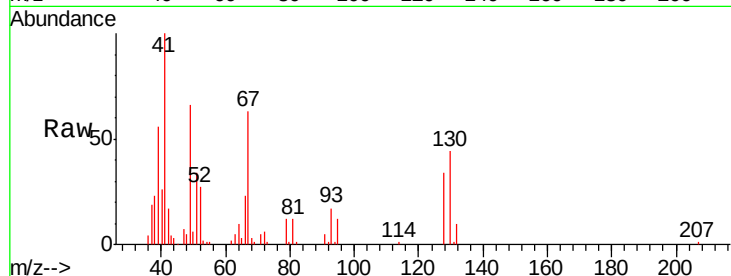




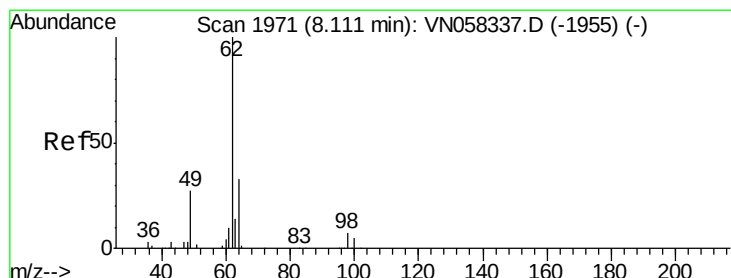
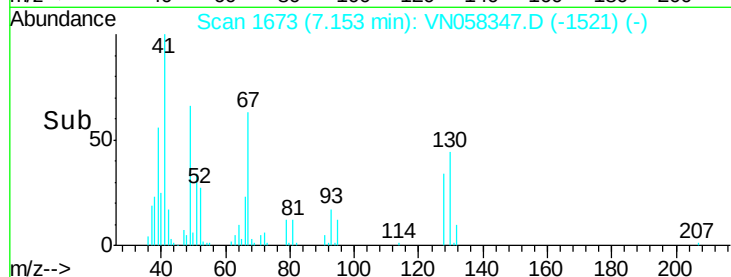
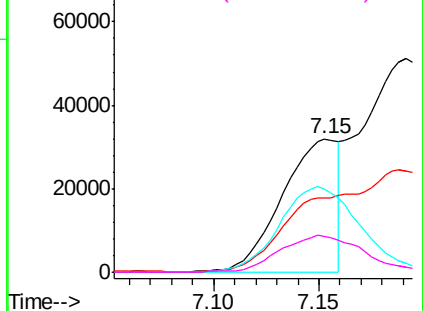
#35
Methacrylonitrile
Concen: 19.487 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tgt Ion:	41	Resp:	59135
Ion	Ratio	Lower	Upper
41	100		
39	55.8	27.3	81.9
67	62.7	26.3	78.9
52	27.1	11.0	33.0

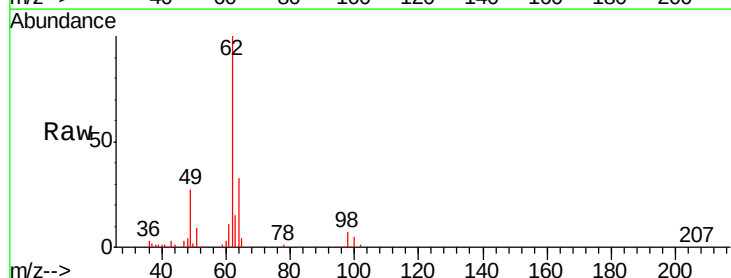


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

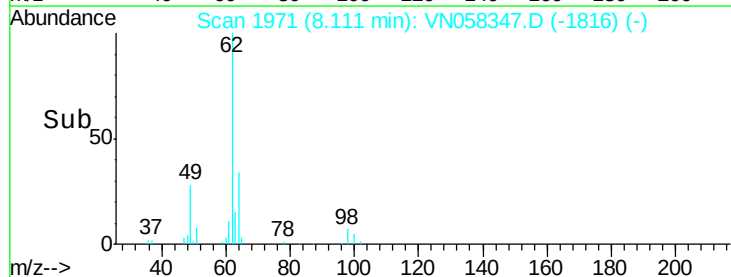
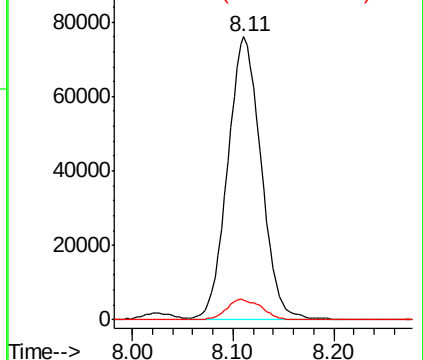


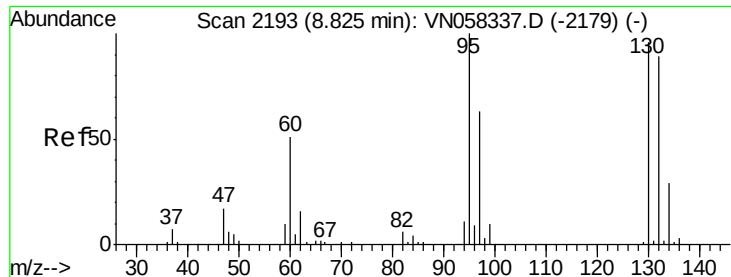
#36
1,2-Dichloroethane
Concen: 20.387 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion:	62	Resp:	176028
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.610 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

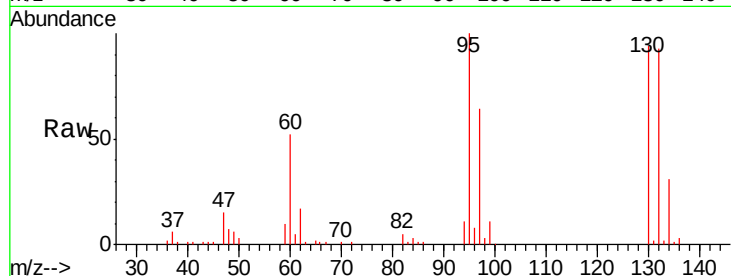
VN0924WBSD01

Tgt Ion:130 Resp: 108213

Ion Ratio Lower Upper

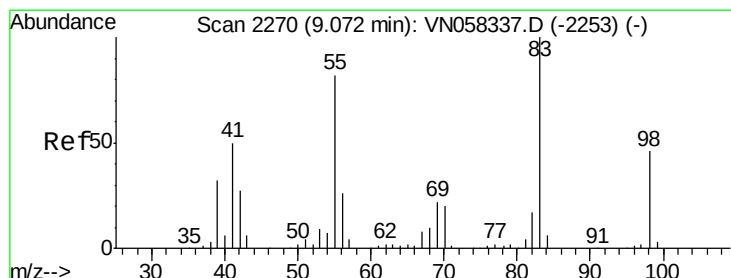
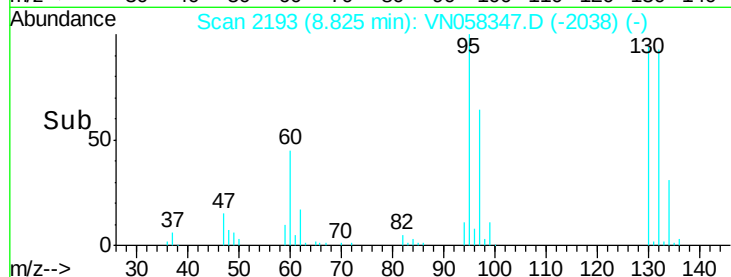
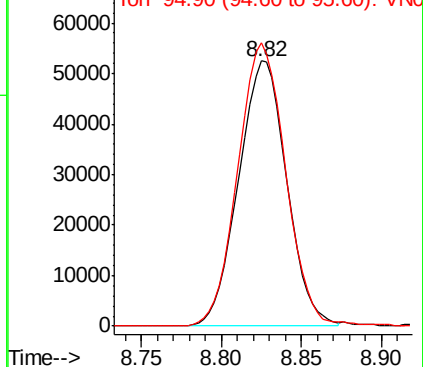
130 100

95 106.5 83.3 124.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.596 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

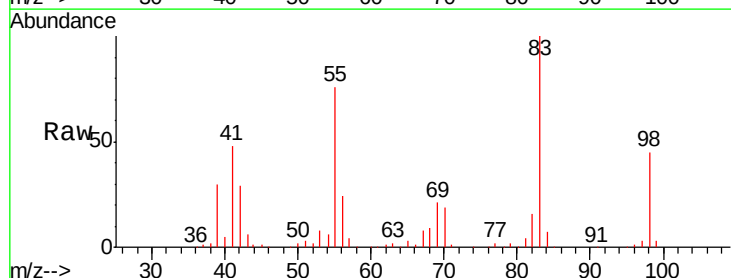
Tgt Ion: 83 Resp: 184115

Ion Ratio Lower Upper

83 100

55 78.0 40.5 121.4

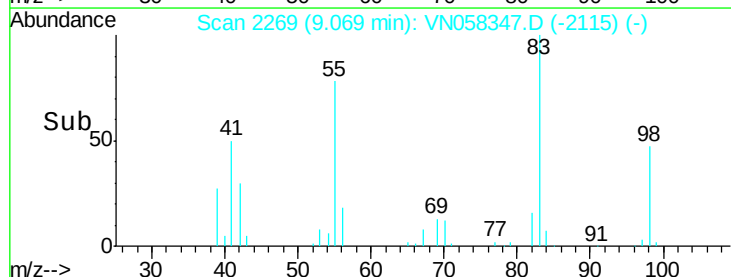
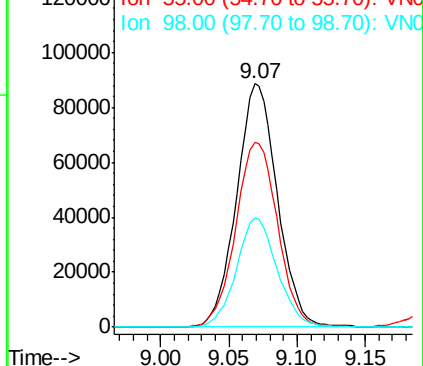
98 45.0 23.1 69.2

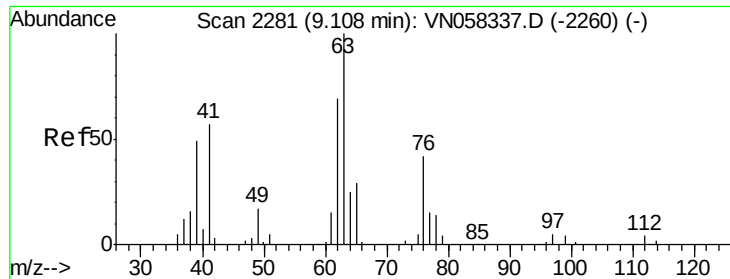


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

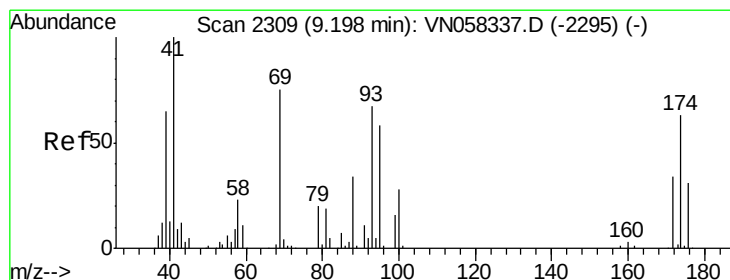
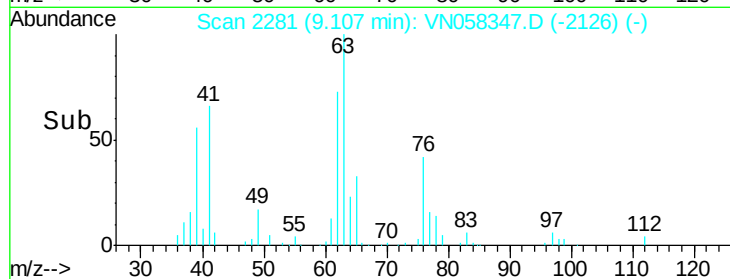
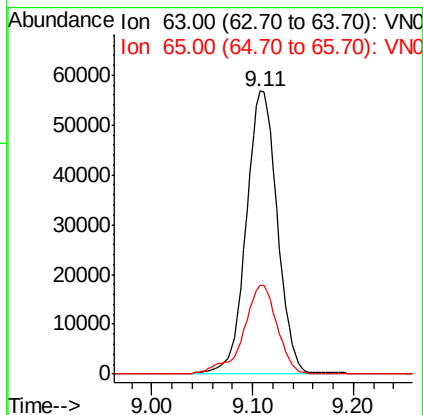
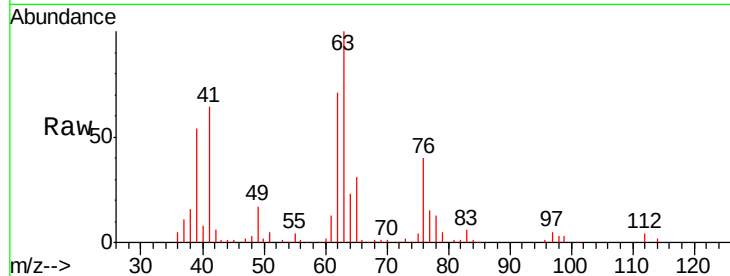




#39
 1,2-Dichloropropane
 Concen: 20.137 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

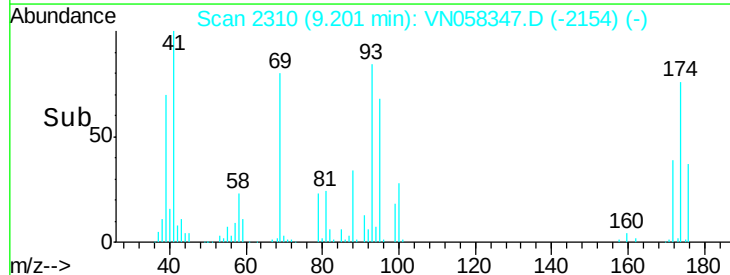
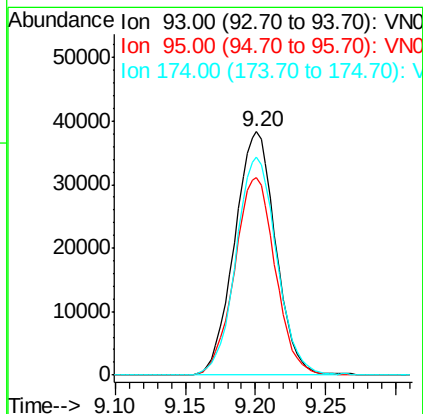
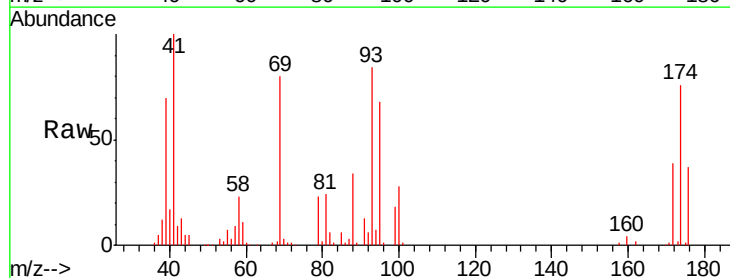
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

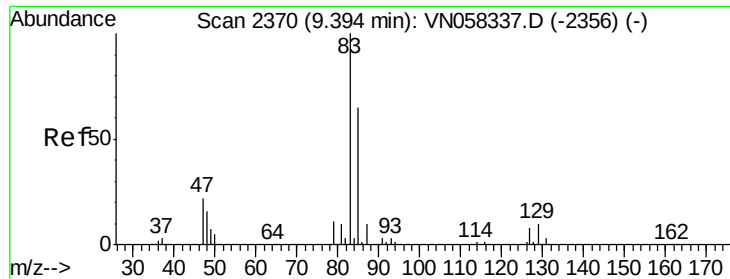
Tgt Ion: 63 Resp: 121071
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.0



#40
 Dibromomethane
 Concen: 20.592 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 93 Resp: 78140
 Ion Ratio Lower Upper
 93 100
 95 80.3 0.0 166.8
 174 89.1 0.0 187.2





#41

Bromodichloromethane

Concen: 19.418 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

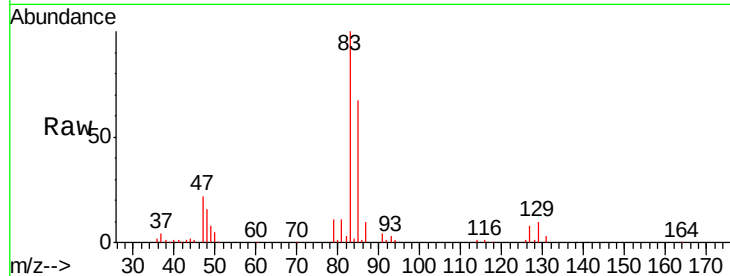
Tgt Ion: 83 Resp: 145644

Ion Ratio Lower Upper

83 100

85 67.5 52.0 78.0

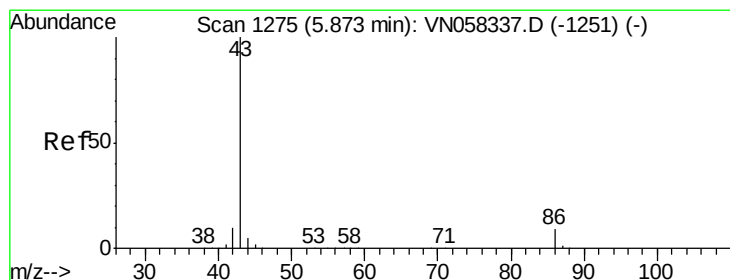
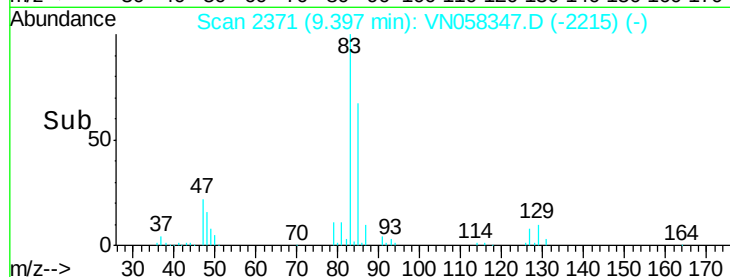
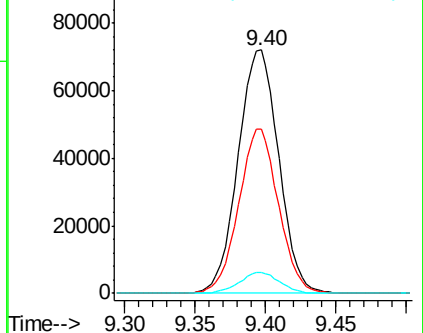
127 8.4 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 109.172 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058347.D

