

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057545.D
 Acq On : 27 Aug 2019 10:44
 Operator : JC/SP
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Quant Time: Sep 03 04:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	63626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	366811	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	322095	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187918	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.40	95	149421	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	10.09	98	494626	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	68657	20.627 ug/l	96
3) Chloromethane	2.05	50	105614	21.130 ug/l	97
4) Vinyl Chloride	2.17	62	136081	21.430 ug/l	100
5) Bromomethane	2.55	94	81325	19.797 ug/l	95
6) Chloroethane	2.69	64	87896	20.665 ug/l	98
7) Trichlorofluoromethane	3.00	101	207567	20.551 ug/l	94
8) Diethyl Ether	3.39	74	77816	20.056 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77008	13.538 ug/l	99
10) 1,1-Dichloroethene	3.70	96	90396	16.460 ug/l	96
11) Methyl Iodide	3.92	142	84590	17.135 ug/l	98
12) Methyl Acetate	4.30	43	112139	20.270 ug/l	94
13) Acrolein	3.58	56	63426	90.146 ug/l	98
14) Acrylonitrile	4.97	53	197238	102.625 ug/l	97
15) Acetone	3.79	58	56873	63.257 ug/l	97
16) Carbon Disulfide	4.02	76	187085	19.125 ug/l	99
17) Allyl chloride	4.29	41	151580	20.232 ug/l	98
18) Methylene Chloride	4.53	84	86887	21.573 ug/l	98
19) trans-1,2-Dichloroethene	5.01	96	78825	20.783 ug/l	97
20) Diisopropyl ether	5.93	45	325481	20.349 ug/l	98
21) 1,1-Dichloroethane	5.82	63	177302	21.332 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	97871	21.216 ug/l	96
23) tert-Butyl Alcohol	4.79	59	66455	95.188 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	271564	21.403 ug/l	100
25) Chloroform	7.36	83	171558	20.790 ug/l	97
26) Cyclohexane	7.63	56	149694	20.226 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	123518	19.813 ug/l	99
30) 2-Butanone	6.82	43	286947	95.737 ug/l	97
31) 2,2-Dichloropropane	6.80	77	142387	19.991 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	143305	20.108 ug/l	97
33) Carbon Tetrachloride	7.76	117	111858	18.902 ug/l	95
34) Benzene	8.03	78	382269	20.852 ug/l	99
35) Methacrylonitrile	7.15	41	65448	21.576 ug/l	94
36) 1,2-Dichloroethane	8.11	62	148984	20.731 ug/l	# 88
37) Trichloroethene	8.82	130	82994	19.843 ug/l	93
38) Methylcyclohexane	9.07	83	146264	20.903 ug/l	97
39) 1,2-Dichloropropane	9.11	63	106627	20.456 ug/l	94
40) Dibromomethane	9.20	93	65730	20.633 ug/l	96

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 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Quant Time: Sep 03 04:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132505	19.611	ug/l	99
42) Vinyl Acetate	5.87	43	1289840	96.164	ug/l	99
43) Ethyl Acetate	6.91	43	121137	20.763	ug/l	98
44) Isopropyl Acetate	8.16	43	213335	19.156	ug/l #	93
45) 1,4-Dioxane	9.19	88	26210	391.533	ug/l	98
46) Methyl methacrylate	9.19	41	99485	18.810	ug/l	99
47) n-amyl Acetate	12.07	43	163508	18.242	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	128829	18.049	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	151719	19.340	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	83214	19.921	ug/l	97
51) Ethyl methacrylate	10.43	69	132182	19.035	ug/l	97
52) 1,3-Dichloropropane	10.70	76	153690	20.180	ug/l	100
53) Dibromochloromethane	10.90	129	83028	18.644	ug/l	100
54) 1,2-Dibromoethane	11.00	107	82681	19.344	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	183094	106.965	ug/l	98
56) Bromoform	12.13	173	46317	17.427	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	606079	95.918	ug/l	99
59) 2-Hexanone	10.75	43	418949	95.656	ug/l	99
61) Tetrachloroethene	10.63	164	76432	20.692	ug/l	94
62) Toluene	10.15	91	399047	20.271	ug/l	99
64) Chlorobenzene	11.43	112	215403	20.127	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	79778	19.615	ug/l	97
66) Ethyl Benzene	11.51	91	418430	19.861	ug/l	99
67) m/p-Xylenes	11.62	106	290546	39.761	ug/l	99
68) o-Xylene	11.95	106	142980	19.799	ug/l	96
69) Styrene	11.96	104	227308	19.704	ug/l	98
70) Isopropylbenzene	12.25	105	389506	20.163	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	112935	20.215	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	139054	27.419	ug/l	63
73) Bromobenzene	12.53	156	78513	20.079	ug/l	94
74) n-propylbenzene	12.59	91	428216	19.439	ug/l	99
75) 2-Chlorotoluene	12.67	91	257632	19.859	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	309592	19.527	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	28866	15.872	ug/l	96
78) 4-Chlorotoluene	12.77	91	241735	19.720	ug/l	99
79) tert-butylbenzene	12.99	119	273945	20.306	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	290290	19.640	ug/l	99
81) sec-Butylbenzene	13.17	105	348097	19.581	ug/l	97
82) p-Isopropyltoluene	13.29	119	285375	19.094	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115543	18.981	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	108513	18.324	ug/l	97
85) n-Butylbenzene	13.62	91	234154	17.971	ug/l	98
86) Hexachloroethane	13.88	117	52156	17.295	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	117504	19.656	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15540	16.575	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	29790	13.299	ug/l	95
90) Hexachlorobutadiene	15.01	225	34497	20.031	ug/l	95
91) Naphthalene	15.13	128	95981	18.628	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	28381	12.670	ug/l	96

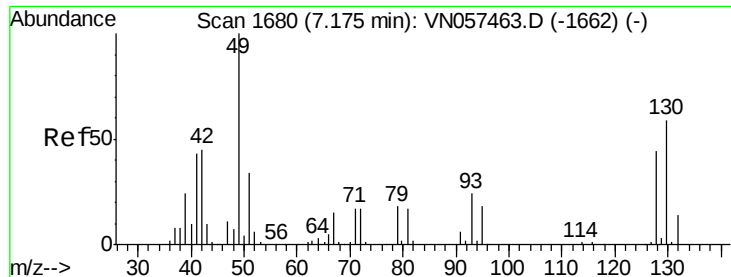
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
Data File : VN057545.D
Acq On : 27 Aug 2019 10:44
Operator : JC/SP
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Quant Time: Sep 03 04:00:13 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
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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: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

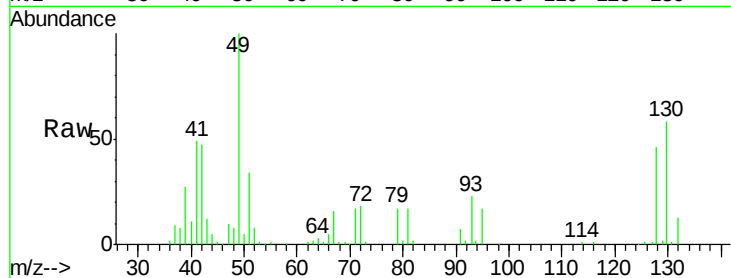
Tot Ion:128 Resp: 63626

Ion Ratio Lower Upper

128 100

49 217.8 0.0 560.5

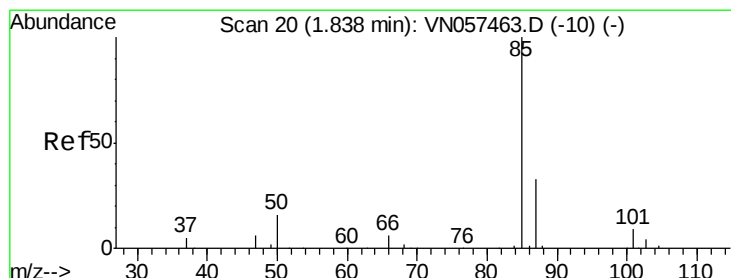
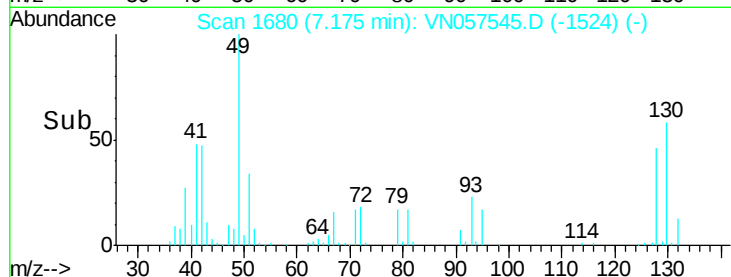
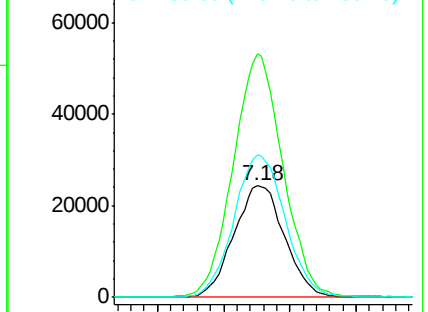
130 131.9 0.0 317.3



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: 20.627 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057545.D

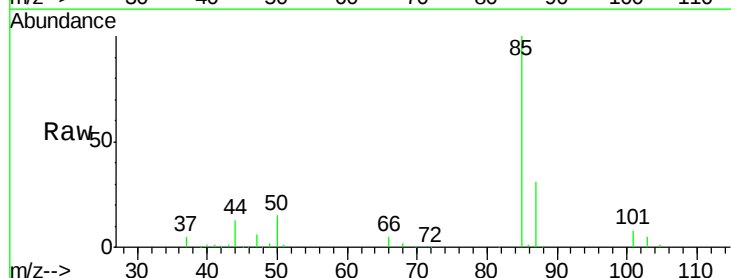
Acq: 27 Aug 2019 10:44

Tgt Ion: 85 Resp: 68657

Ion Ratio Lower Upper

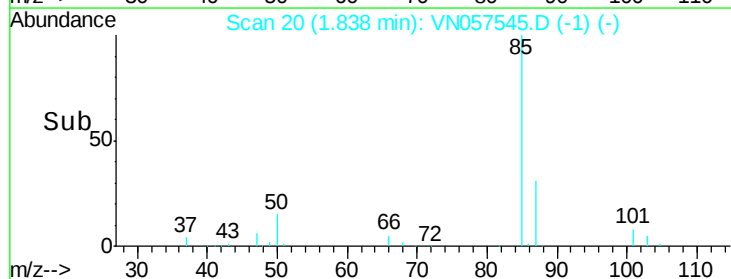
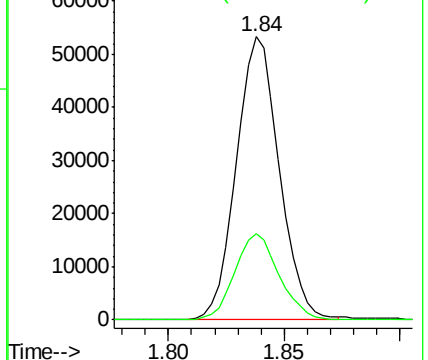
85 100

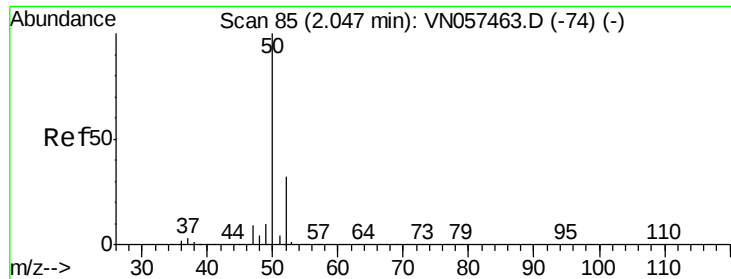
87 30.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.130 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

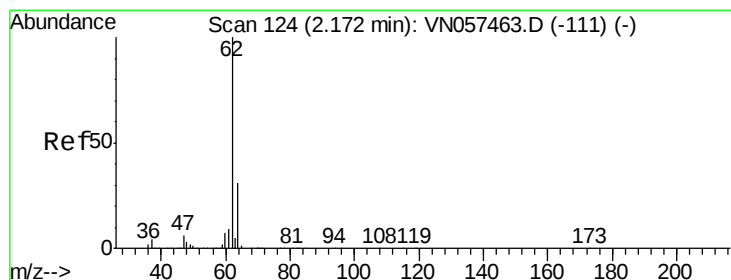
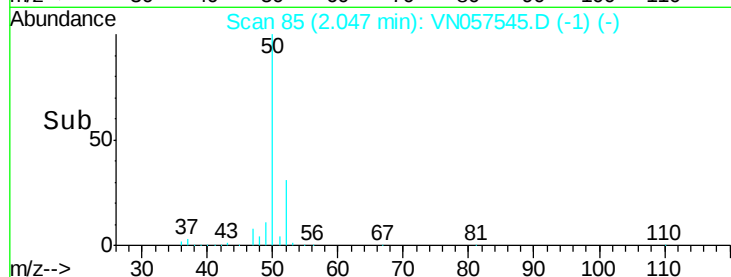
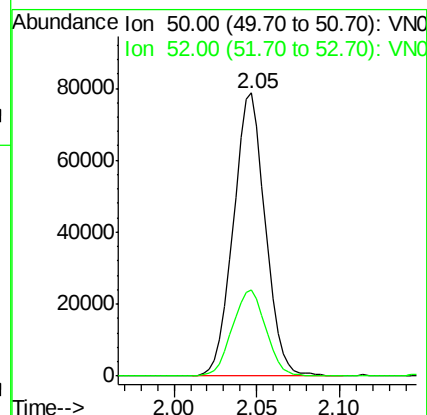
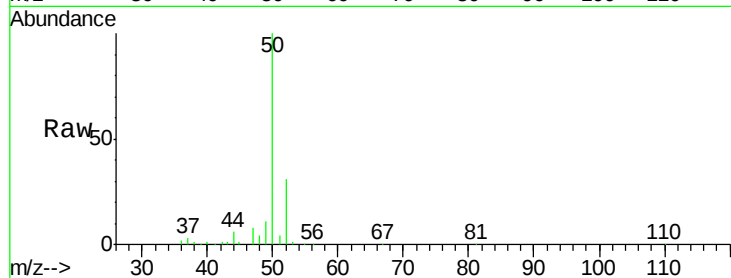
VN0827WBS01

Tot Ion: 50 Resp: 105614

Ion Ratio Lower Upper

50 100

52 30.6 25.8 38.6



#4

Vinyl Chloride

Concen: 21.430 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057545.D

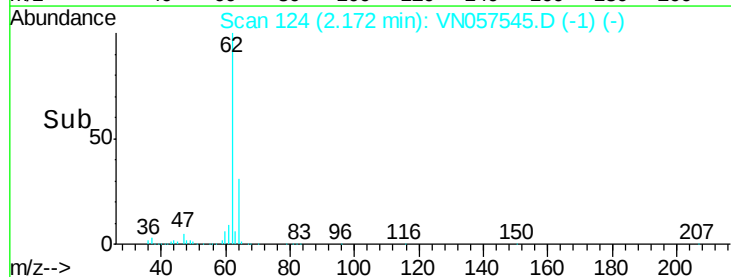
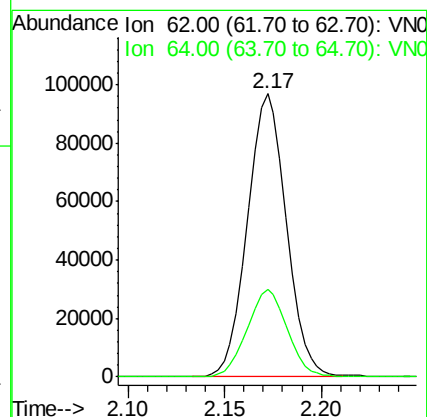
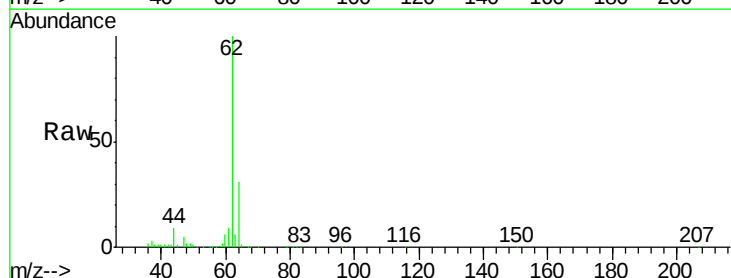
Acq: 27 Aug 2019 10:44

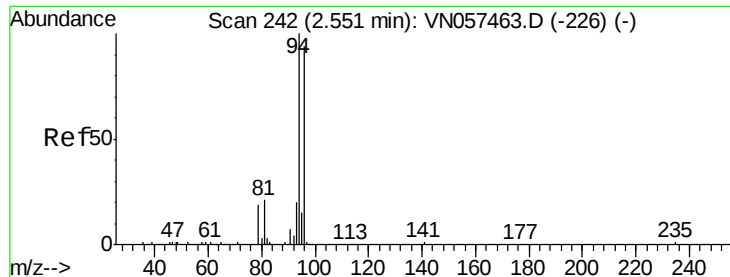
Tgt Ion: 62 Resp: 136081

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 19.797 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

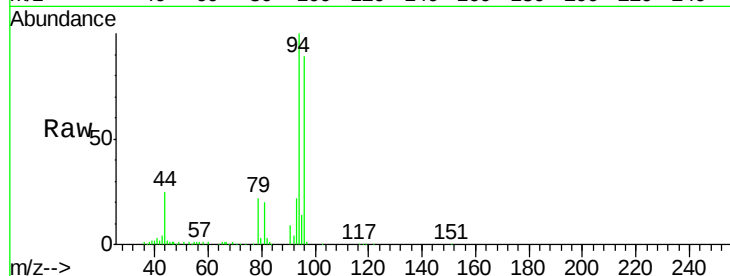
VN0827WBS01

Tot Ion: 94 Resp: 81325

Ion Ratio Lower Upper

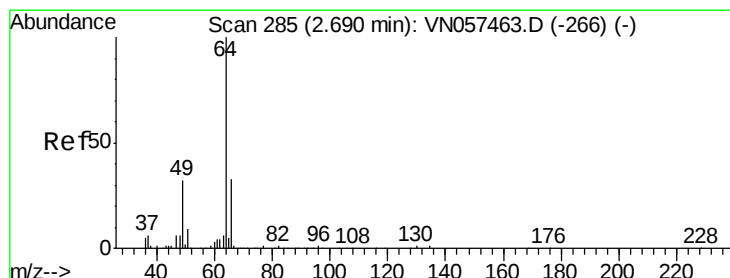
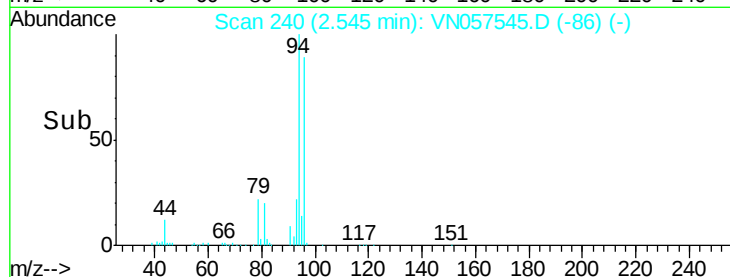
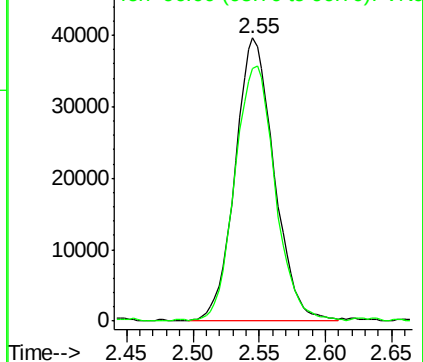
94 100

96 88.9 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.665 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057545.D

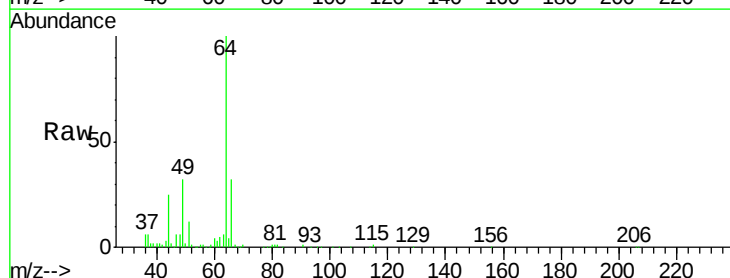
Acq: 27 Aug 2019 10:44

Tgt Ion: 64 Resp: 87896

Ion Ratio Lower Upper

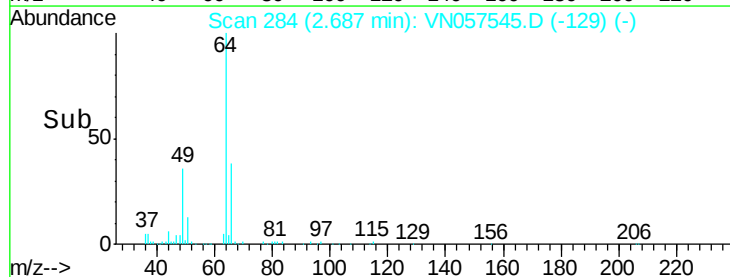
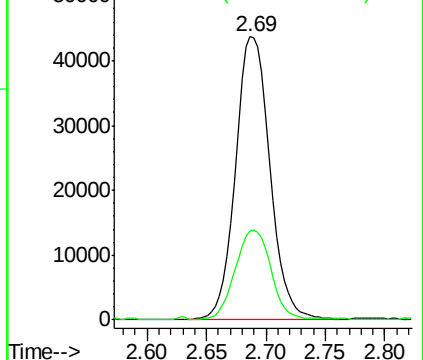
64 100

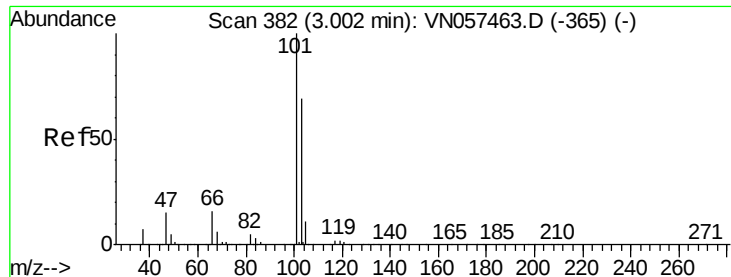
66 31.6 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



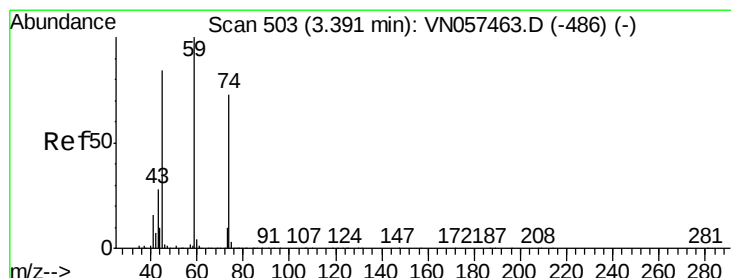
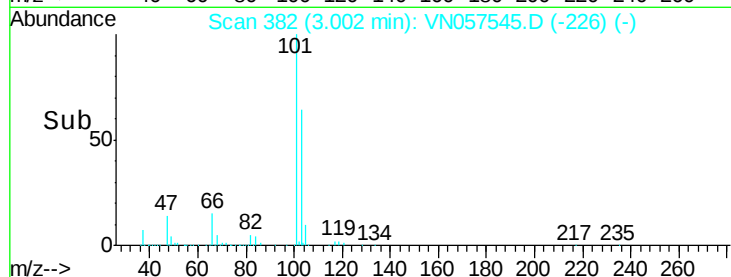
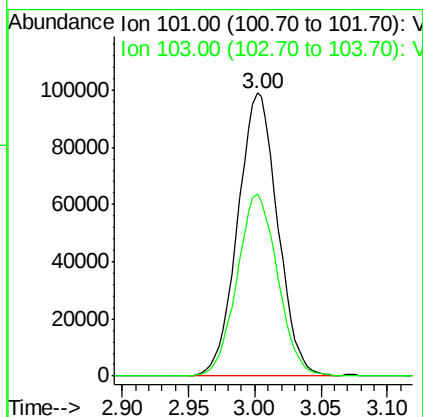
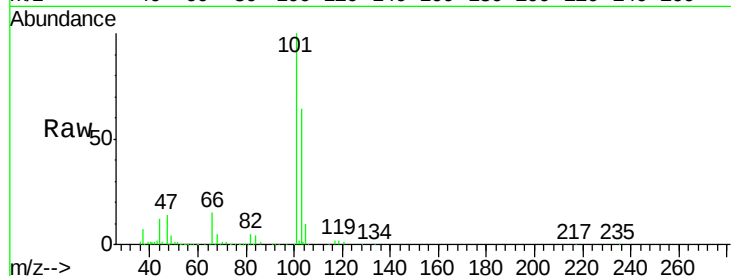


#7

Trichlorofluoromethane
 Concen: 20.551 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

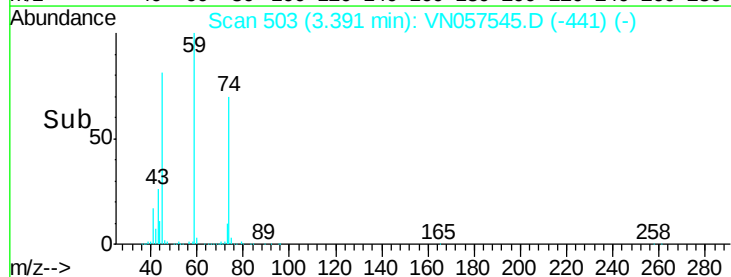
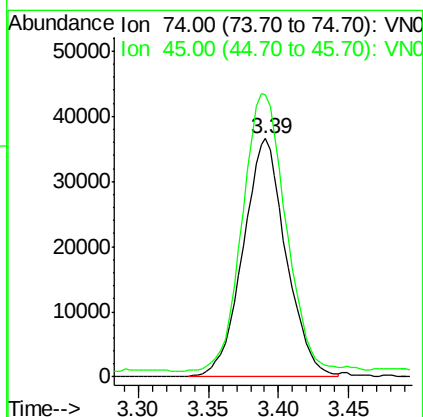
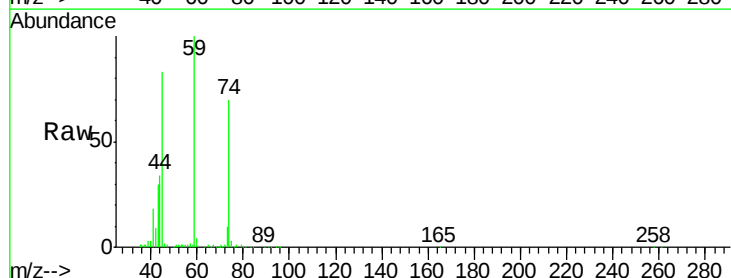
Tot Ion:101 Resp: 207567
 Ion Ratio Lower Upper
 101 100
 103 64.1 55.0 82.4

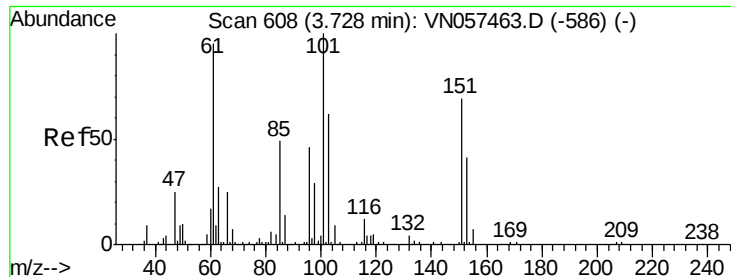


#8

Diethyl Ether
 Concen: 20.056 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 74 Resp: 77816
 Ion Ratio Lower Upper
 74 100
 45 116.6 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.538 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

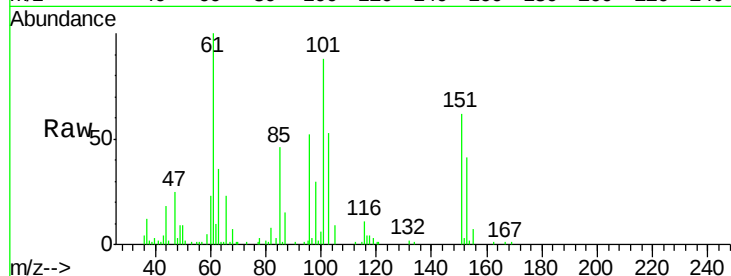
Tot Ion:101 Resp: 77008

Ion Ratio Lower Upper

101 100

85 51.9 0.0 101.6

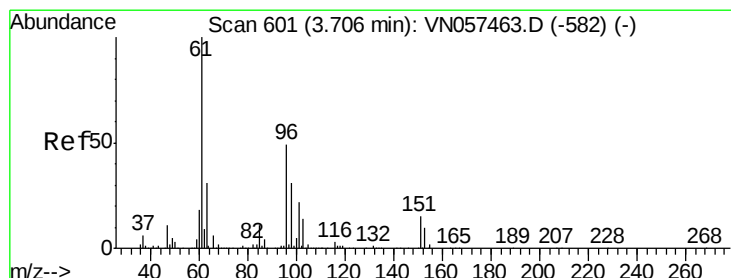
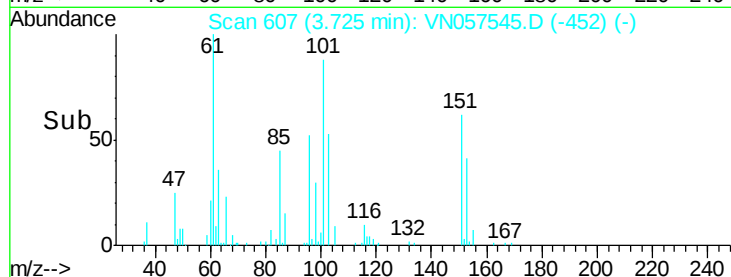
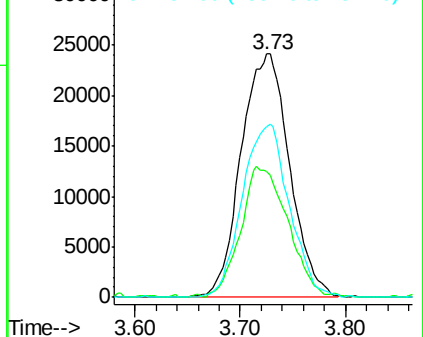
151 69.0 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 16.460 ug/l

