

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057663.D
 Acq On : 3 Sep 2019 15:14
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Sep 04 01:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	353932	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	304724	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187870	39.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.43%
60) 4-Bromofluorobenzene	12.40	95	144637	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.08	98	451766	31.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.63%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	78496	24.599 ug/l	100
3) Chloromethane	2.05	50	86041	28.724 ug/l	100
4) Vinyl Chloride	2.18	62	70561	17.651 ug/l	100
5) Bromomethane	2.54	94	45478	13.041 ug/l	100
6) Chloroethane	2.69	64	51607	18.938 ug/l	100
7) Trichlorofluoromethane	3.01	101	130540	15.353 ug/l	100
8) Diethyl Ether	3.40	74	45111	16.340 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69190	13.935 ug/l	100
10) 1,1-Dichloroethene	3.73	96	63065	13.701 ug/l	100
11) Methyl Iodide	3.94	142	83081	10.754 ug/l	100
12) Methyl Acetate	4.31	43	95047	30.361 ug/l	100
13) Acrolein	3.59	56	28075	84.099 ug/l	100
14) Acrylonitrile	4.97	53	171146	143.844 ug/l	100
15) Acetone	3.80	58	46437	86.107 ug/l	98
16) Carbon Disulfide	4.04	76	150770	26.393 ug/l	100
17) Allyl chloride	4.31	41	125594	30.529 ug/l	100
18) Methylene Chloride	4.54	84	77622	25.203 ug/l	100
19) trans-1,2-Dichloroethene	5.02	96	66750	22.458 ug/l	100
20) Diisopropyl ether	5.93	45	298092	30.436 ug/l	100
21) 1,1-Dichloroethane	5.83	63	153003	26.110 ug/l	100
22) cis-1,2-Dichloroethene	6.82	96	83694	21.322 ug/l	100
23) tert-Butyl Alcohol	4.75	59	59449	137.473 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	251482	25.357 ug/l	100
25) Chloroform	7.36	83	157632	22.913 ug/l	100
26) Cyclohexane	7.64	56	128964	26.370 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	110194	22.401 ug/l	100
30) 2-Butanone	6.81	43	255402	147.484 ug/l	100
31) 2,2-Dichloropropane	6.81	77	131075	22.244 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	132011	20.454 ug/l	100
33) Carbon Tetrachloride	7.76	117	105108	19.356 ug/l	100
34) Benzene	8.03	78	316345	21.674 ug/l	100
35) Methacrylonitrile	7.15	41	42441	25.617 ug/l	100
36) 1,2-Dichloroethane	8.11	62	137086	24.656 ug/l	# 100
37) Trichloroethene	8.83	130	73801	18.159 ug/l	100
38) Methylcyclohexane	9.07	83	119482	20.486 ug/l	100
39) 1,2-Dichloropropane	9.11	63	86647	23.591 ug/l	100
40) Dibromomethane	9.20	93	54728	20.247 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115121	20.601	ug/l	100
42) Vinyl Acetate	5.87	43	1186359	152.687	ug/l	100
43) Ethyl Acetate	6.91	43	100473	29.874	ug/l	100
44) Isopropyl Acetate	8.15	43	196192	29.271	ug/l	100
45) 1,4-Dioxane	9.19	88	25629	475.324	ug/l	100
46) Methyl methacrylate	9.19	41	92342	29.712	ug/l	100
47) n-amyl Acetate	12.07	43	136839	25.630	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	120425	21.331	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	130749	21.468	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	74378	19.265	ug/l	100
51) Ethyl methacrylate	10.43	69	114891	22.008	ug/l	100
52) 1,3-Dichloropropane	10.70	76	132984	21.643	ug/l	100
53) Dibromochloromethane	10.90	129	71570	16.795	ug/l	100
54) 1,2-Dibromoethane	11.00	107	72363	18.248	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	169405	125.618	ug/l	100
56) Bromoform	12.13	173	41980	15.216	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	551543	157.915	ug/l	100
59) 2-Hexanone	10.75	43	358012	148.347	ug/l	100
61) Tetrachloroethene	10.63	164	71804	18.798	ug/l	100
62) Toluene	10.15	91	336583	21.682	ug/l	100
64) Chlorobenzene	11.43	112	188462	19.185	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	68332	17.674	ug/l	100
66) Ethyl Benzene	11.51	91	374496	22.320	ug/l	100
67) m/p-Xylenes	11.62	106	252630	38.476	ug/l	100
68) o-Xylene	11.95	106	125982	19.067	ug/l	100
69) Styrene	11.96	104	192768	18.515	ug/l	100
70) Isopropylbenzene	12.25	105	353626	21.297	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	93166	20.751	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	117954	30.595	ug/l	62
73) Bromobenzene	12.53	156	68544	16.506	ug/l	100
74) n-propylbenzene	12.59	91	369219	21.462	ug/l	100
75) 2-Chlorotoluene	12.68	91	232060	20.717	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	276922	19.877	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22336	18.266	ug/l	100
78) 4-Chlorotoluene	12.77	91	205560	19.375	ug/l	100
79) tert-butylbenzene	12.99	119	239874	18.947	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	260015	19.926	ug/l	100
81) sec-Butylbenzene	13.17	105	305287	19.826	ug/l	100
82) p-Isopropyltoluene	13.29	119	252494	18.659	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	96168	14.492	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	88576	13.971	ug/l	100
85) n-Butylbenzene	13.62	91	225650	20.563	ug/l	100
86) Hexachloroethane	13.88	117	45714	17.411	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	90854	14.417	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9605	14.935	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	18572	8.067	ug/l	100
90) Hexachlorobutadiene	15.01	225	38751	18.506	ug/l	100
91) Naphthalene	15.13	128	45281	7.214	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	18304	8.052	ug/l	100