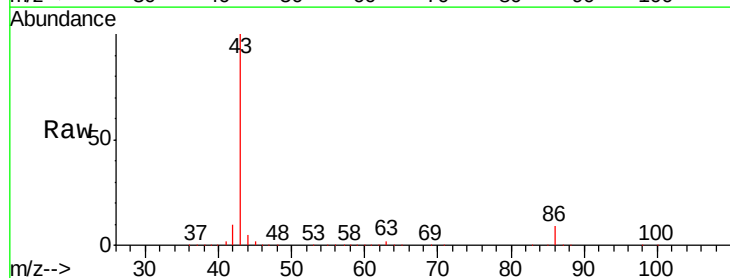
Acq: 24 Sep 2019 15:46

Tgt Ion: 43 Resp: 1470619

Ion Ratio Lower Upper

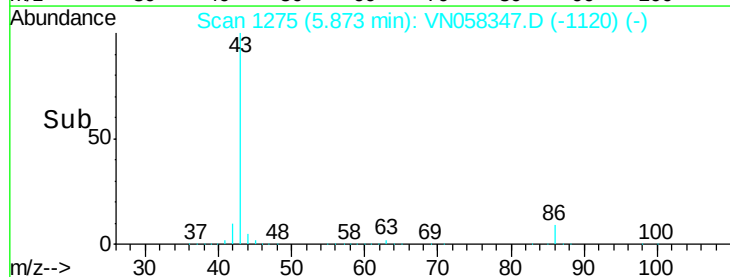
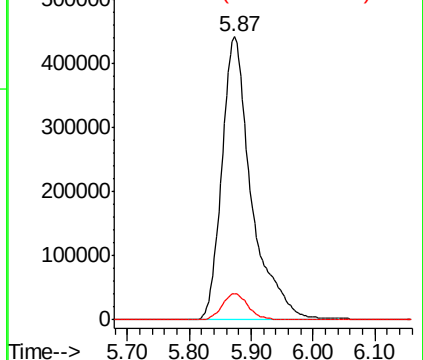
43 100

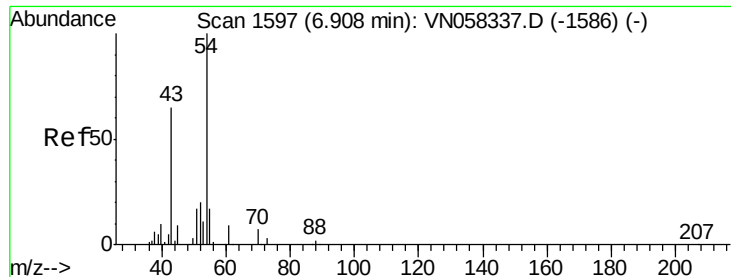
86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.704 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

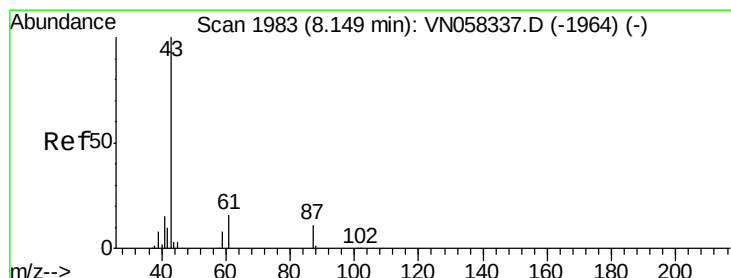
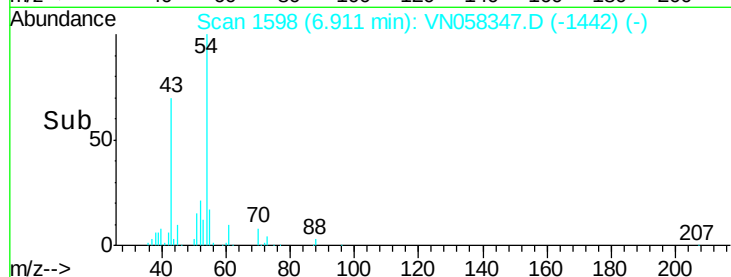
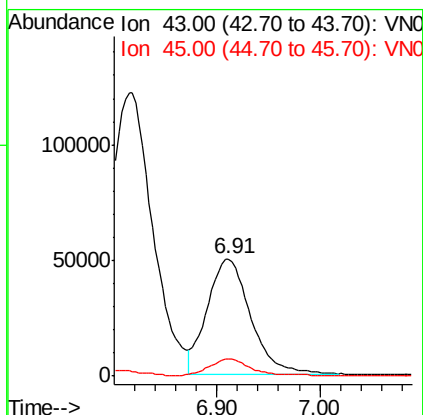
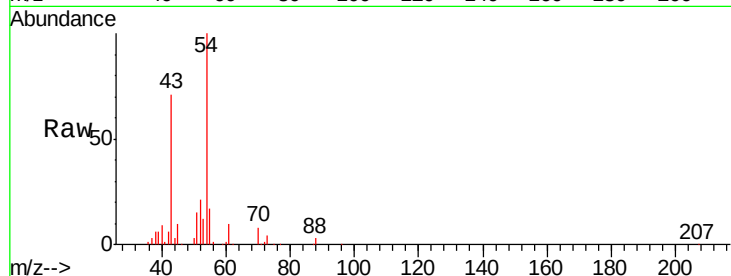
VN0924WBSD01

Tgt Ion: 43 Resp: 145032

Ion Ratio Lower Upper

43 100

45 12.7 9.8 14.6



#44

Isopropyl Acetate

Concen: 19.307 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058347.D

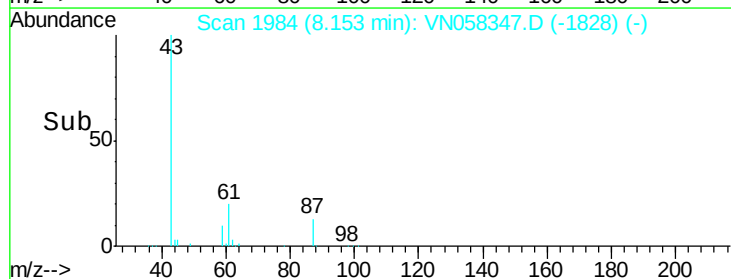
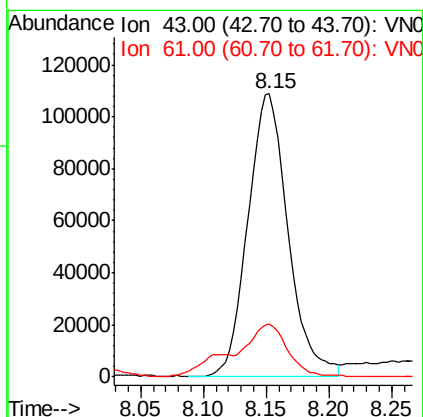
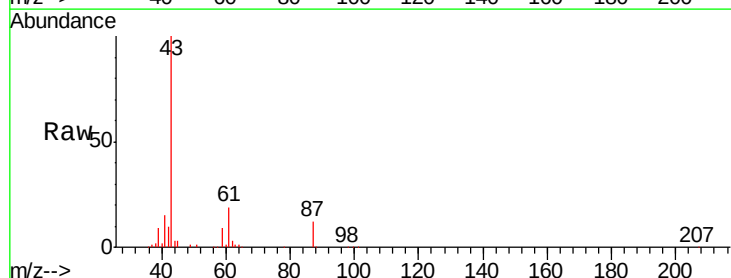
Acq: 24 Sep 2019 15:46

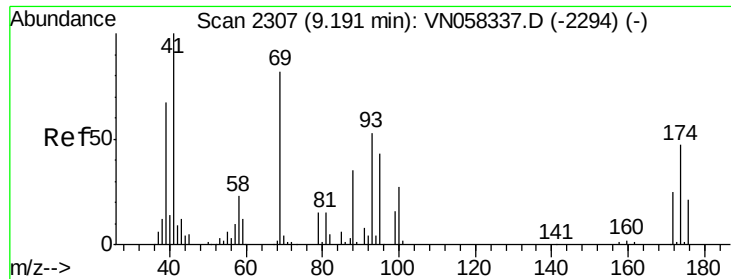
Tgt Ion: 43 Resp: 242111

Ion Ratio Lower Upper

43 100

61 17.2 14.4 21.6

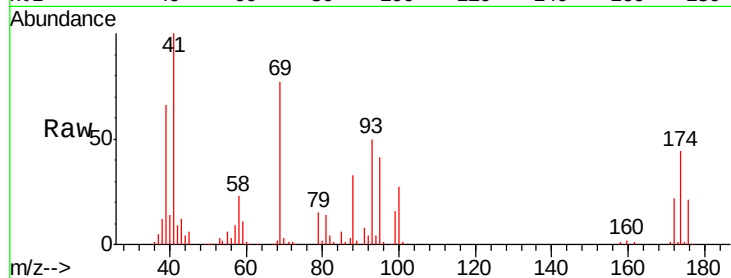




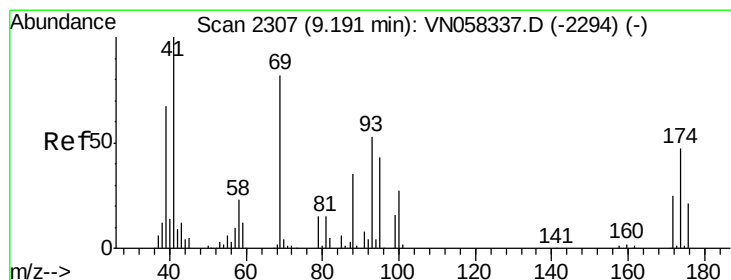
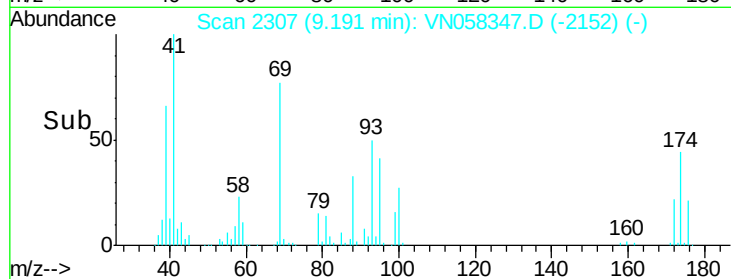
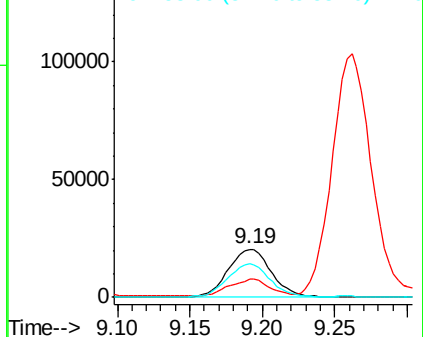
#45
 1,4-Dioxane
 Concen: 398.252 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

Tgt Ion: 88 Resp: 42130
 Ion Ratio Lower Upper
 88 100
 43 34.0 27.2 40.8
 58 69.8 55.4 83.0

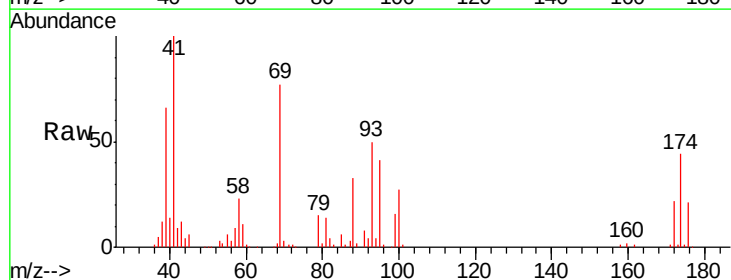


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

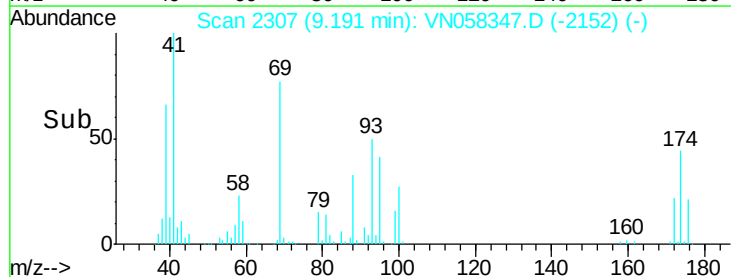
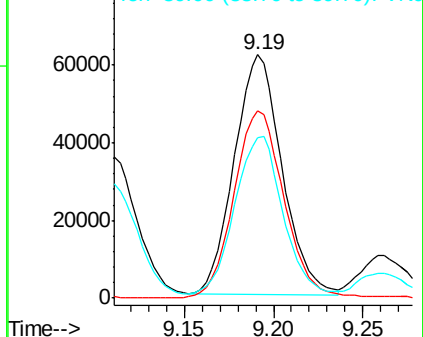


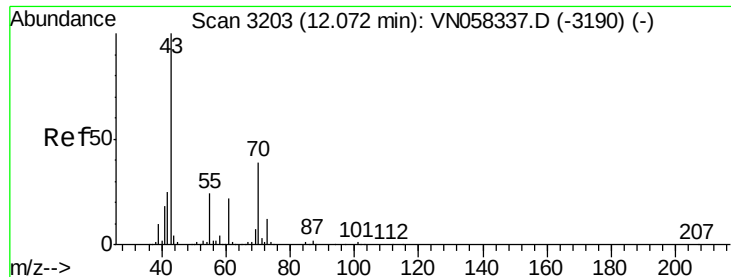
#46
 Methyl methacrylate
 Concen: 19.394 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 41 Resp: 115255
 Ion Ratio Lower Upper
 41 100
 69 77.6 40.9 122.7
 39 65.4 33.6 100.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 18.878 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

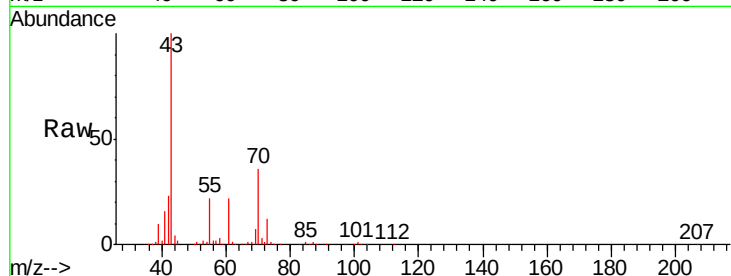
VN0924WBSD01

Tgt Ion: 43 Resp: 206052

Ion Ratio Lower Upper

43 100

55 23.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.08

150000

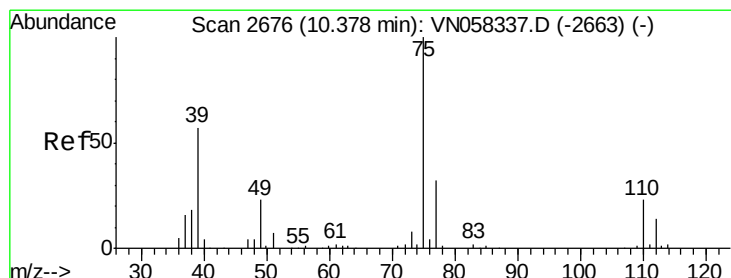
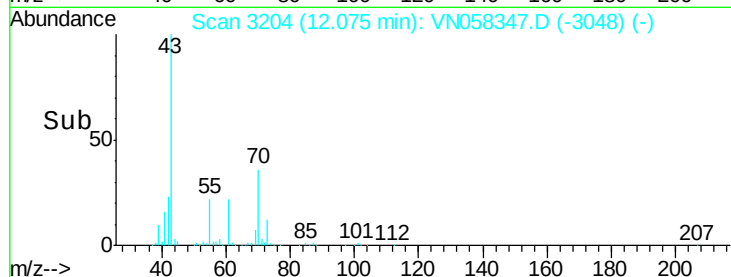
100000

50000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 18.887 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058347.D

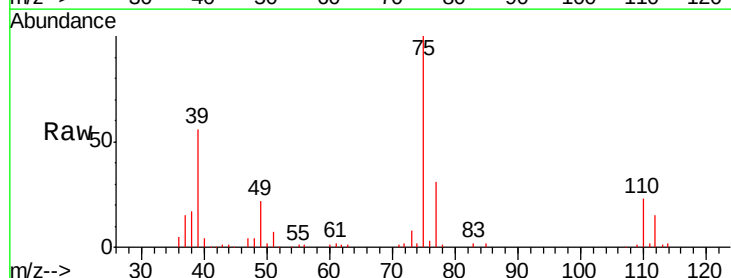
Acq: 24 Sep 2019 15:46

Tgt Ion: 75 Resp: 154785

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

100000

80000

60000

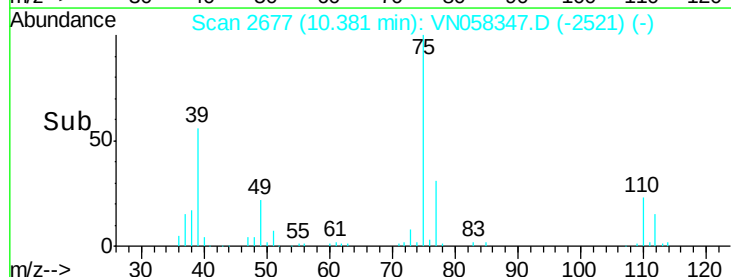
40000

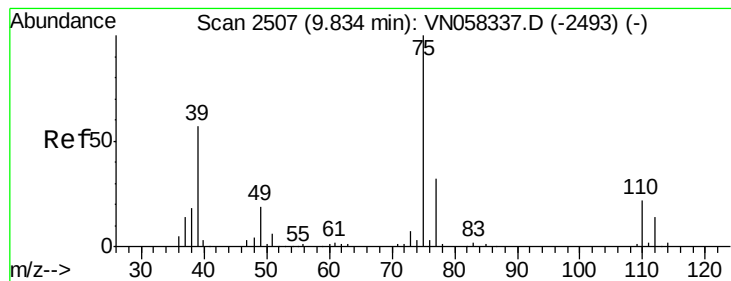
20000

0

Time-->

10.30 10.40



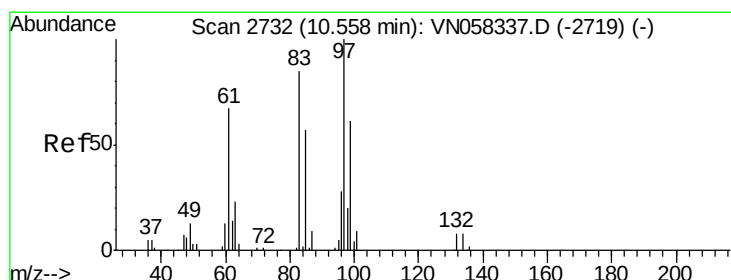
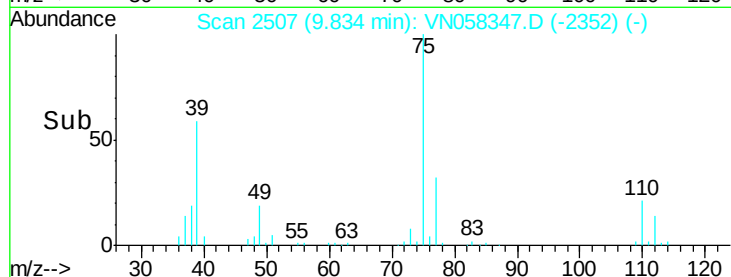
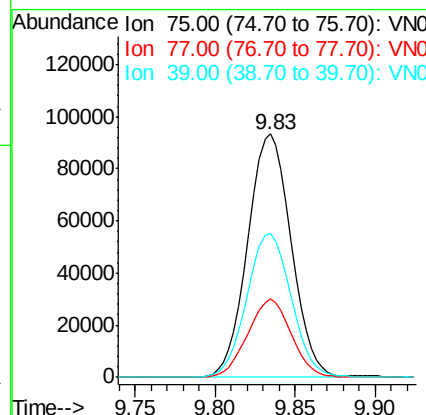
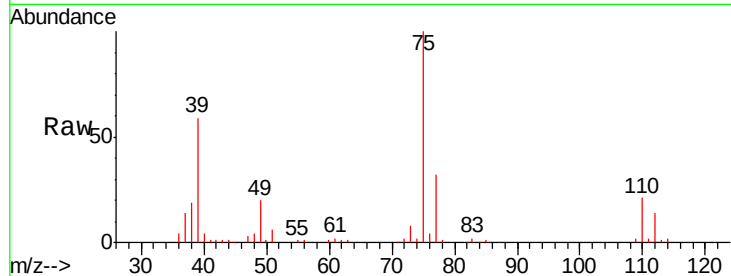