RT: 3.70 min Scan# 600

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

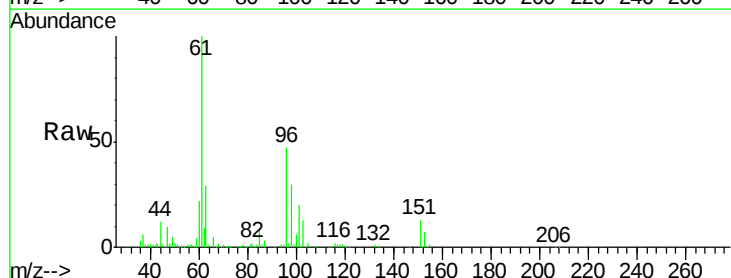
Tgt Ion: 96 Resp: 90396

Ion Ratio Lower Upper

96 100

61 209.9 162.6 244.0

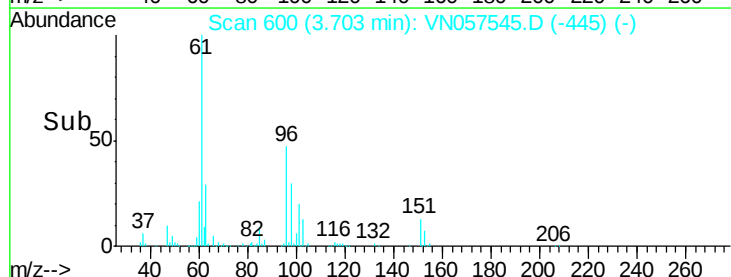
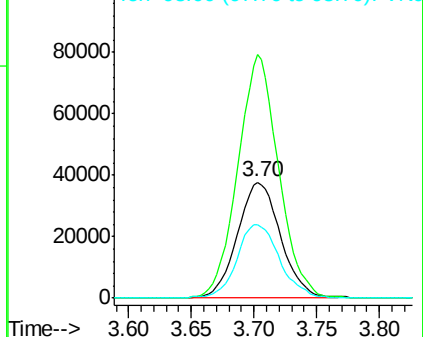
98 62.4 51.1 76.7

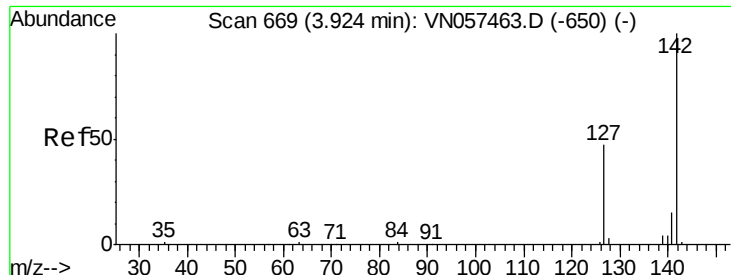


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

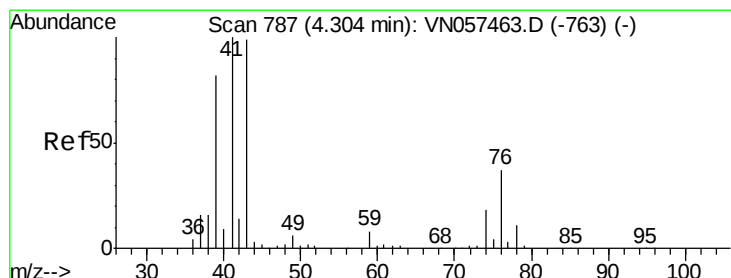
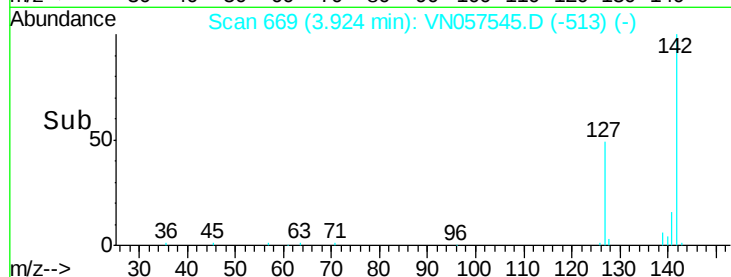
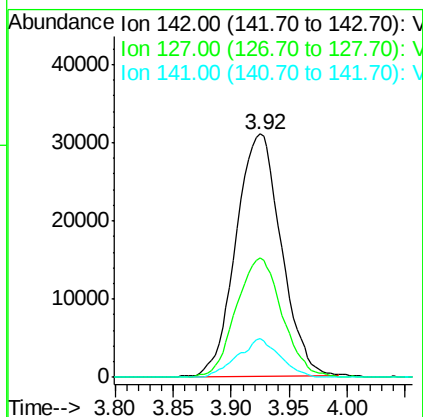
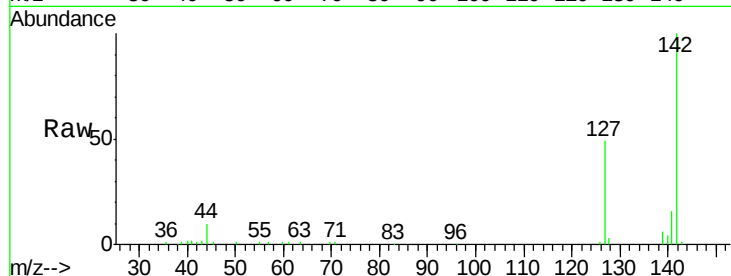




#11
Methvl Iodide
Concen: 17.135 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

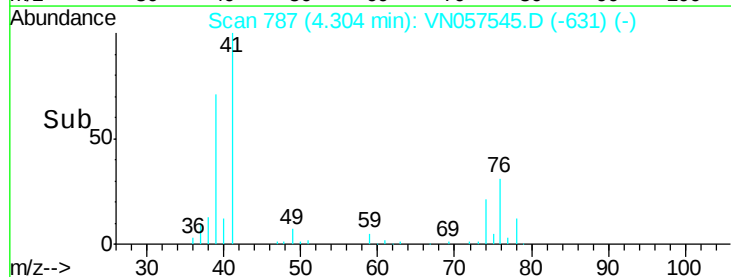
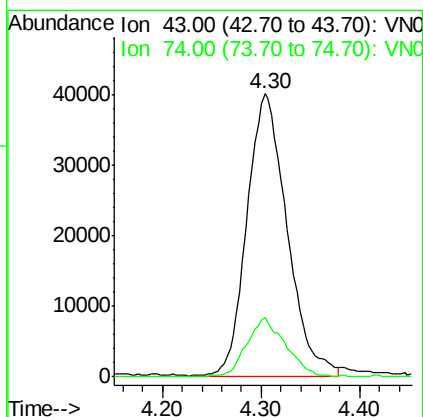
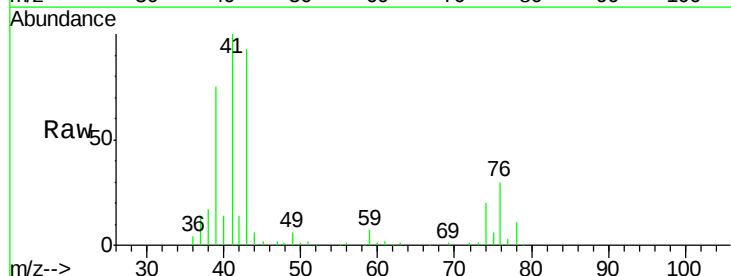
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

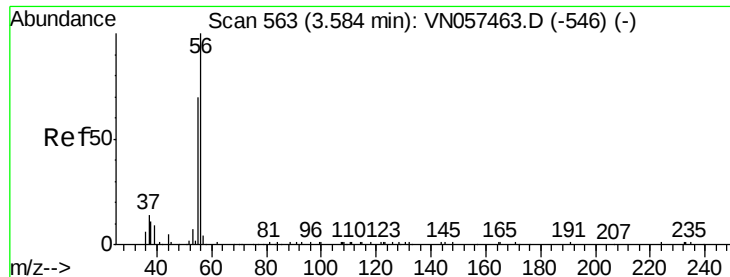
Tot Ion:142 Resp: 84590
Ion Ratio Lower Upper
142 100
127 49.3 24.0 72.0
141 15.4 7.0 21.1



#12
Methyl Acetate
Concen: 20.270 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 43 Resp: 112139
Ion Ratio Lower Upper
43 100
74 21.1 14.6 22.0





#13

Acrolein

Concen: 90.146 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

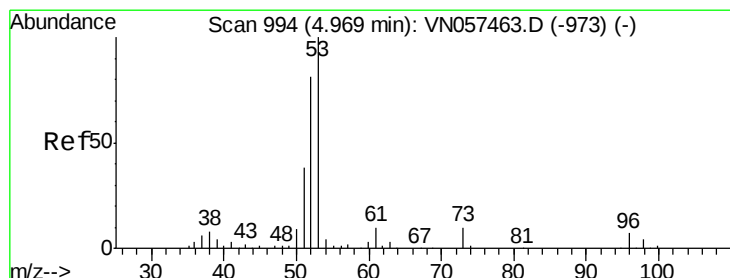
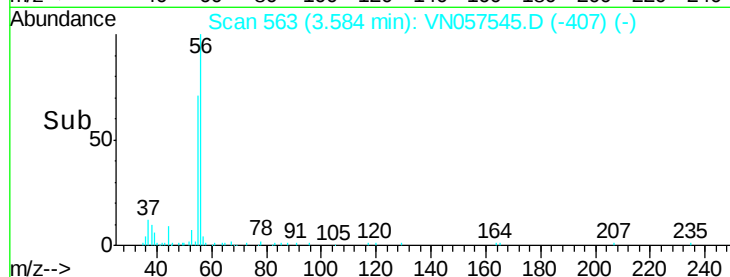
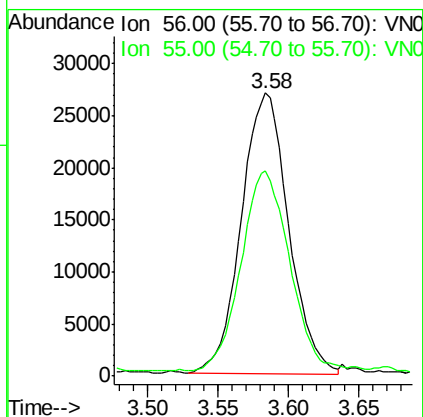
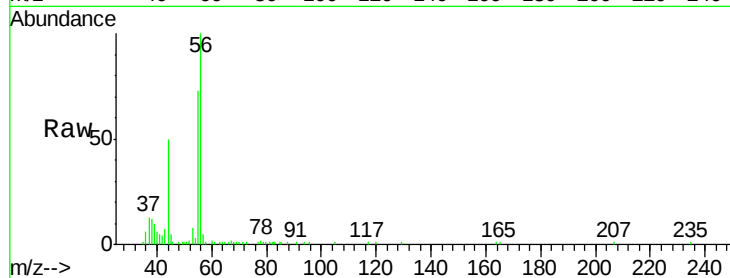
VN0827WBS01

Tot Ion: 56 Resp: 63426

Ion Ratio Lower Upper

56 100

55 72.7 56.7 85.1



#14

Acrylonitrile

Concen: 102.625 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

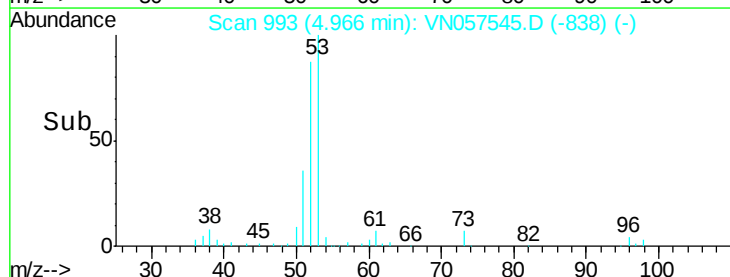
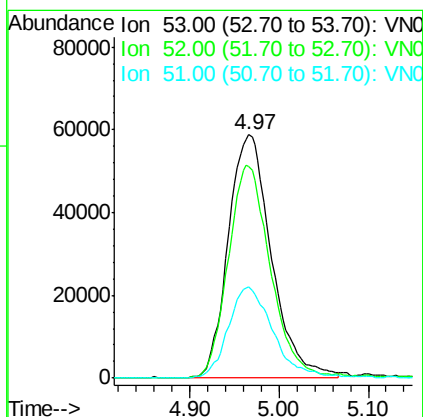
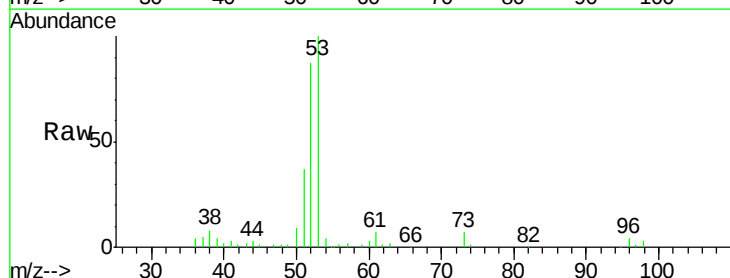
Tgt Ion: 53 Resp: 197238

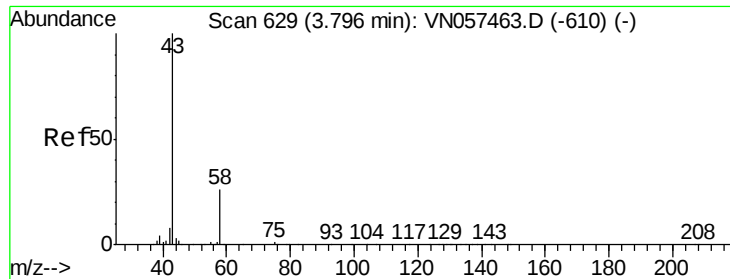
Ion Ratio Lower Upper

53 100

52 85.4 41.3 123.9

51 38.4 18.3 54.9





#15

Acetone

Concen: 63.257 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

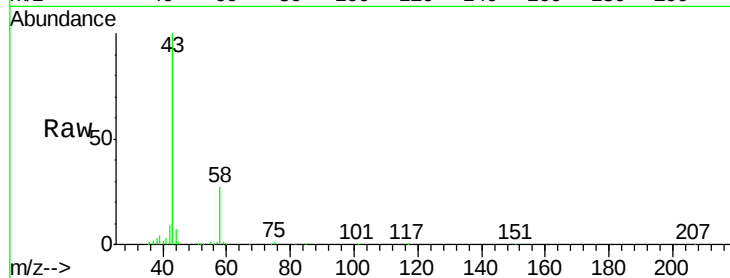
VN0827WBS01

Tot Ion: 58 Resp: 56873

Ion Ratio Lower Upper

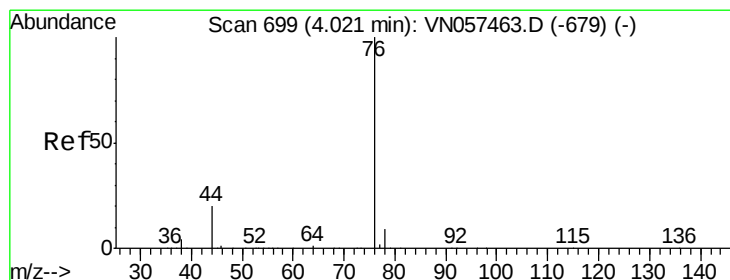
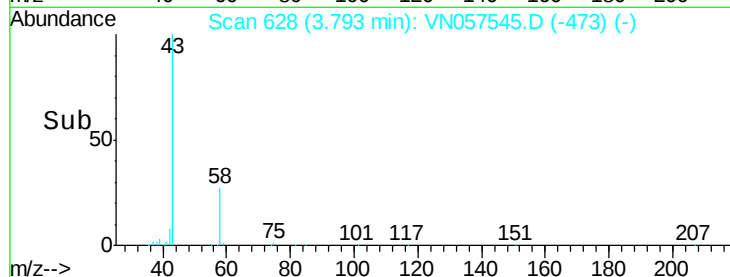
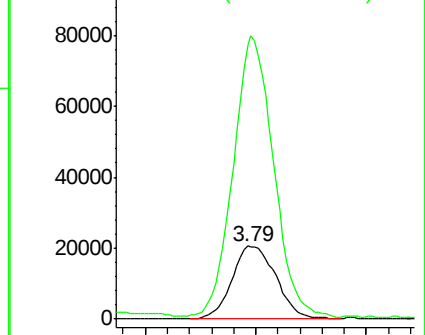
58 100

43 372.5 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.125 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057545.D

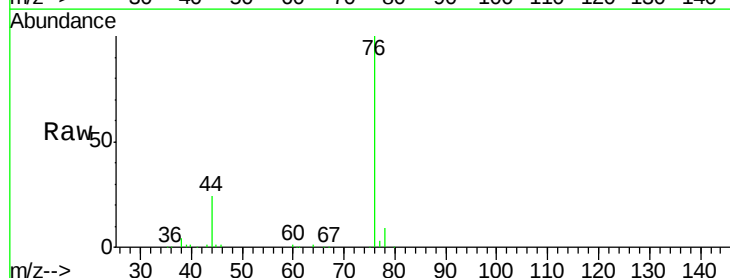
Acq: 27 Aug 2019 10:44

Tgt Ion: 76 Resp: 187085

Ion Ratio Lower Upper

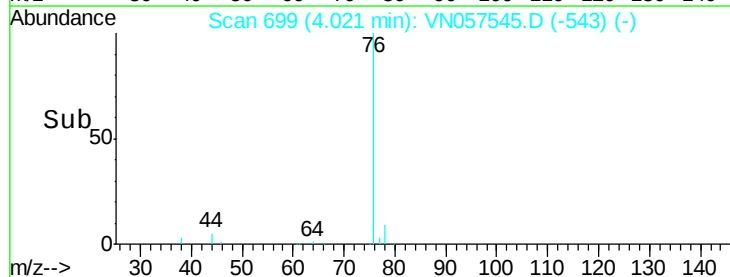
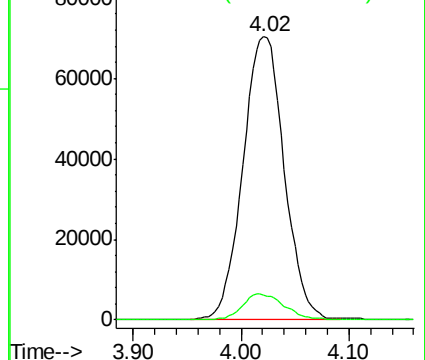
76 100

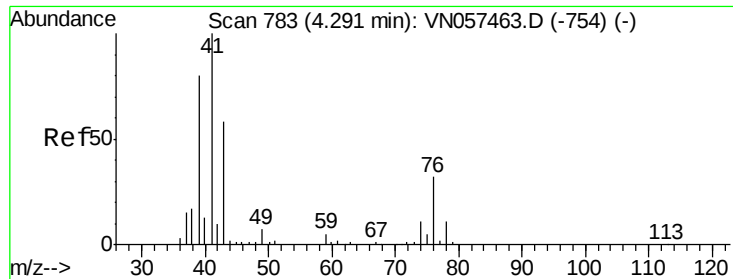
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

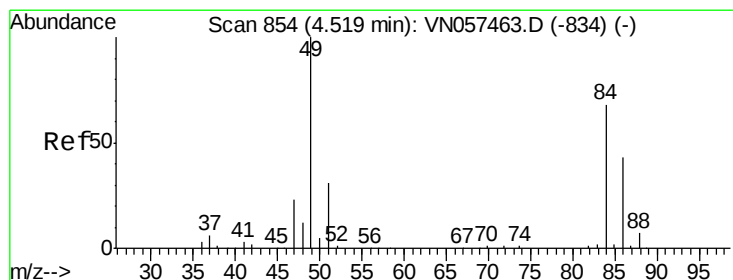
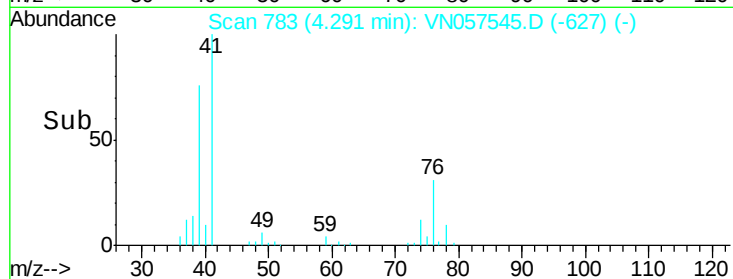
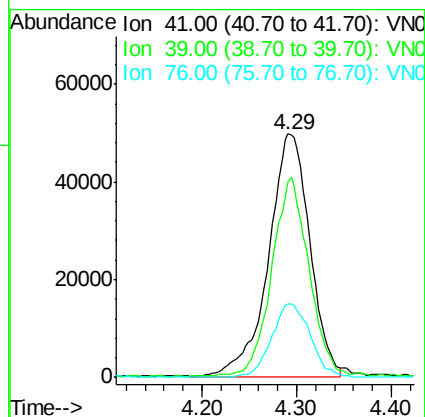
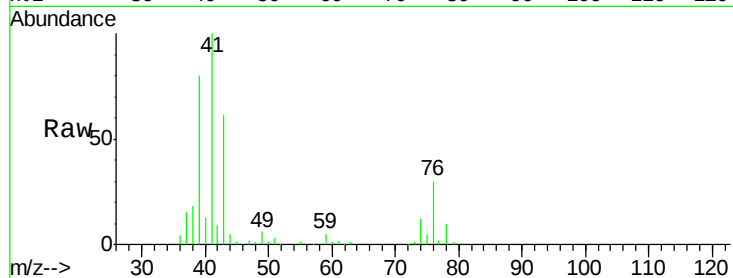




#17
Allvl chloride
Concen: 20.232 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

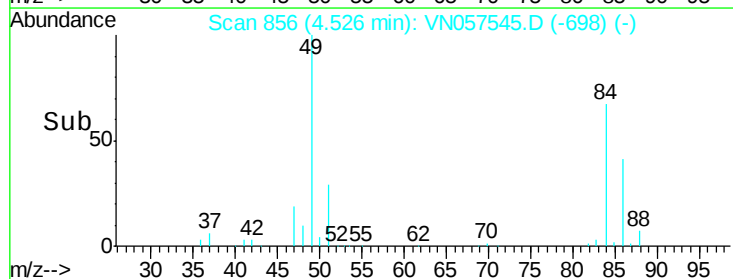
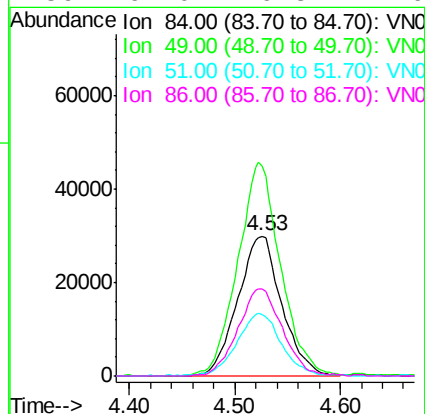
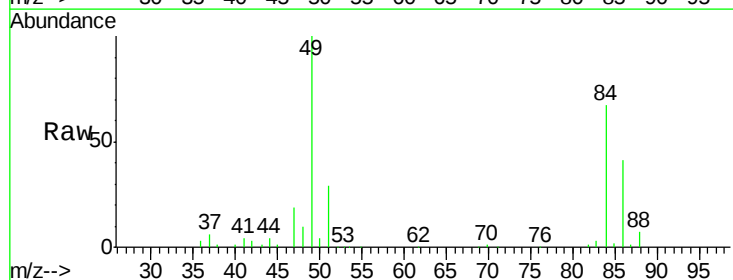
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

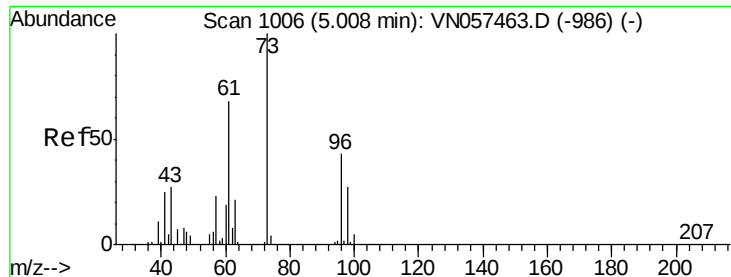
Tot Ion: 41 Resp: 151580
Ion Ratio Lower Upper
41 100
39 79.7 40.1 120.2
76 30.1 16.2 48.6



#18
Methylene Chloride
Concen: 21.573 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 84 Resp: 86887
Ion Ratio Lower Upper
84 100
49 149.1 116.8 175.2
51 43.4 36.4 54.6
86 62.0 49.8 74.6

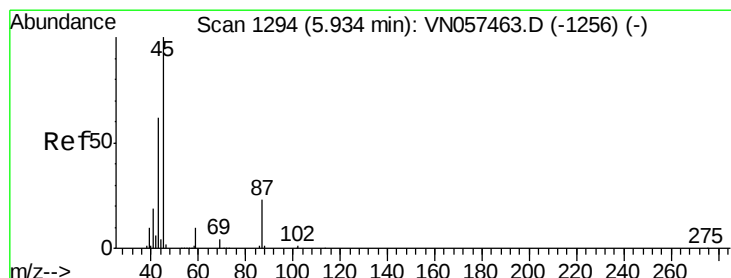
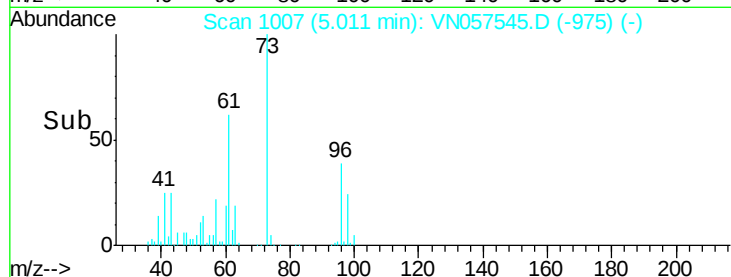
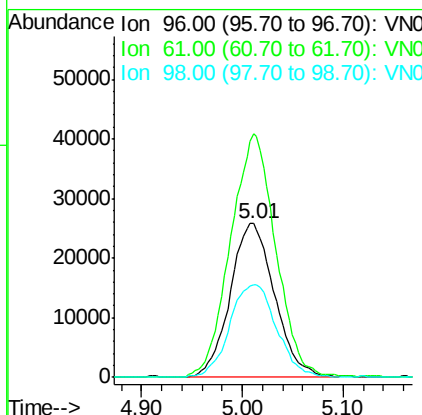
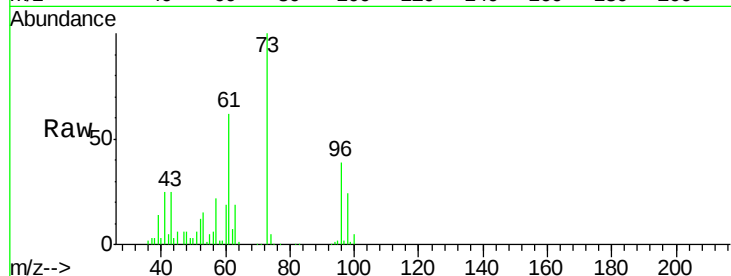




#19
trans-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

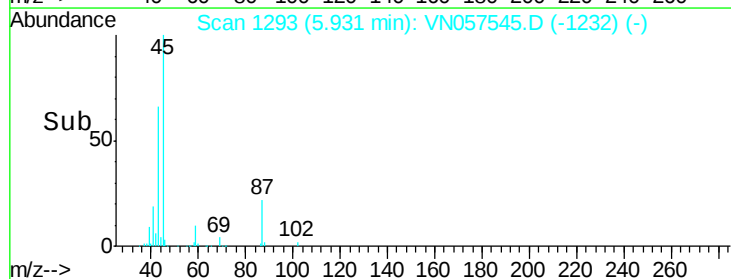
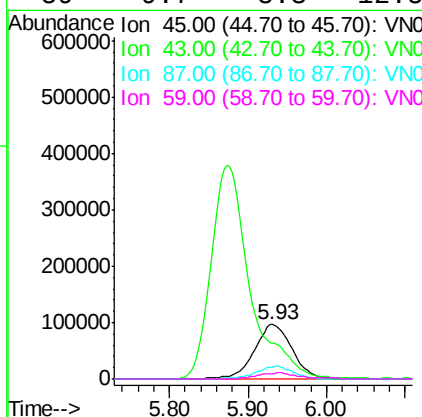
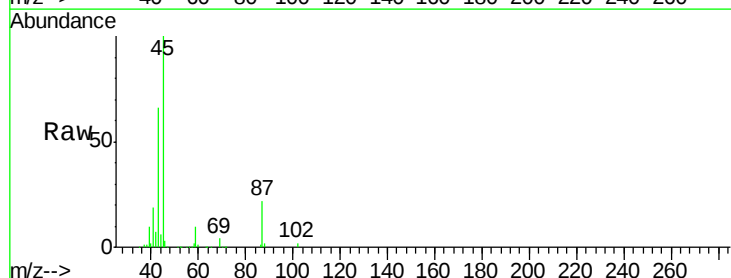
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

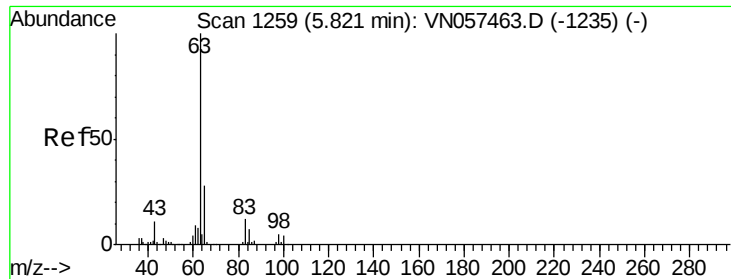
Tot Ion: 96 Resp: 78825
Ion Ratio Lower Upper
96 100
61 157.0 127.6 191.4
98 60.2 51.5 77.3



#20
Diisopropyl ether
Concen: 20.349 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 45 Resp: 325481
Ion Ratio Lower Upper
45 100
43 63.8 49.9 74.9
87 22.1 19.1 28.7
59 9.7 8.3 12.5

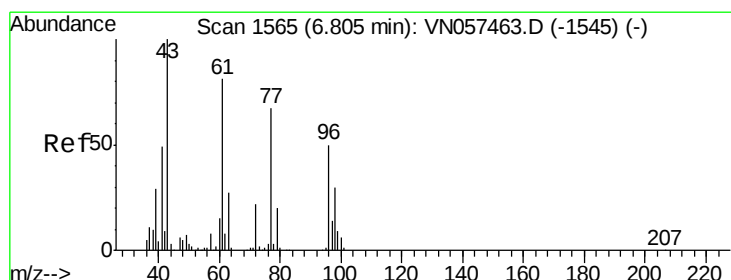
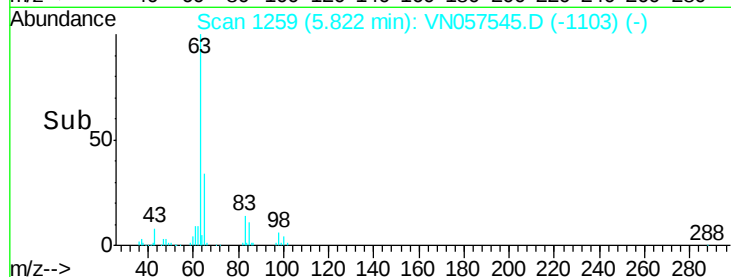
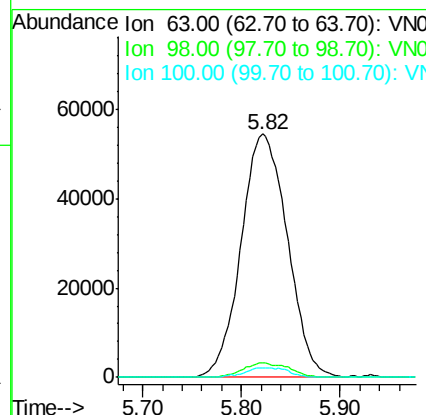
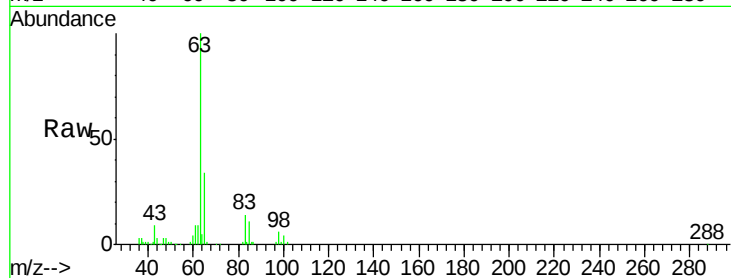