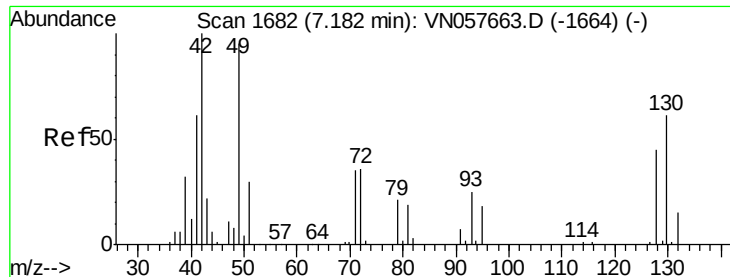
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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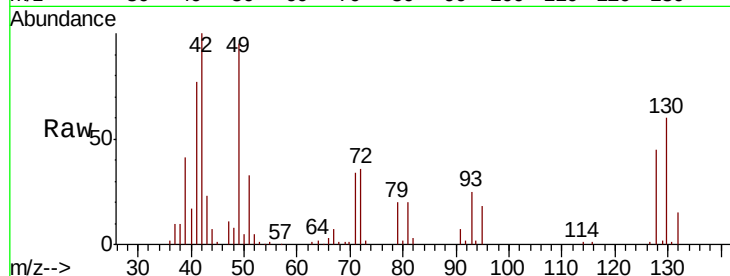
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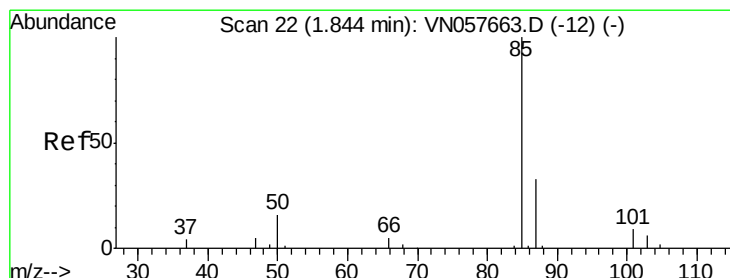
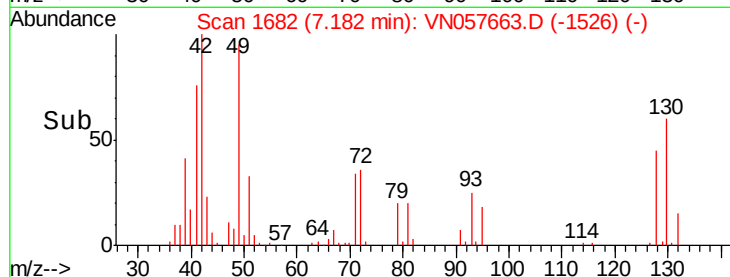
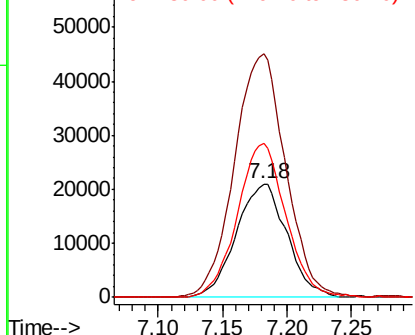
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tgt Ion:128 Resp: 57304
 Ion Ratio Lower Upper
 128 100
 49 217.8 0.0 544.5
 130 129.9 0.0 324.7

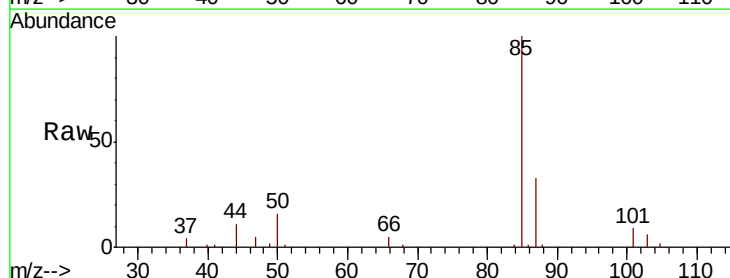


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

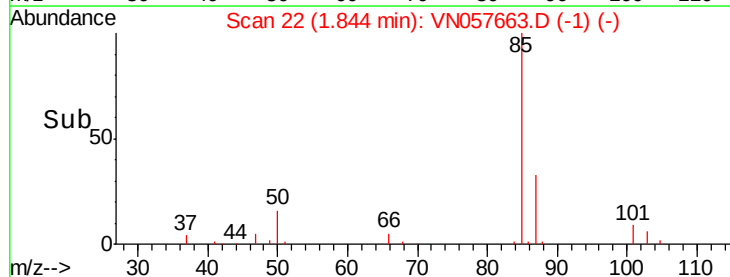
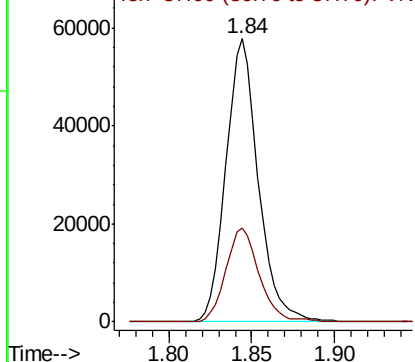