#49

cis-1,3-Dichloropropene
Concen: 19.001 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

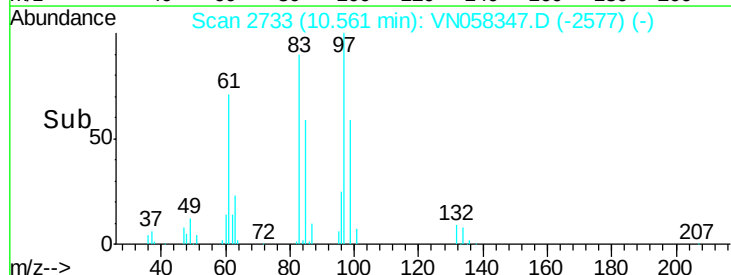
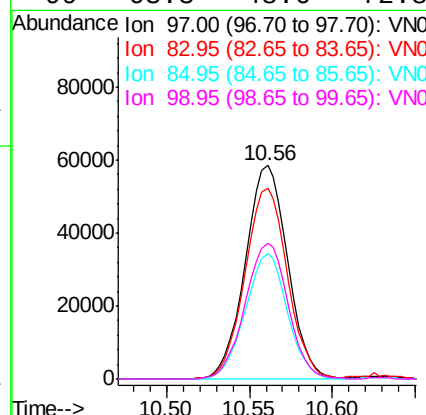
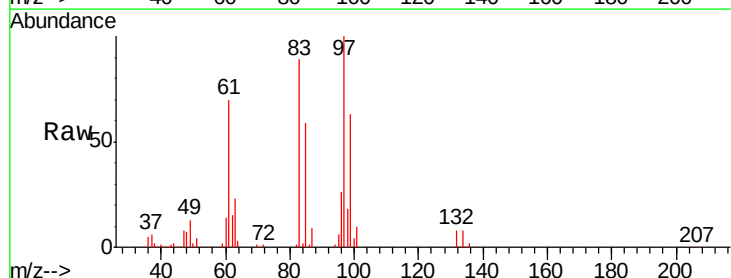
Tgt Ion: 75 Resp: 173383
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 58.8 45.8 68.6

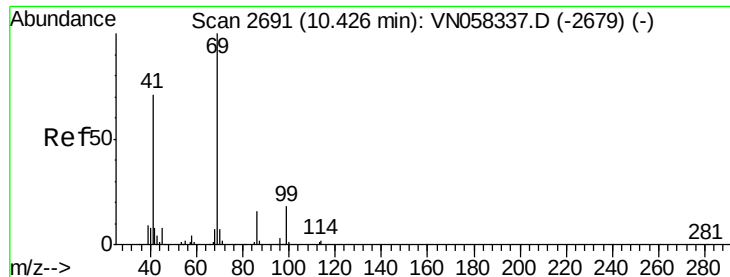


#50

1,1,2-Trichloroethane
Concen: 19.728 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 97 Resp: 104620
Ion Ratio Lower Upper
97 100
83 89.1 67.8 101.6
85 58.8 45.8 68.6
99 63.3 48.6 72.8





#51

Ethyl methacrylate

Concen: 19.054 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

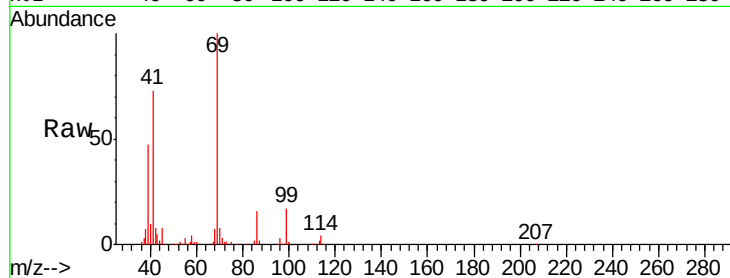
Tgt Ion: 69 Resp: 159877

Ion Ratio Lower Upper

69 100

41 72.8 35.4 106.1

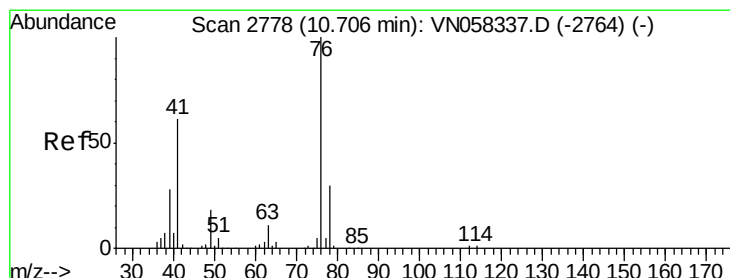
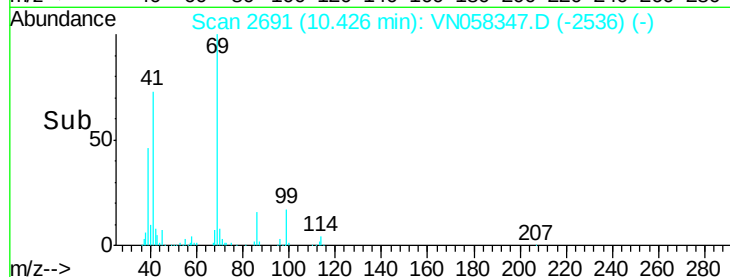
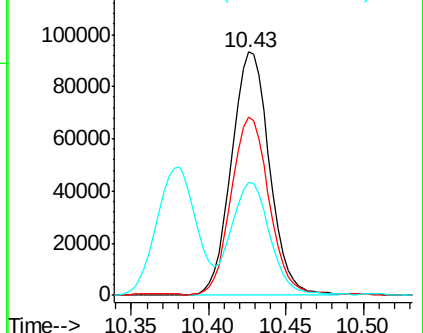
39 45.9 23.5 70.5



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: 20.185 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058347.D

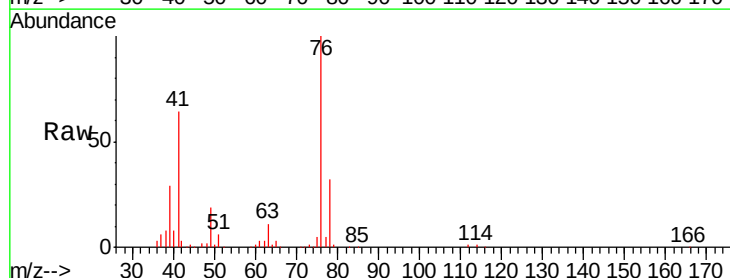
Acq: 24 Sep 2019 15:46

Tgt Ion: 76 Resp: 190115

Ion Ratio Lower Upper

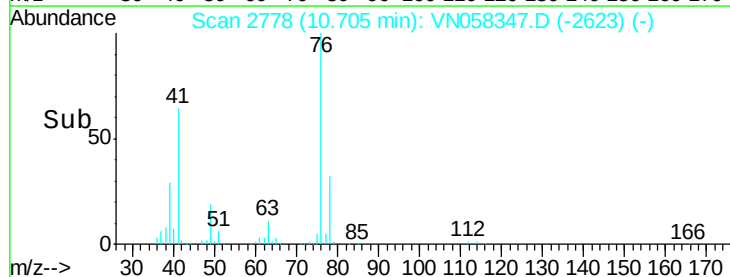
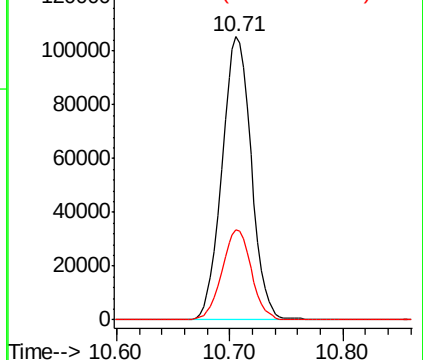
76 100

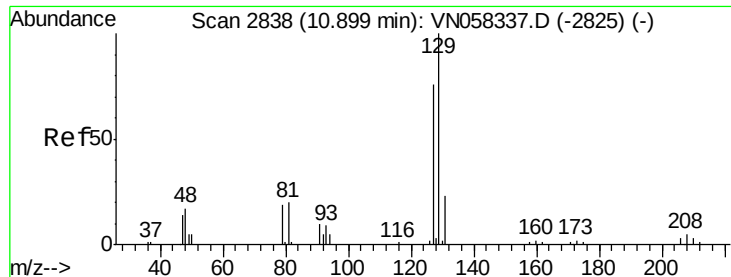
78 31.8 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.624 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

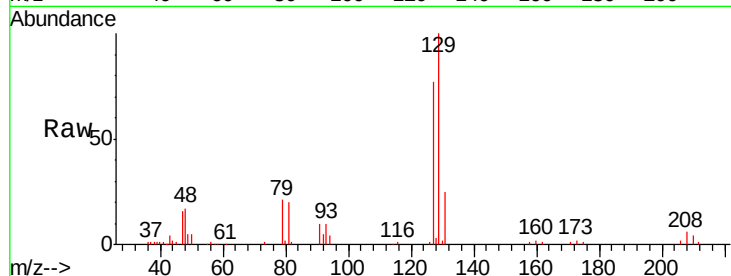
VN0924WBSD01

Tgt Ion:129 Resp: 99224

Ion Ratio Lower Upper

129 100

127 78.1 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

50000

40000

30000

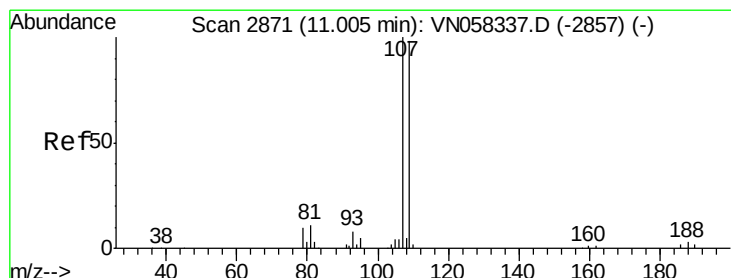
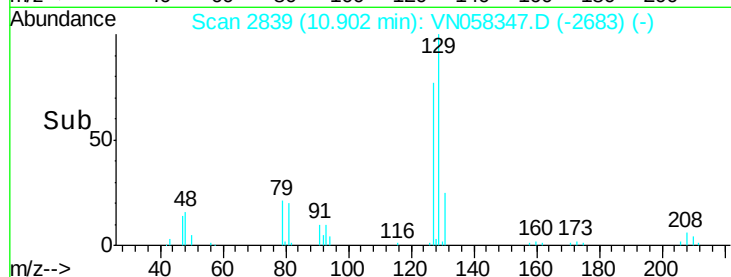
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 20.041 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058347.D

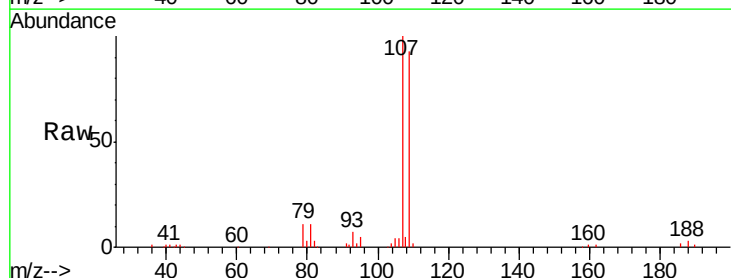
Acq: 24 Sep 2019 15:46

Tgt Ion:107 Resp: 108457

Ion Ratio Lower Upper

107 100

109 93.4 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

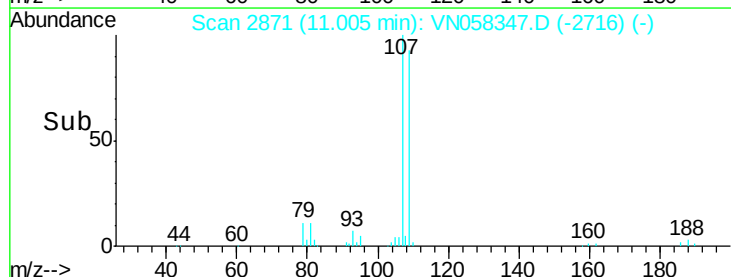
40000

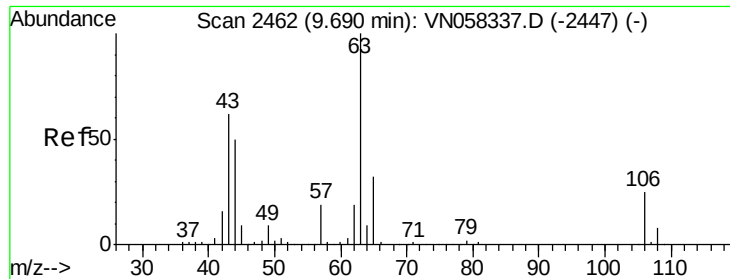
20000

0

10.95 11.00 11.05

Time-->

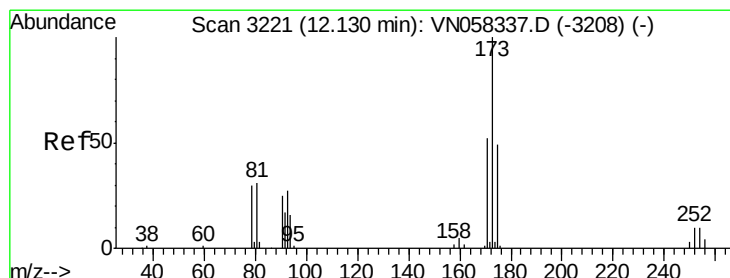
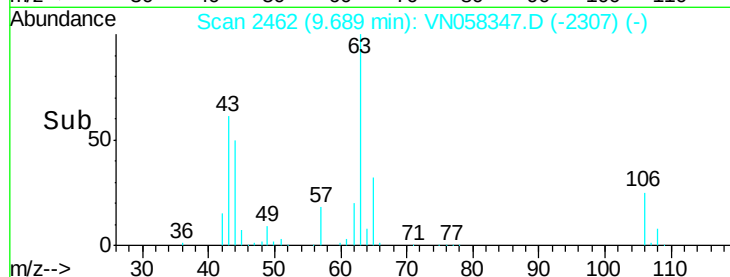
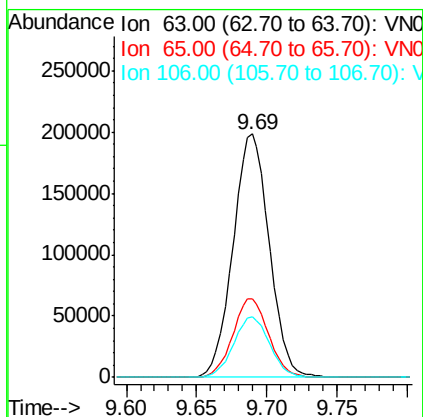
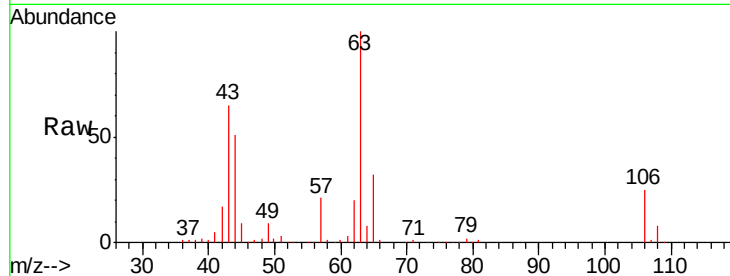




#55
 2-Chloroethyl vinyl ether
 Concen: 100.365 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

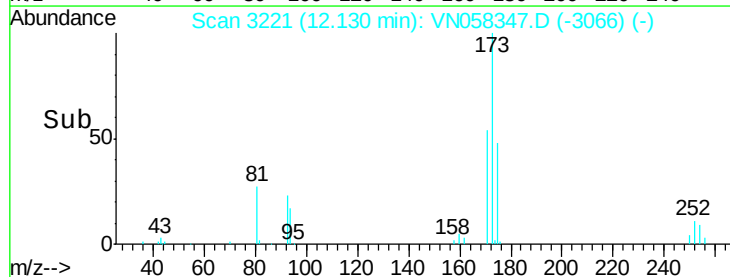
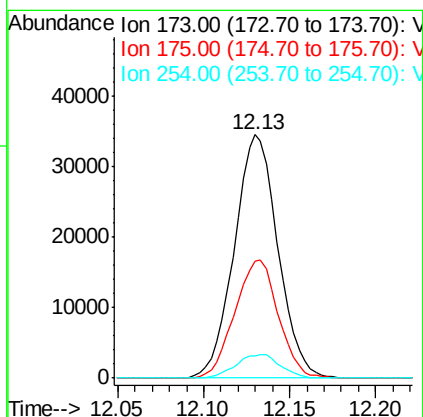
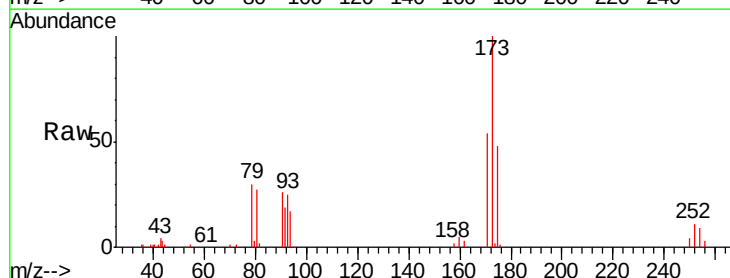
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