#21
 1,1-Dichloroethane
 Concen: 21.332 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

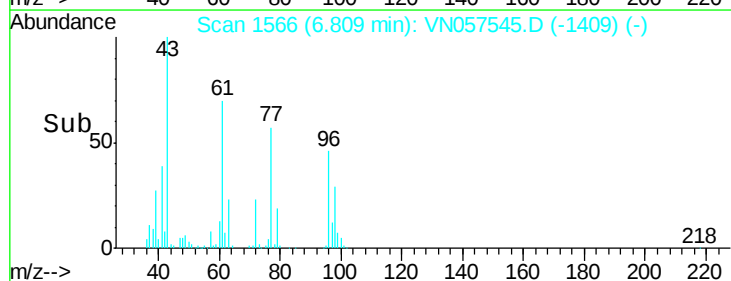
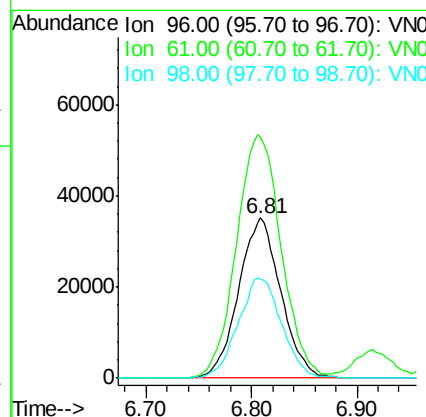
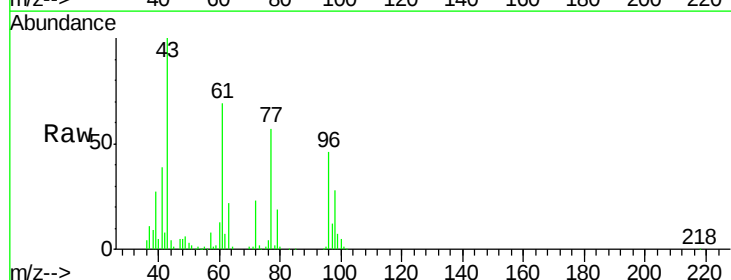
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

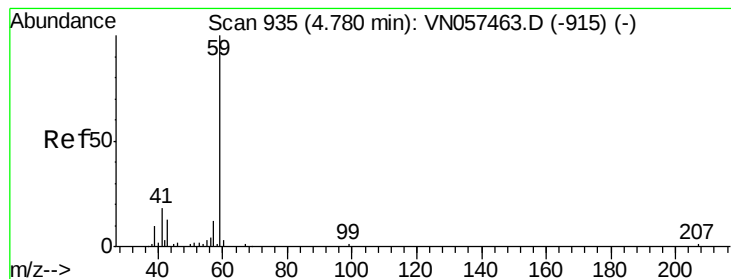
Tot Ion: 63 Resp: 177302
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.4 7.1
 100 4.1 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 21.216 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 96 Resp: 97871
 Ion Ratio Lower Upper
 96 100
 61 160.9 134.4 201.6
 98 63.9 51.4 77.0





#23

tert-Butyl Alcohol

Concen: 95.188 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

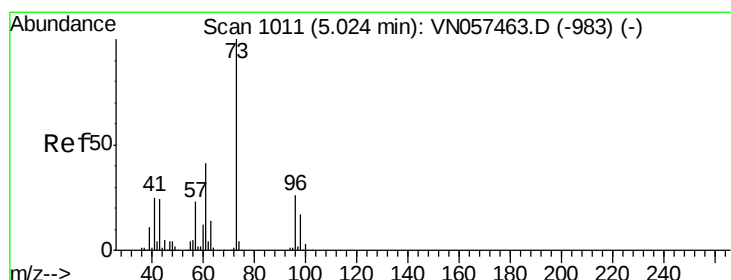
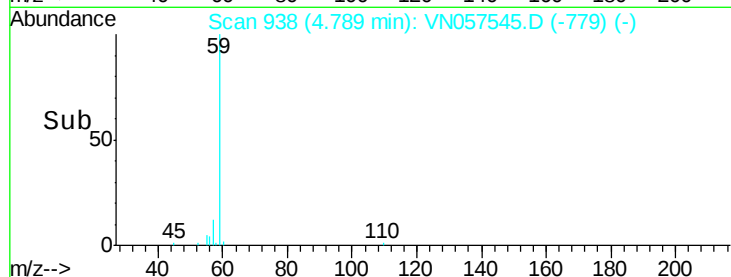
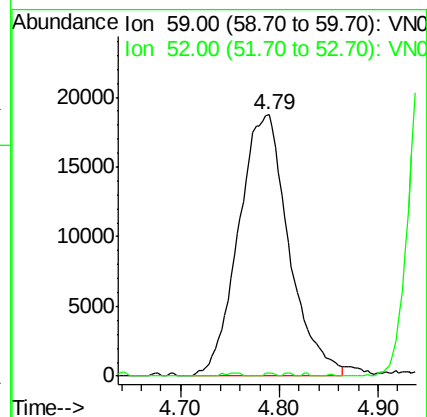
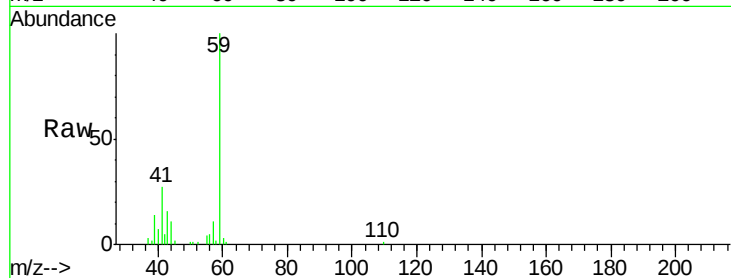
VN0827WBS01

Tot Ion: 59 Resp: 66455

Ion Ratio Lower Upper

59 100

52 0.2 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 21.403 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057545.D

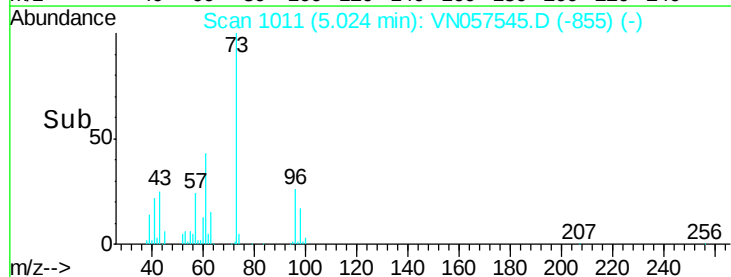
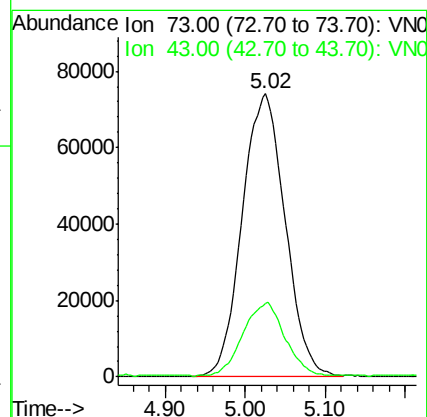
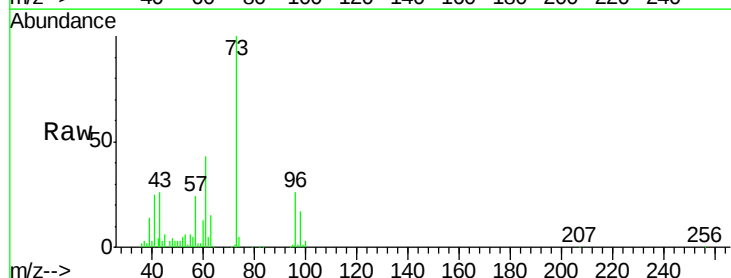
Acq: 27 Aug 2019 10:44

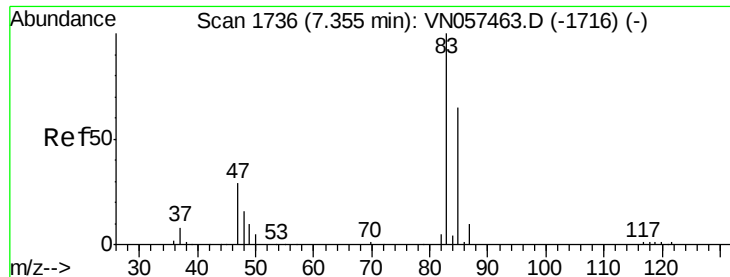
Tgt Ion: 73 Resp: 271564

Ion Ratio Lower Upper

73 100

43 25.0 20.1 30.1





#25

Chloroform

Concen: 20.790 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

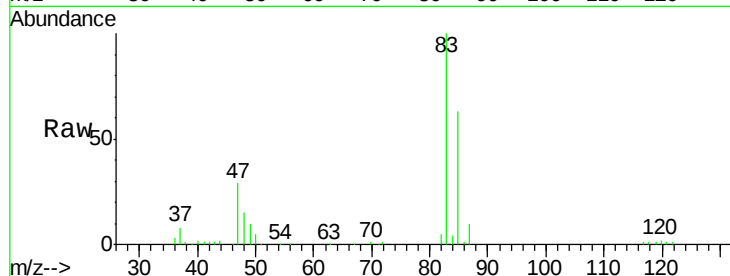
VN0827WBS01

Tot Ion: 83 Resp: 171558

Ion Ratio Lower Upper

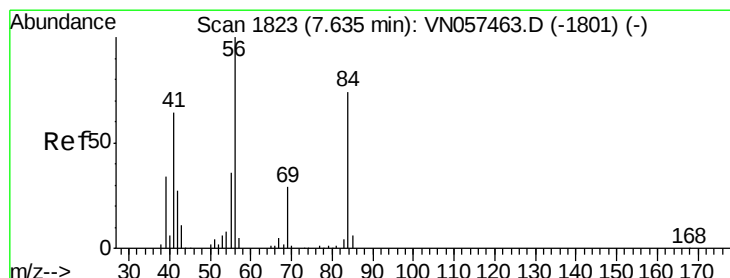
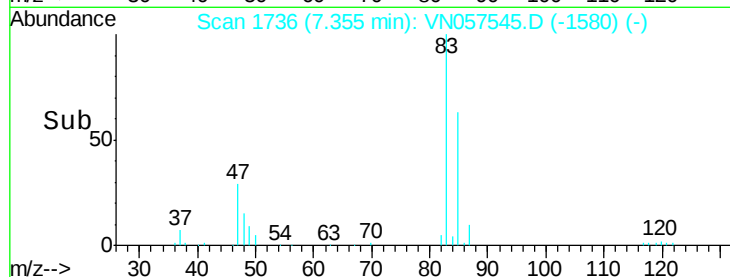
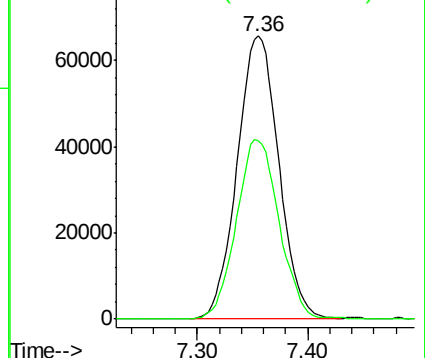
83 100

85 62.7 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.226 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

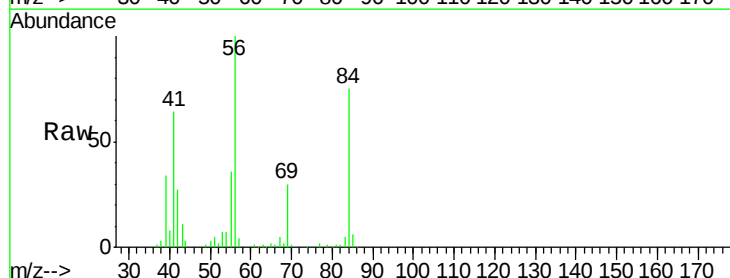
Tgt Ion: 56 Resp: 149694

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

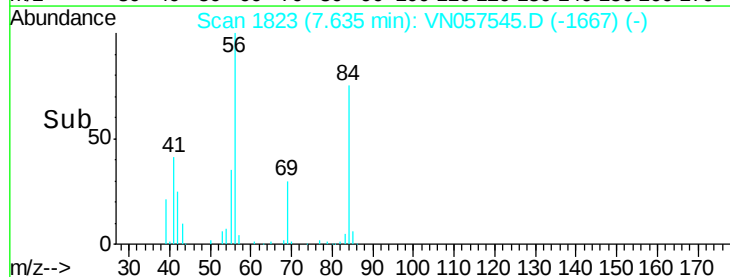
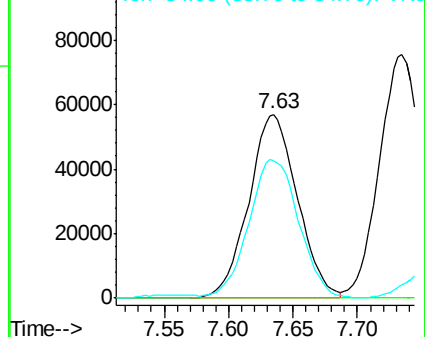
84 76.8 61.1 91.7

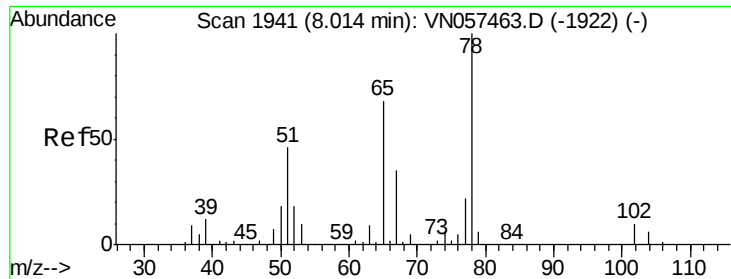


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.636 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

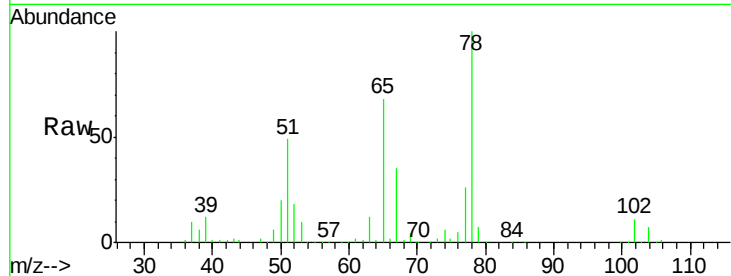
VN0827WBS01

Tot Ion: 65 Resp: 187918

Ion Ratio Lower Upper

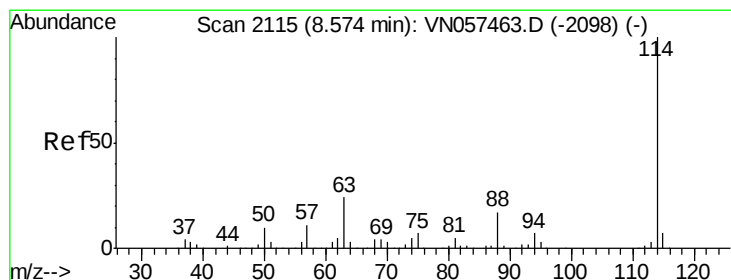
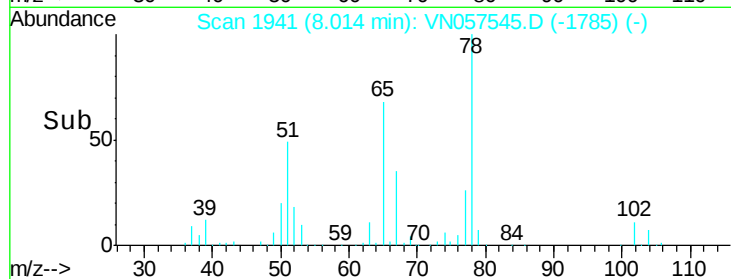
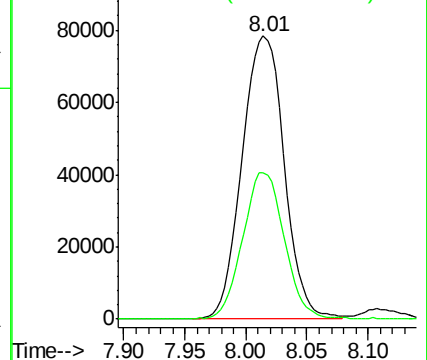
65 100

67 50.3 40.2 60.4



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

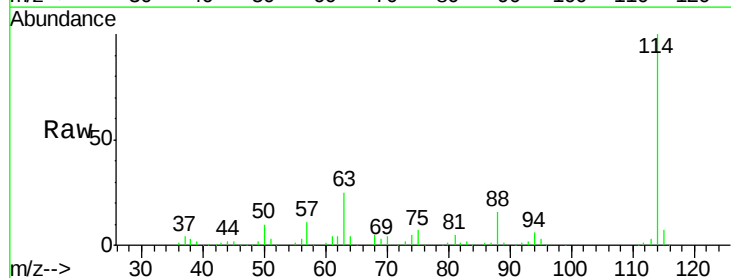
Tgt Ion: 114 Resp: 366811

Ion Ratio Lower Upper

114 100

63 24.7 19.6 29.4

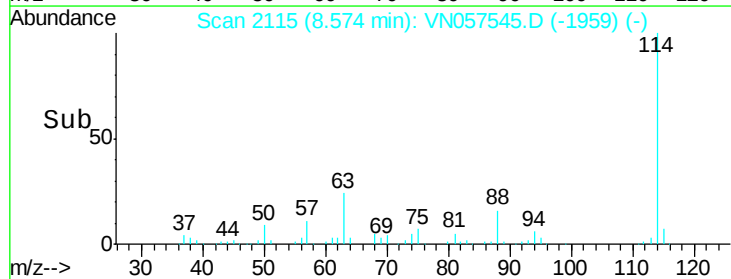
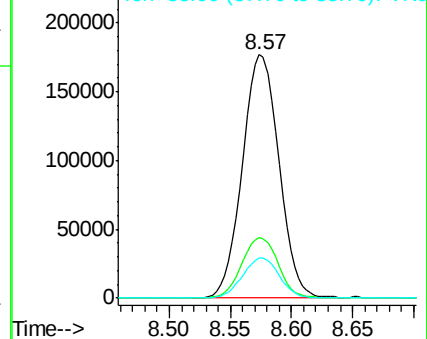
88 16.6 13.1 19.7

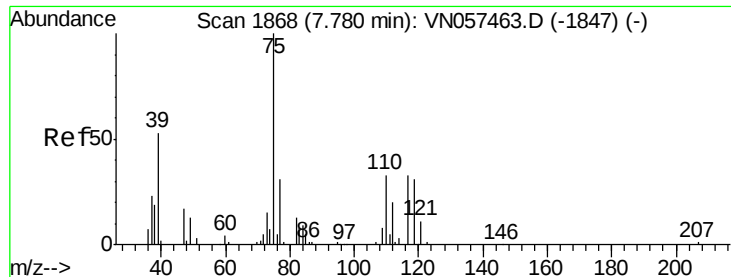


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

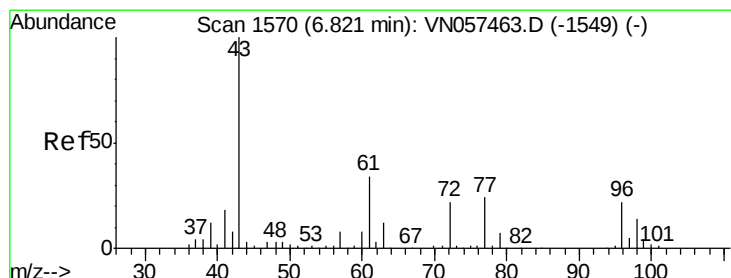
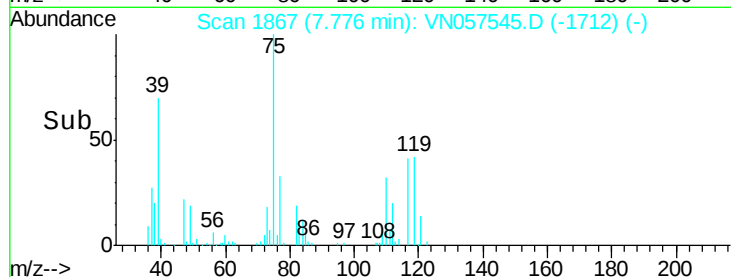
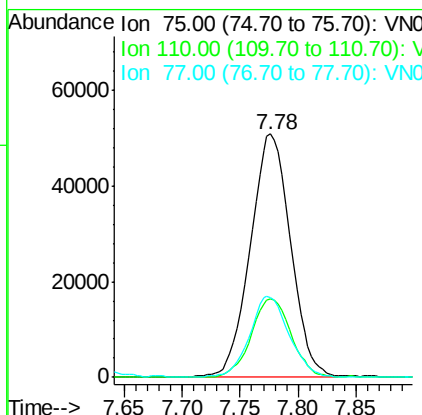
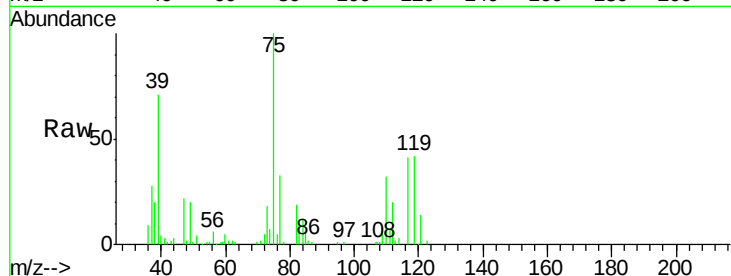




#29
 1,1-Dichloropropene
 Concen: 19.813 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

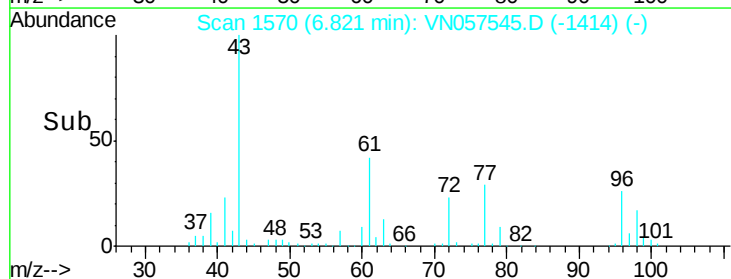
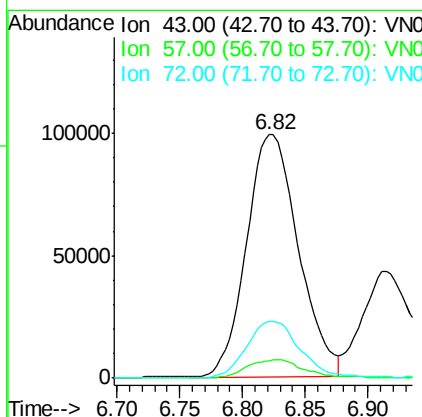
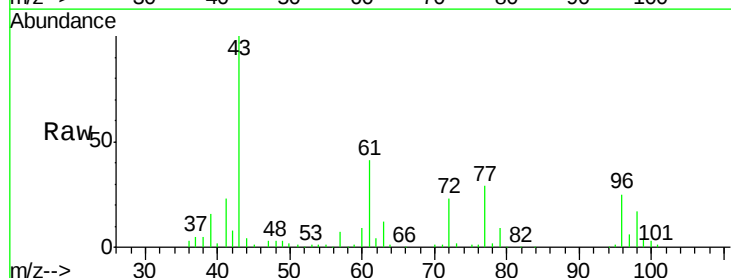
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

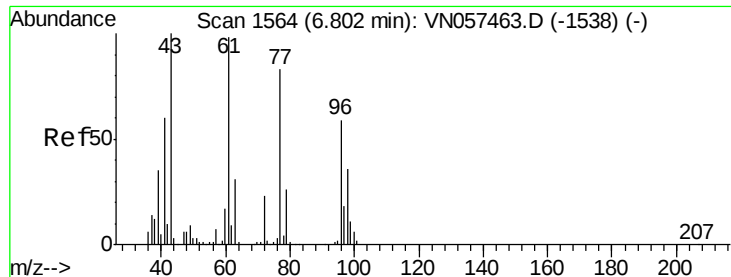
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	0.0	64.0
77	32.6	0.0	63.4



#30
 2-Butanone
 Concen: 95.737 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	5.7	8.5
72	24.2	18.2	27.2





#31

2,2-Dichloropropane

Concen: 19.991 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

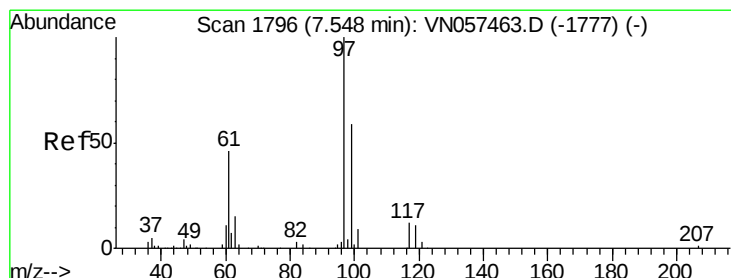
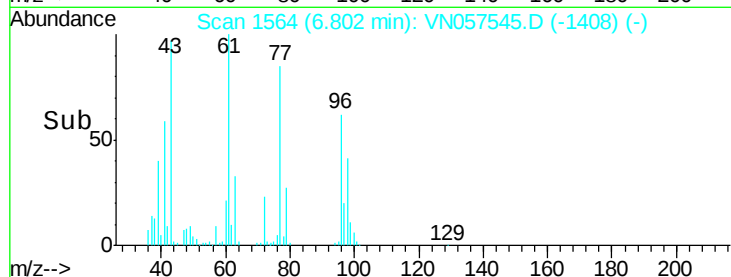
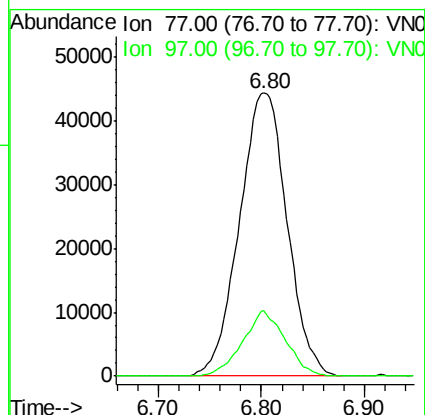
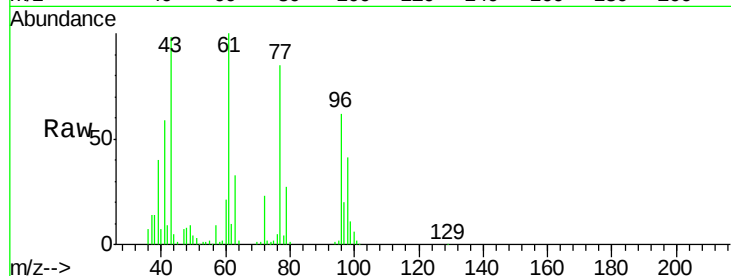
VN0827WBS01

Tot Ion: 77 Resp: 142387

Ion Ratio Lower Upper

77 100

97 20.7 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 20.108 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.01 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

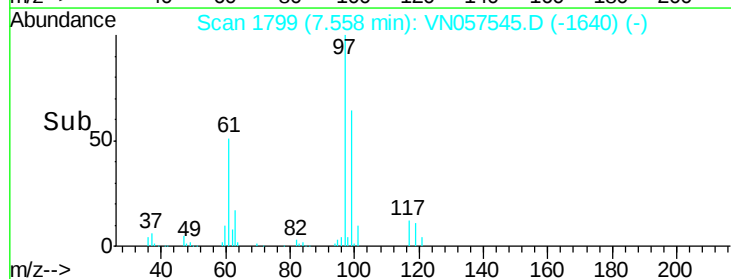
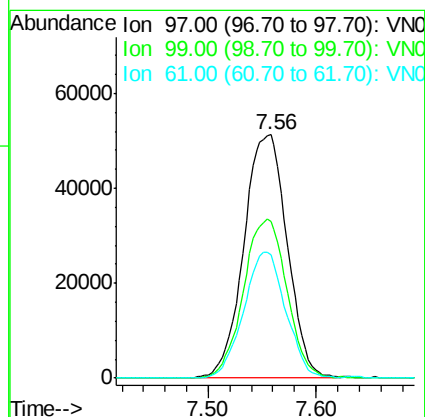
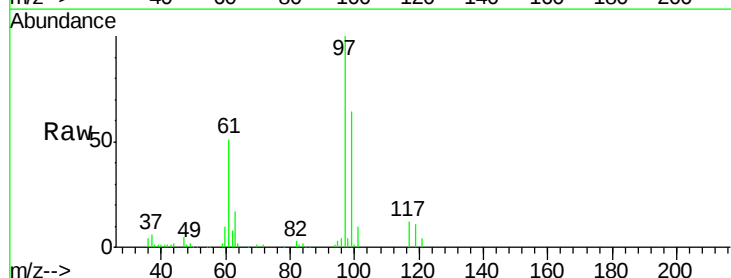
Tgt Ion: 97 Resp: 143305

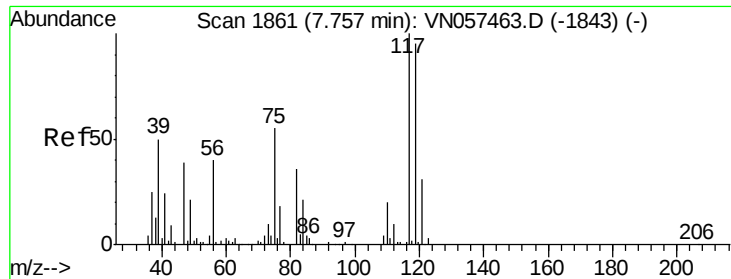
Ion Ratio Lower Upper

97 100

99 65.2 49.6 74.4

61 50.1 40.9 61.3

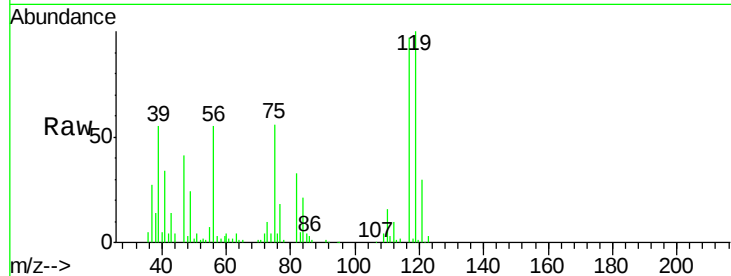




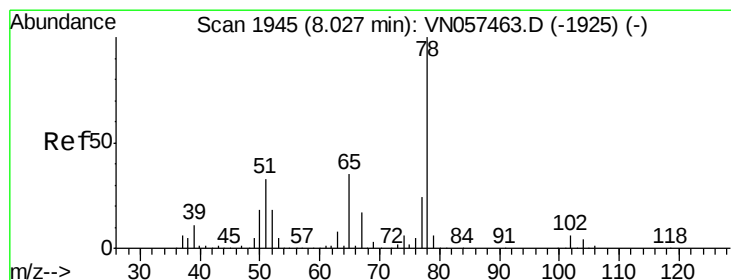
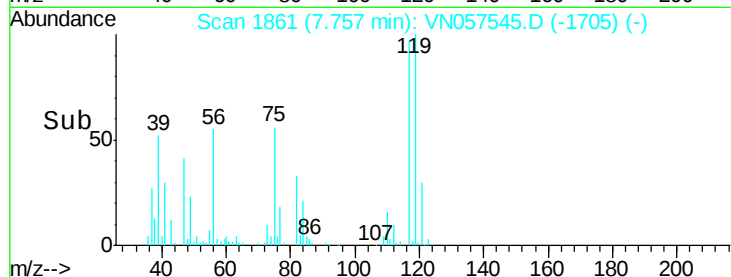
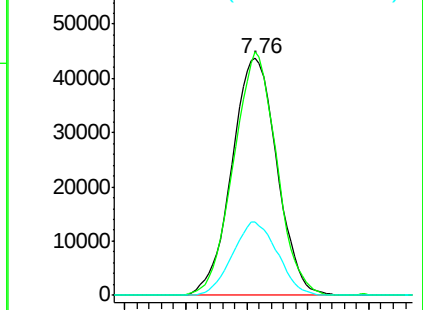
#33
Carbon Tetrachloride
Concen: 18.902 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion:117 Resp: 111858
Ion Ratio Lower Upper
117 100
119 102.9 76.8 115.2
121 31.1 24.8 37.2