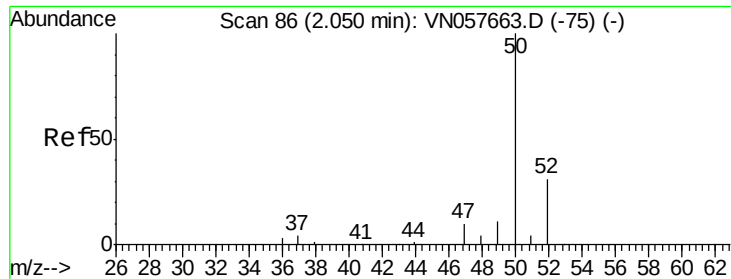
#2
 Dichlorodifluoromethane
 Concen: 24.599 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 85 Resp: 78496
 Ion Ratio Lower Upper
 85 100
 87 33.1 16.6 49.7



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





#3

Chloromethane

Concen: 28.724 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

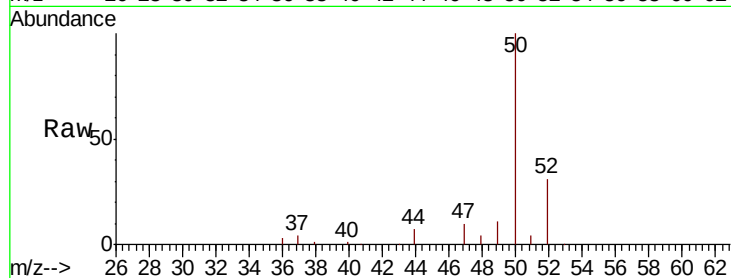
VSTDICCC020

Tgt Ion: 50 Resp: 86041

Ion Ratio Lower Upper

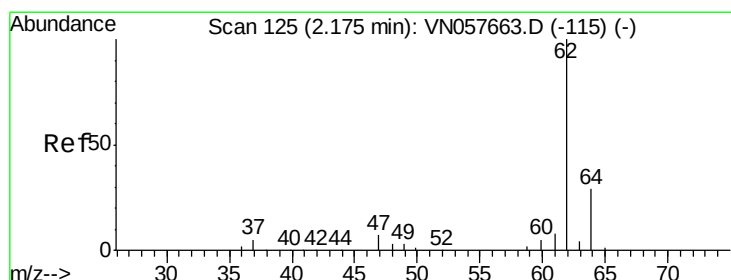
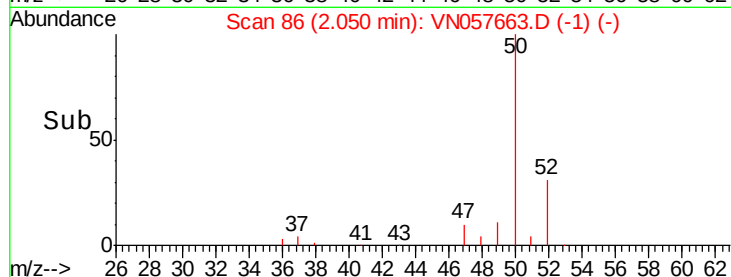
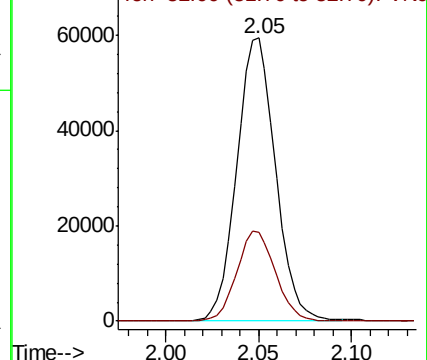
50 100

52 31.5 25.2 37.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.651 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN057663.D