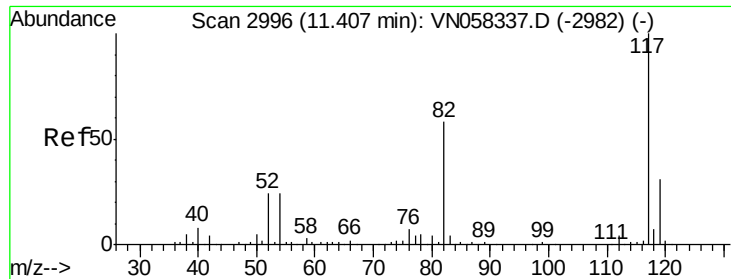
Tgt Ion: 63 Resp: 356581
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 24.8 20.4 30.6



#56
 Bromoform
 Concen: 18.051 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 173 Resp: 60662
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.8 58.2
 254 9.8 7.8 11.8

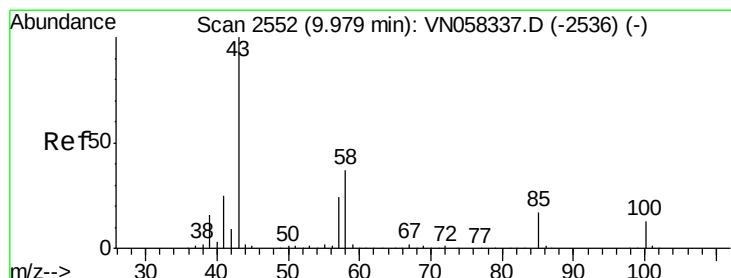
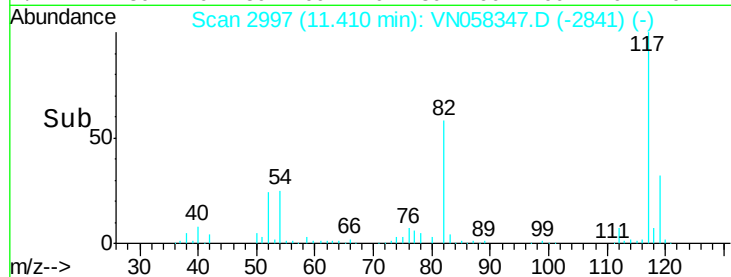
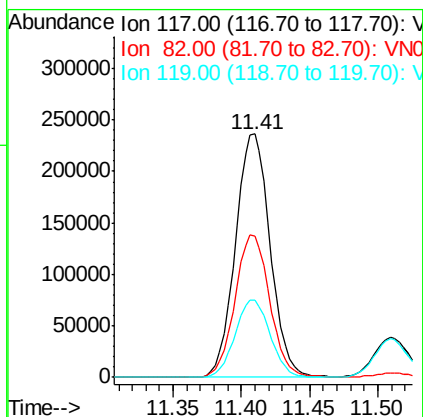
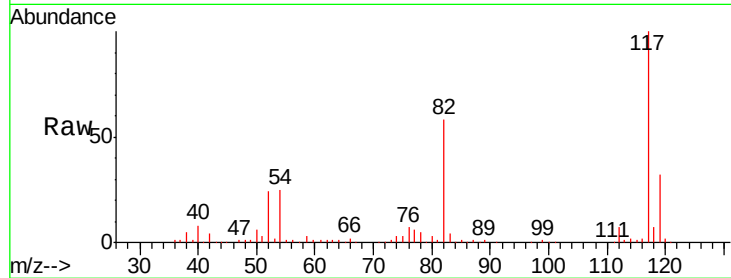




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

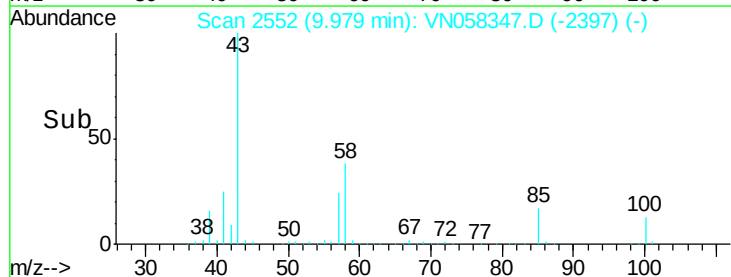
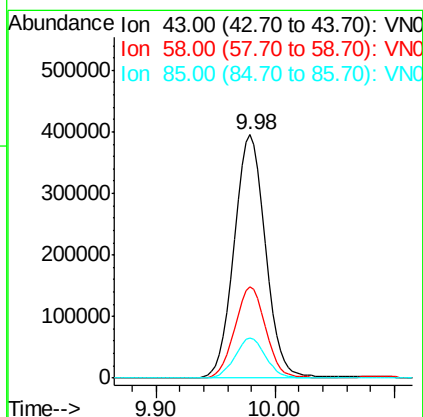
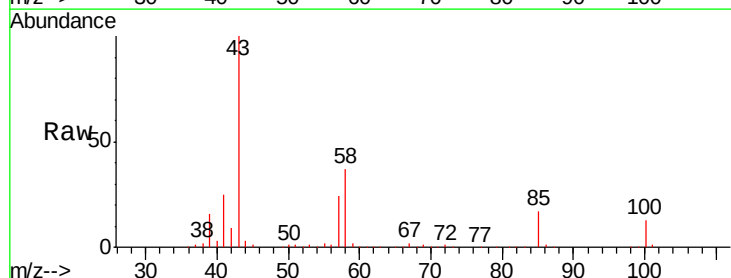
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

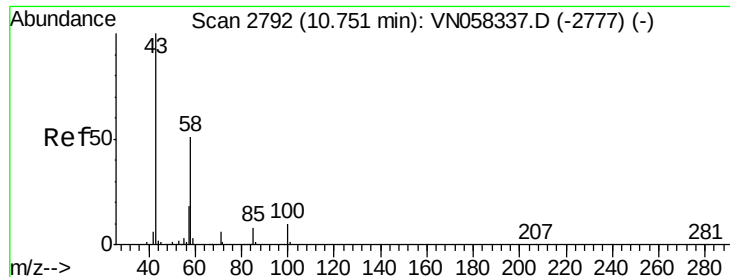
Tgt Ion: 117 Resp: 417909
Ion Ratio Lower Upper
117 100
82 58.6 46.4 69.6
119 32.3 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 110.089 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 43 Resp: 720877
Ion Ratio Lower Upper
43 100
58 37.3 29.3 43.9
85 16.3 13.1 19.7

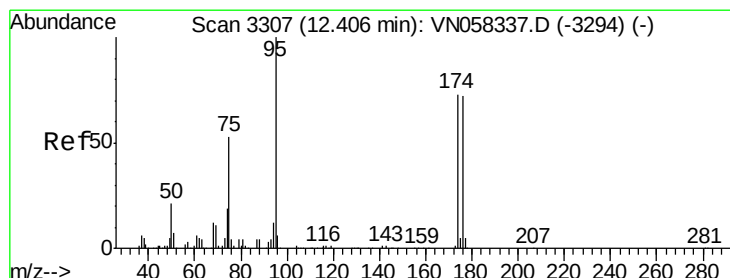
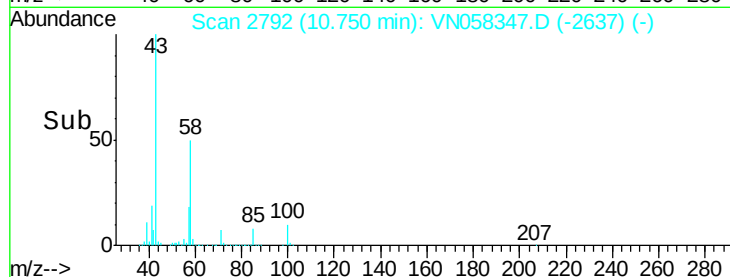
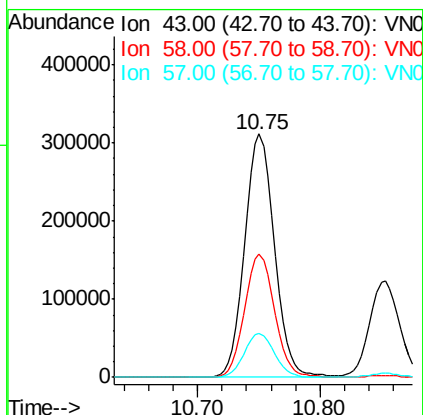
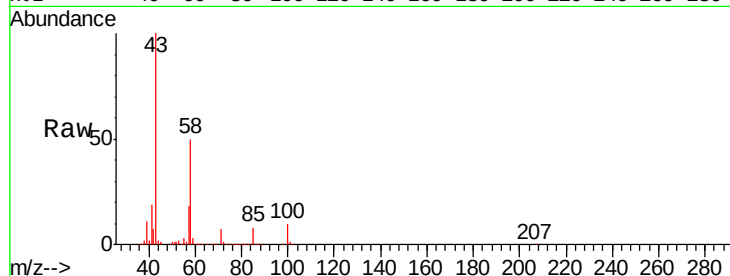




#59
2-Hexanone
Concen: 105.126 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

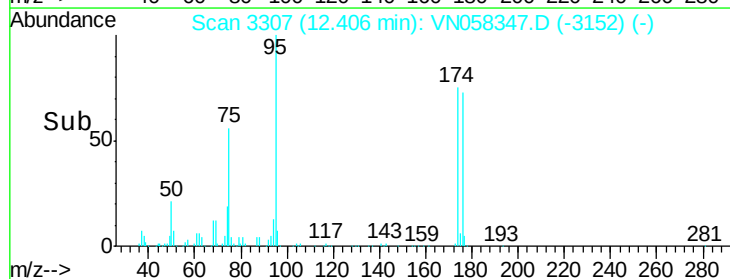
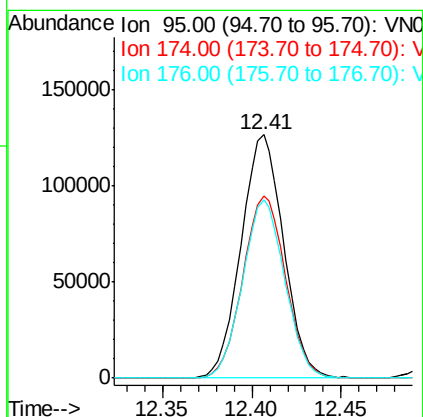
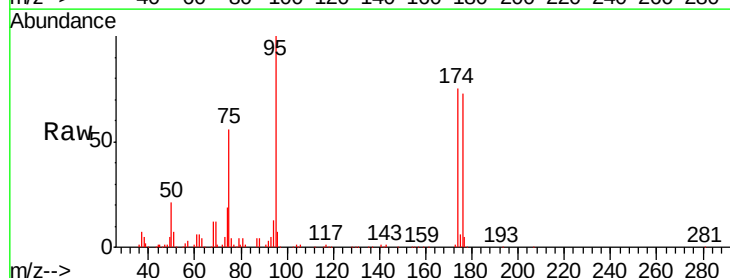
Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

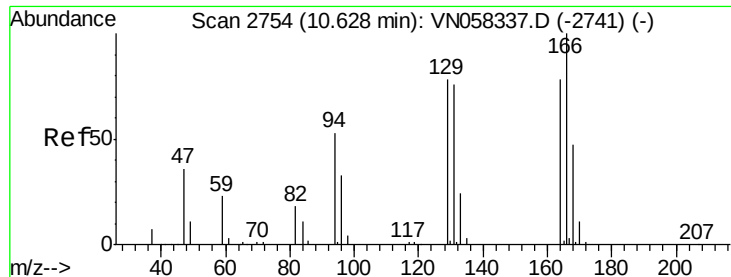
Tgt Ion: 43 Resp: 520406
Ion Ratio Lower Upper
43 100
58 51.3 40.7 61.1
57 18.3 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.244 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 95 Resp: 211465
Ion Ratio Lower Upper
95 100
174 75.6 59.0 88.6
176 72.6 58.2 87.2

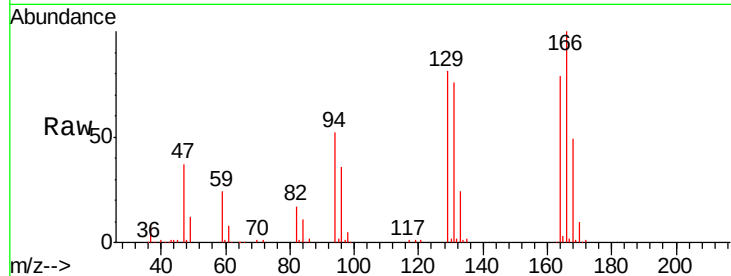




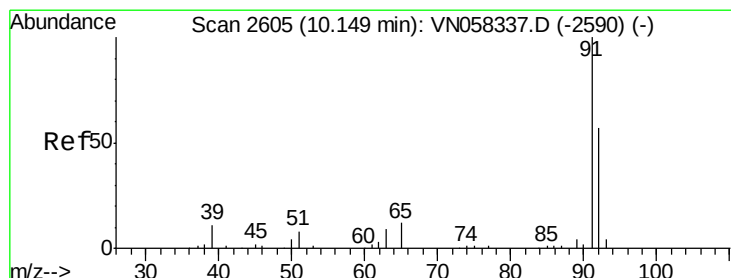
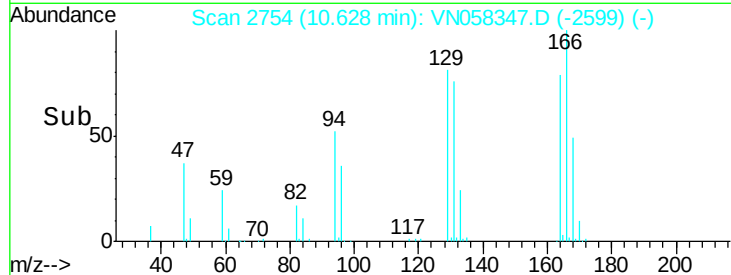
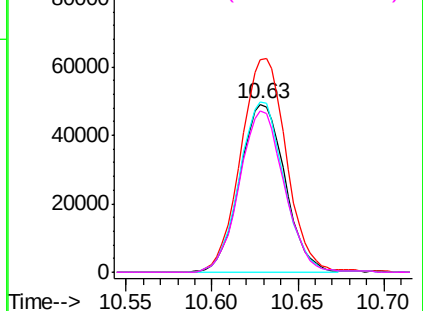
#61
Tetrachloroethene
Concen: 20.486 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tgt Ion:164 Resp: 89693
Ion Ratio Lower Upper
164 100
166 126.2 102.6 154.0
129 101.6 79.8 119.6
131 95.6 78.1 117.1

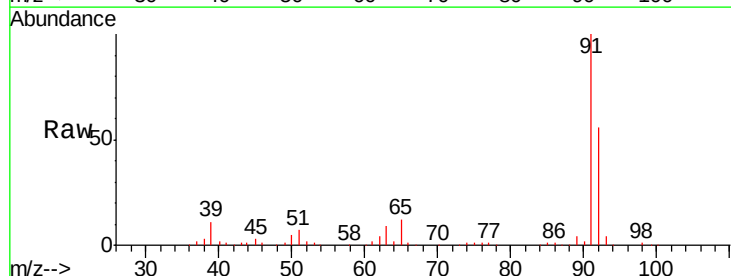


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

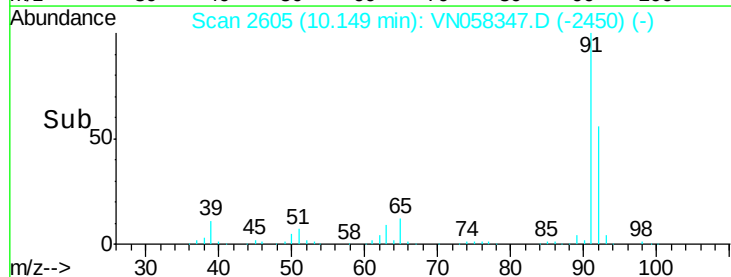
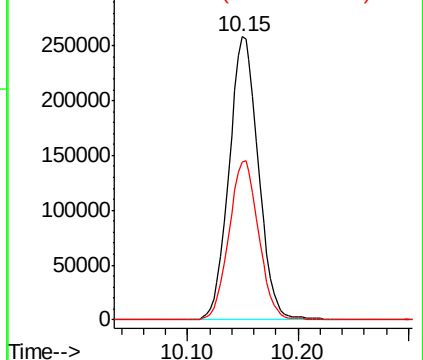


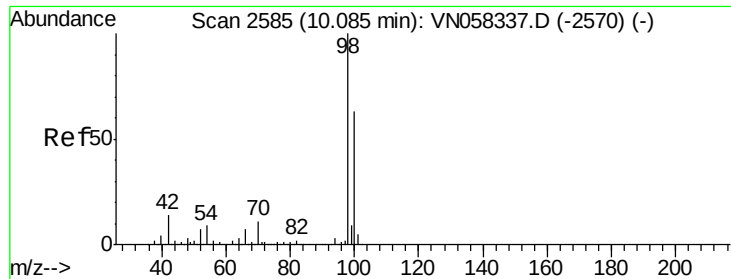
#62
Toluene
Concen: 20.869 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 91 Resp: 477640
Ion Ratio Lower Upper
91 100
92 56.8 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.620 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

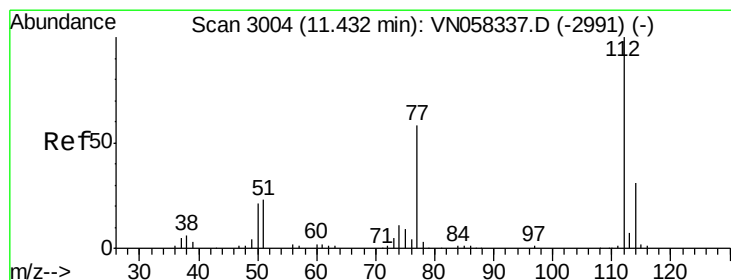
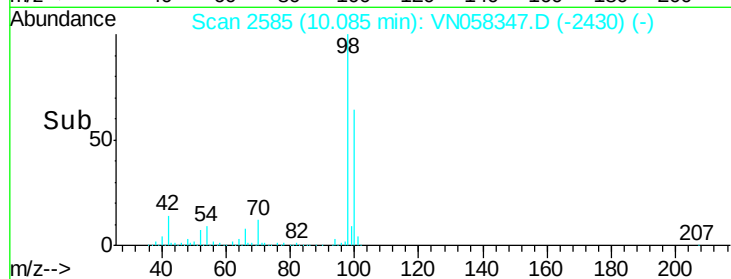
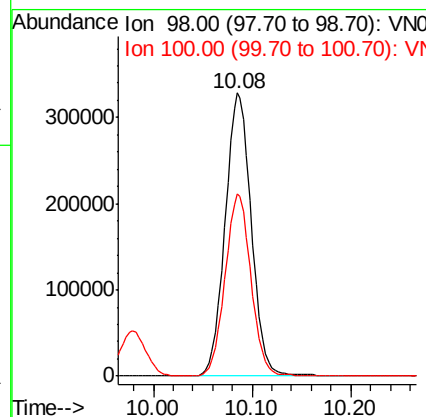
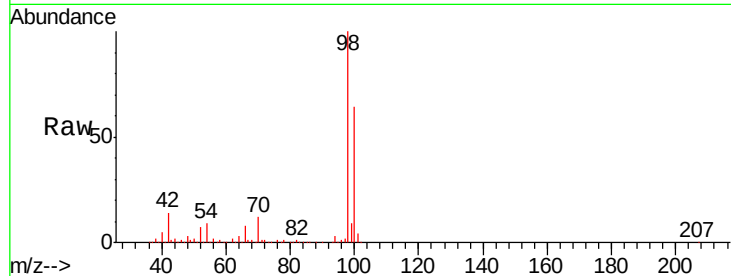
VN0924WBSD01