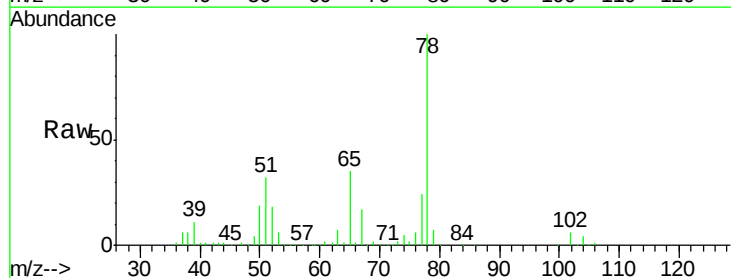


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

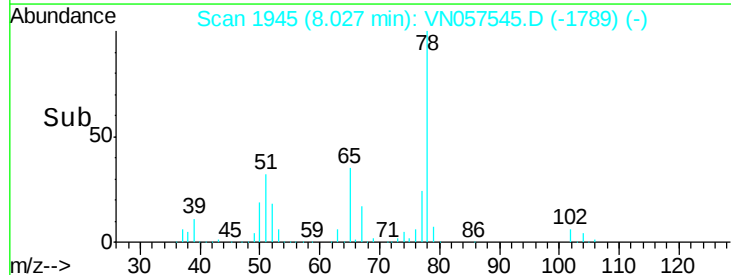
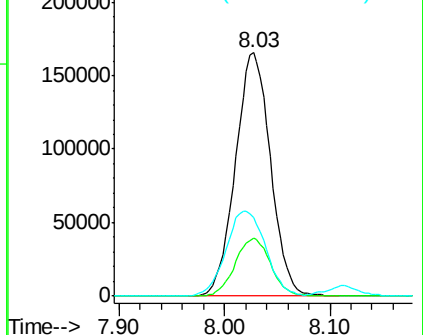


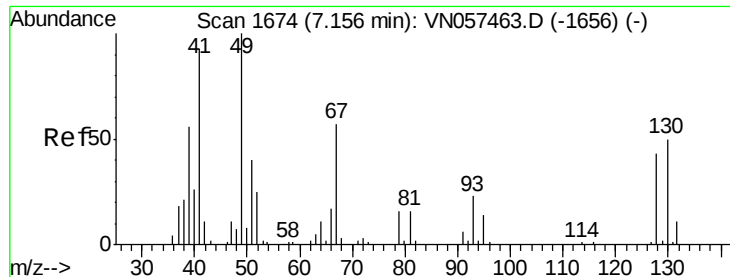
#34
Benzene
Concen: 20.852 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 78 Resp: 382269
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3
51 31.9 26.0 39.0



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

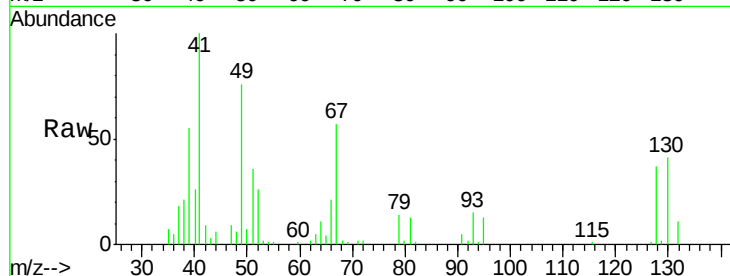




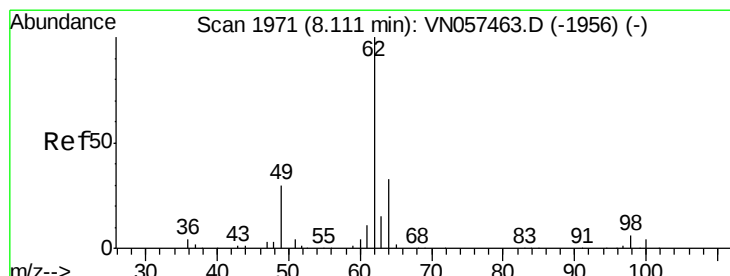
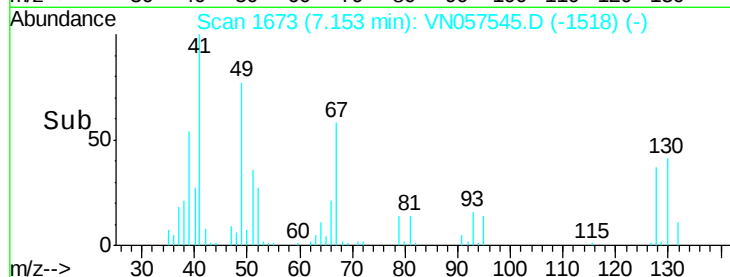
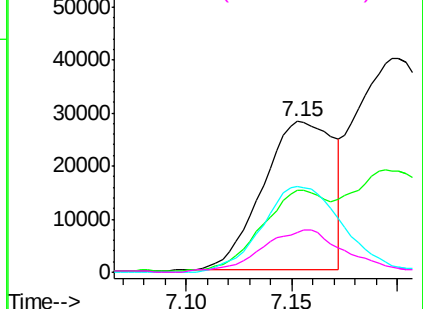
#35
Methacrylonitrile
Concen: 21.576 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion:	41	Resp:	65448
Ion	Ratio	Lower	Upper
41	100		
39	53.9	30.5	91.5
67	57.7	30.9	92.5
52	25.7	13.6	40.8

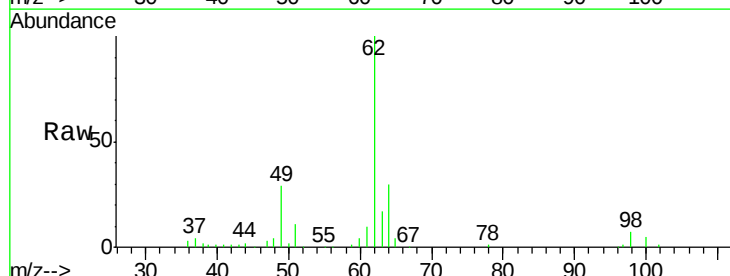


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

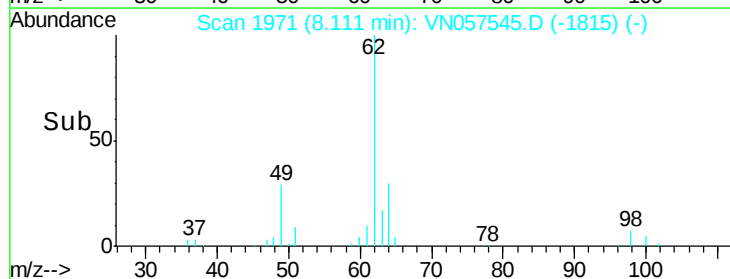
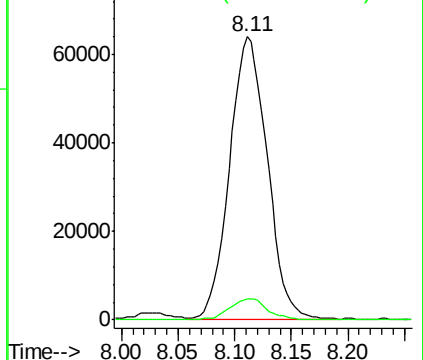


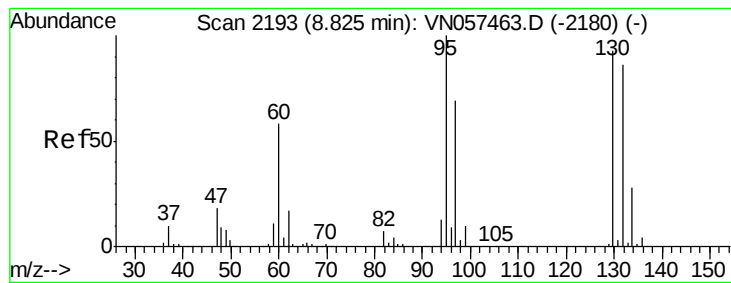
#36
1,2-Dichloroethane
Concen: 20.731 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion:	62	Resp:	148984
Ion	Ratio	Lower	Upper
62	100		
98	7.4	2.8	4.2#



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





#37

Trichloroethene

Concen: 19.843 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

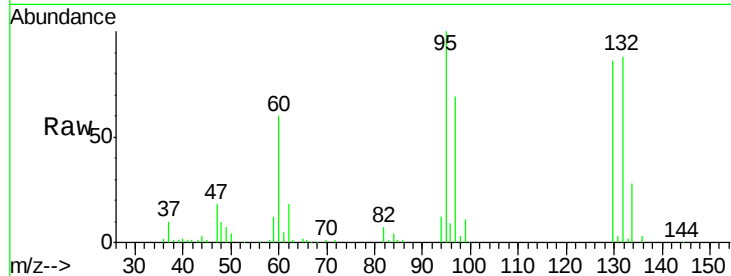
VN0827WBS01

Tot Ion:130 Resp: 82994

Ion Ratio Lower Upper

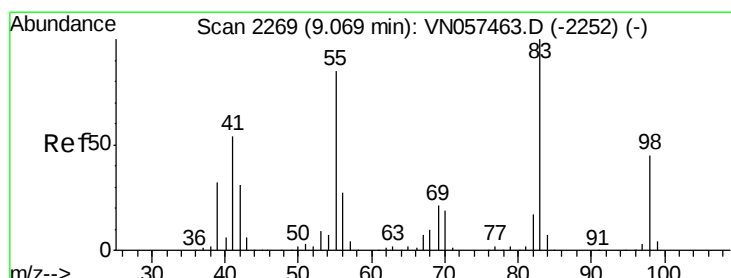
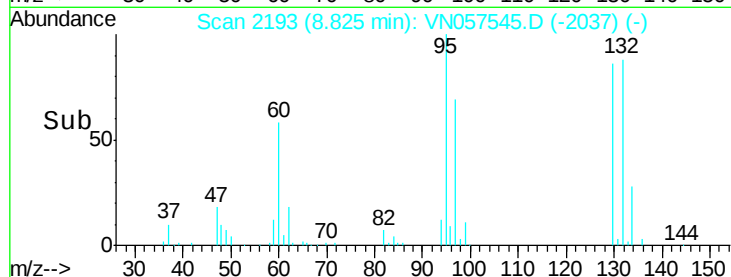
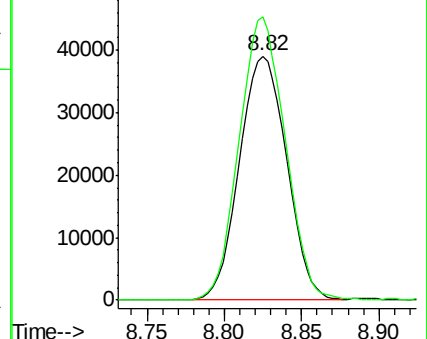
130 100

95 115.6 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 20.903 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

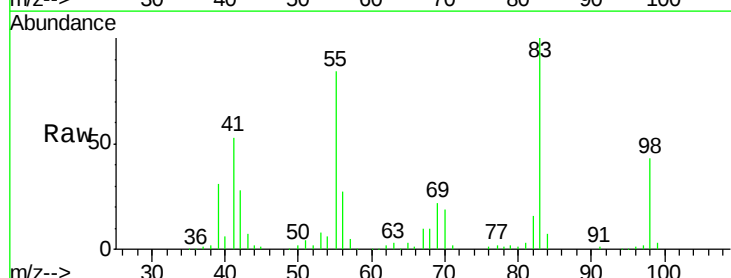
Tgt Ion: 83 Resp: 146264

Ion Ratio Lower Upper

83 100

55 83.0 43.3 129.8

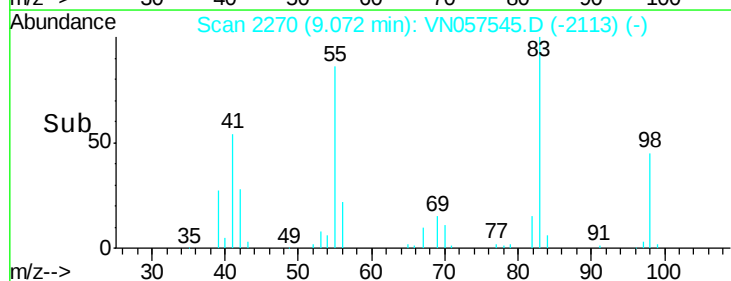
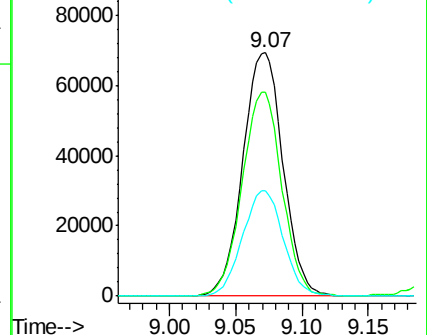
98 44.0 22.8 68.4

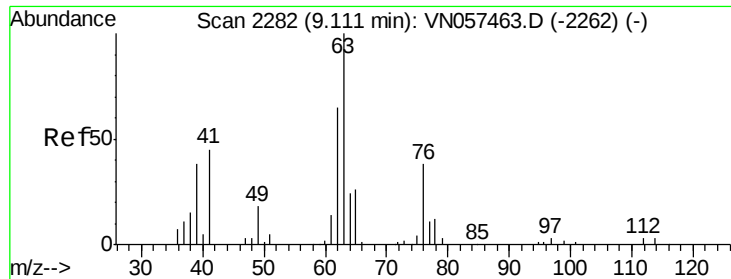


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

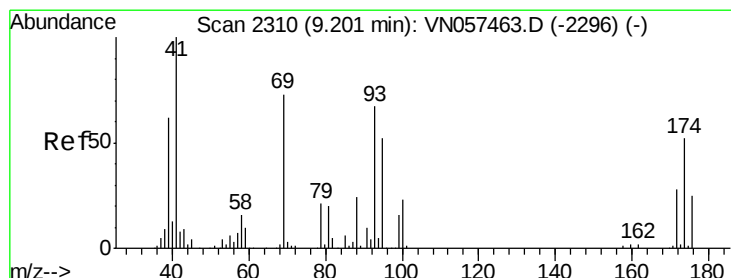
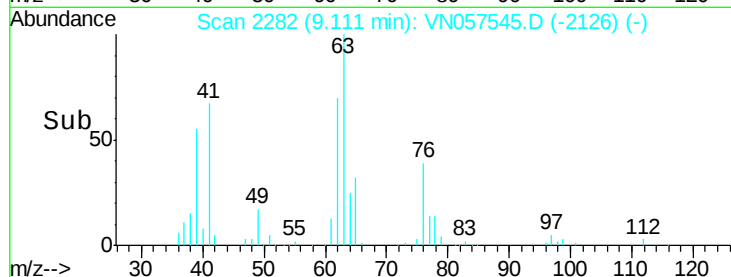
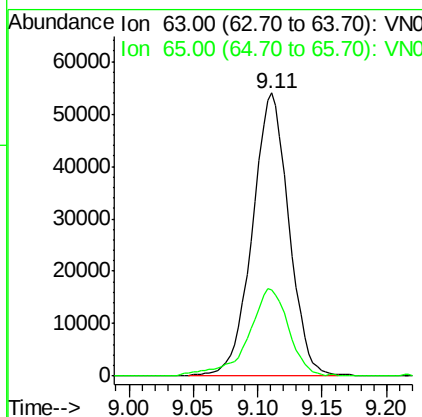
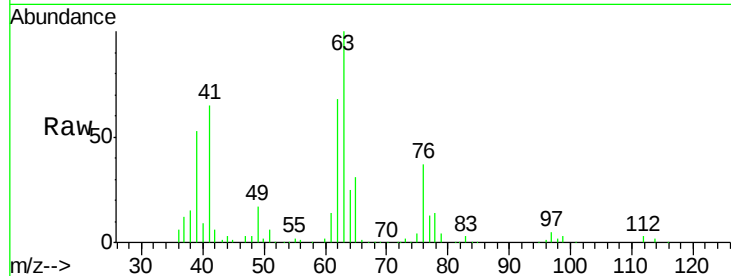




#39
 1,2-Dichloropropane
 Concen: 20.456 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

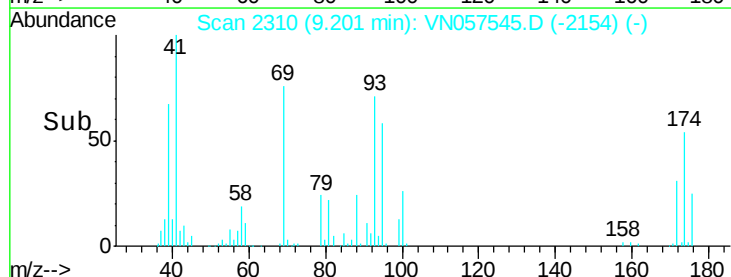
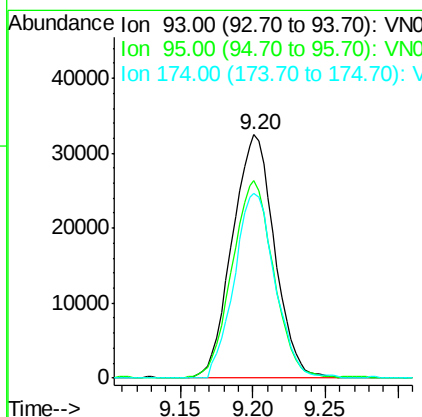
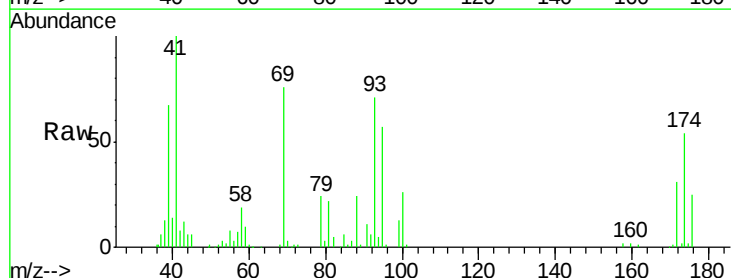
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

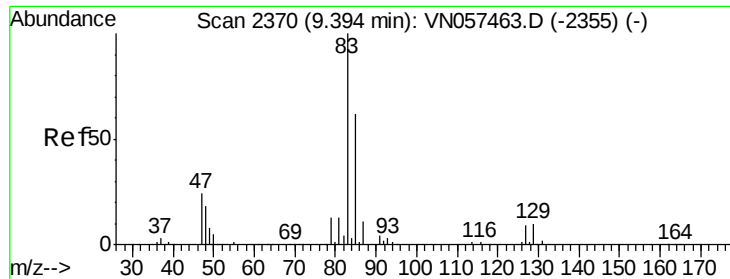
Tot Ion: 63 Resp: 106627
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.6 32.4



#40
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 93 Resp: 65730
 Ion Ratio Lower Upper
 93 100
 95 79.9 0.0 160.8
 174 72.7 0.0 157.2





#41

Bromodichloromethane

Concen: 19.611 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

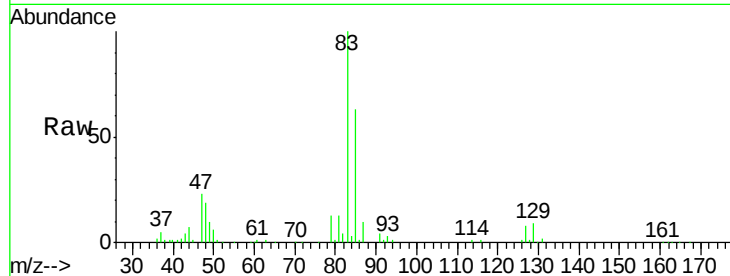
Tot Ion: 83 Resp: 132505

Ion Ratio Lower Upper

83 100

85 63.4 49.8 74.8

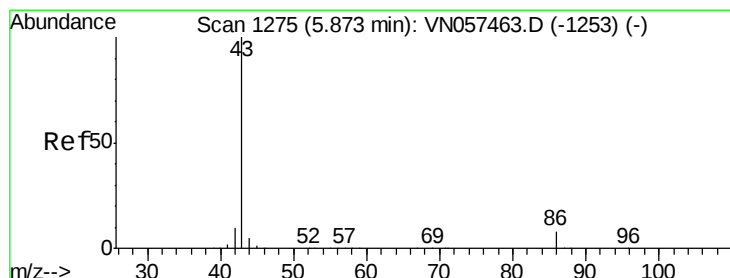
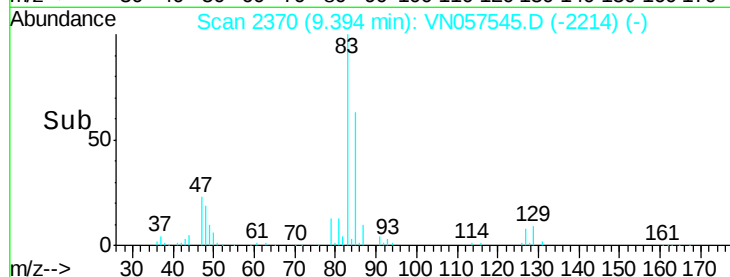
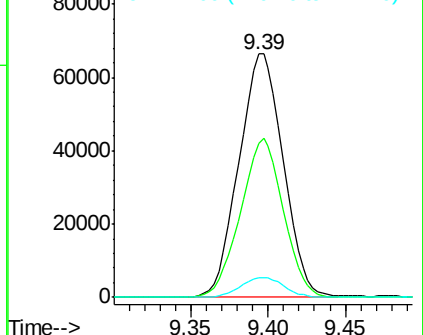
127 8.8 7.6 11.4



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: 96.164 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057545.D

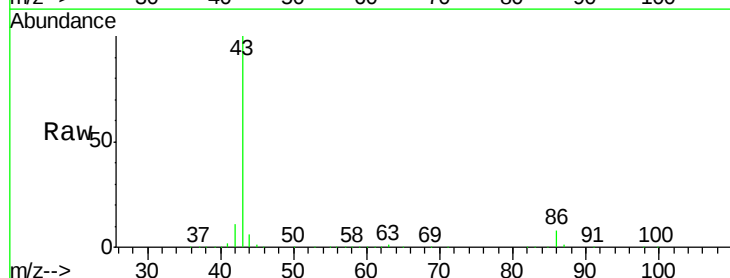
Acq: 27 Aug 2019 10:44

Tgt Ion: 43 Resp: 1289840

Ion Ratio Lower Upper

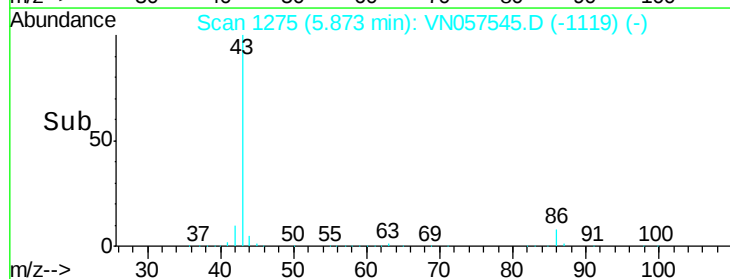
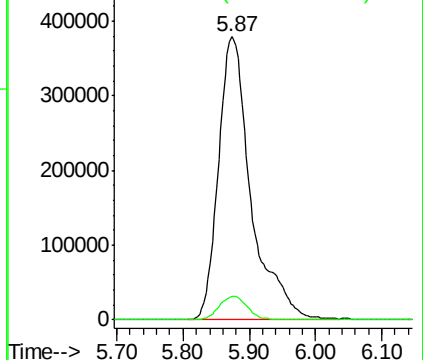
43 100

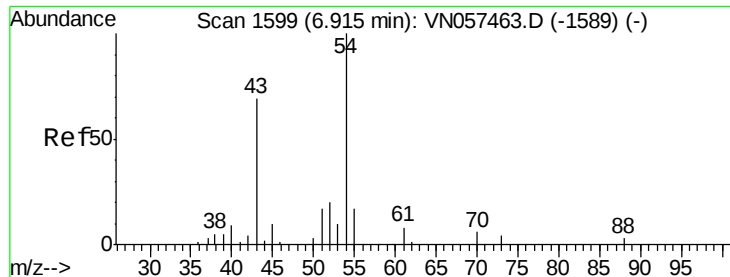
86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.763 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

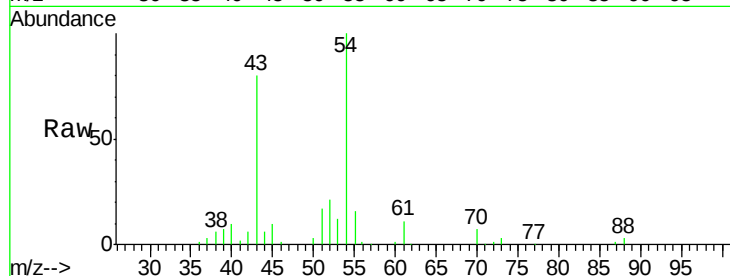
VN0827WBS01

Tot Ion: 43 Resp: 121137

Ion Ratio Lower Upper

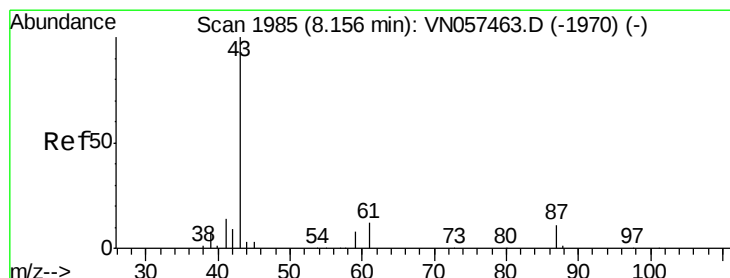
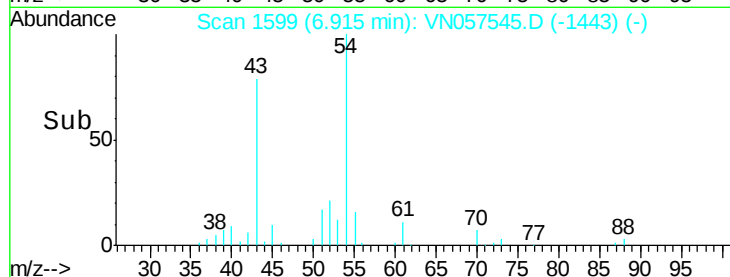
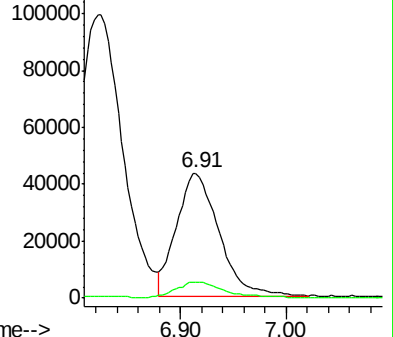
43 100

45 13.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.156 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057545.D

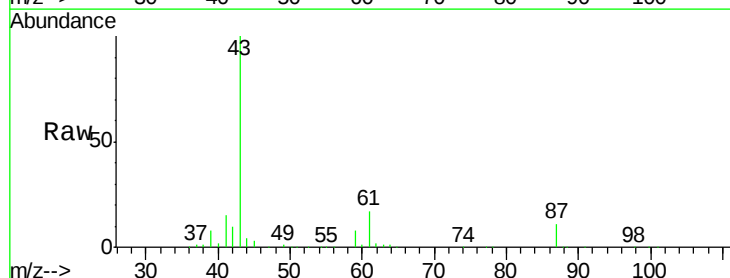
Acq: 27 Aug 2019 10:44

Tgt Ion: 43 Resp: 213335

Ion Ratio Lower Upper

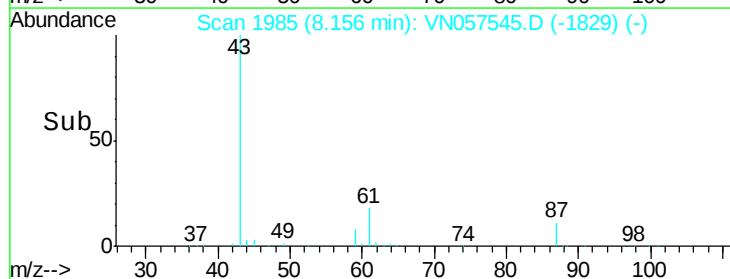
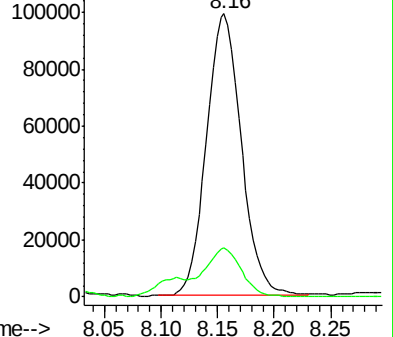
43 100

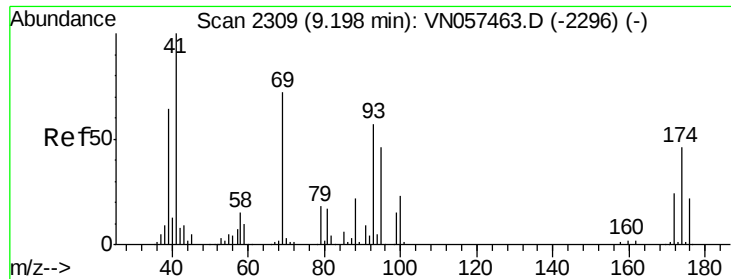
61 16.8 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 391.533 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