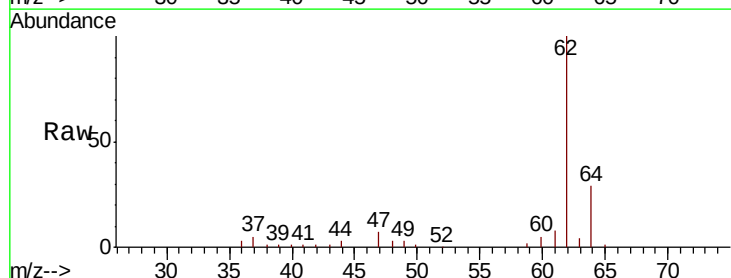
Acq: 3 Sep 2019 15:14

Tgt Ion: 62 Resp: 70561

Ion Ratio Lower Upper

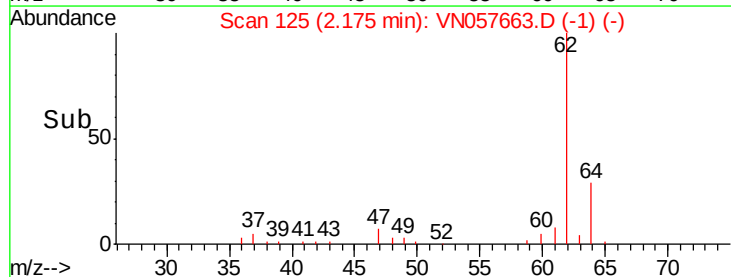
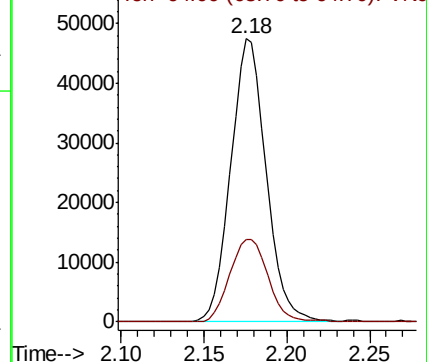
62 100

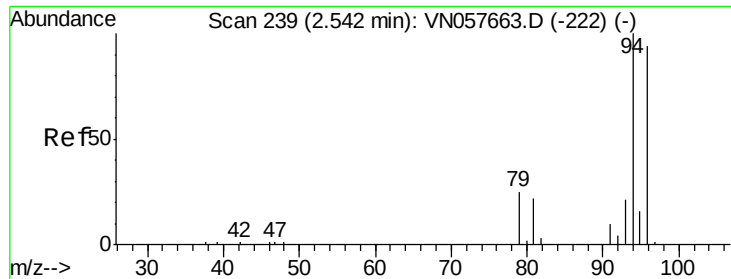
64 29.0 23.2 34.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

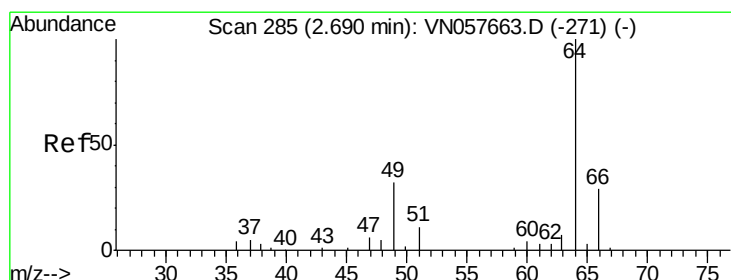
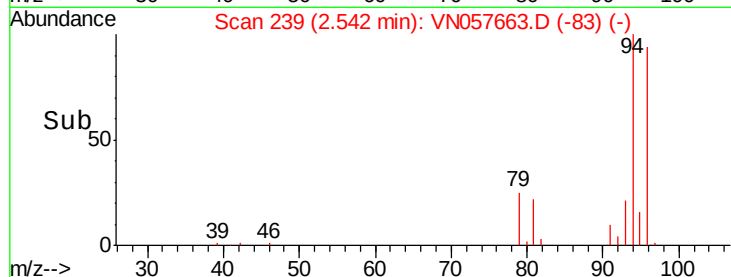
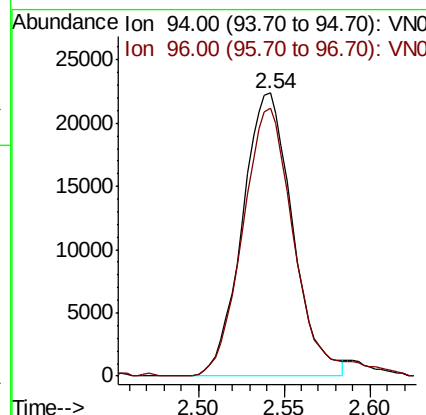
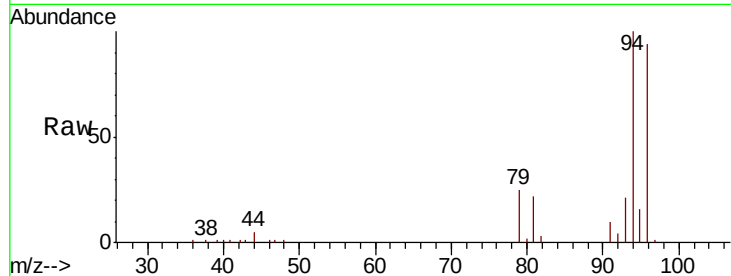




#5
Bromomethane
Concen: 13.041 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