Tgt Ion: 98 Resp: 610691

Ion Ratio Lower Upper

98 100

100 63.1 50.2 75.2



#64

Chlorobenzene

Concen: 20.290 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058347.D

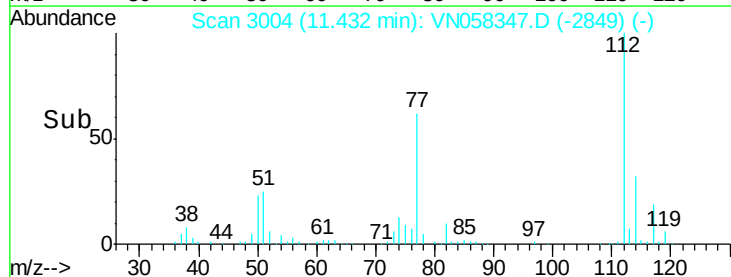
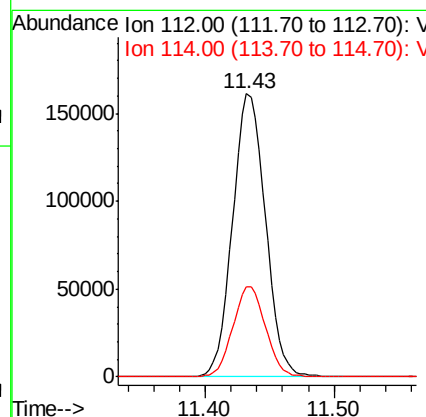
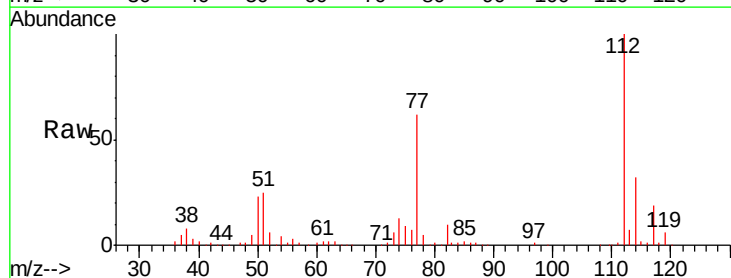
Acq: 24 Sep 2019 15:46

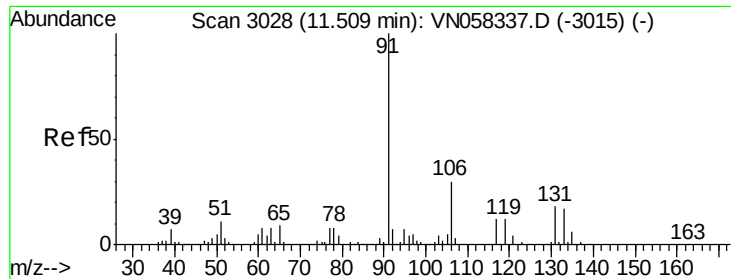
Tgt Ion: 112 Resp: 285384

Ion Ratio Lower Upper

112 100

114 31.7 25.1 37.7

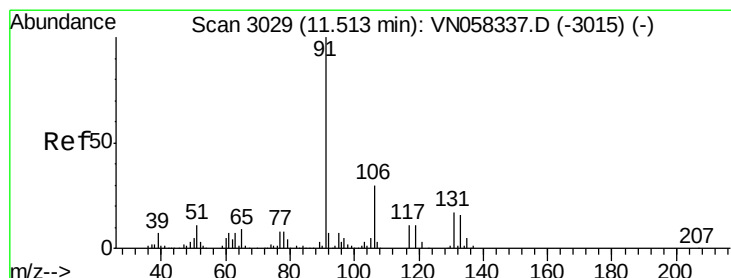
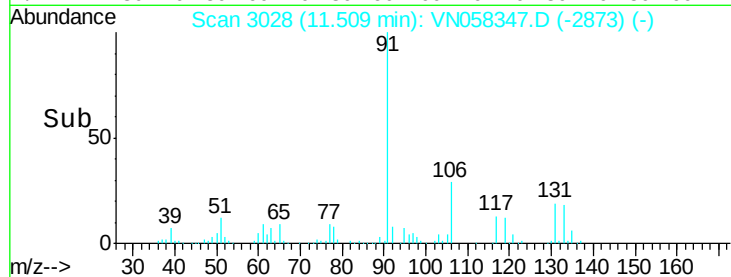
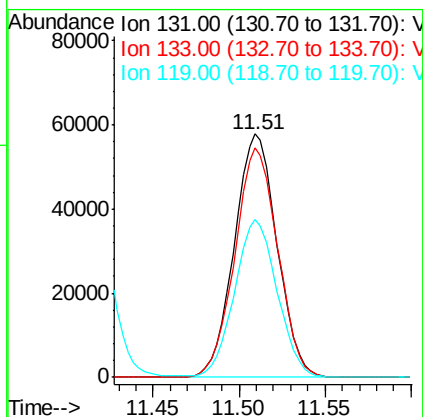
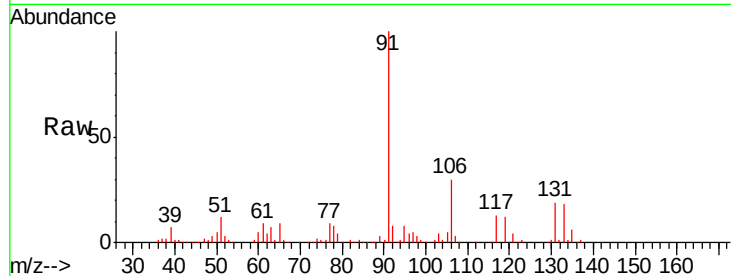




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.188 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

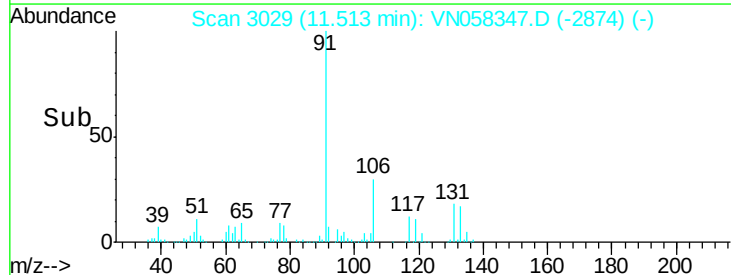
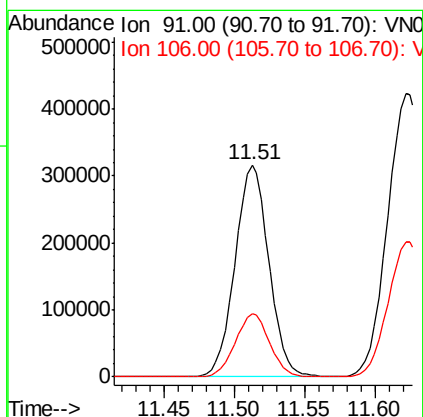
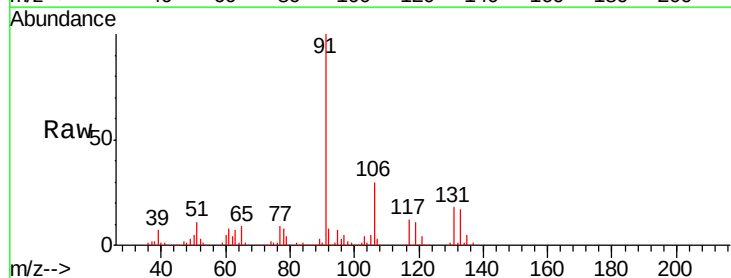
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

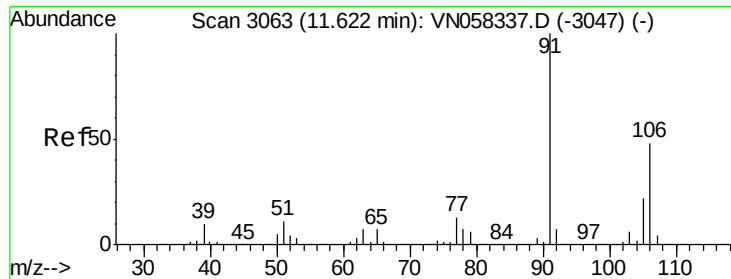
Tgt Ion: 131 Resp: 99538
 Ion Ratio Lower Upper
 131 100
 133 94.7 0.0 191.8
 119 64.7 0.0 134.2



#66
 Ethyl Benzene
 Concen: 21.317 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 91 Resp: 532000
 Ion Ratio Lower Upper
 91 100
 106 30.1 24.2 36.4





#67

m/p-Xylenes

Concen: 40.561 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

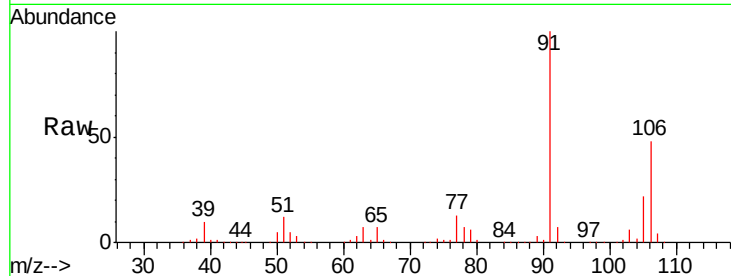
VN0924WBSD01

Tgt Ion:106 Resp: 388636

Ion Ratio Lower Upper

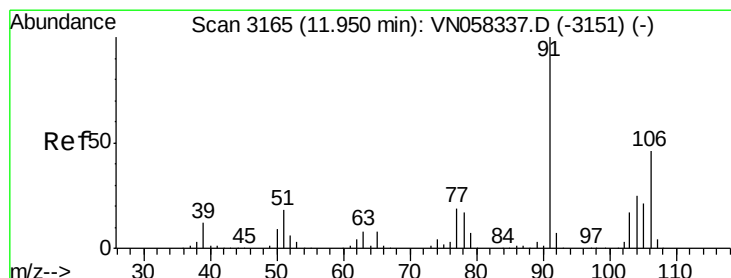
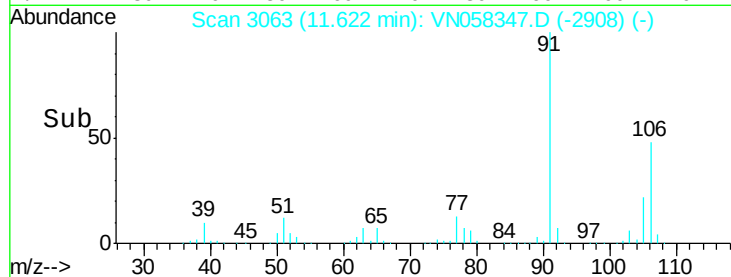
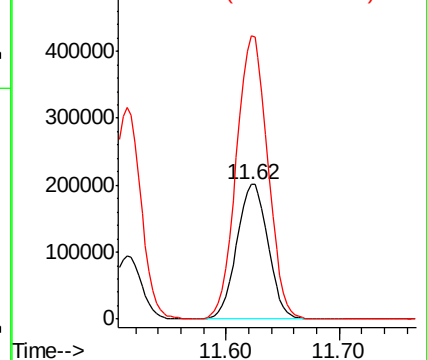
106 100

91 210.2 167.8 251.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.072 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058347.D

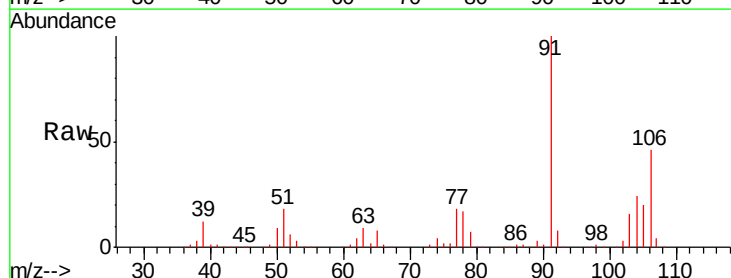
Acq: 24 Sep 2019 15:46

Tgt Ion:106 Resp: 187009

Ion Ratio Lower Upper

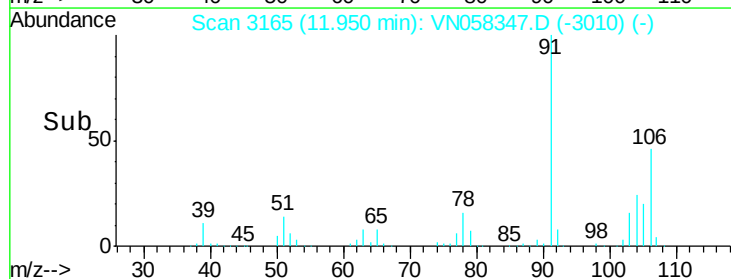
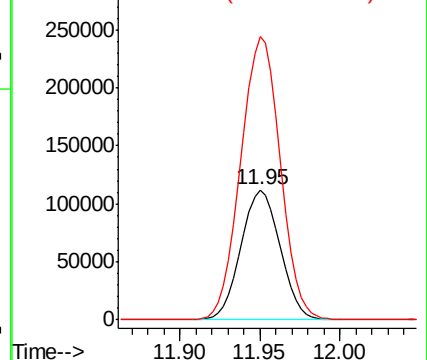
106 100

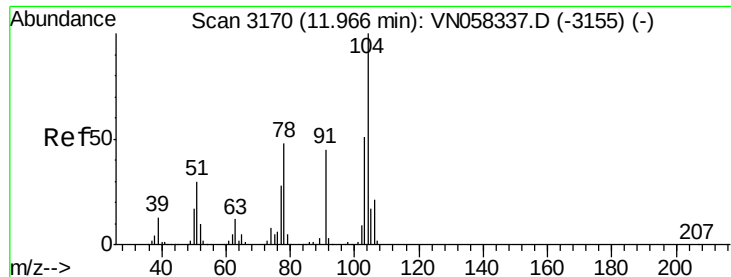
91 220.6 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

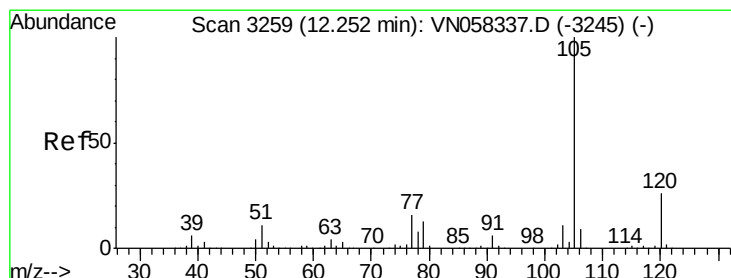
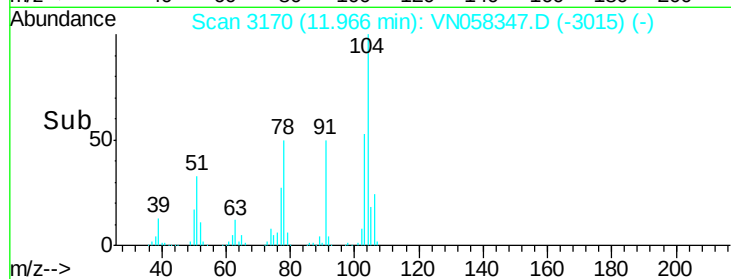
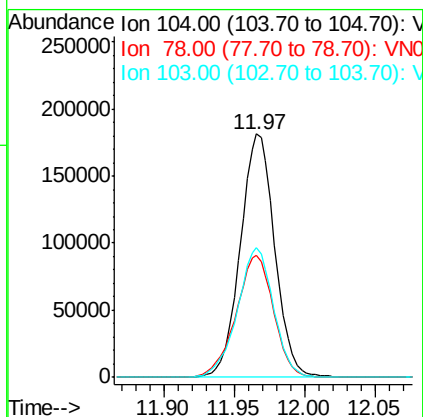
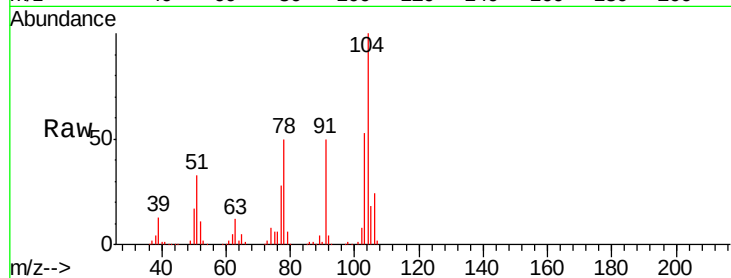




#69
Styrene
 Concen: 19.903 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

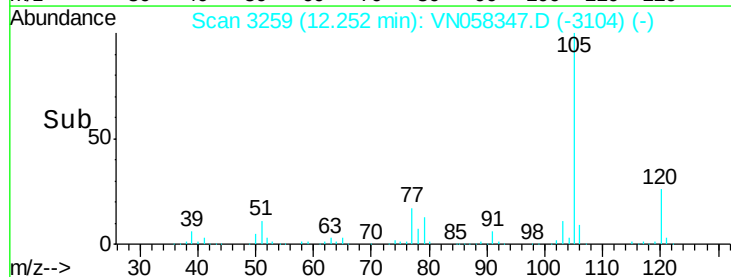
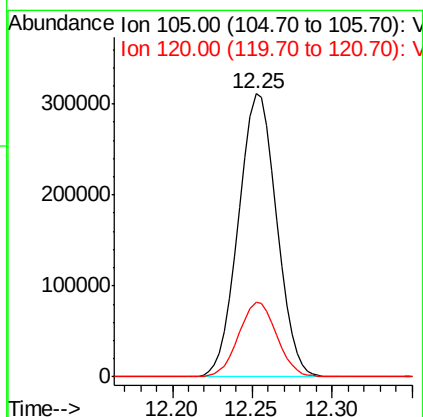
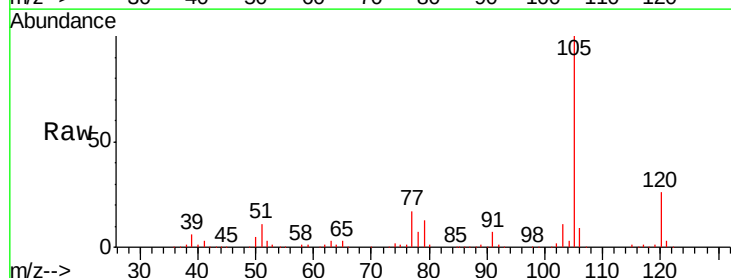
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