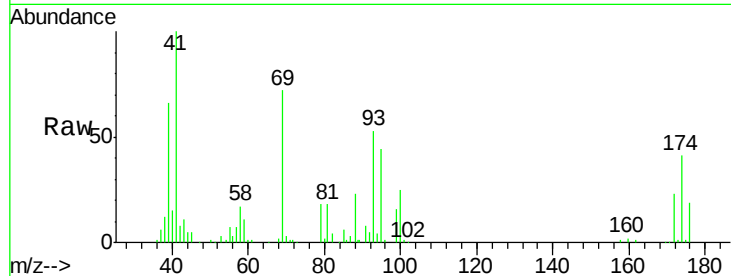
Tot Ion: 88 Resp: 26210

Ion Ratio Lower Upper

88 100

43 40.5 29.8 44.6

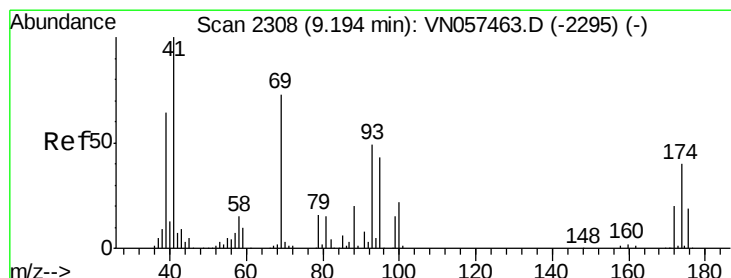
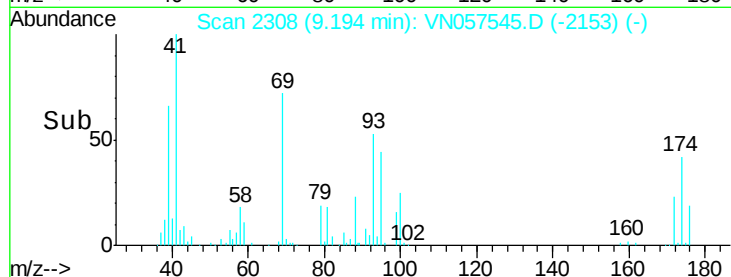
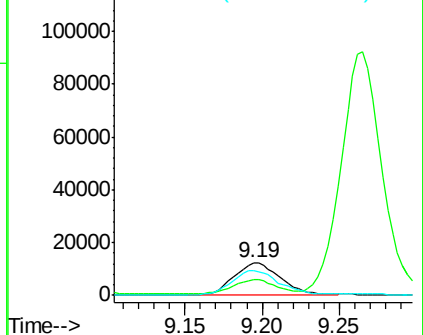
58 77.7 62.2 93.2



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: 18.810 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

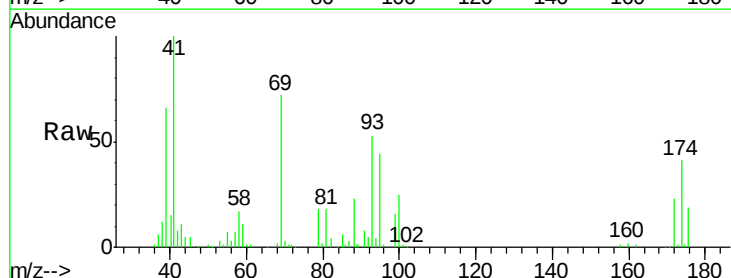
Tgt Ion: 41 Resp: 99485

Ion Ratio Lower Upper

41 100

69 73.0 36.5 109.5

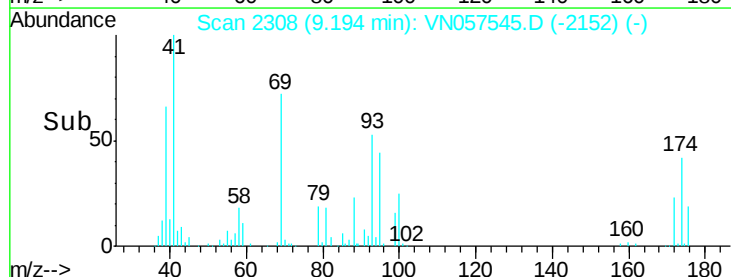
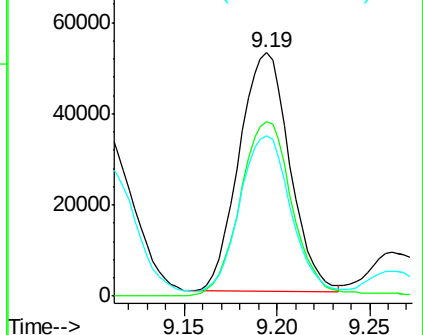
39 65.3 32.1 96.3

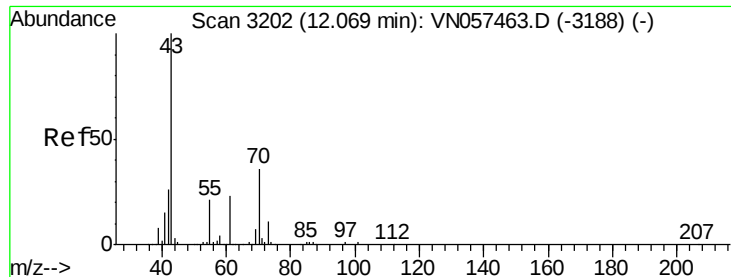


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

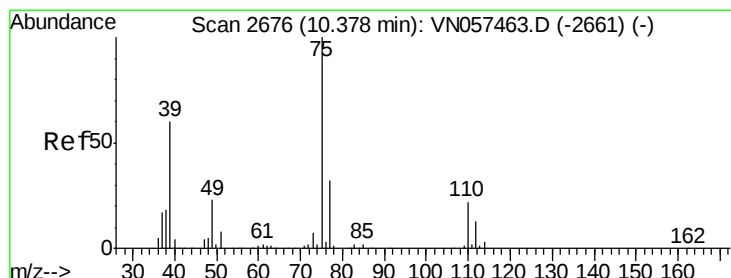
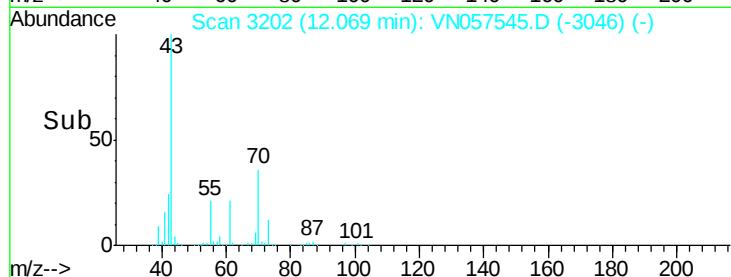
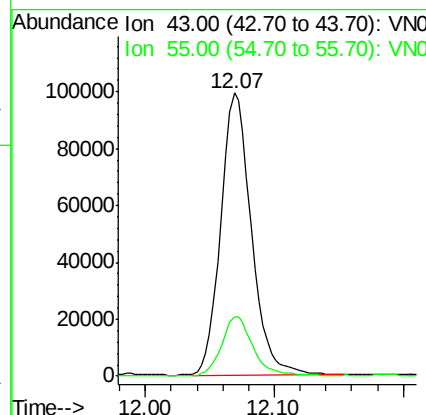
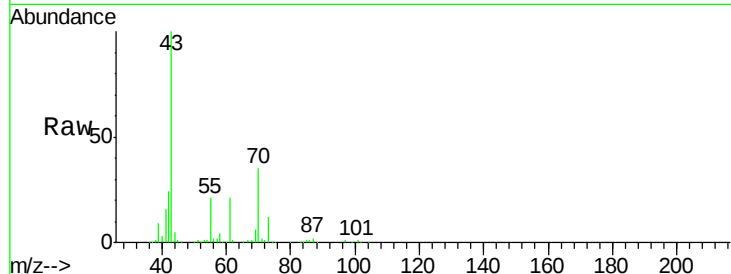




#47
n-amvl Acetate
Concen: 18.242 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

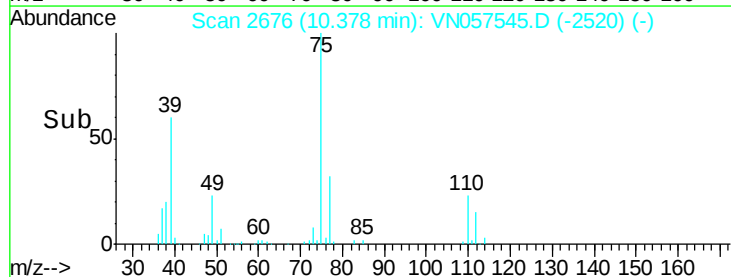
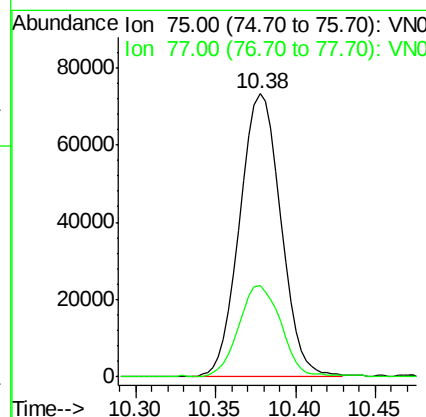
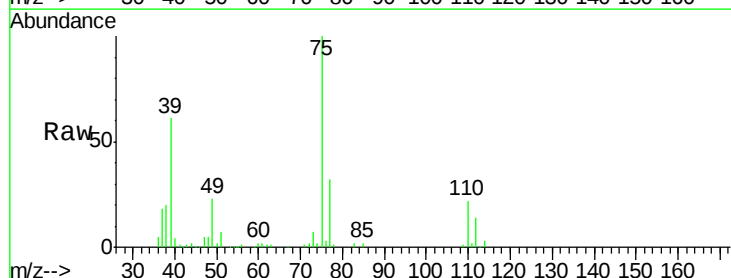
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

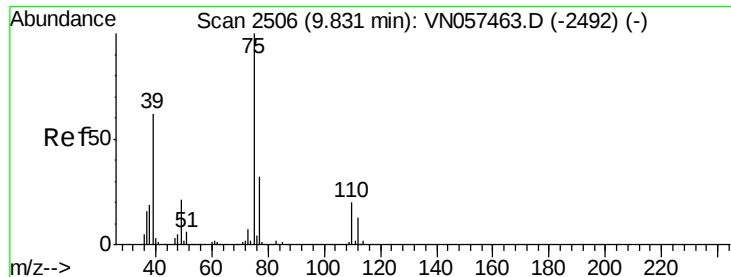
Tot Ion: 43 Resp: 163508
Ion Ratio Lower Upper
43 100
55 21.9 17.0 25.6



#48
t-1,3-Dichloropropene
Concen: 18.049 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 75 Resp: 128829
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

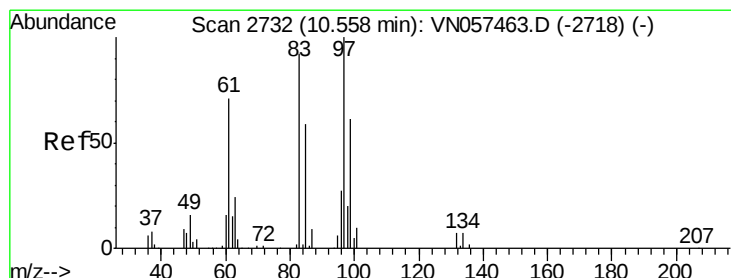
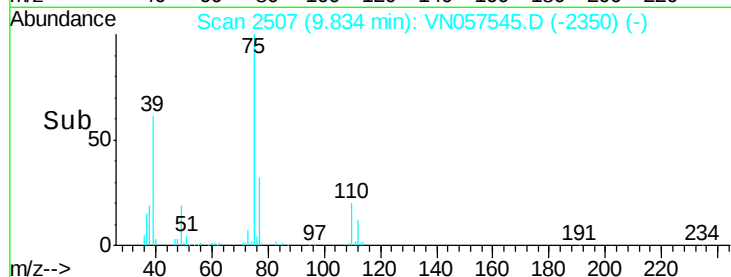
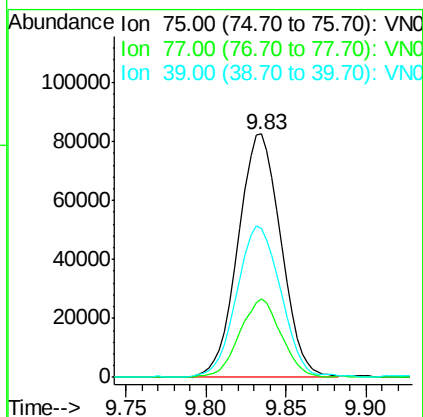
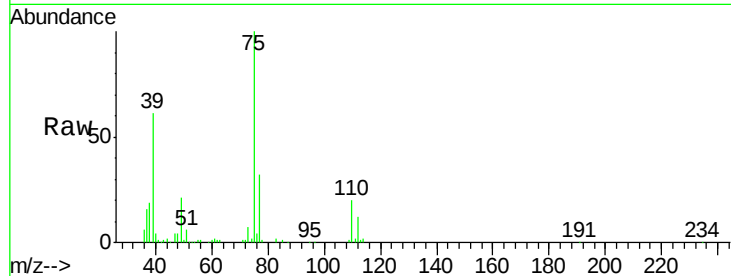




#49
 cis-1,3-Dichloropropene
 Concen: 19.340 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

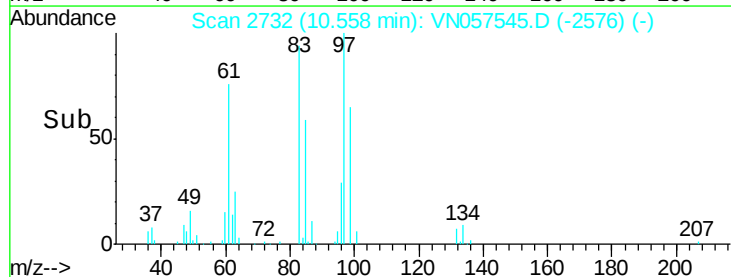
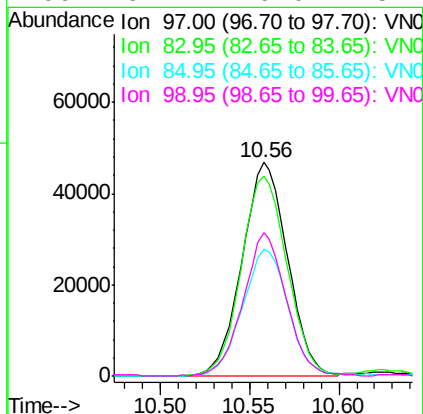
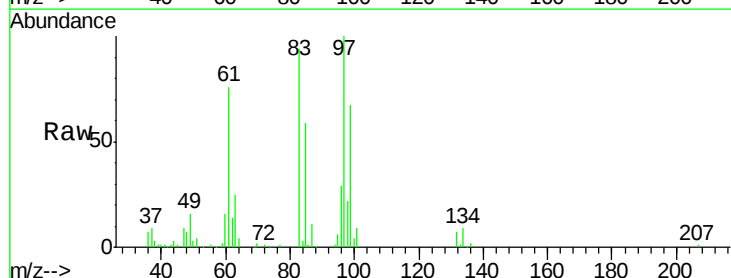
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

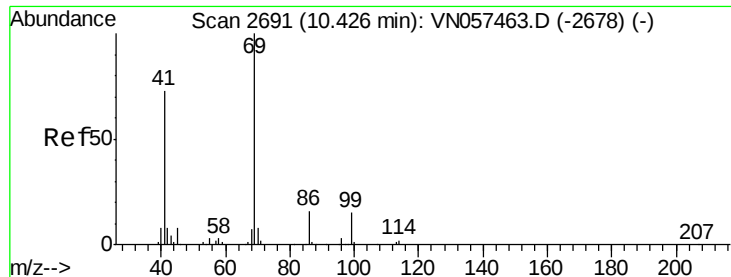
Tot Ion: 75 Resp: 151719
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0
 39 60.9 49.8 74.6



#50
 1,1,2-Trichloroethane
 Concen: 19.921 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 97 Resp: 83214
 Ion Ratio Lower Upper
 97 100
 83 93.1 73.2 109.8
 85 59.4 47.1 70.7
 99 67.4 49.0 73.4





#51

Ethyl methacrylate

Concen: 19.035 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

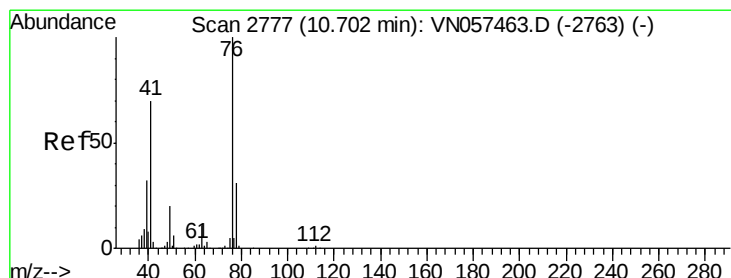
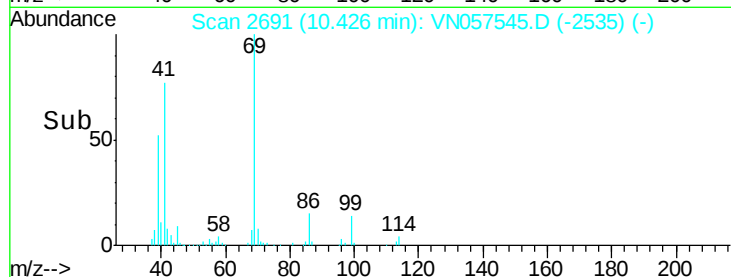
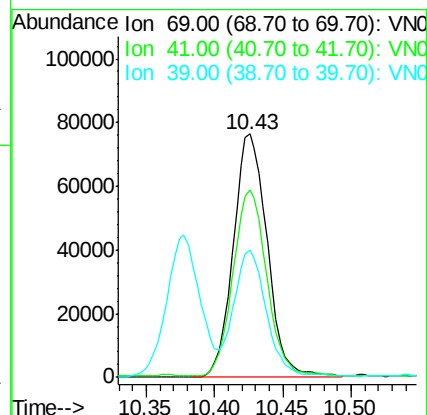
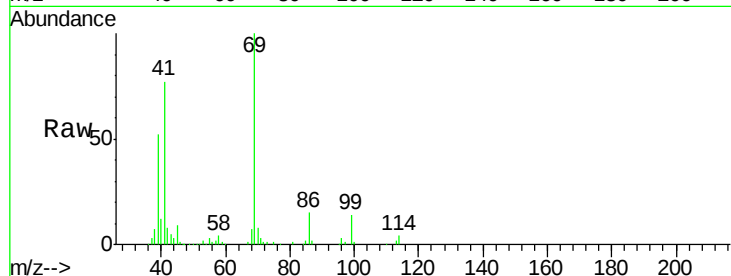
Tot Ion: 69 Resp: 132182

Ion Ratio Lower Upper

69 100

41 76.4 37.0 111.1

39 51.4 24.4 73.4



#52

1,3-Dichloropropane

Concen: 20.180 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057545.D

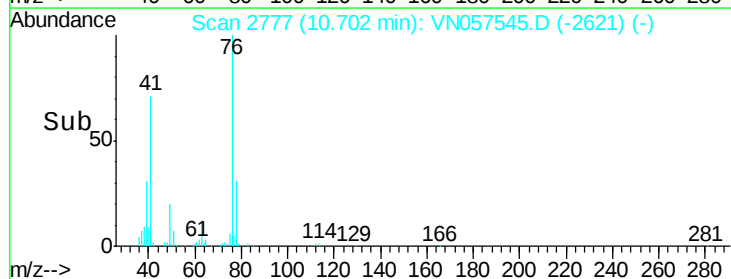
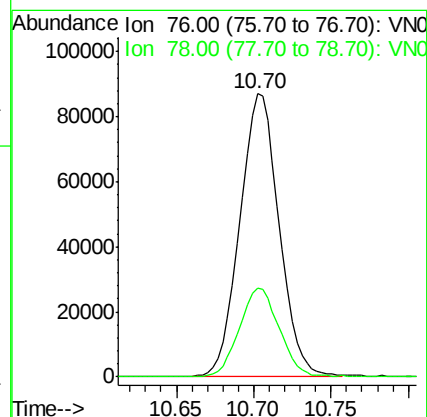
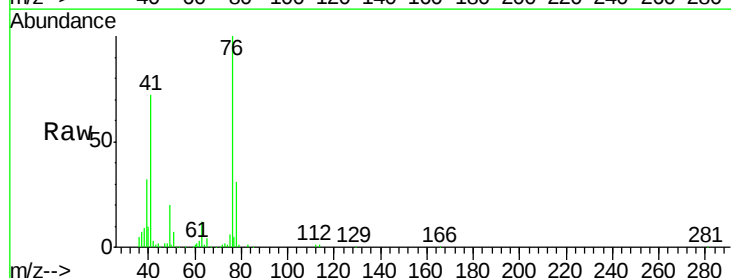
Acq: 27 Aug 2019 10:44

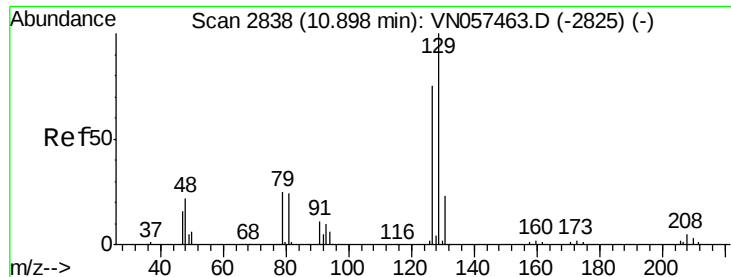
Tgt Ion: 76 Resp: 153690

Ion Ratio Lower Upper

76 100

78 31.7 0.0 63.0





#53

Dibromochloromethane

Concen: 18.644 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

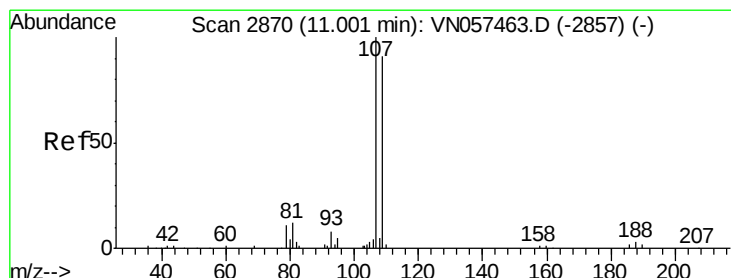
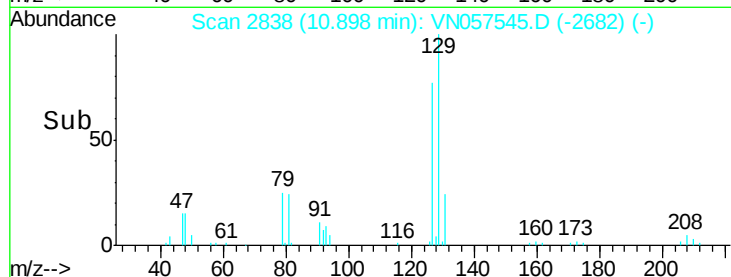
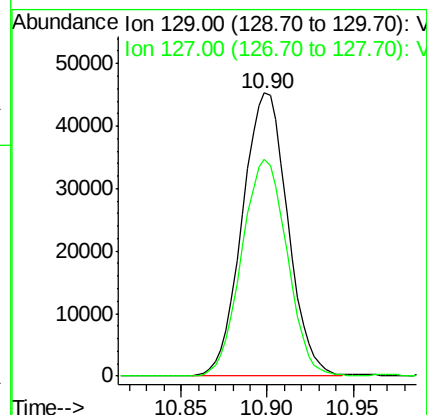
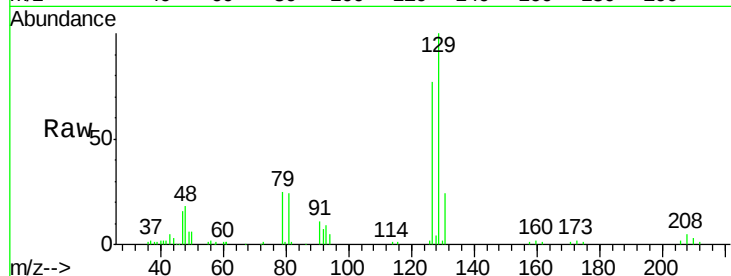
VN0827WBS01

Tot Ion:129 Resp: 83028

Ion Ratio Lower Upper

129 100

127 76.4 38.1 114.3



#54

1,2-Dibromoethane

Concen: 19.344 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057545.D

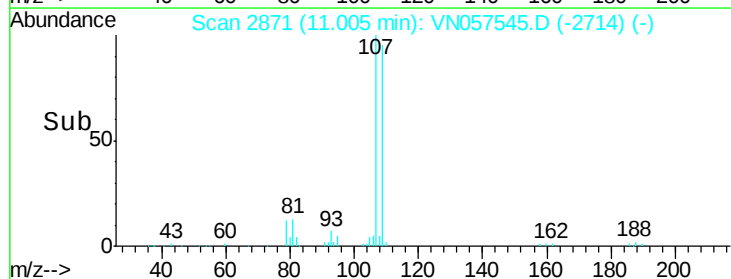
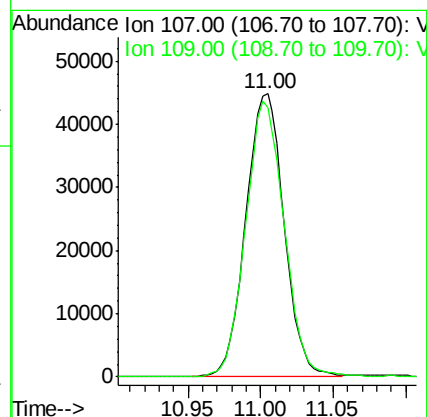
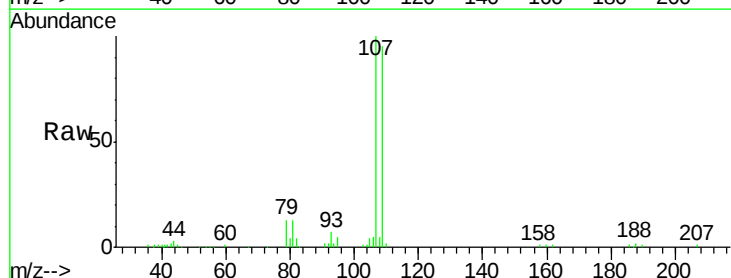
Acq: 27 Aug 2019 10:44

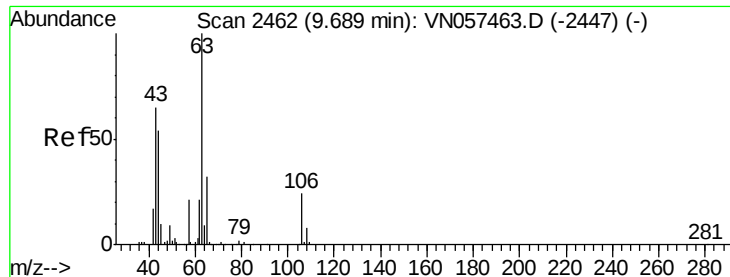
Tgt Ion:107 Resp: 82681

Ion Ratio Lower Upper

107 100

109 97.6 73.2 109.8





#55

2-Chloroethyl vinyl ether

Concen: 106.965 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

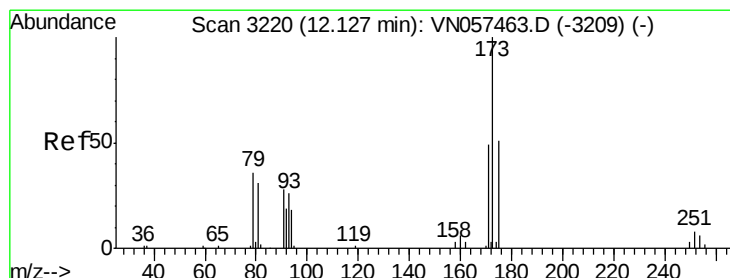
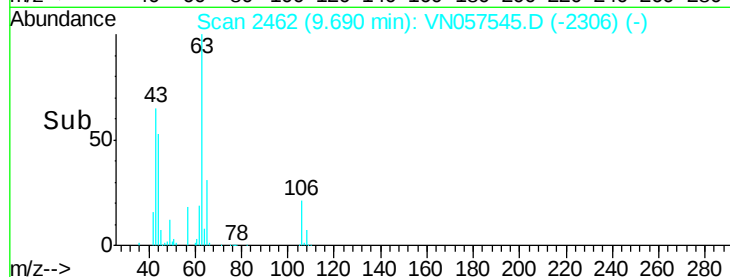
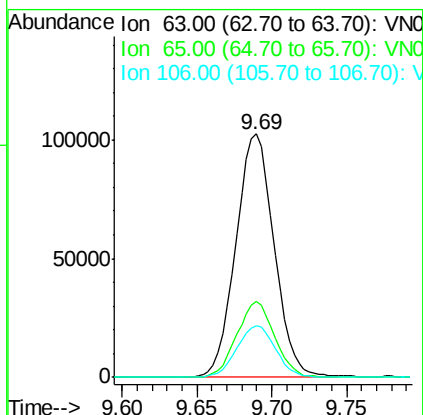
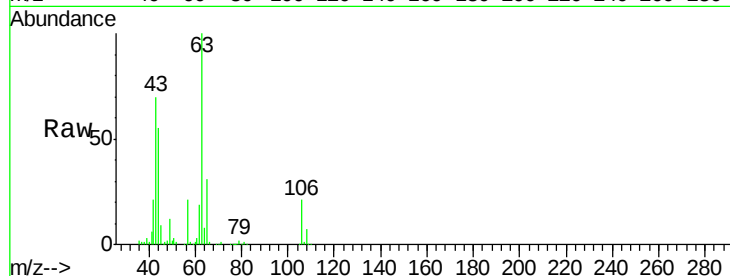
Tot Ion: 63 Resp: 183094

Ion Ratio Lower Upper

63 100

65 30.9 25.1 37.7

106 21.4 18.7 28.1



#56

Bromoform

Concen: 17.427 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

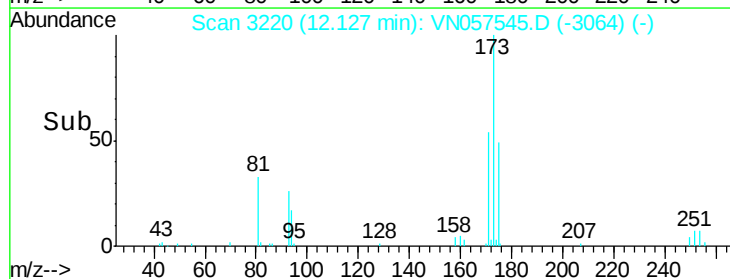
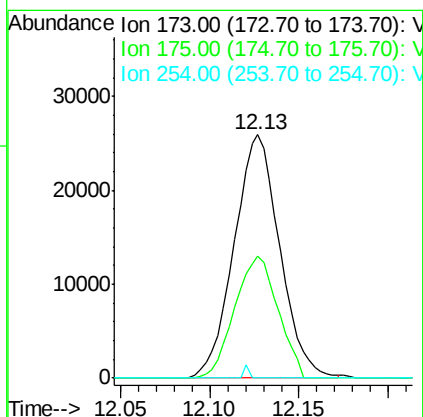
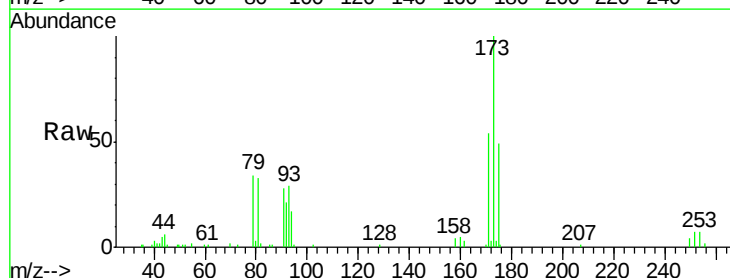
Tgt Ion: 173 Resp: 46317