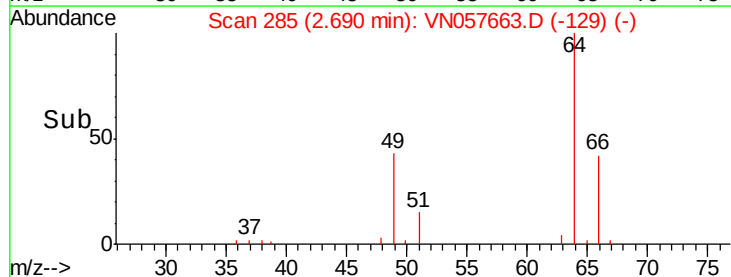
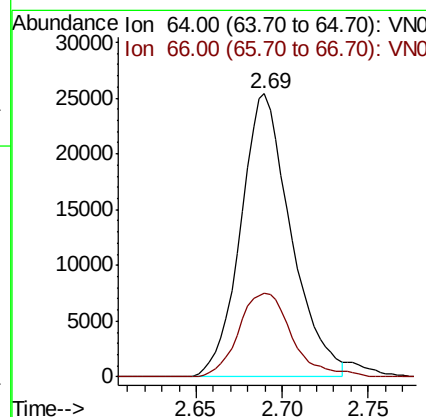
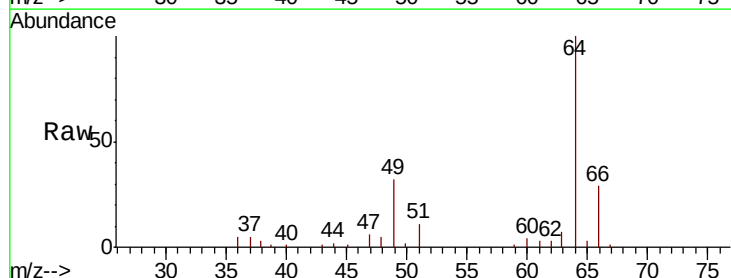
Instrument :
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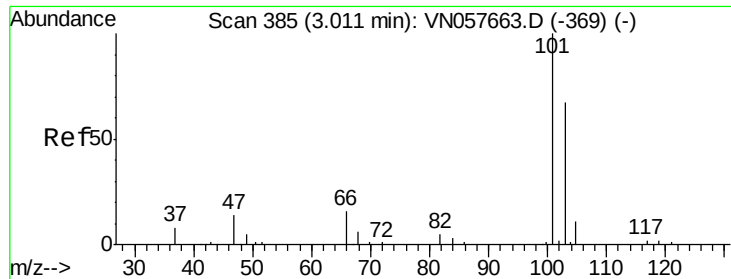
Tgt Ion: 94 Resp: 45478
Ion Ratio Lower Upper
94 100
96 94.5 75.6 113.4



#6
Chloroethane
Concen: 18.938 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 64 Resp: 51607
Ion Ratio Lower Upper
64 100
66 29.4 23.5 35.3



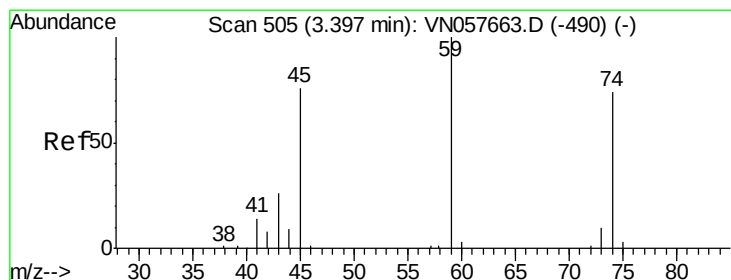
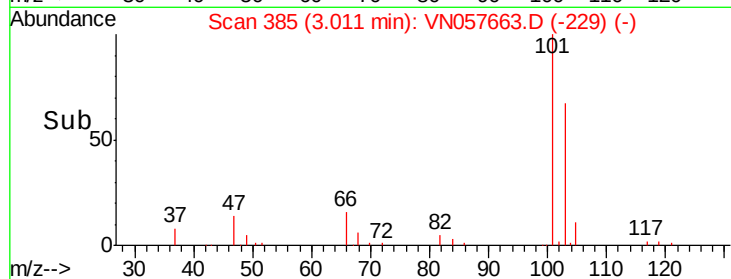
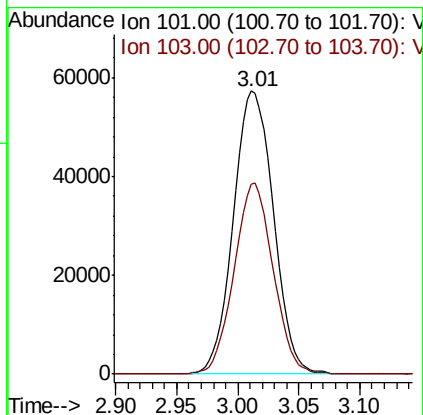
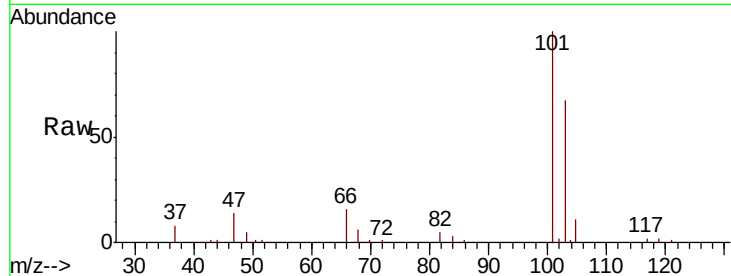


#7

Trichlorofluoromethane
 Concen: 15.353 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