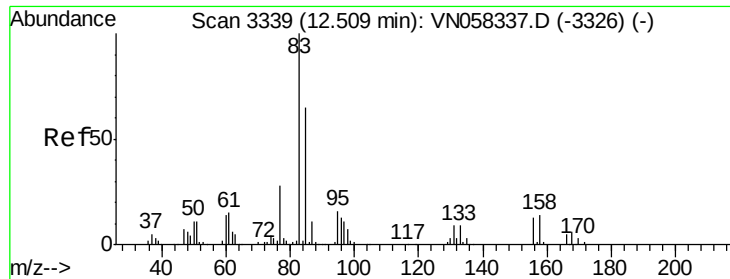
Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.8	42.3	63.5
103	55.8	44.1	66.1



#70
Isopropylbenzene
 Concen: 20.988 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.2	33.8

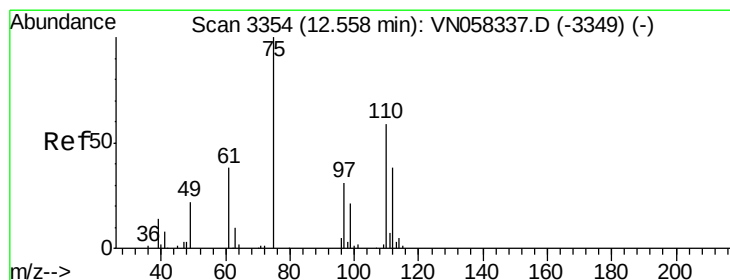
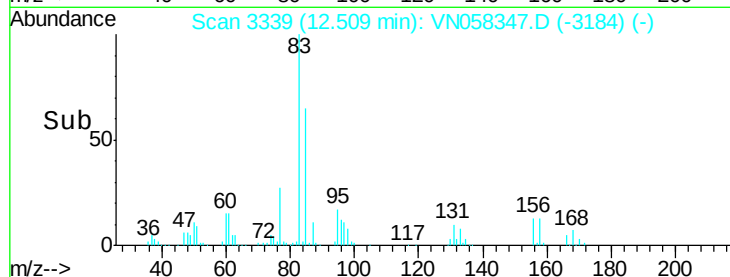
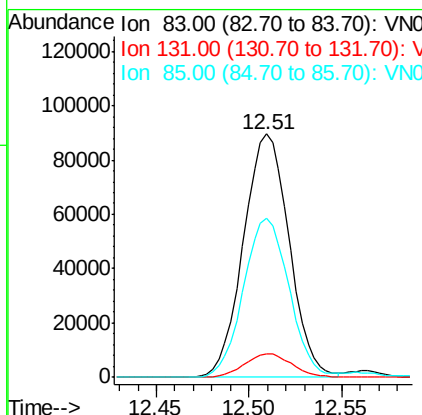
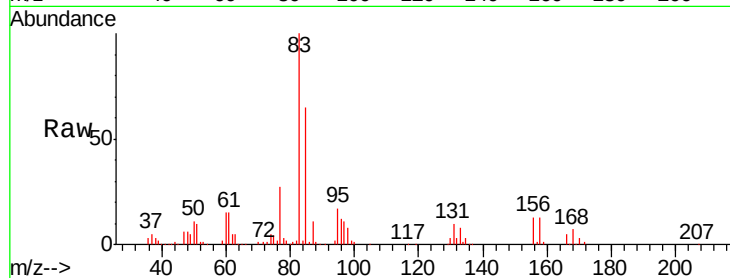




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.989 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

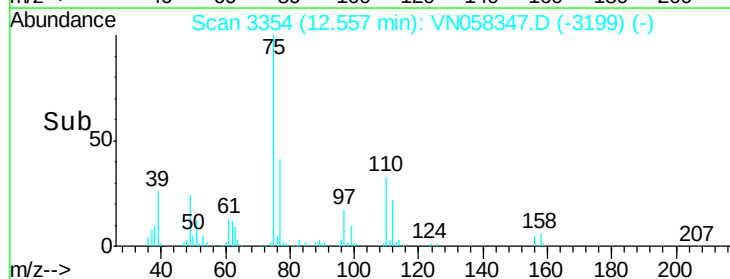
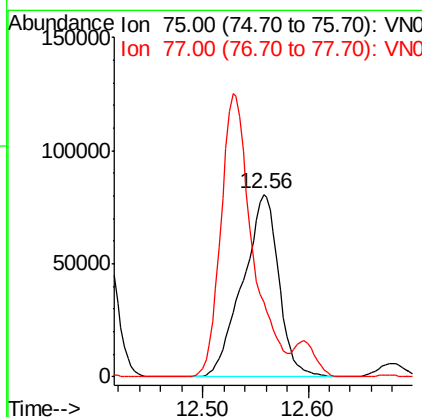
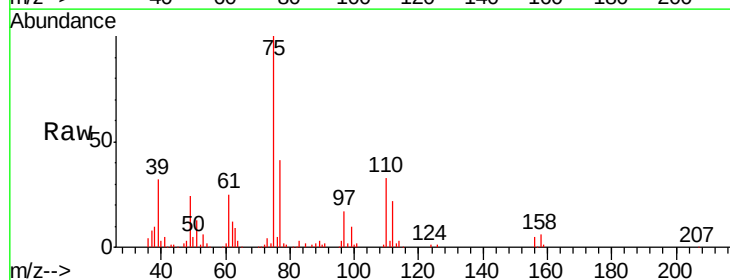
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

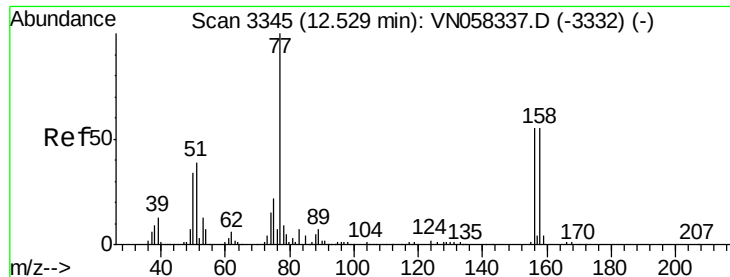
Tgt Ion: 83 Resp: 153392
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.8 14.3
 85 65.3 32.6 97.7



#72
 1,2,3-Trichloropropane
 Concen: 29.070 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 75 Resp: 191850
 Ion Ratio Lower Upper
 75 100
 77 135.7 0.0 382.4





#73

Bromobenzene

Concen: 19.928 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

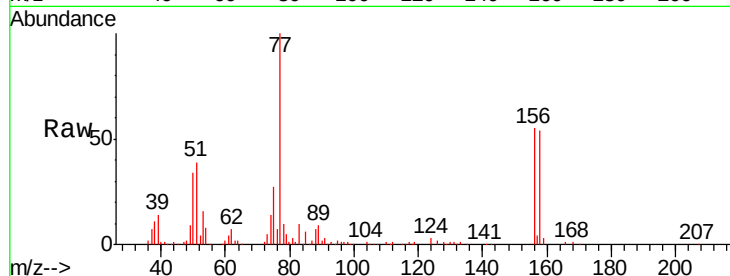
Tgt Ion:156 Resp: 116539

Ion Ratio Lower Upper

156 100

77 223.4 0.0 438.8

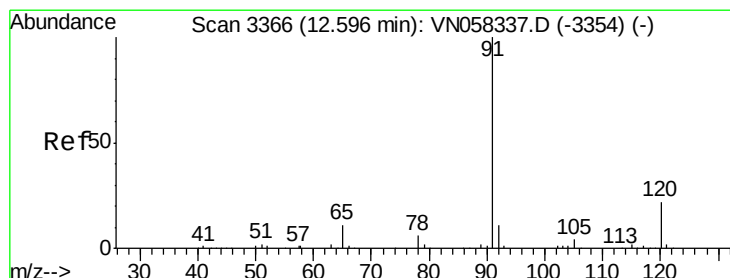
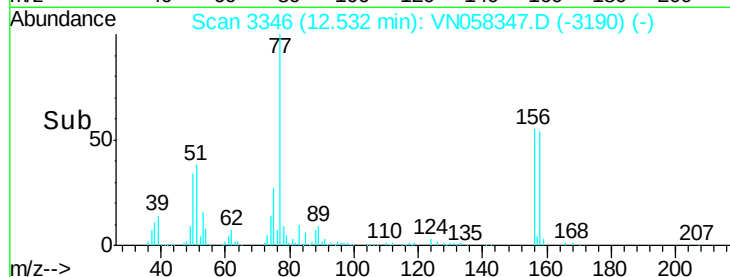
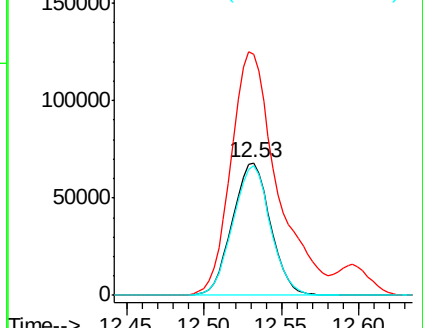
158 96.6 0.0 195.6



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: 21.709 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058347.D

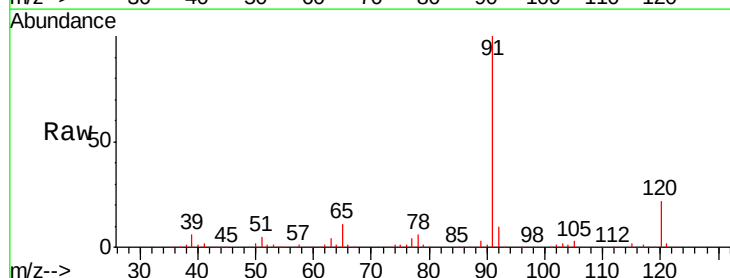
Acq: 24 Sep 2019 15:46

Tgt Ion: 91 Resp: 604263

Ion Ratio Lower Upper

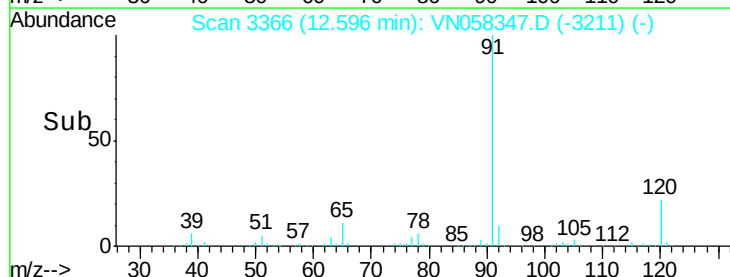
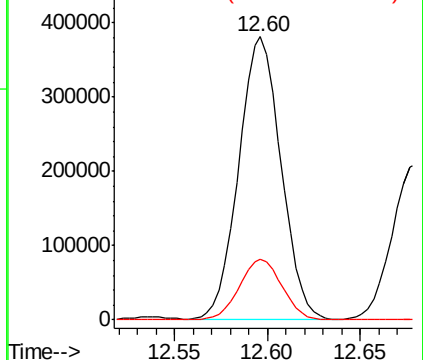
91 100

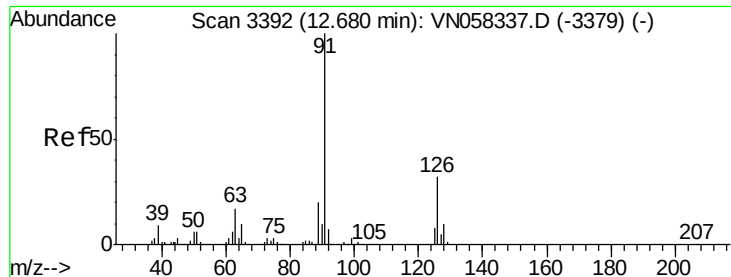
120 21.7 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

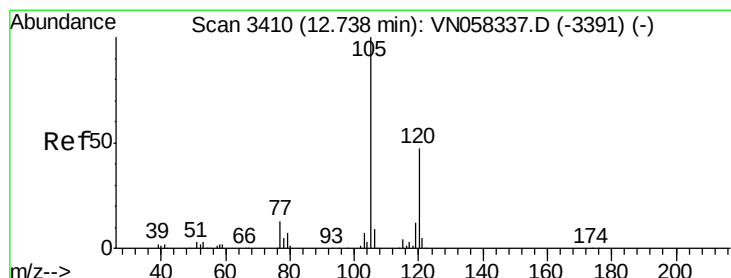
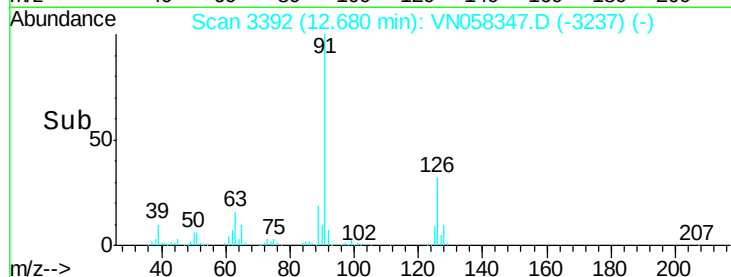
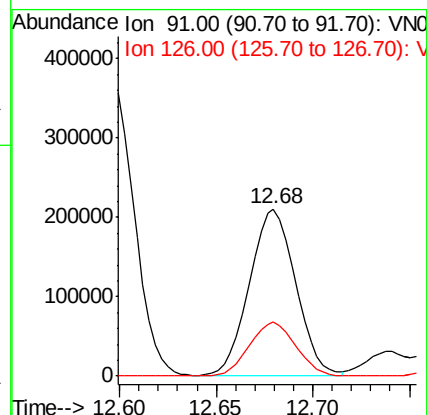
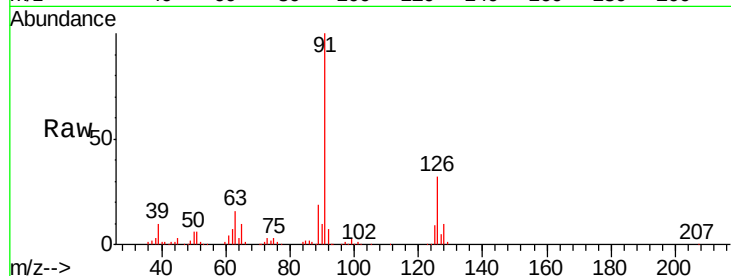
VN0924WBSD01

Tgt Ion: 91 Resp: 349944

Ion Ratio Lower Upper

91 100

126 32.6 0.0 65.0



#76

1,3,5-Trimethylbenzene

Concen: 20.682 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058347.D

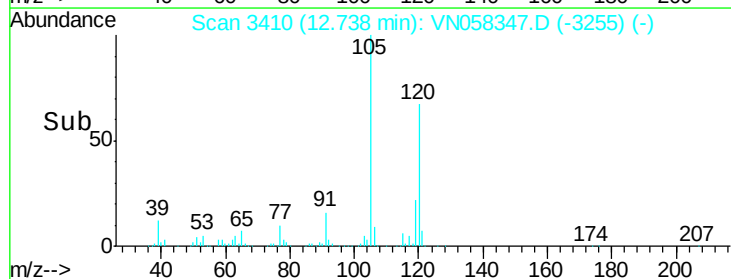
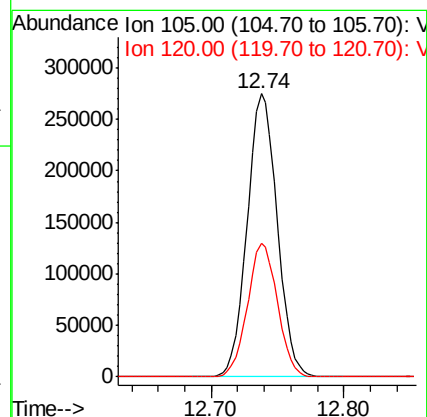
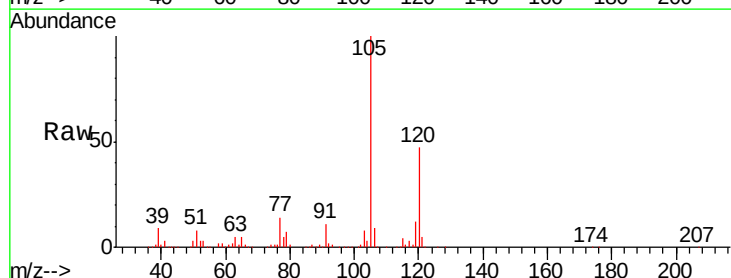
Acq: 24 Sep 2019 15:46

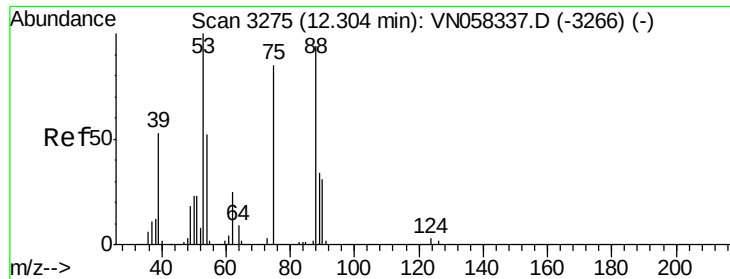
Tgt Ion: 105 Resp: 429973

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4

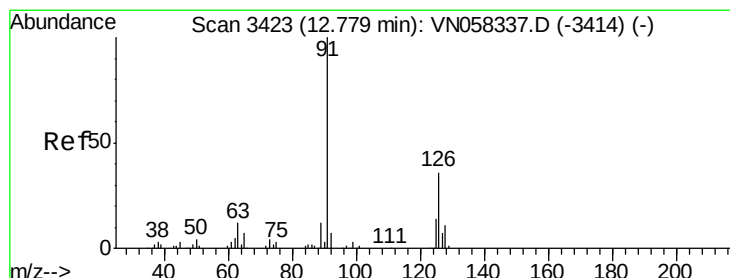
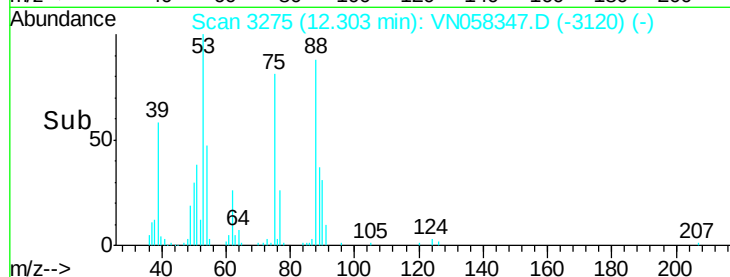
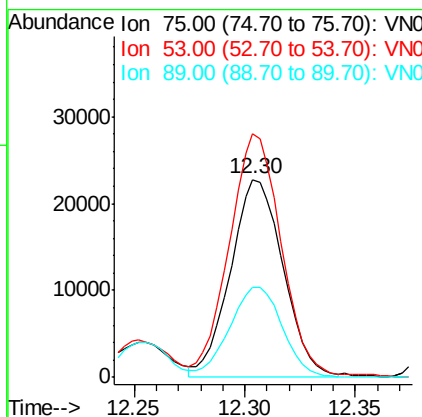
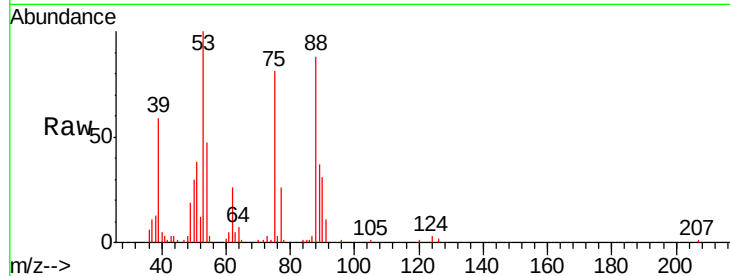