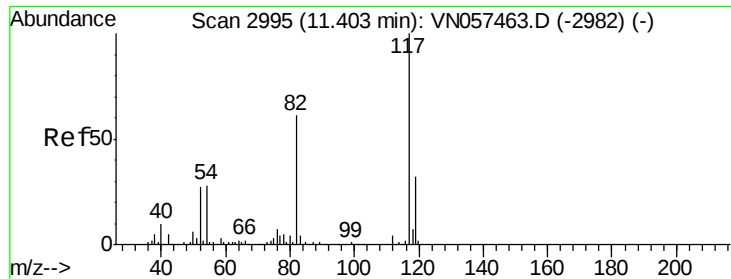
Ion Ratio Lower Upper

173 100

175 47.3 40.1 60.1

254 0.0 0.0 0.0

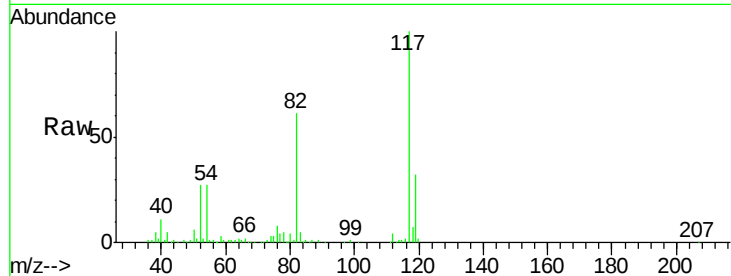




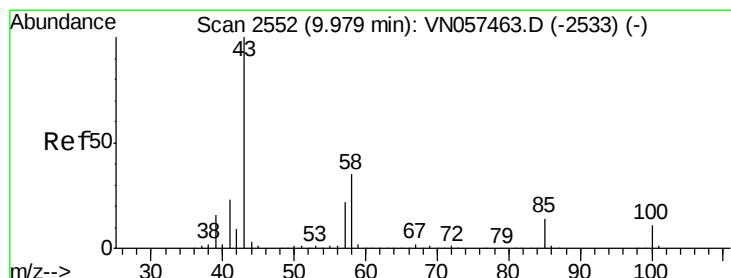
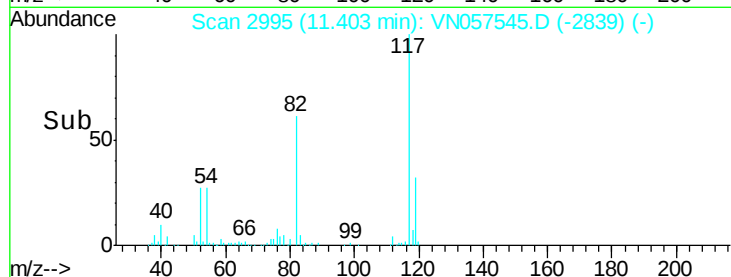
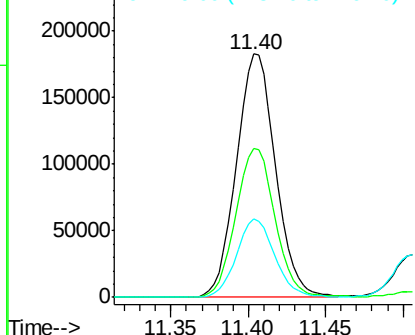
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion:117 Resp: 322095
Ion Ratio Lower Upper
117 100
82 61.7 50.4 75.6
119 31.5 25.4 38.2

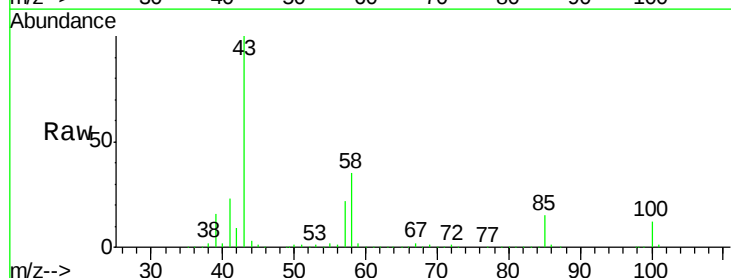


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

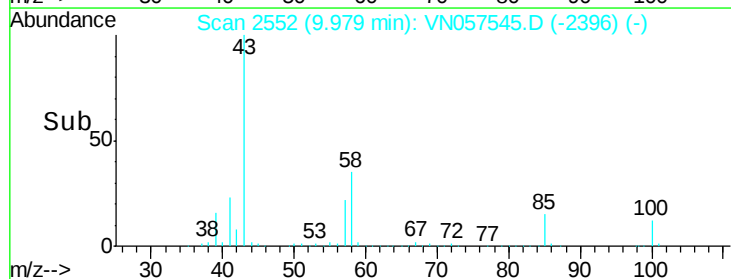
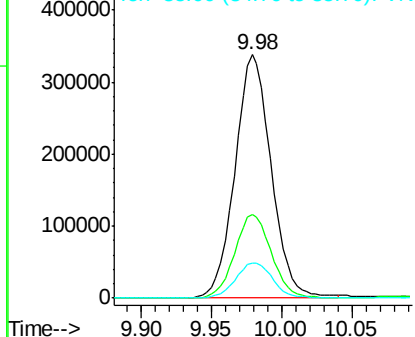


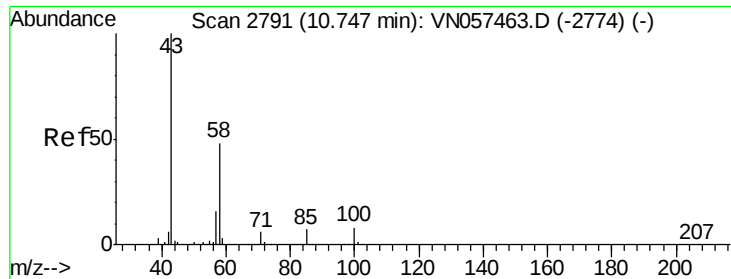
#58
4-Methyl-2-Pentanone
Concen: 95.918 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 43 Resp: 606079
Ion Ratio Lower Upper
43 100
58 35.1 28.0 42.0
85 14.7 11.3 16.9



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

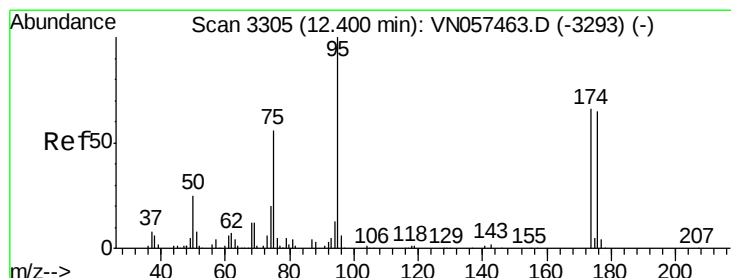
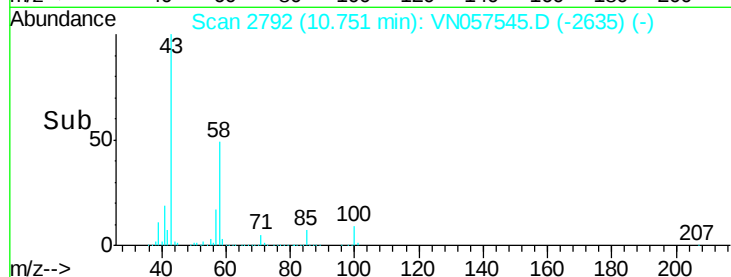
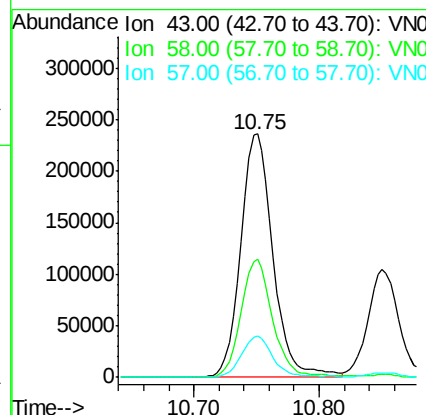
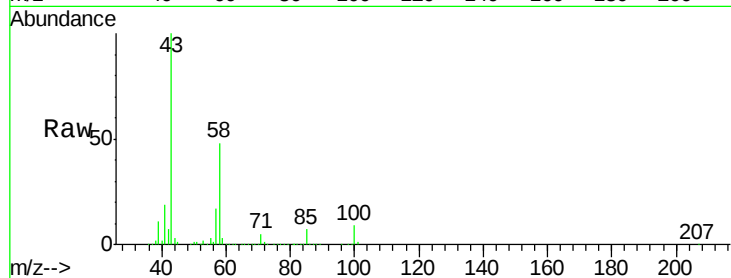




#59
2-Hexanone
Concen: 95.656 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

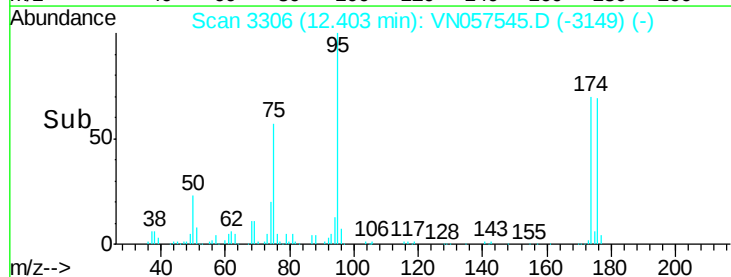
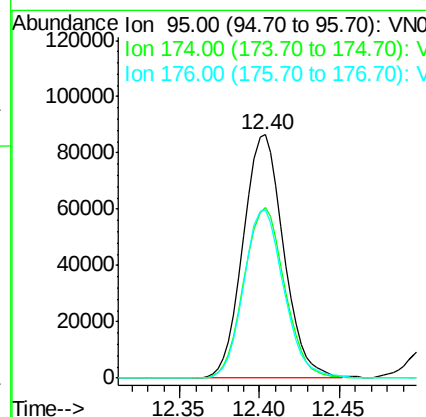
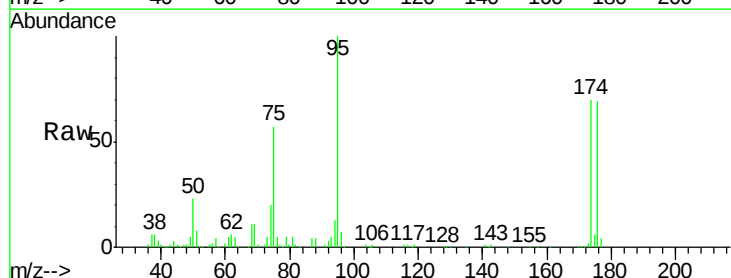
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

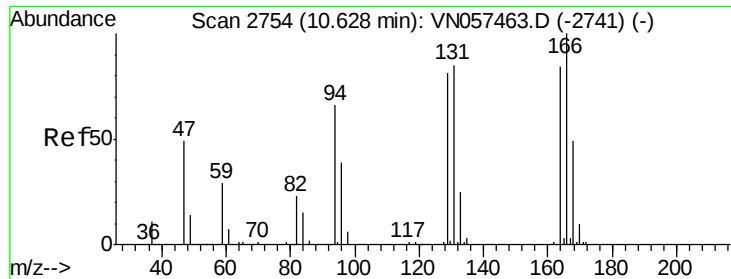
Tot Ion: 43 Resp: 418949
Ion Ratio Lower Upper
43 100
58 47.9 38.9 58.3
57 16.6 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 28.132 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 95 Resp: 149421
Ion Ratio Lower Upper
95 100
174 70.6 54.9 82.3
176 68.6 54.2 81.4





#61

Tetrachloroethene

Concen: 20.692 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion:164 Resp: 76432

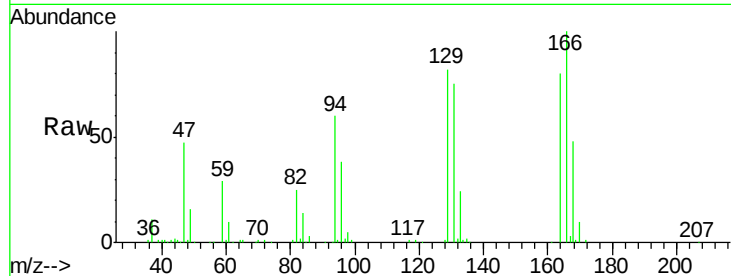
Ion Ratio Lower Upper

164 100

166 124.7 95.8 143.6

129 102.4 77.2 115.8

131 92.9 81.1 121.7

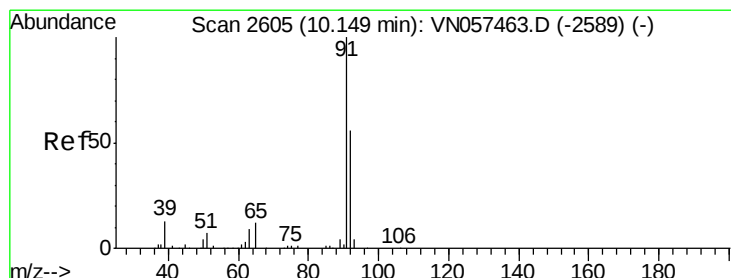
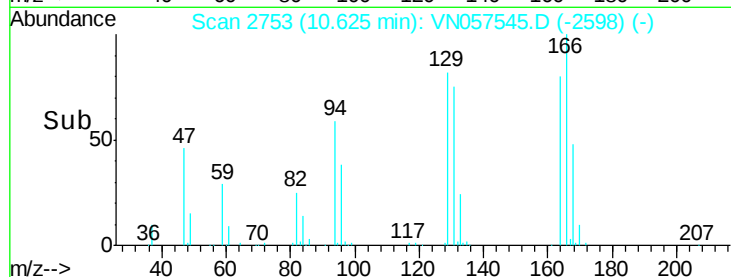
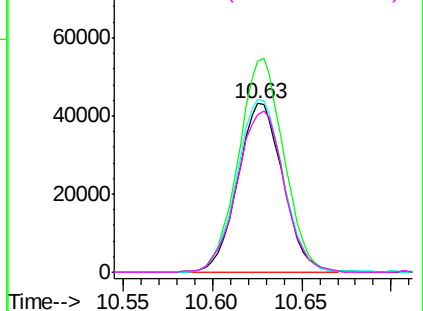


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.271 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057545.D

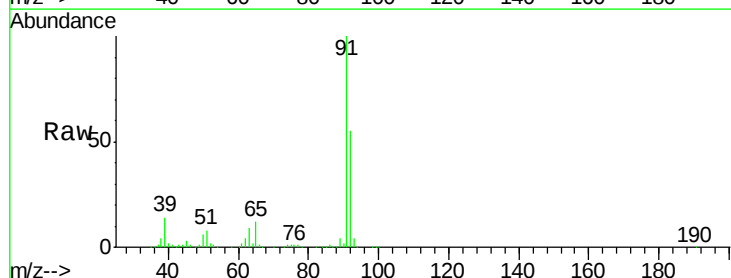
Acq: 27 Aug 2019 10:44

Tgt Ion: 91 Resp: 399047

Ion Ratio Lower Upper

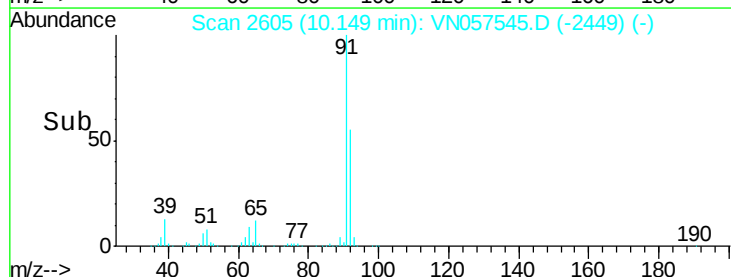
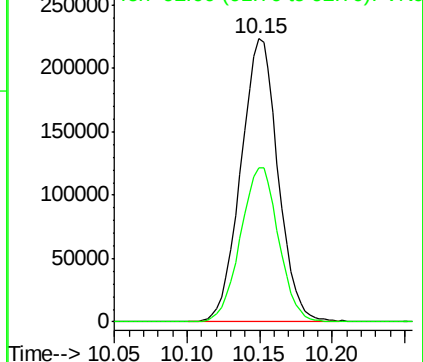
91 100

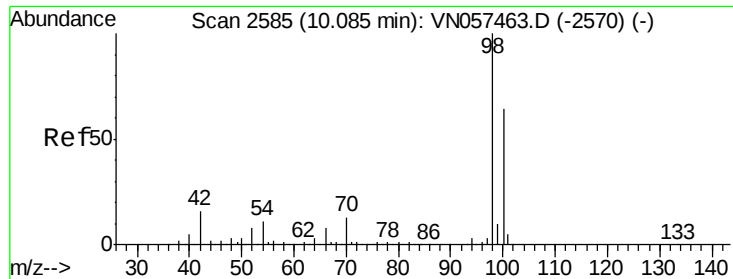
92 56.0 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.409 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

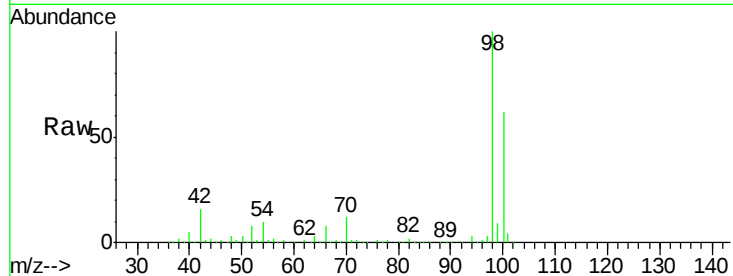
VN0827WBS01

Tot Ion: 98 Resp: 494626

Ion Ratio Lower Upper

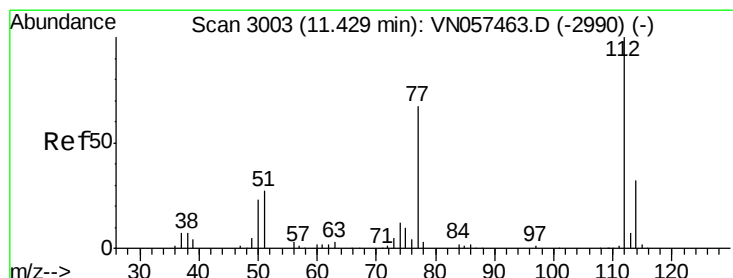
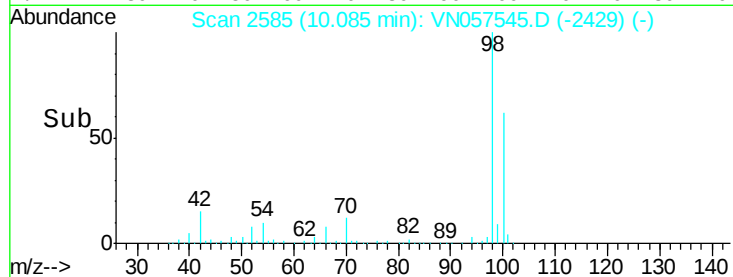
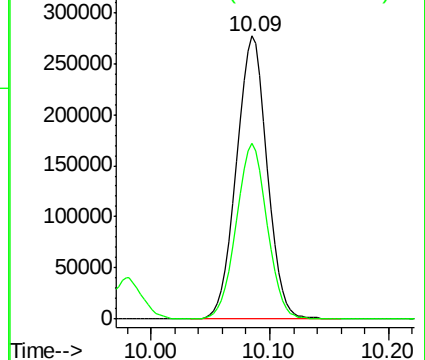
98 100

100 62.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.127 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057545.D

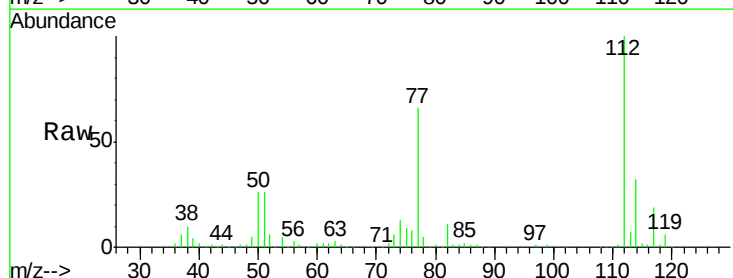
Acq: 27 Aug 2019 10:44

Tgt Ion: 112 Resp: 215403

Ion Ratio Lower Upper

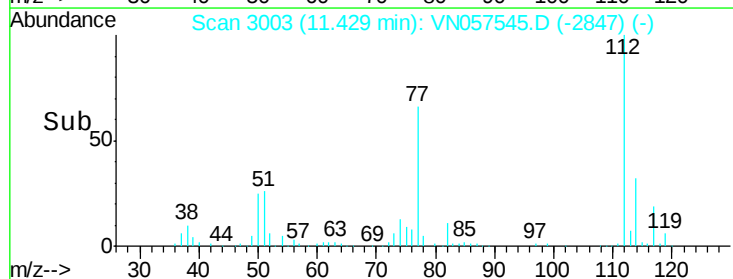
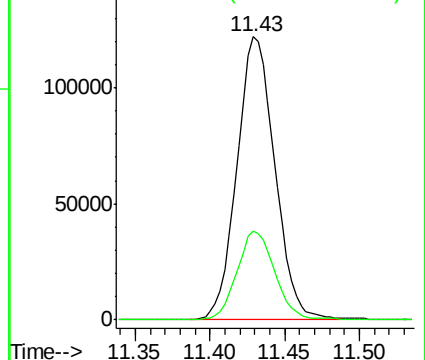
112 100

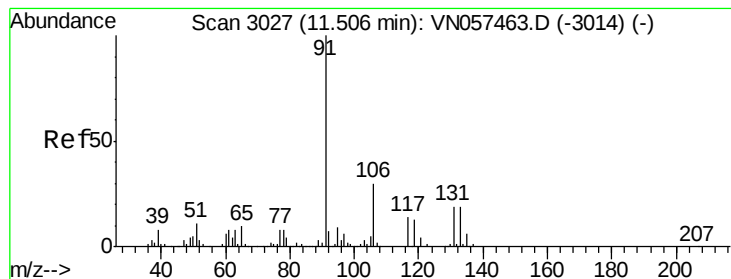
114 31.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.615 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

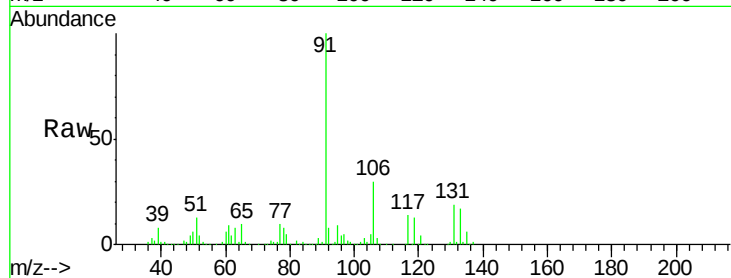
Tot Ion:131 Resp: 79778

Ion Ratio Lower Upper

131 100

133 92.6 0.0 193.6

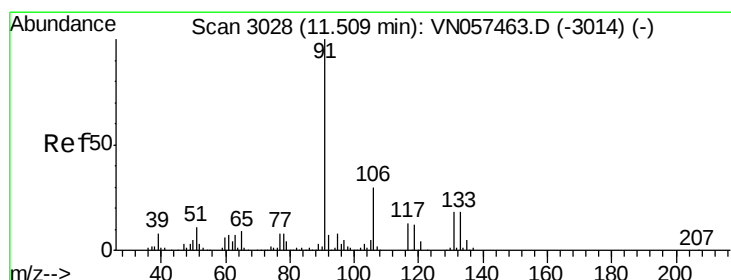
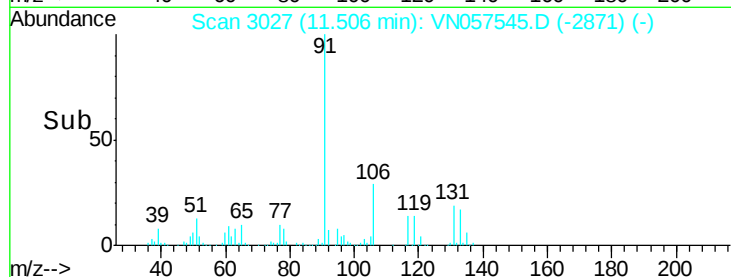
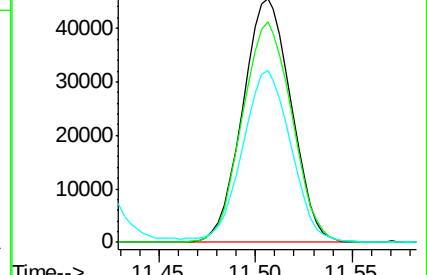
119 70.4 0.0 137.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.861 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057545.D

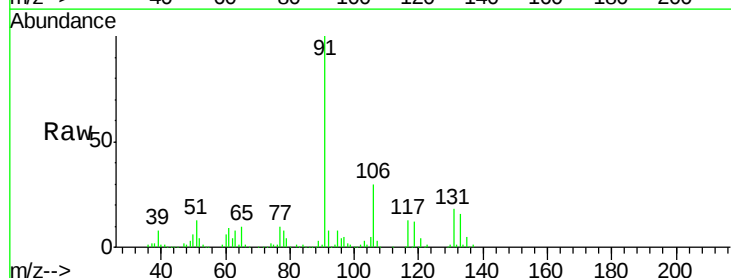
Acq: 27 Aug 2019 10:44

Tgt Ion: 91 Resp: 418430

Ion Ratio Lower Upper

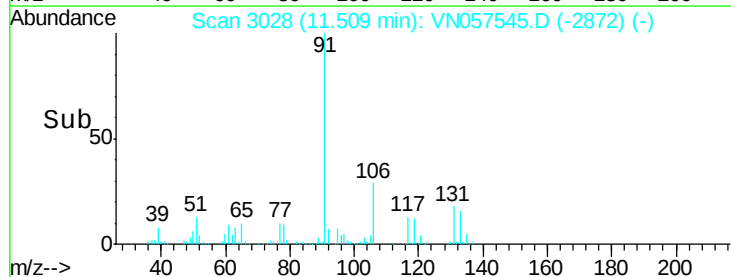
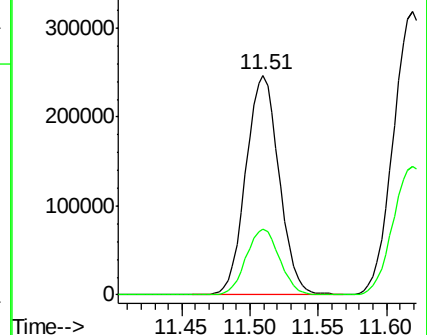
91 100

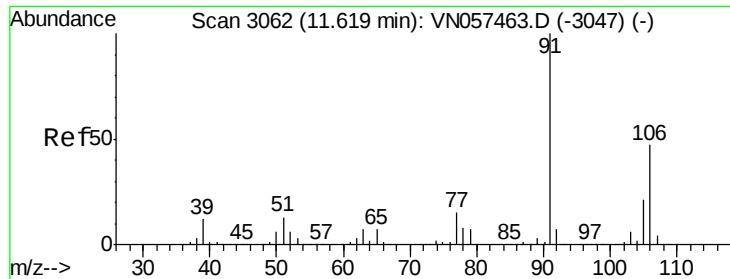
106 30.0 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

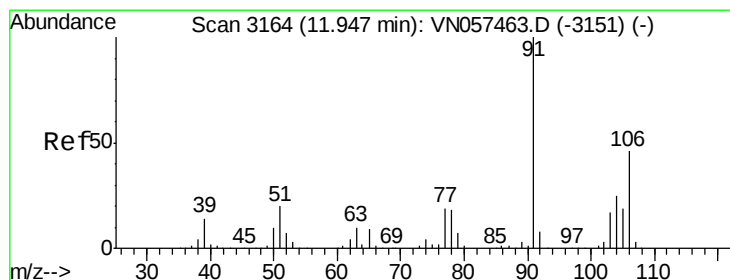
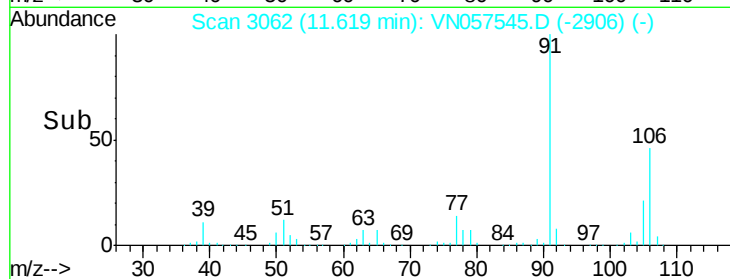
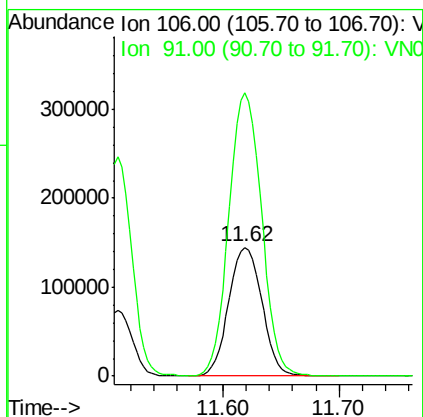
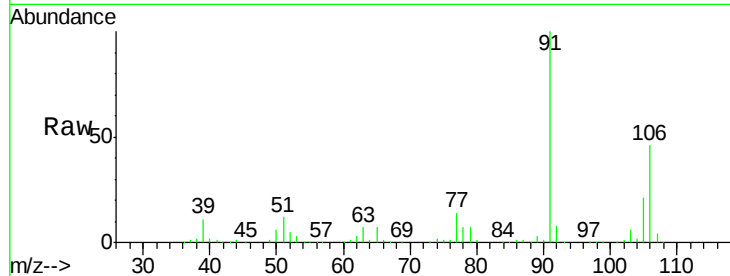




#67
m/p-Xylenes
Concen: 39.761 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

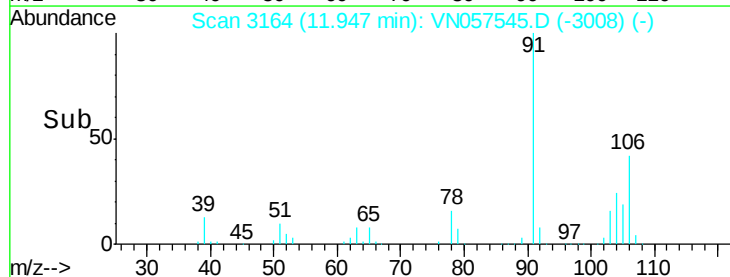
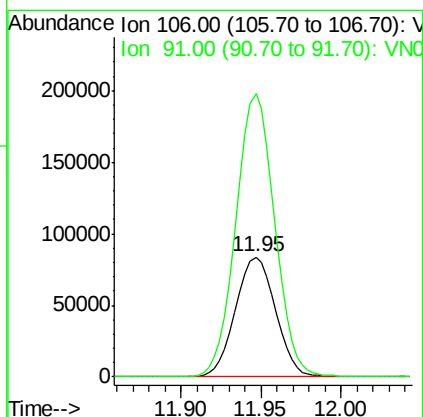
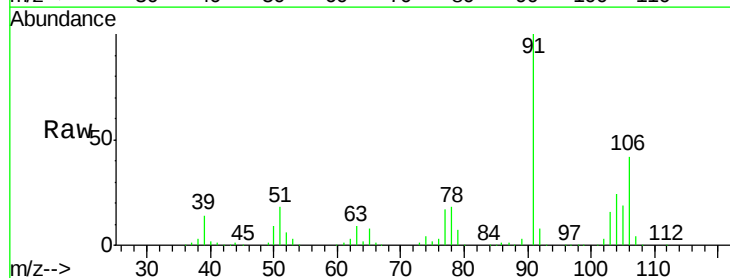
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