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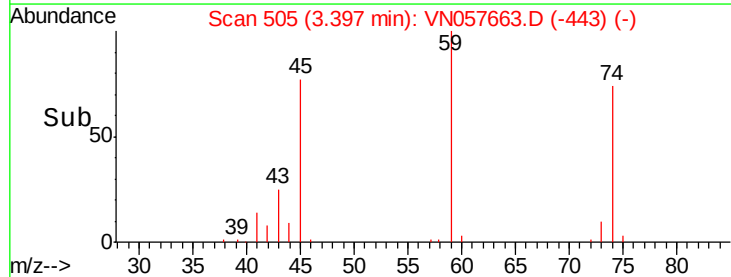
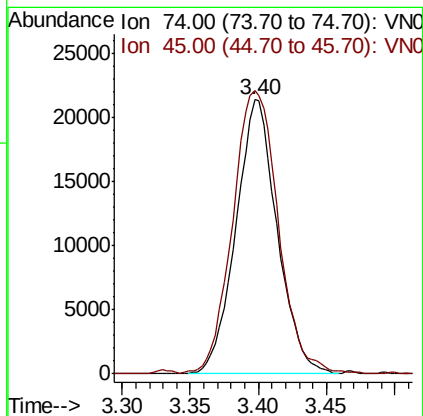
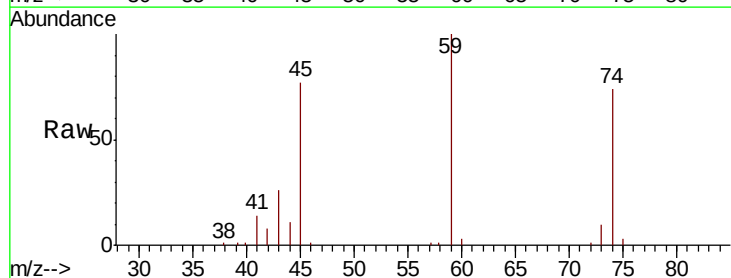
Tgt Ion: 101 Resp: 130540
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.6 80.4

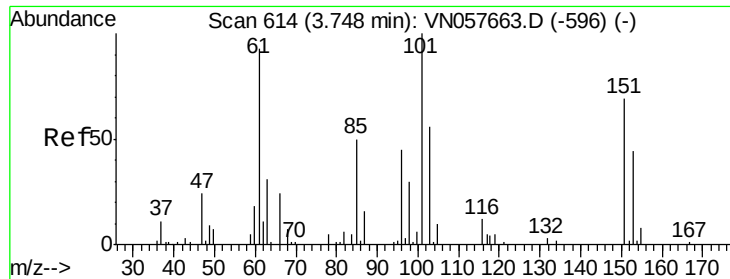


#8

Diethyl Ether
 Concen: 16.340 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 74 Resp: 45111
 Ion Ratio Lower Upper
 74 100
 45 114.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.935 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

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VSTDICCC020

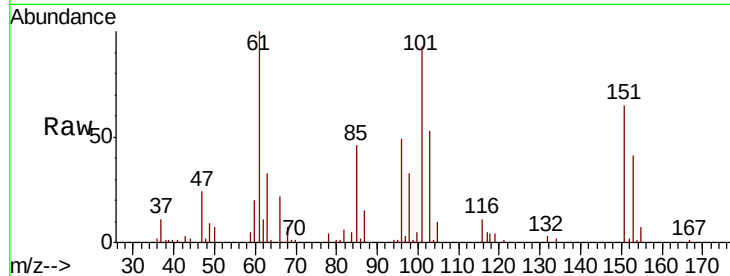
Tgt Ion: 101 Resp: 69190

Ion Ratio Lower Upper

101 100

85 50.1 0.0 100.2

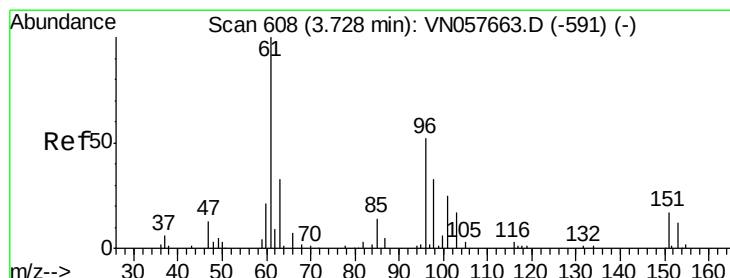
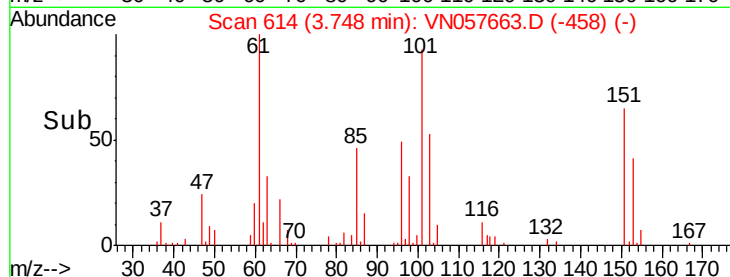
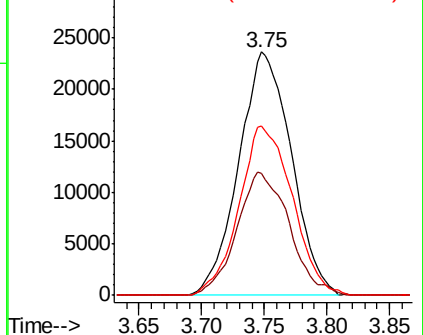
151 70.3 0.0 140.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 13.701 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