#77
t-1,4-Dichloro-2-butene
Concen: 17.560 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

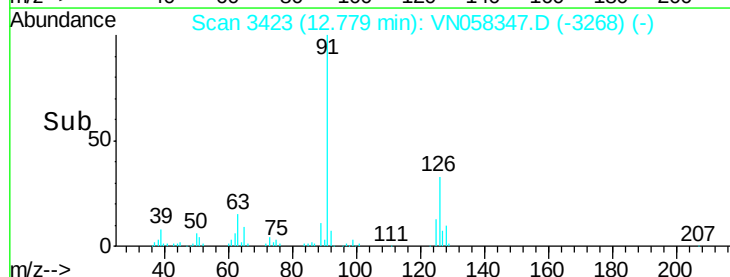
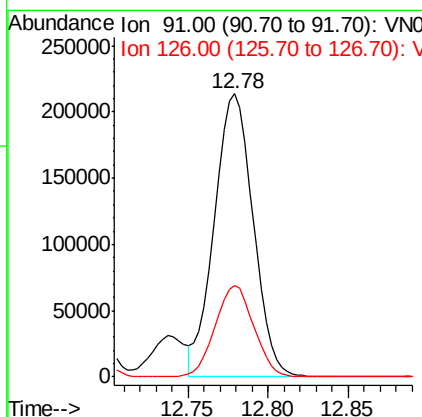
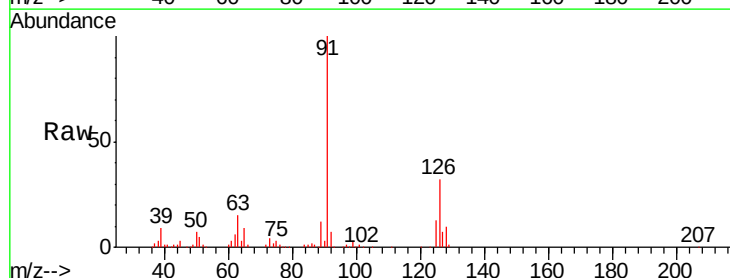
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

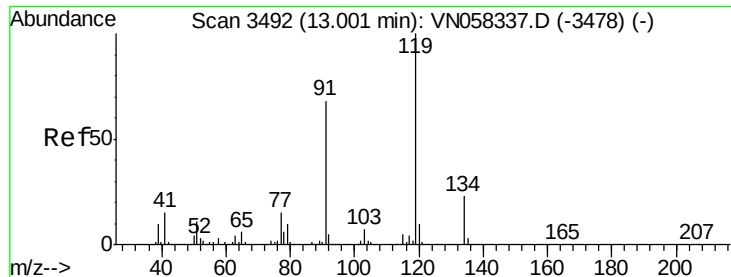
Tgt Ion: 75 Resp: 37801
Ion Ratio Lower Upper
75 100
53 122.9 59.0 176.8
89 46.1 21.6 65.0



#78
4-Chlorotoluene
Concen: 19.924 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 91 Resp: 355548
Ion Ratio Lower Upper
91 100
126 32.2 0.0 63.8

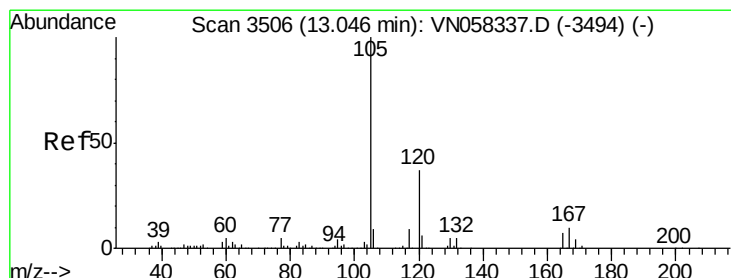
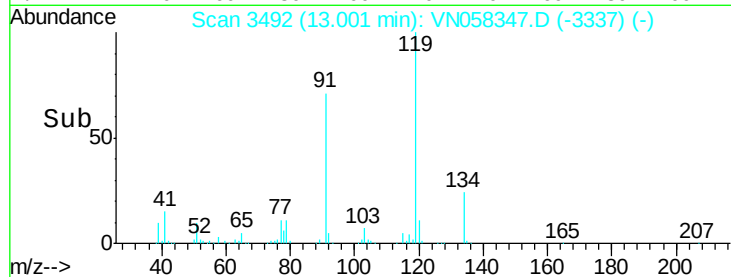
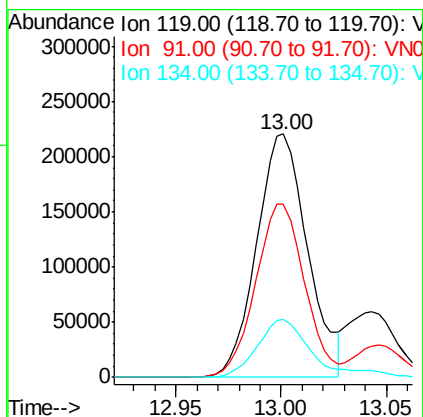
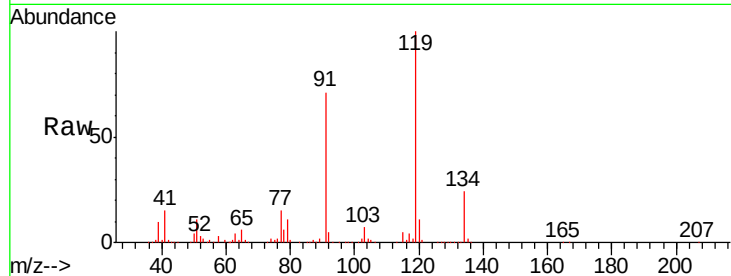




#79
tert-butylbenzene
Concen: 20.629 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

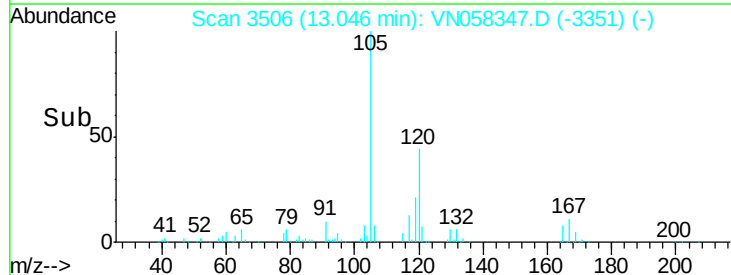
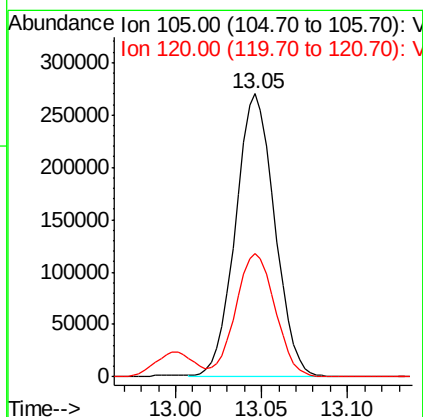
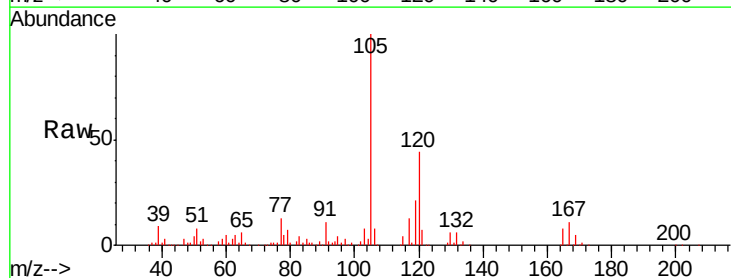
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

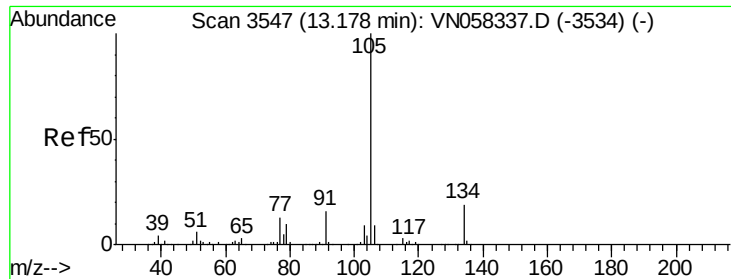
Tgt Ion:119 Resp: 371317
Ion Ratio Lower Upper
119 100
91 68.3 0.0 138.2
134 25.6 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 20.512 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion:105 Resp: 425647
Ion Ratio Lower Upper
105 100
120 44.3 0.0 86.6





#81

sec-Butylbenzene

Concen: 21.090 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

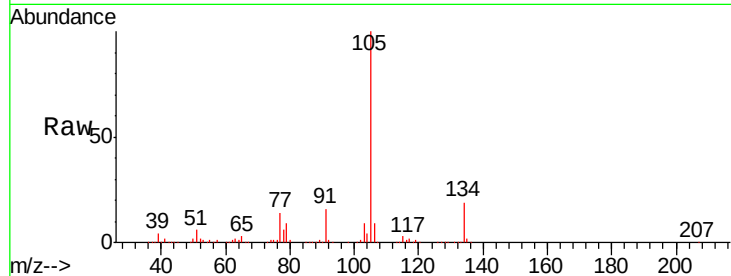
VN0924WBSD01

Tgt Ion:105 Resp: 497913

Ion Ratio Lower Upper

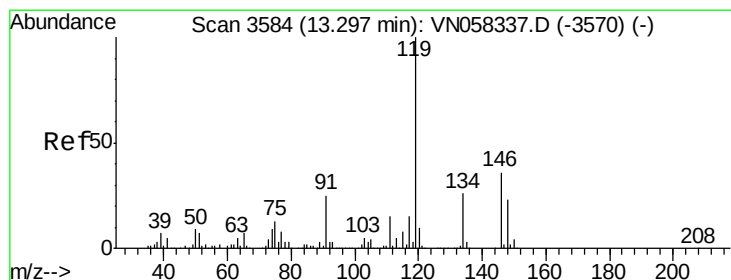
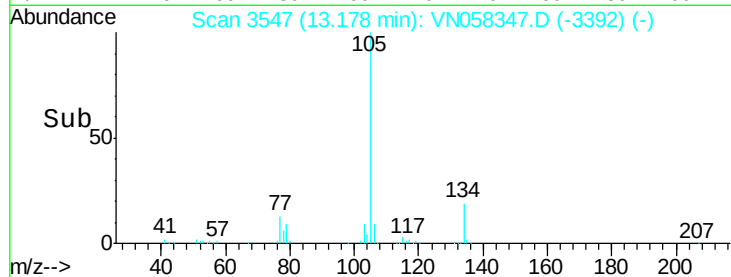
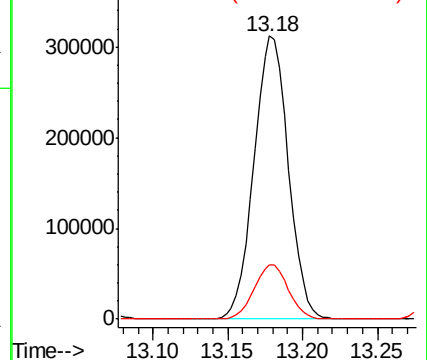
105 100

134 19.1 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.948 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

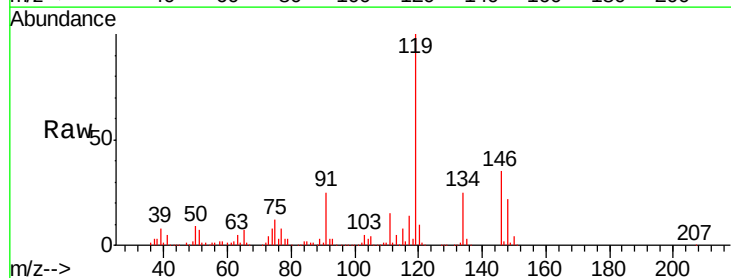
Tgt Ion:119 Resp: 445370

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

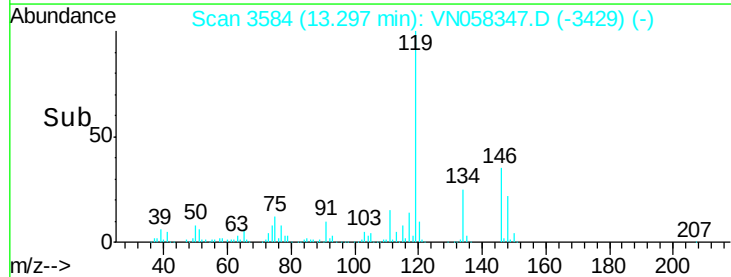
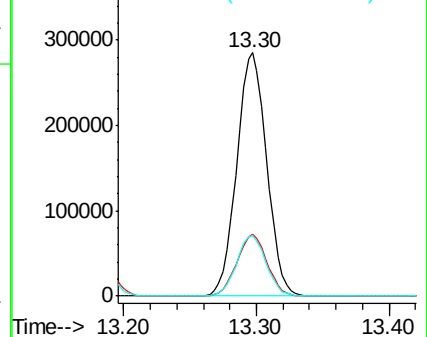
91 24.6 0.0 49.6

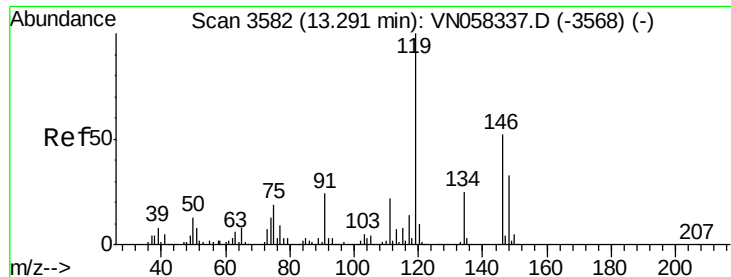


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

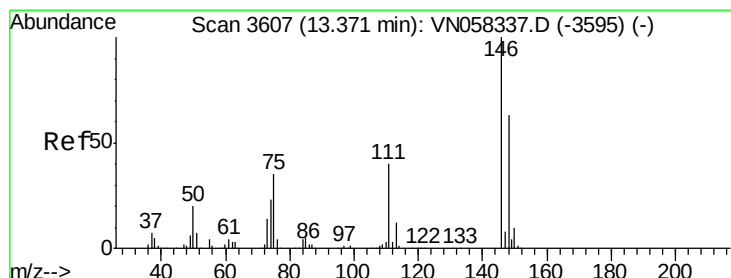
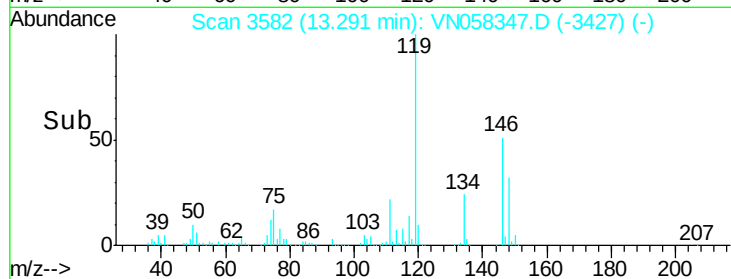
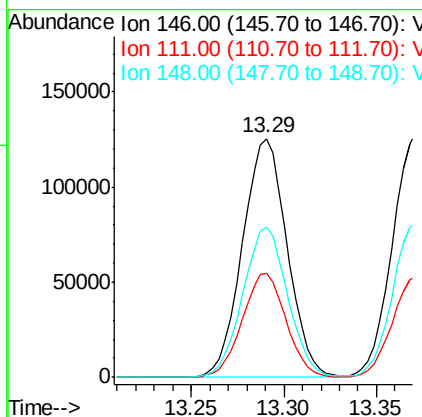
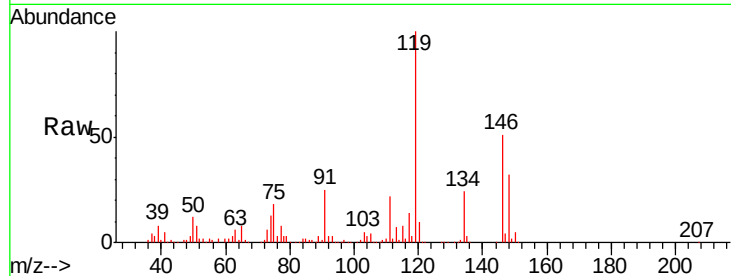




#83
 1,3-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

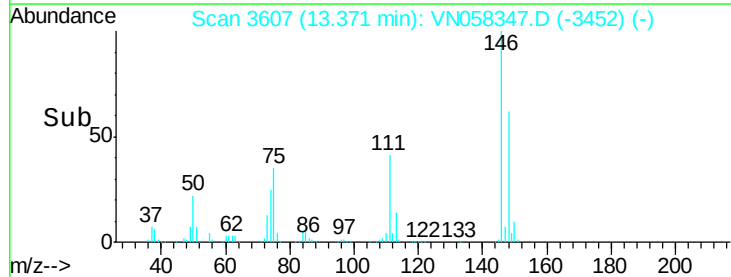
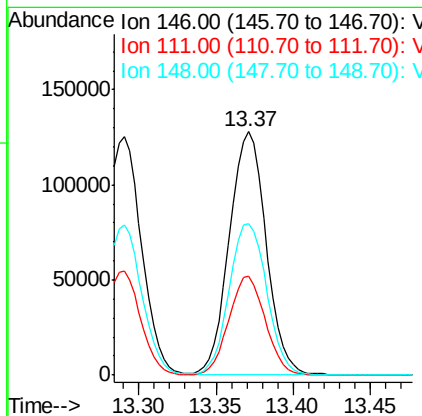
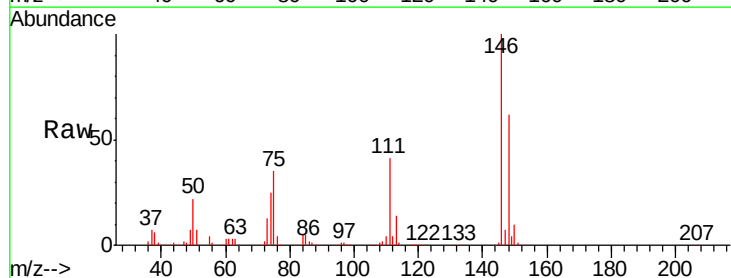
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

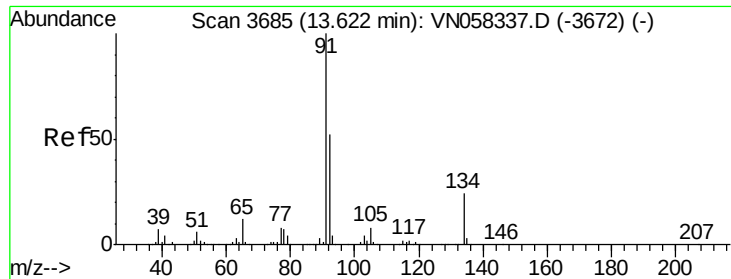
Tgt Ion:146 Resp: 210514
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.9 62.8
 148 63.2 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 19.594 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion:146 Resp: 210411
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.4 61.3
 148 64.3 31.9 95.7