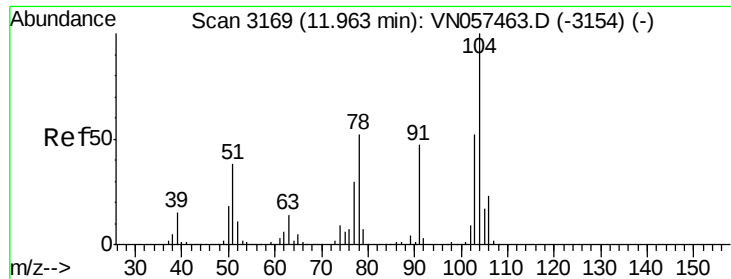
Tot Ion:106 Resp: 290546
Ion Ratio Lower Upper
106 100
91 214.6 172.9 259.3



#68
o-Xylene
Concen: 19.799 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion:106 Resp: 142980
Ion Ratio Lower Upper
106 100
91 228.7 111.1 333.4

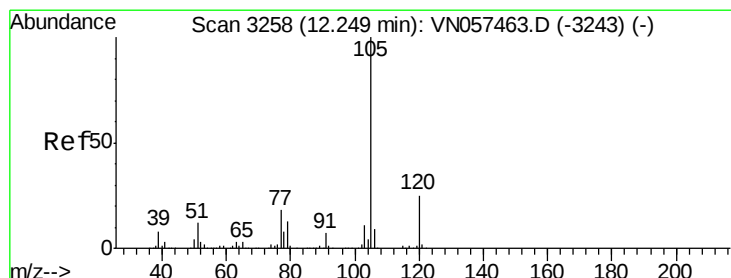
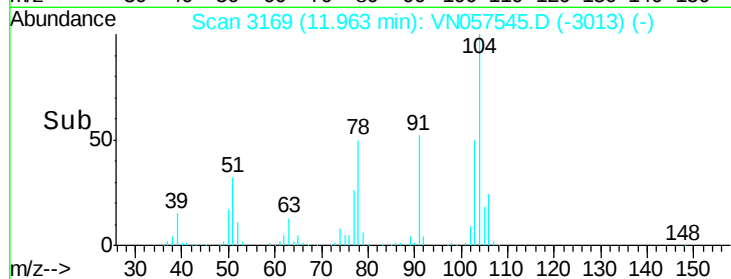
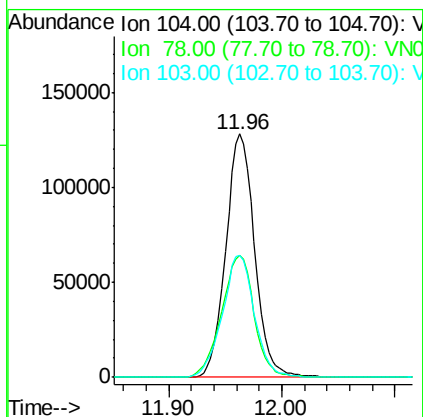
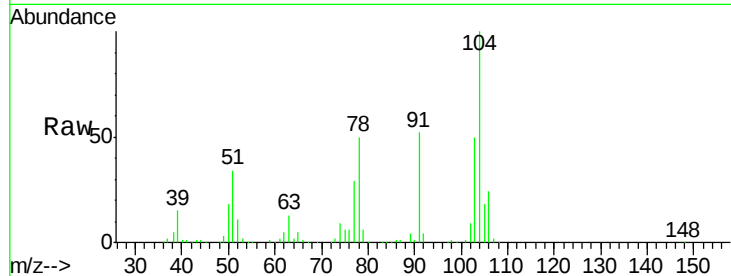




#69
Stvrene
Concen: 19.704 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

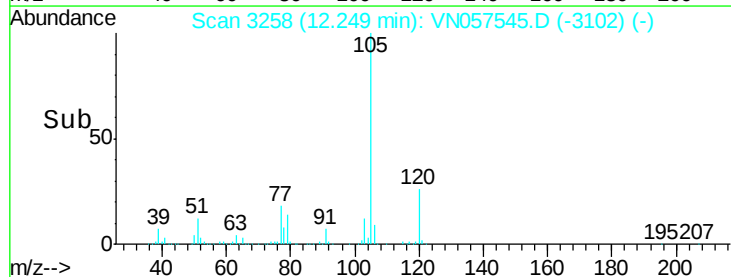
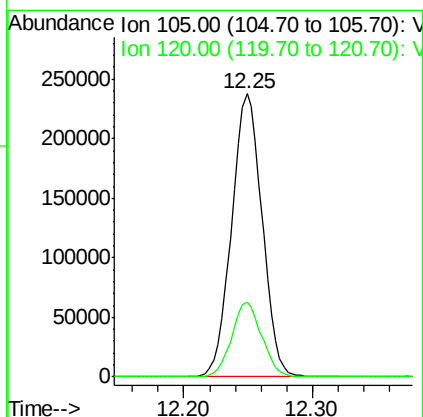
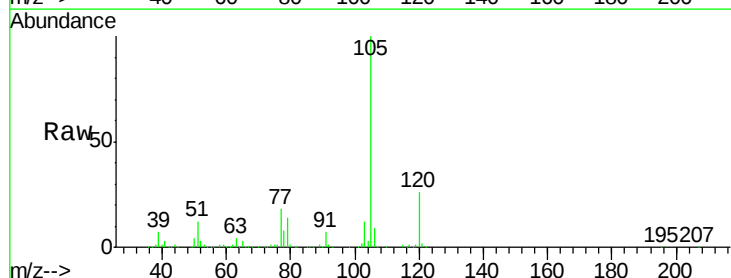
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

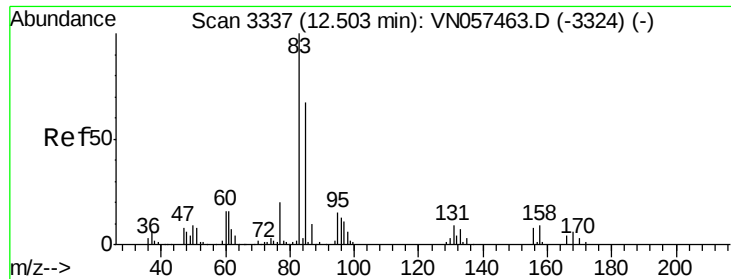
Tot Ion:104 Resp: 227308
Ion Ratio Lower Upper
104 100
78 56.7 46.5 69.7
103 55.7 45.9 68.9



#70
Isopropylbenzene
Concen: 20.163 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion:105 Resp: 389506
Ion Ratio Lower Upper
105 100
120 26.0 17.8 33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.215 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

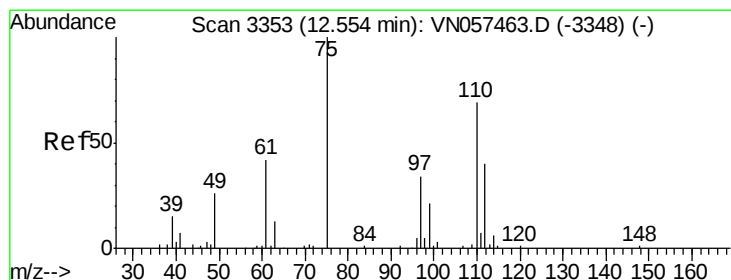
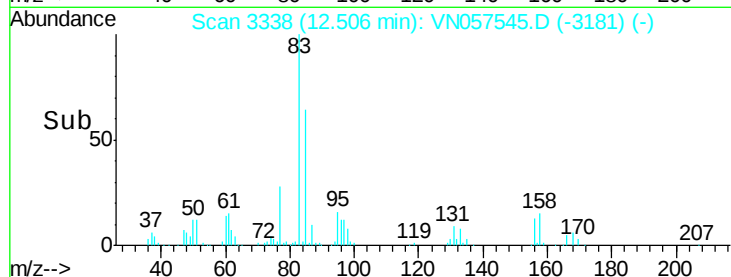
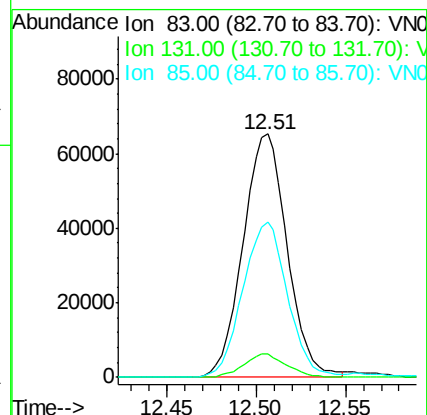
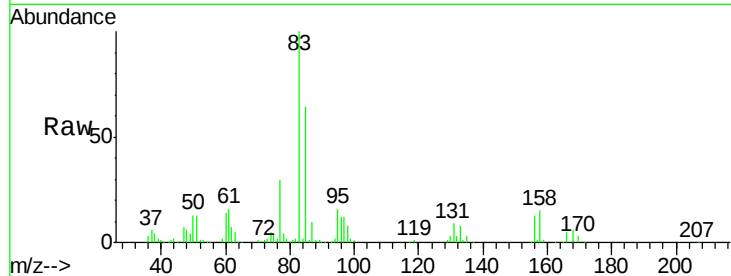
Tot Ion: 83 Resp: 112935

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

85 64.5 33.1 99.2



#72

1,2,3-Trichloropropane

Concen: 27.419 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057545.D

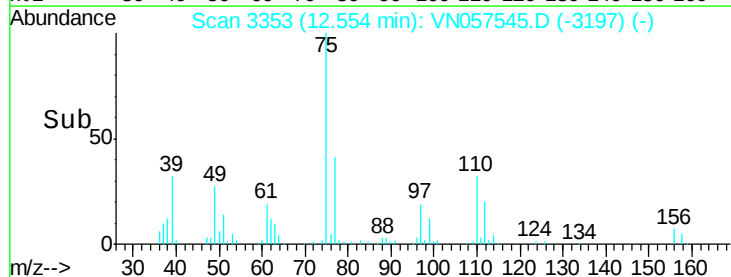
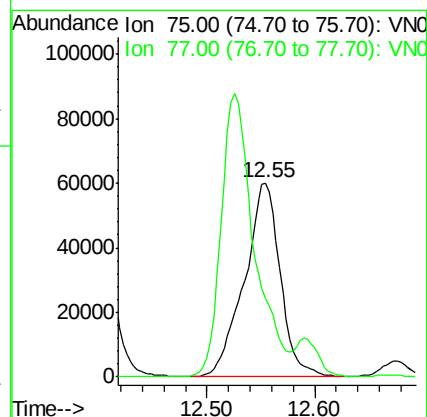
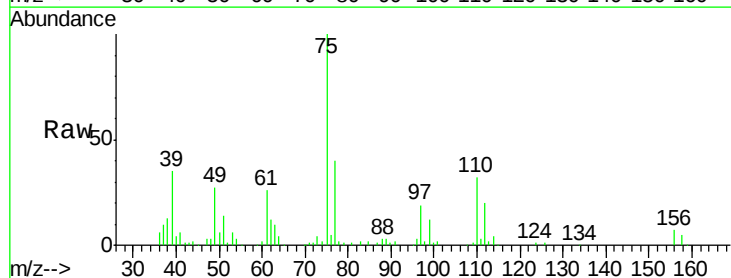
Acq: 27 Aug 2019 10:44

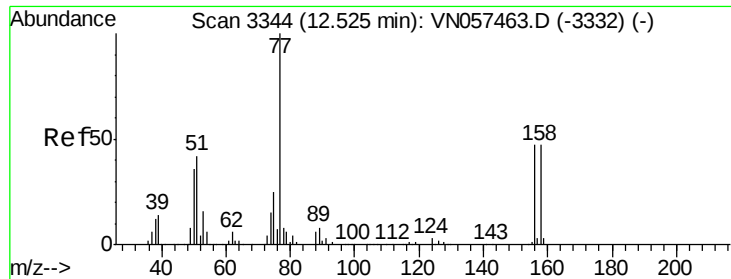
Tgt Ion: 75 Resp: 139054

Ion Ratio Lower Upper

75 100

77 135.1 0.0 380.2





#73

Bromobenzene

Concen: 20.079 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

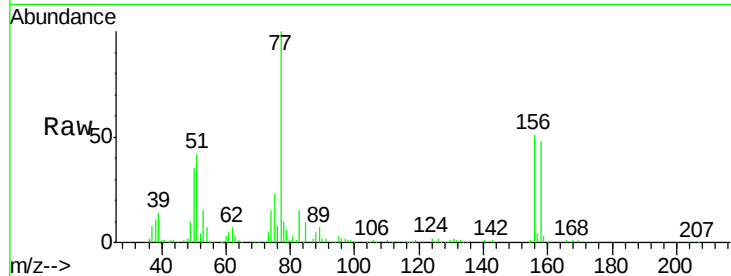
Tot Ion:156 Resp: 78513

Ion Ratio Lower Upper

156 100

77 239.3 0.0 506.8

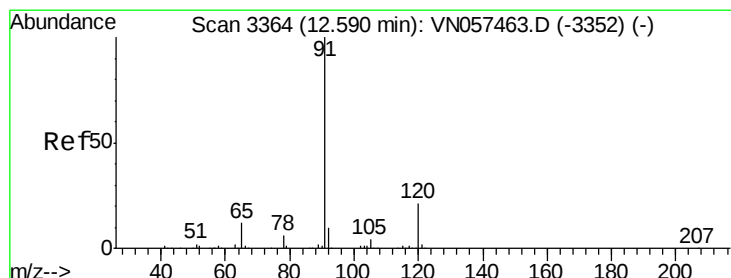
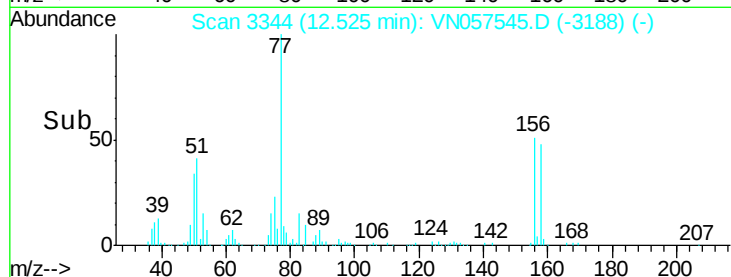
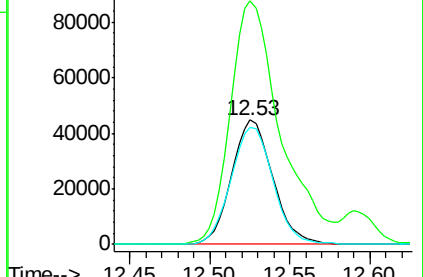
158 96.2 0.0 196.6



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: 19.439 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057545.D

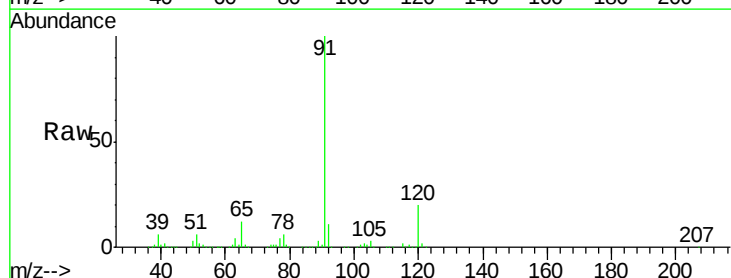
Acq: 27 Aug 2019 10:44

Tgt Ion: 91 Resp: 428216

Ion Ratio Lower Upper

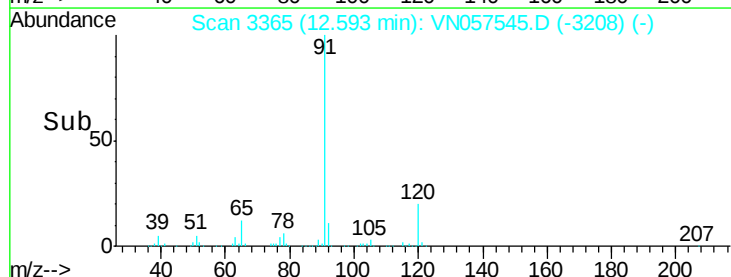
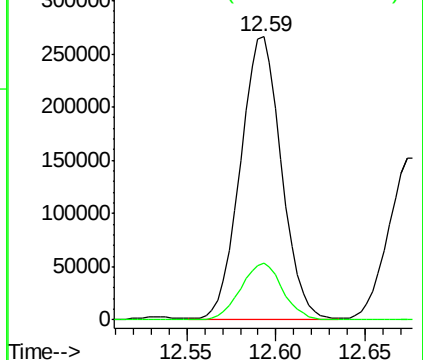
91 100

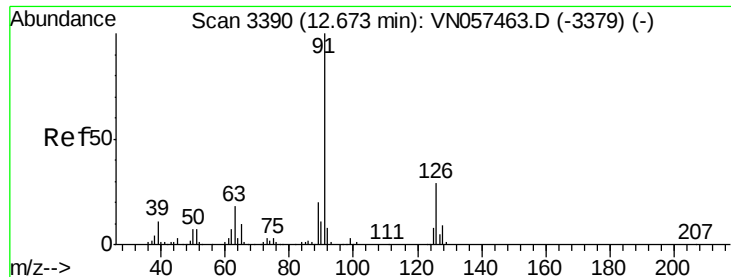
120 20.4 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

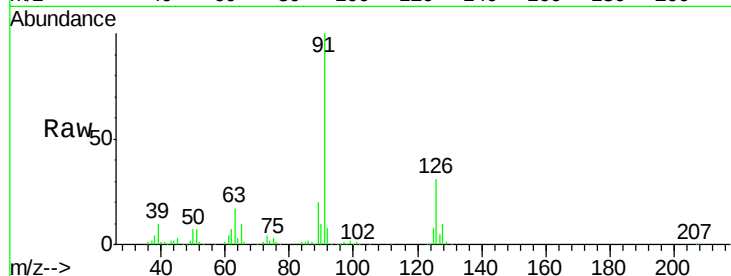
VN0827WBS01

Tot Ion: 91 Resp: 257632

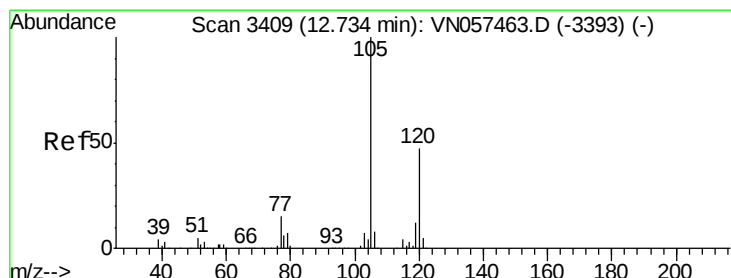
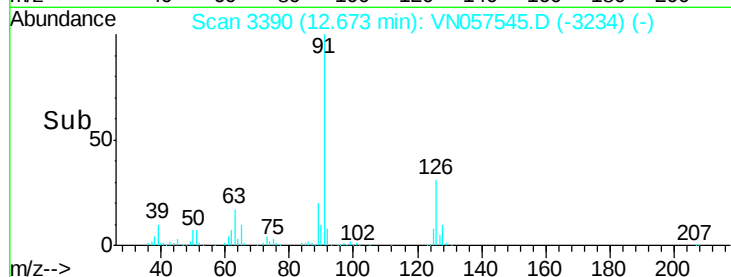
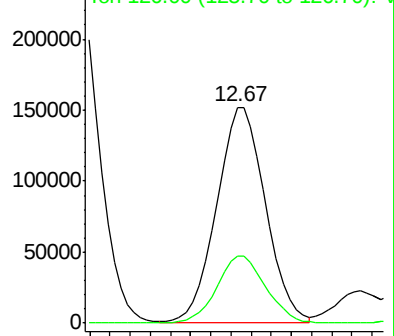
Ion Ratio Lower Upper

91 100

126 31.1 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.527 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057545.D

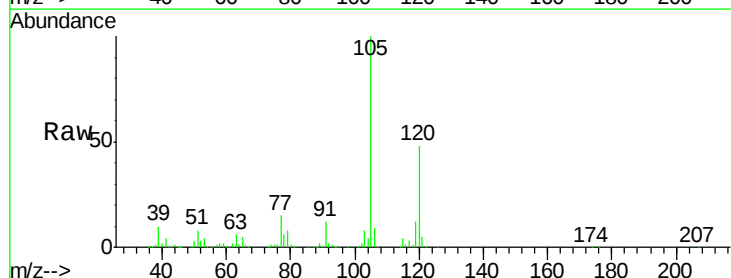
Acq: 27 Aug 2019 10:44

Tgt Ion: 105 Resp: 309592

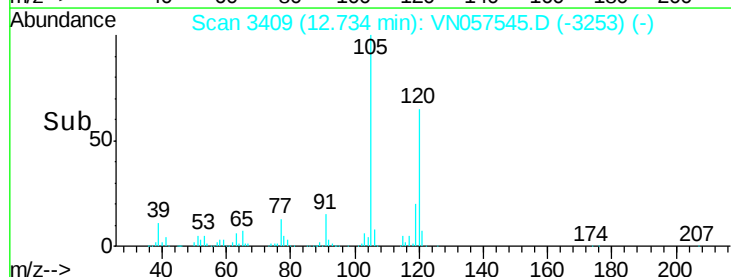
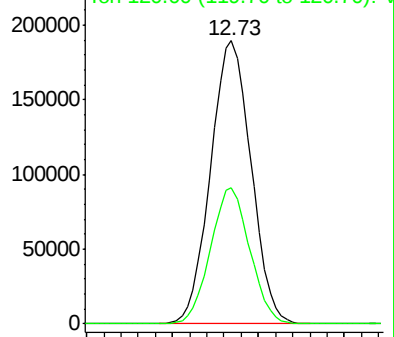
Ion Ratio Lower Upper

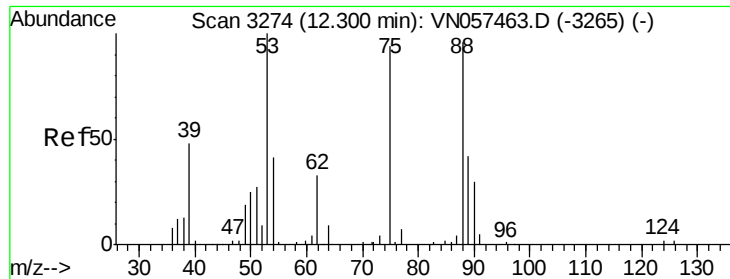
105 100

120 46.7 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

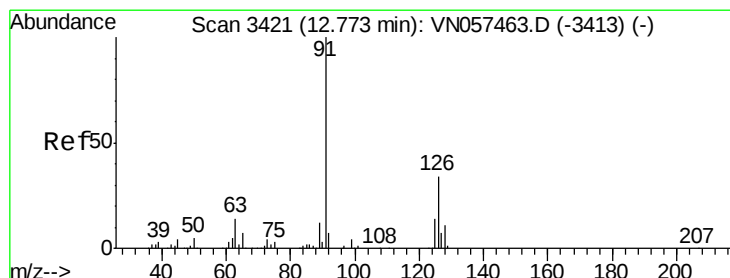
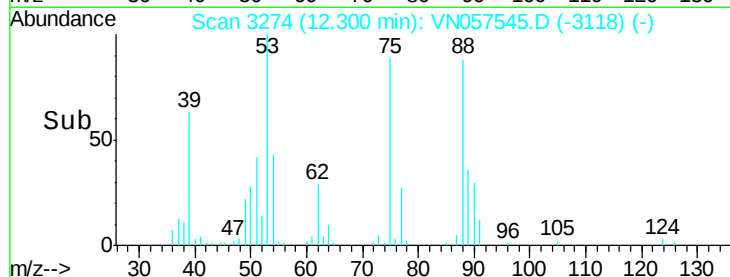
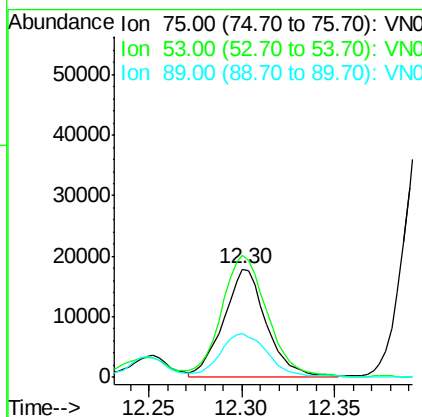
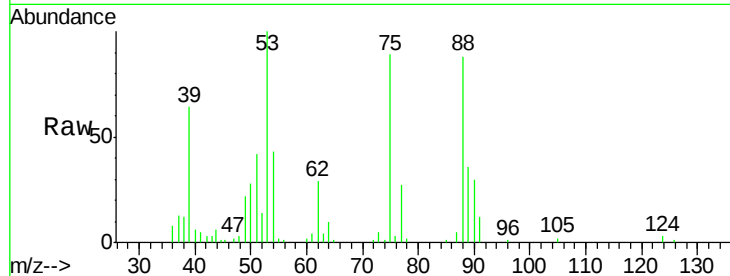




#77
t-1,4-Dichloro-2-butene
Concen: 15.872 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

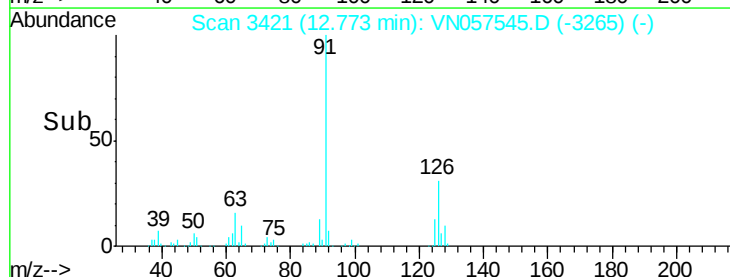
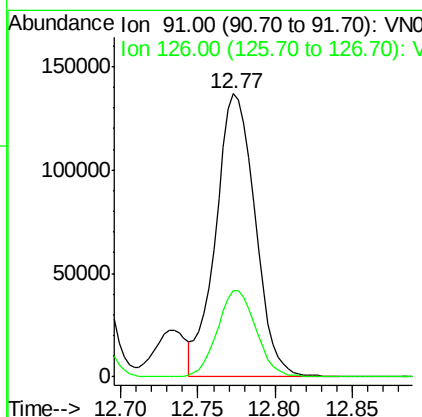
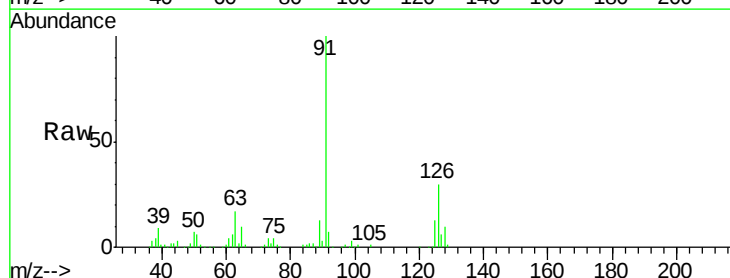
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

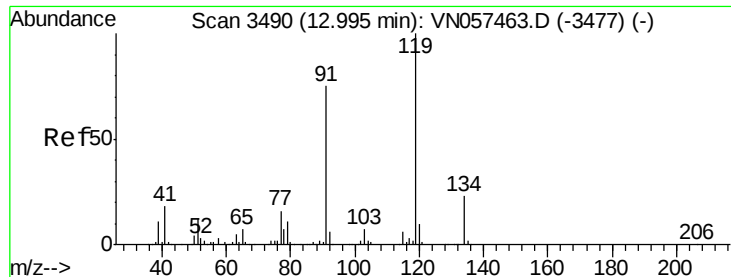
Tot Ion: 75 Resp: 28866
Ion Ratio Lower Upper
75 100
53 112.6 55.6 166.9
89 39.7 23.8 71.4



#78
4-Chlorotoluene
Concen: 19.720 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion: 91 Resp: 241735
Ion Ratio Lower Upper
91 100
126 30.0 0.0 61.6

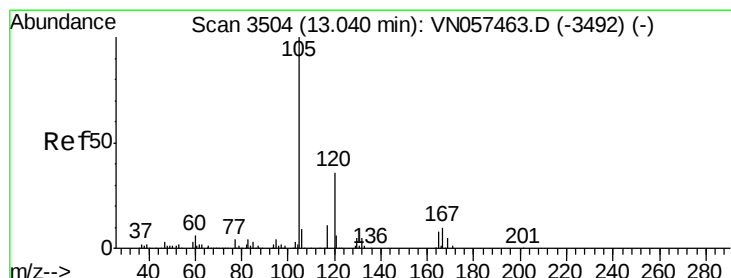
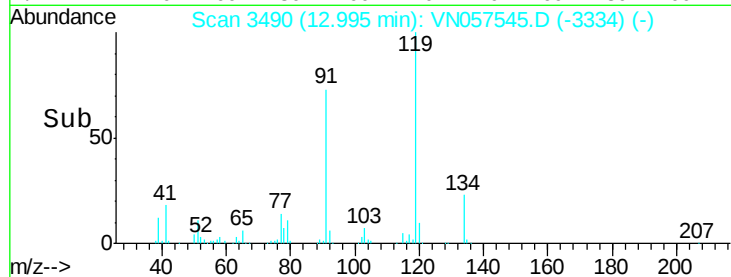
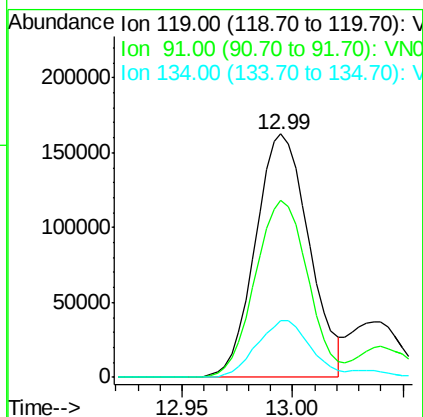
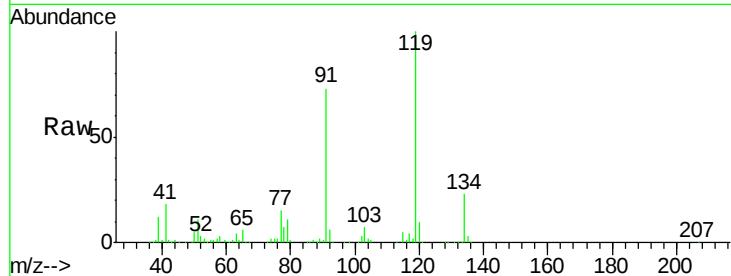




#79
tert-butylbenzene
Concen: 20.306 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

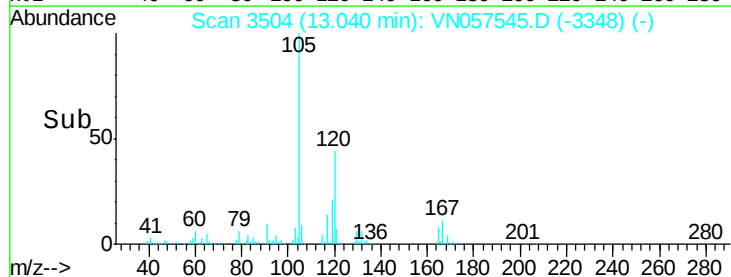
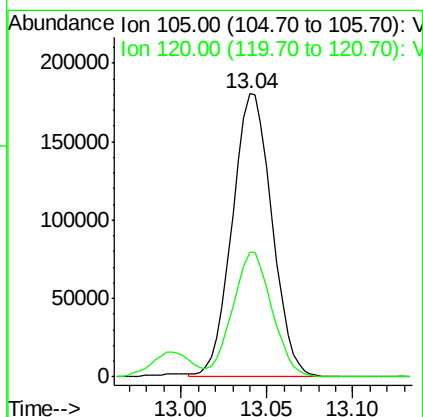
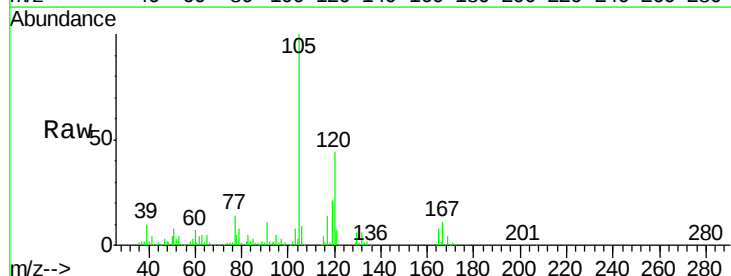
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