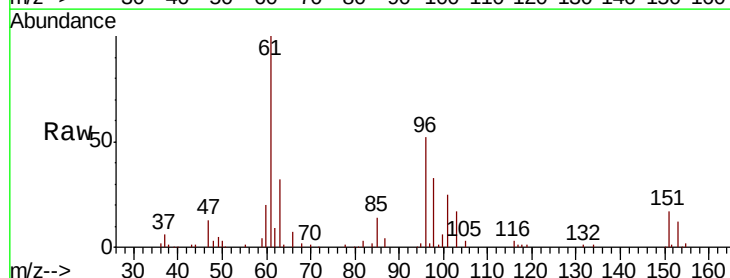
Tgt Ion: 96 Resp: 63065

Ion Ratio Lower Upper

96 100

61 191.1 152.9 229.3

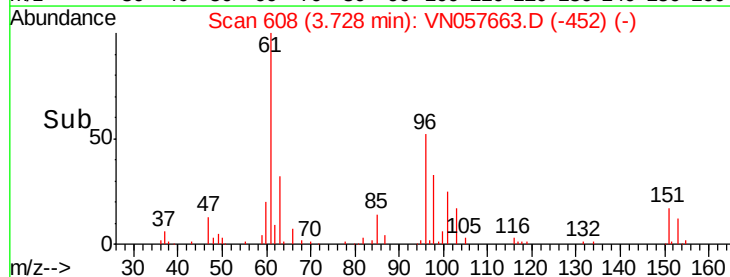
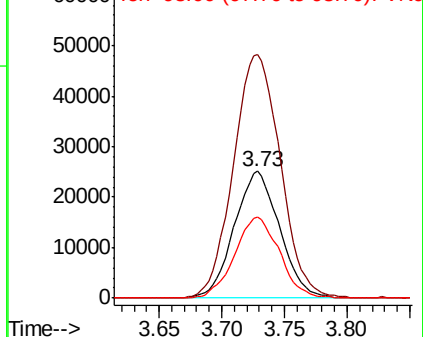
98 63.7 51.0 76.4

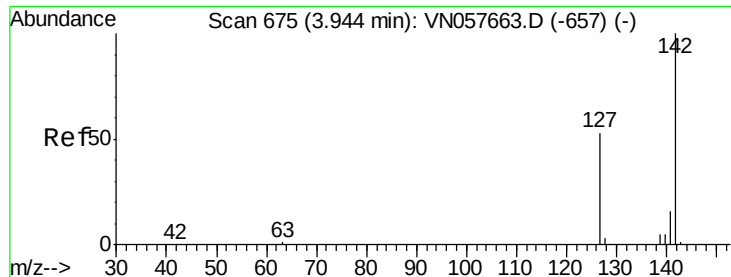


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

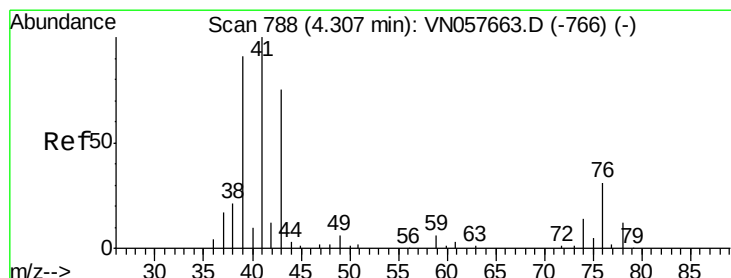
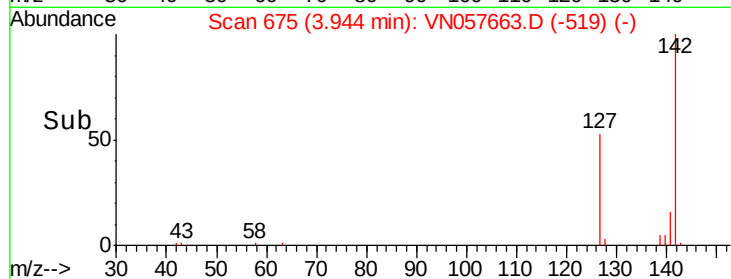
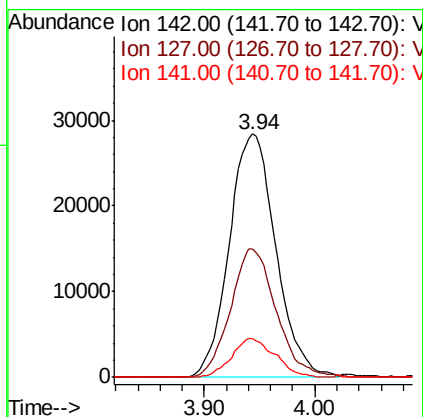
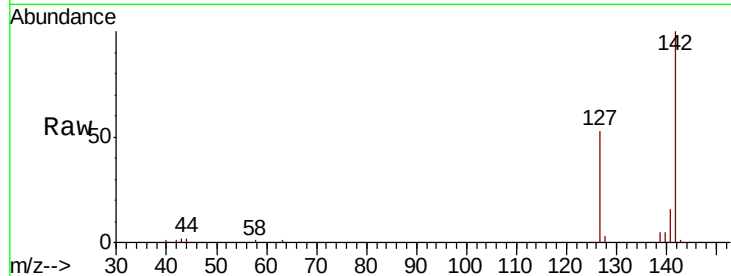