#85

n-Butylbenzene

Concen: 20.391 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

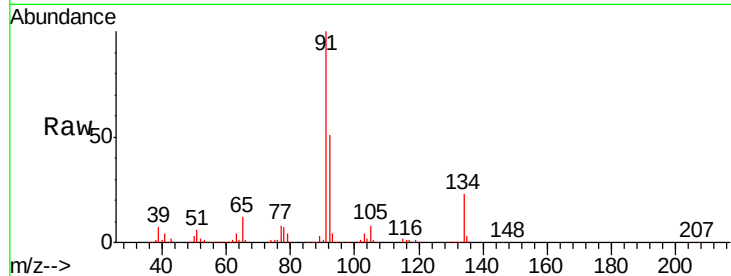
Tgt Ion: 91 Resp: 402777

Ion Ratio Lower Upper

91 100

92 50.4 0.0 102.6

134 23.5 0.0 47.8

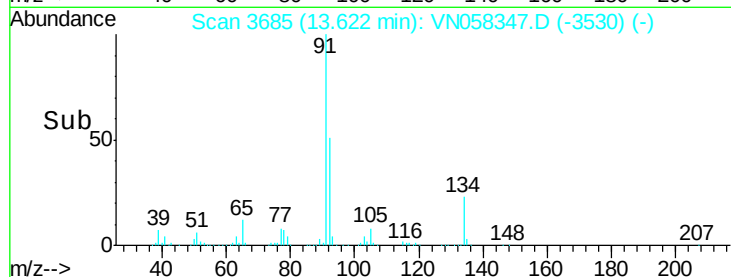


Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058337.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058337.D (-3672) (-)

Time-->

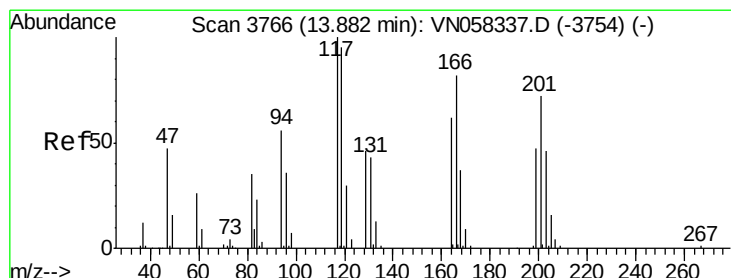


Abundance Ion 91.00 (90.70 to 91.70): VN058347.D (-3530) (-)

Ion 92.00 (91.70 to 92.70): VN058347.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN058347.D (-3530) (-)

Time-->



#86

Hexachloroethane

Concen: 19.180 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058347.D

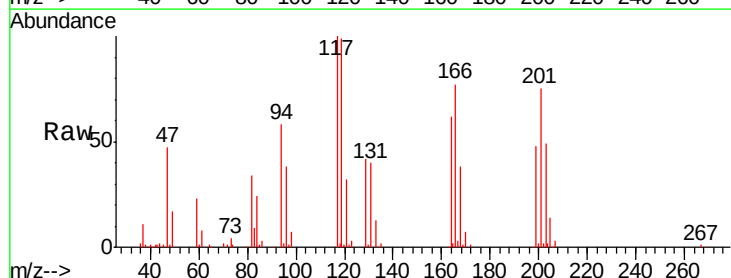
Acq: 24 Sep 2019 15:46

Tgt Ion: 117 Resp: 65864

Ion Ratio Lower Upper

117 100

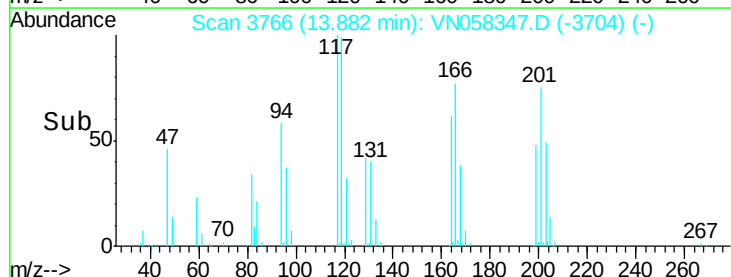
201 73.2 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): VN058337.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN058337.D (-3754) (-)

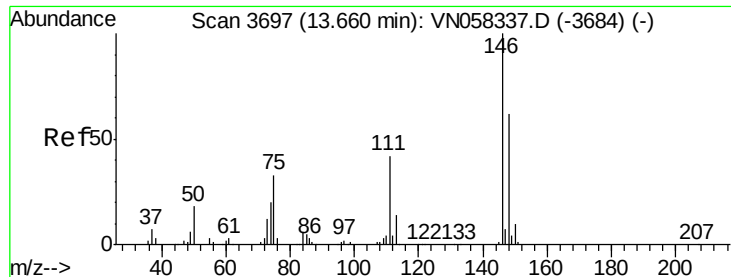
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN058347.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN058347.D (-3704) (-)

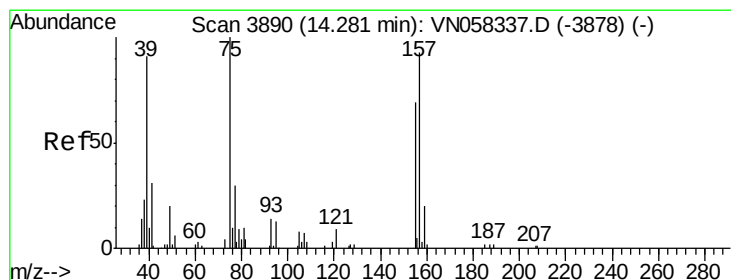
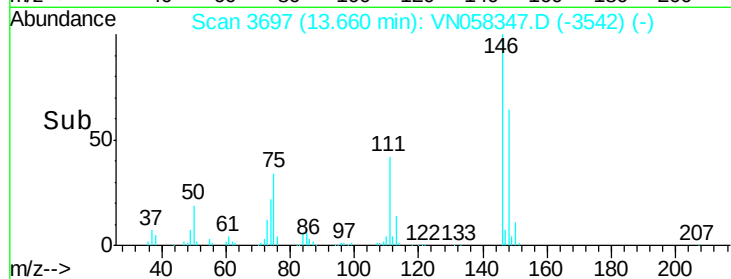
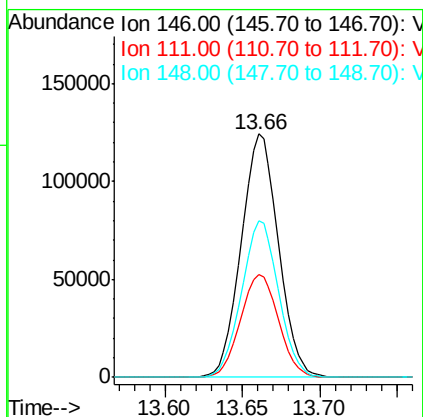
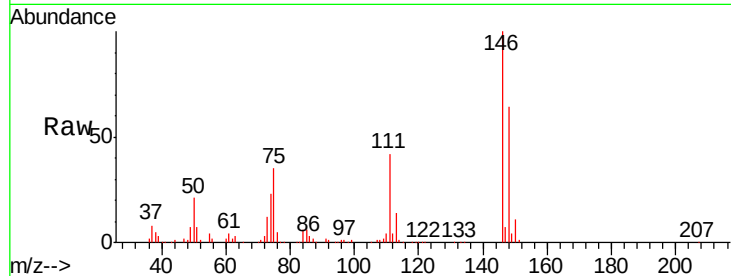
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 19.776 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

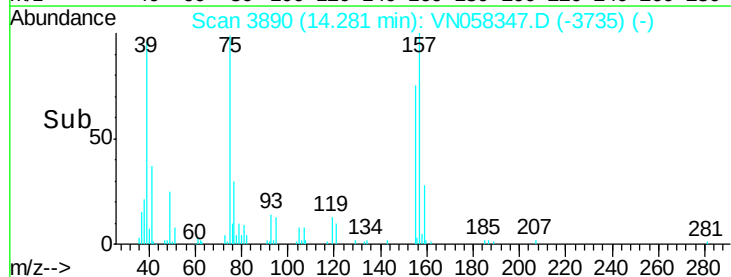
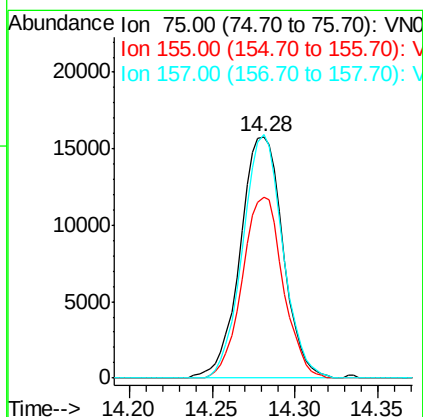
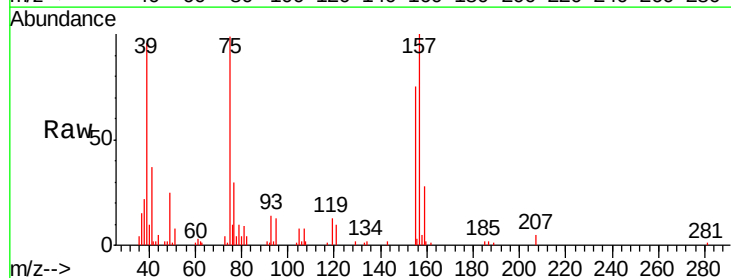
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

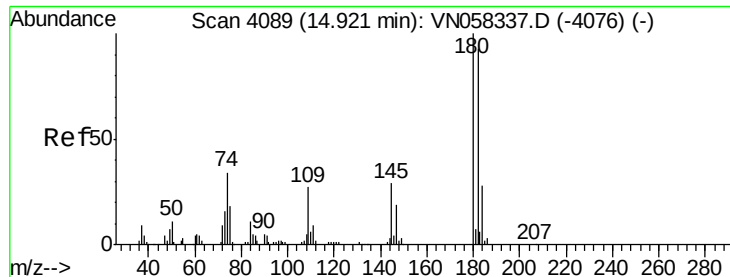
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	64.0	31.9	95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.935 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	58.5	87.7
157	94.3	75.4	113.2





#89

1,2,4-Trichlorobenzene

Concen: 18.679 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

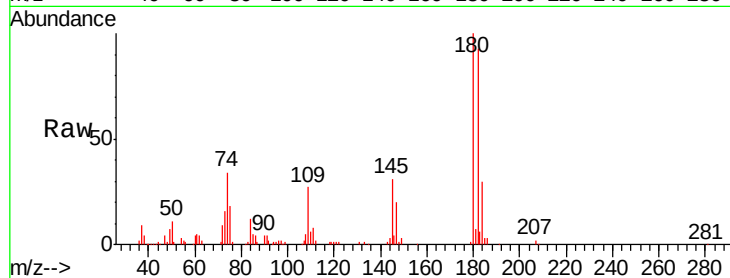
Tgt Ion:180 Resp: 128571

Ion Ratio Lower Upper

180 100

182 93.5 75.2 112.8

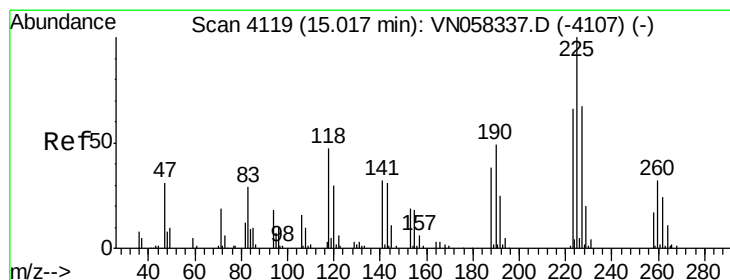
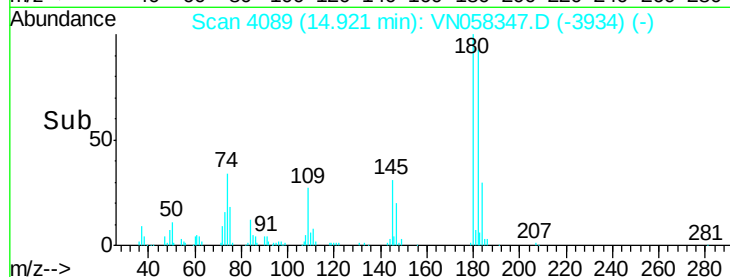
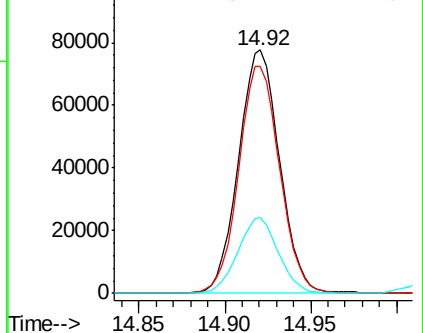
145 30.8 25.1 37.7



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: 19.389 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

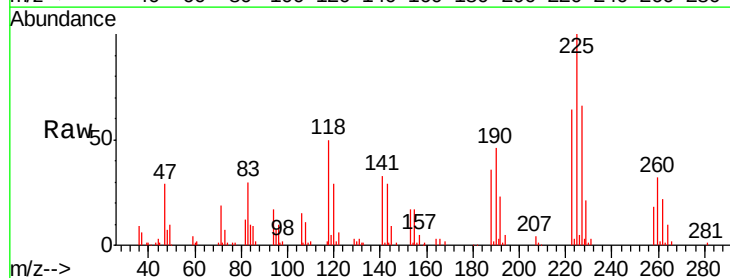
Tgt Ion:225 Resp: 64574

Ion Ratio Lower Upper

225 100

223 63.6 0.0 132.6

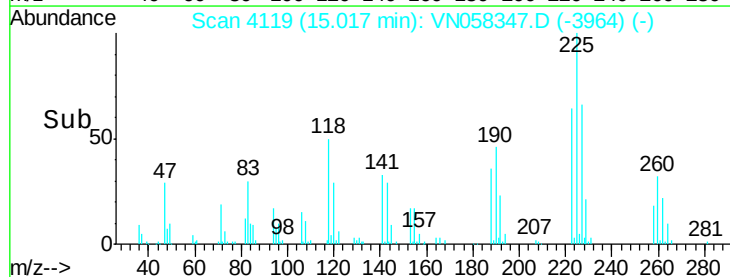
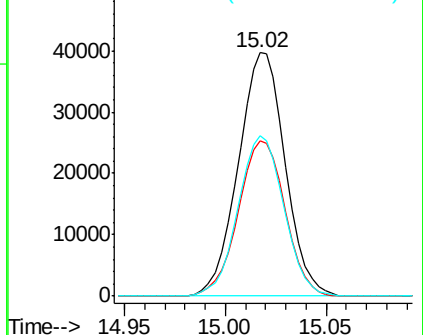
227 64.5 0.0 129.2

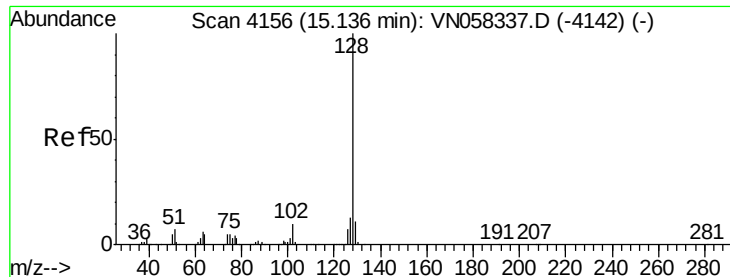


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.966 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

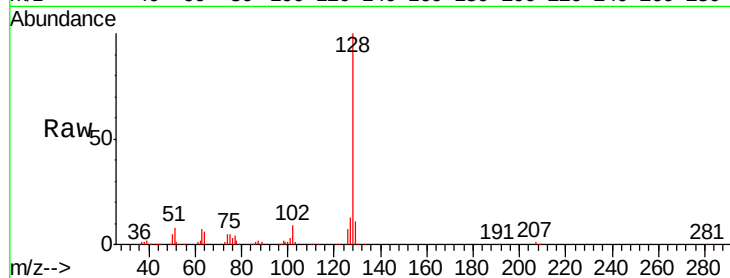
Tgt Ion:128 Resp: 377402

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

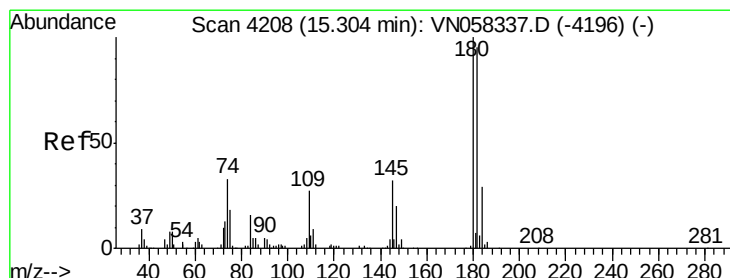
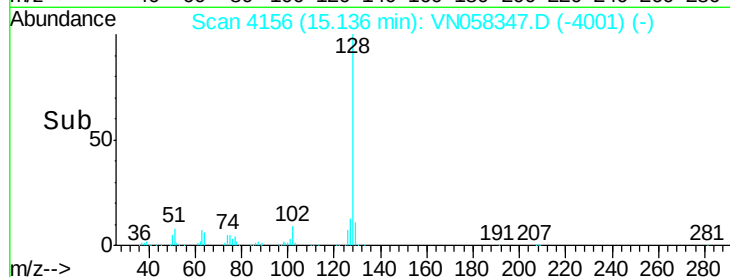
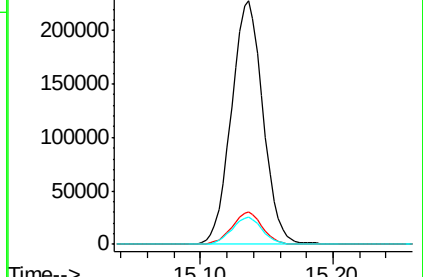
129 10.8 8.6 13.0



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: 18.011 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

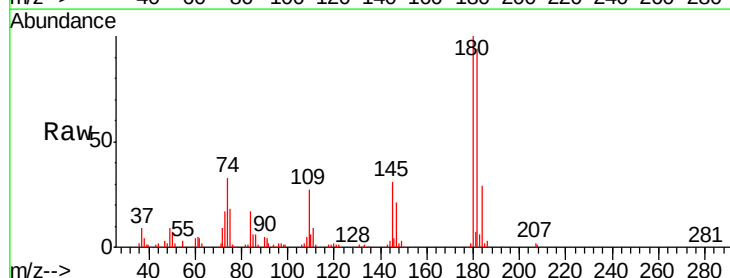
Tgt Ion:180 Resp: 119065

Ion Ratio Lower Upper

180 100

182 96.3 0.0 189.4

145 31.7 0.0 64.0



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