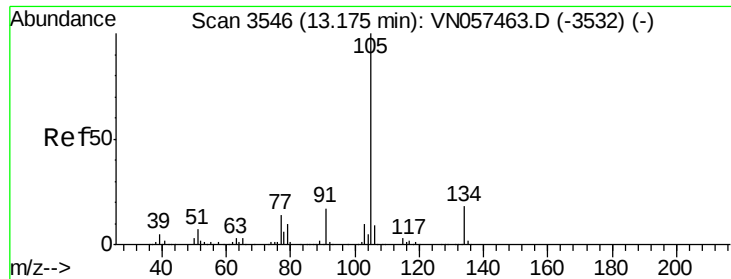
Tot Ion:119 Resp: 273945
Ion Ratio Lower Upper
119 100
91 72.1 0.0 146.6
134 23.3 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.640 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion:105 Resp: 290290
Ion Ratio Lower Upper
105 100
120 43.5 0.0 85.4





#81

sec-Butylbenzene

Concen: 19.581 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

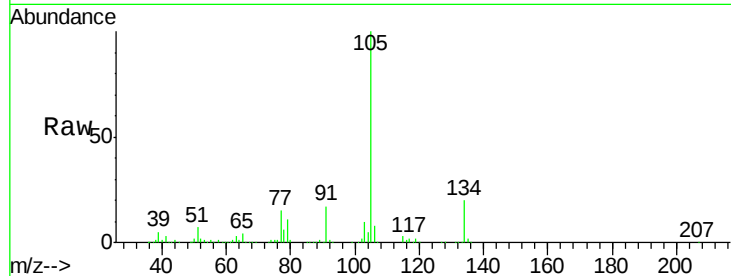
VN0827WBS01

Tot Ion:105 Resp: 348097

Ion Ratio Lower Upper

105 100

134 19.2 0.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

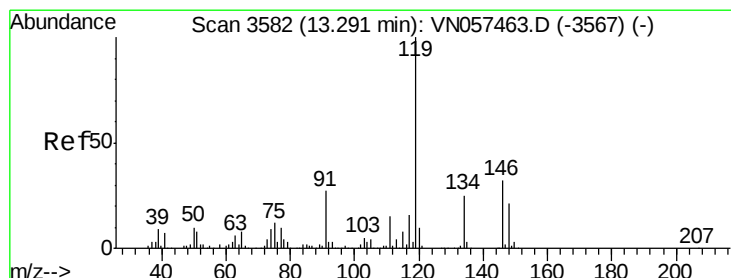
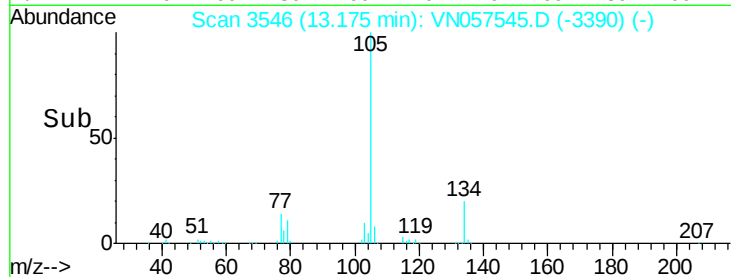
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.094 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

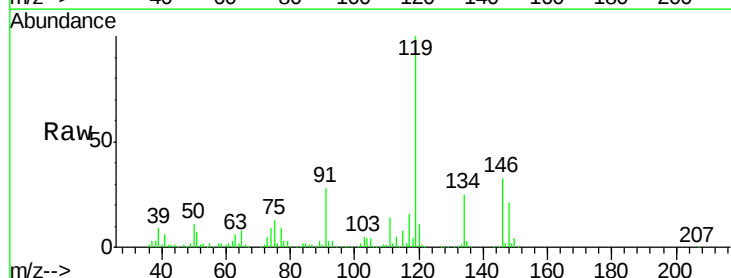
Tgt Ion:119 Resp: 285375

Ion Ratio Lower Upper

119 100

134 25.1 0.0 49.6

91 27.4 0.0 55.2



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

250000

200000

150000

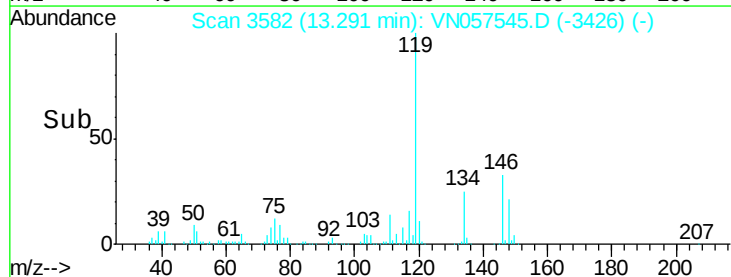
100000

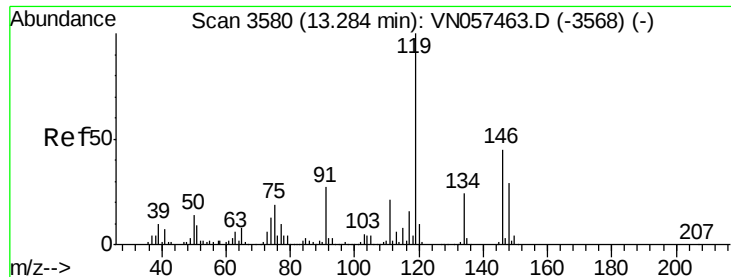
50000

0

13.25 13.30 13.35

Time-->

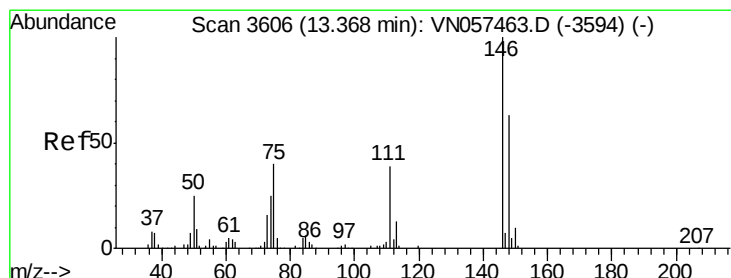
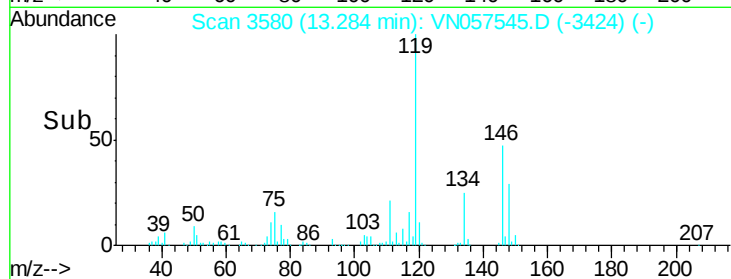
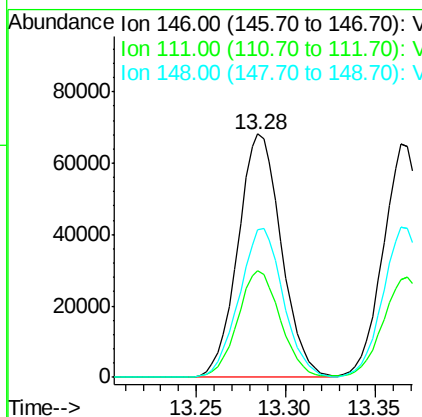
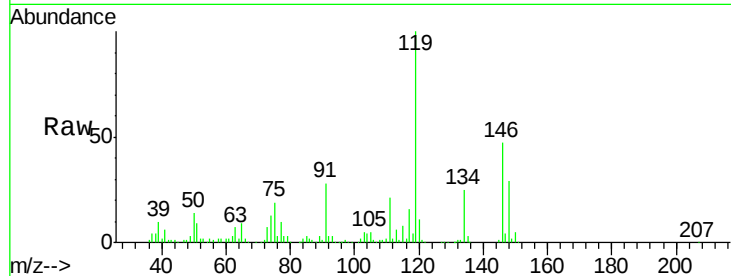




#83
 1,3-Dichlorobenzene
 Concen: 18.981 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

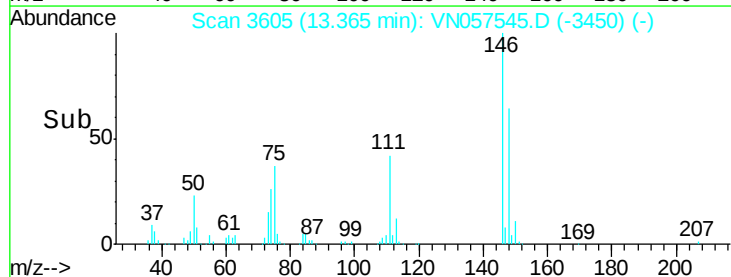
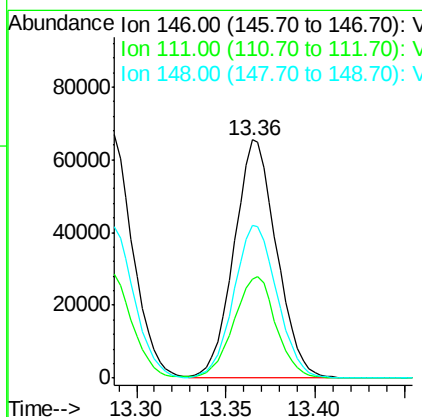
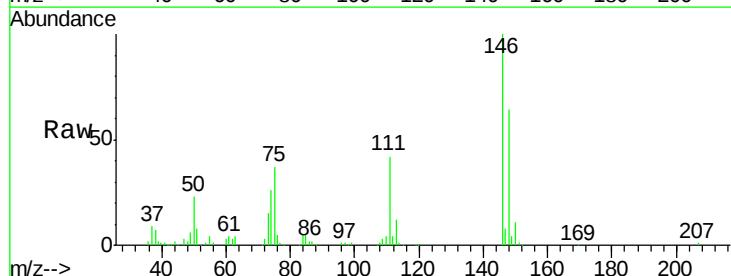
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

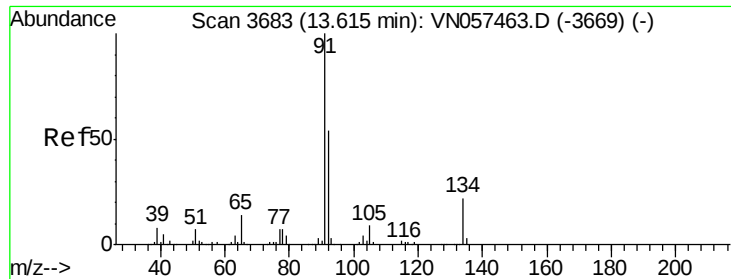
Tot Ion:146 Resp: 115543
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.4 67.0
 148 62.0 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 18.324 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion:146 Resp: 108513
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.5 61.5
 148 65.7 31.9 95.7

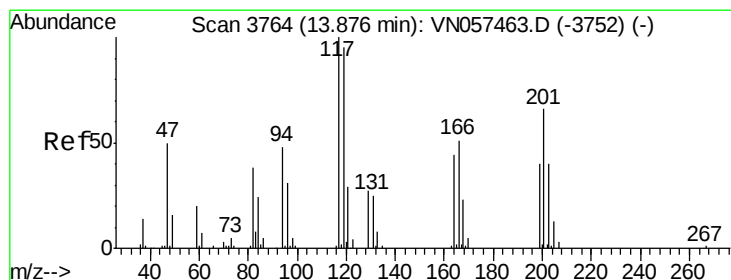
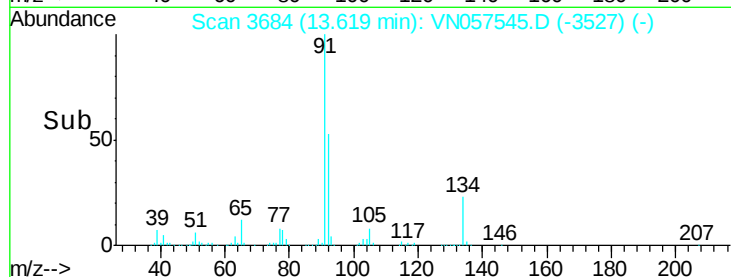
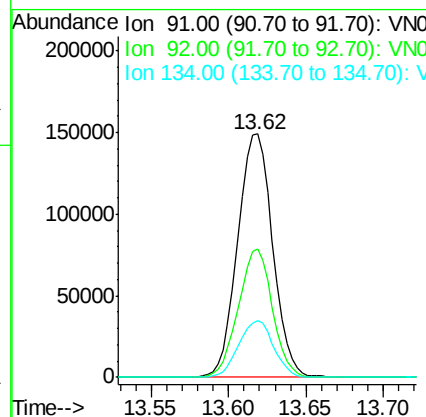
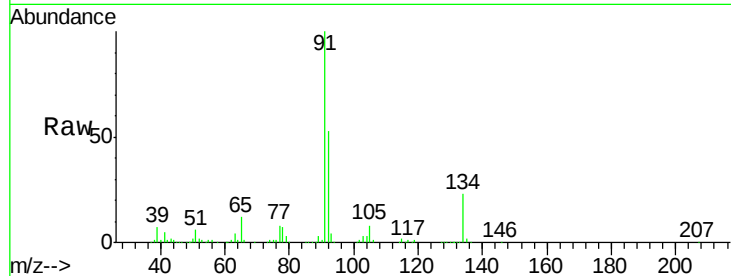




#85
n-Butylbenzene
Concen: 17.971 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

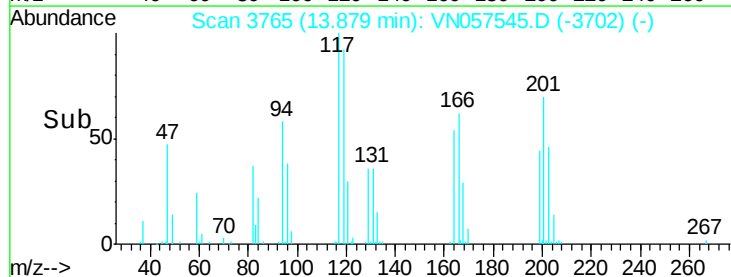
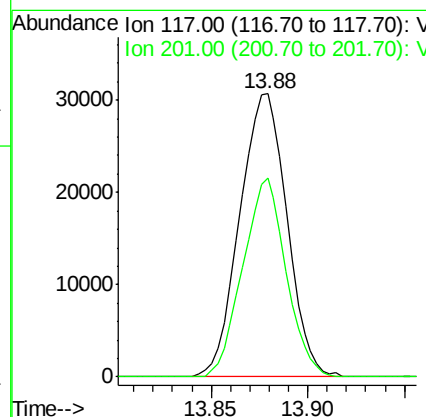
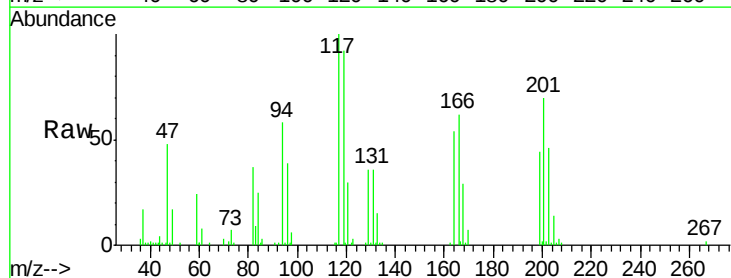
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

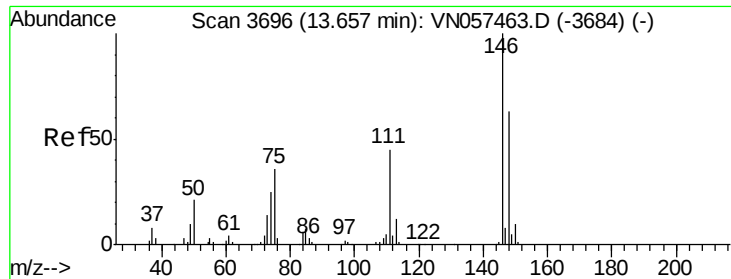
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	0.0	105.6
134	23.3	0.0	46.0



#86
Hexachloroethane
Concen: 17.295 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057545.D
Acq: 27 Aug 2019 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	34.0	101.8

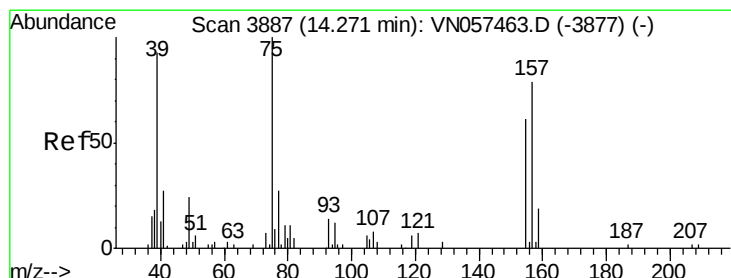
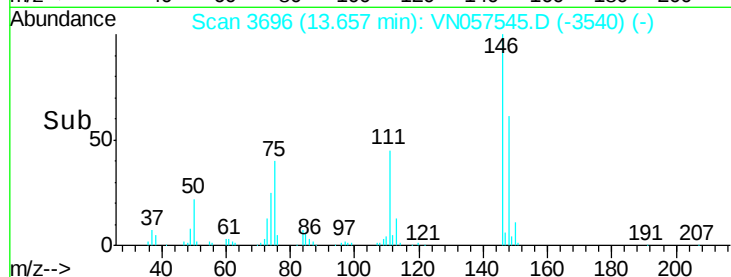
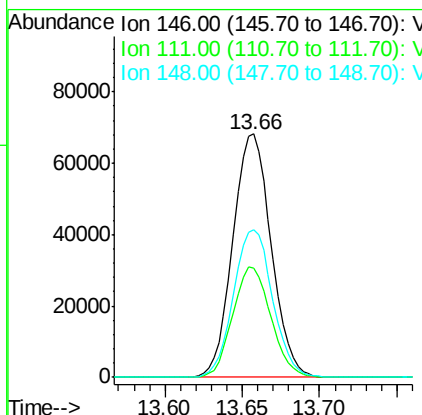
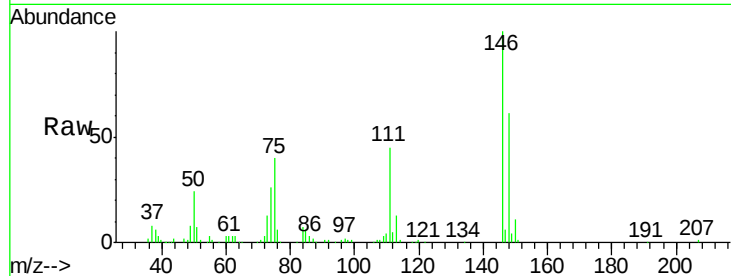




#87
 1,2-Dichlorobenzene
 Concen: 19.656 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

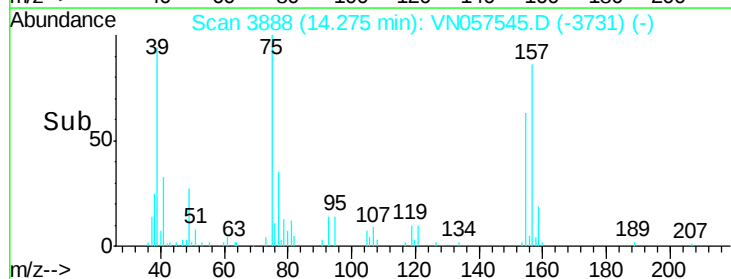
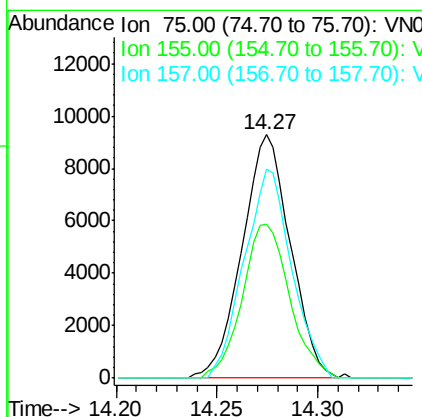
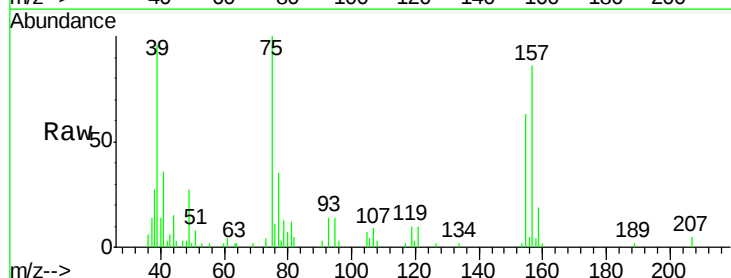
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

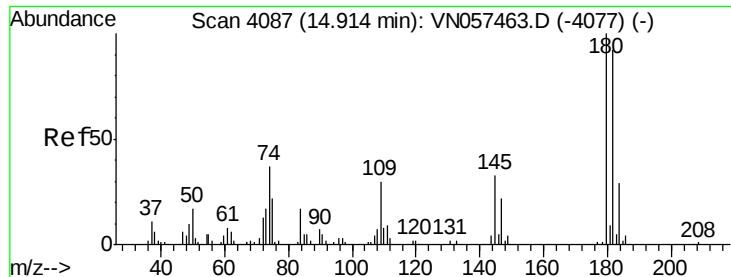
Tot Ion:146 Resp: 117504
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.5 67.5
 148 62.0 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.575 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion: 75 Resp: 15540
 Ion Ratio Lower Upper
 75 100
 155 61.9 53.7 80.5
 157 84.2 63.5 95.3

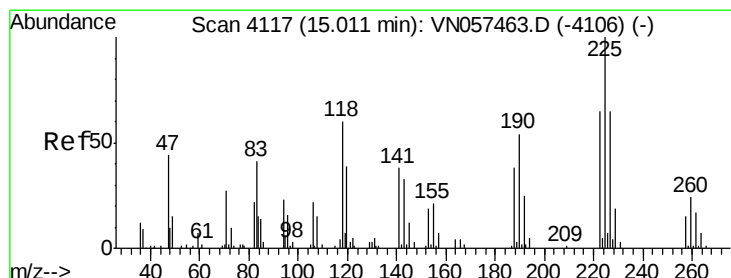
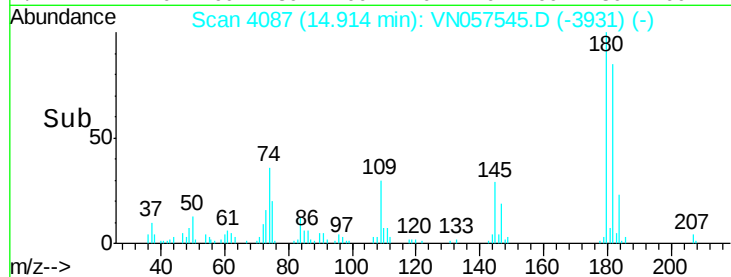
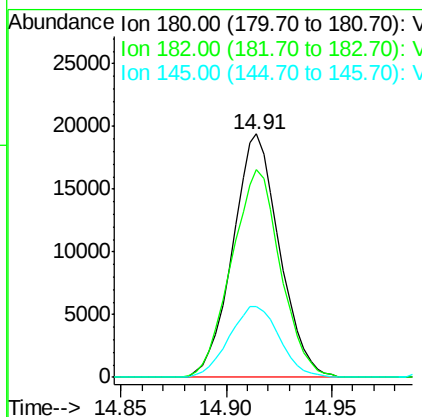
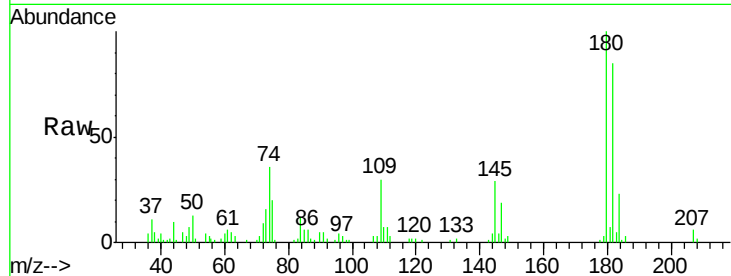




#89
 1,2,4-Trichlorobenzene
 Concen: 13.299 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

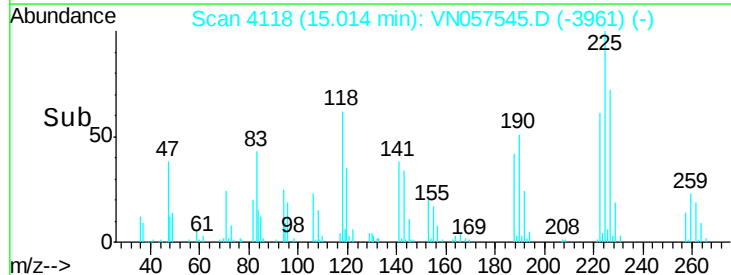
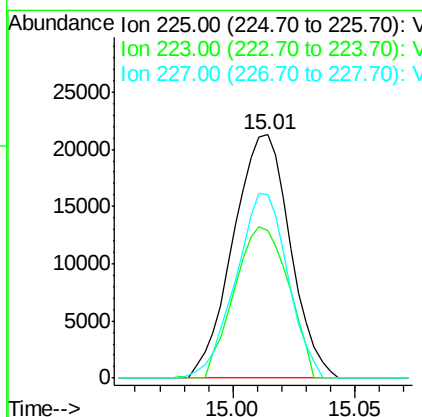
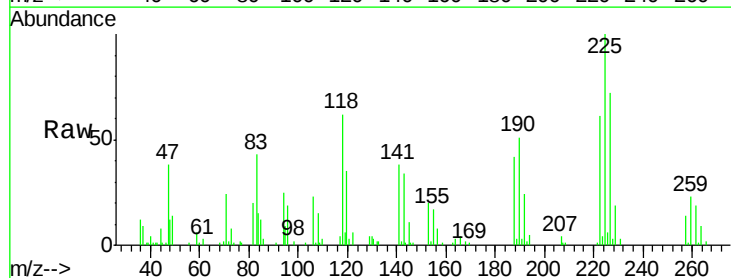
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

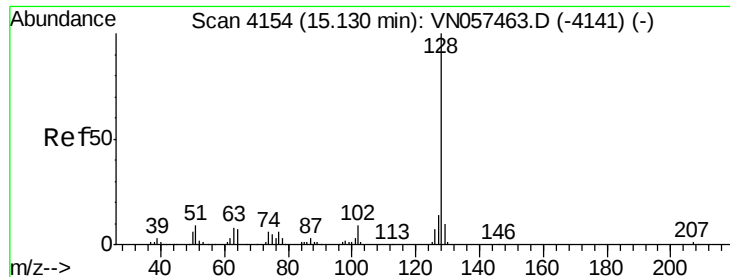
Tot Ion:180 Resp: 29790
 Ion Ratio Lower Upper
 180 100
 182 89.5 75.4 113.2
 145 31.6 26.9 40.3



#90
 Hexachlorobutadiene
 Concen: 20.031 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057545.D
 Acq: 27 Aug 2019 10:44

Tgt Ion:225 Resp: 34497
 Ion Ratio Lower Upper
 225 100
 223 59.0 0.0 123.6
 227 68.9 0.0 126.6





#91

Naphthalene

Concen: 18.628 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

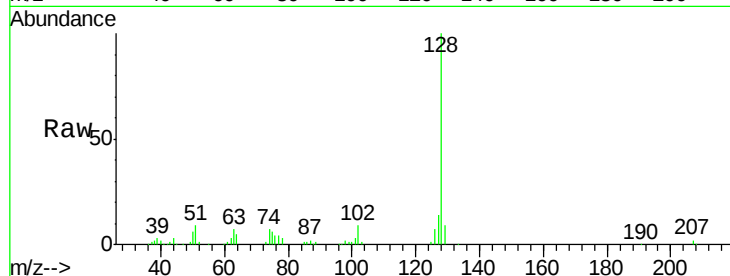
Tot Ion:128 Resp: 95981

Ion Ratio Lower Upper

128 100

127 13.9 10.1 15.1

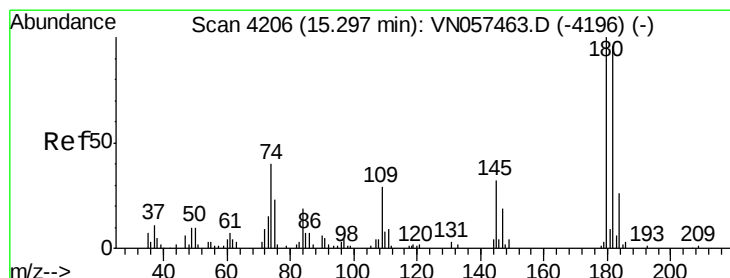
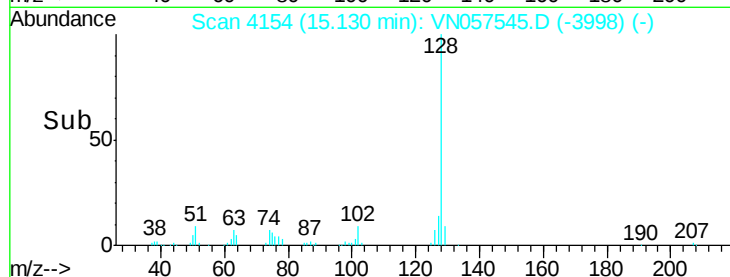
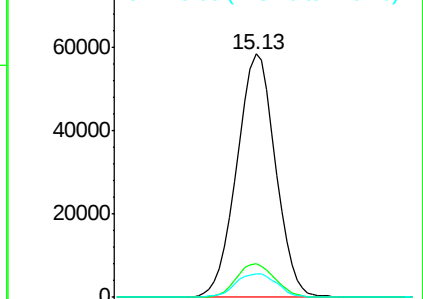
129 10.5 8.6 13.0



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: 12.670 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057545.D

Acq: 27 Aug 2019 10:44

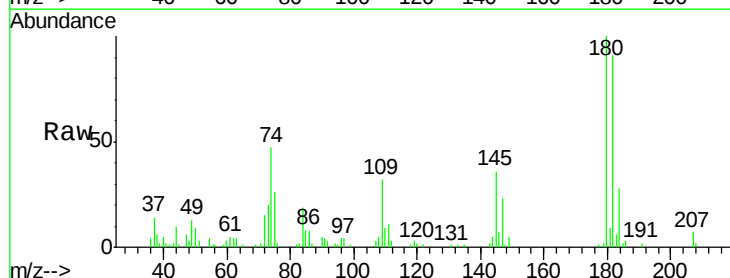
Tgt Ion:180 Resp: 28381

Ion Ratio Lower Upper

180 100

182 96.3 0.0 187.0

145 35.8 0.0 64.4



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