#11
Methyl Iodide
Concen: 10.754 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

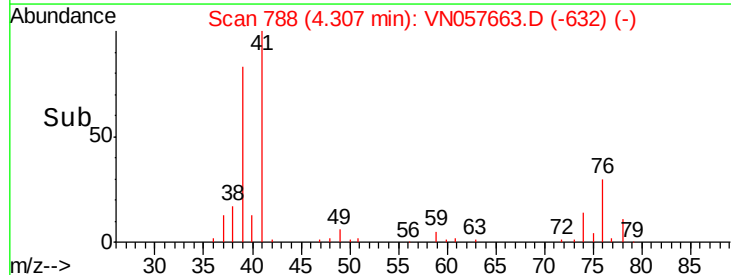
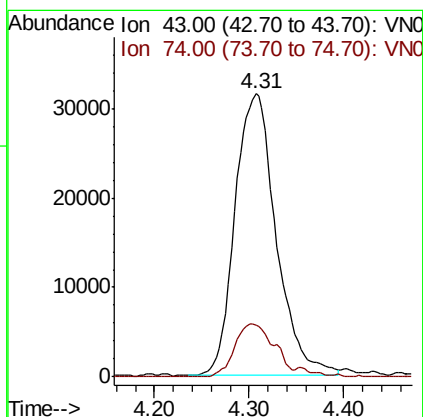
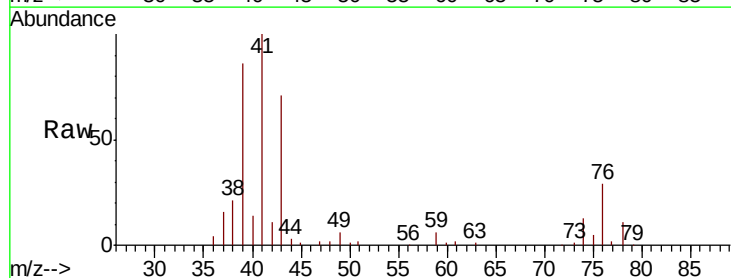
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

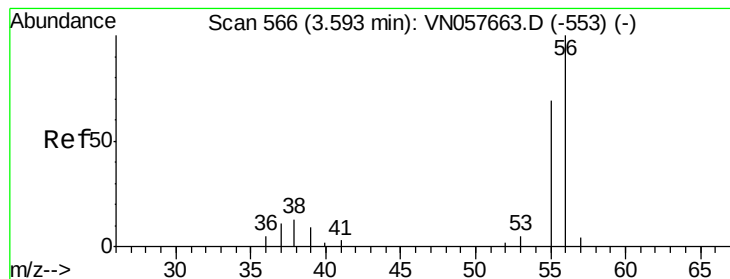
Tgt Ion:142 Resp: 83081
Ion Ratio Lower Upper
142 100
127 52.3 26.2 78.5
141 15.3 7.6 22.9



#12
Methyl Acetate
Concen: 30.361 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 95047
Ion Ratio Lower Upper
43 100
74 18.3 14.6 22.0





#13

Acrolein

Concen: 84.099 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

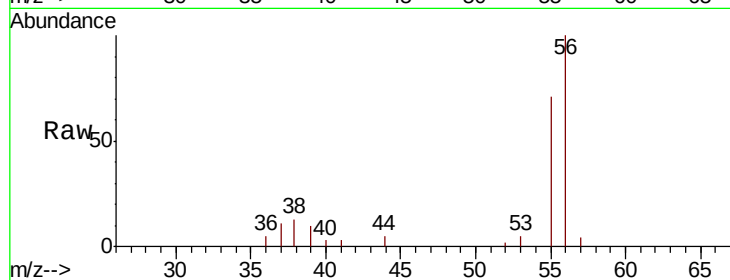
VSTDICCC020

Tgt Ion: 56 Resp: 28075

Ion Ratio Lower Upper

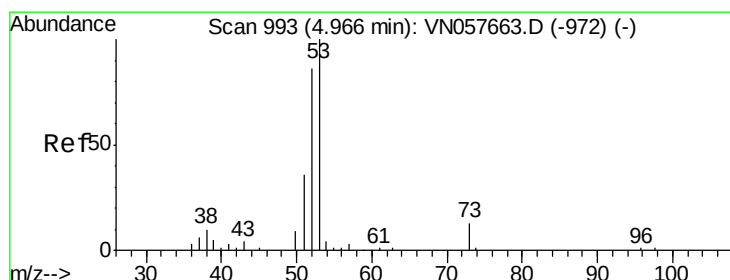
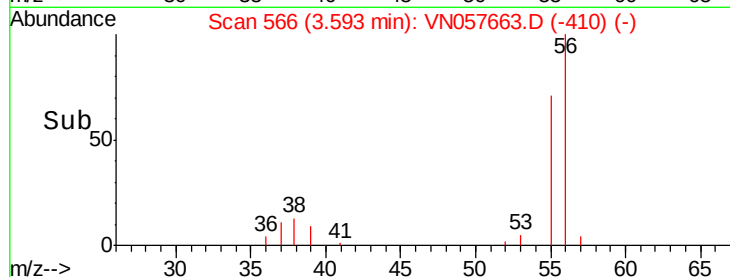
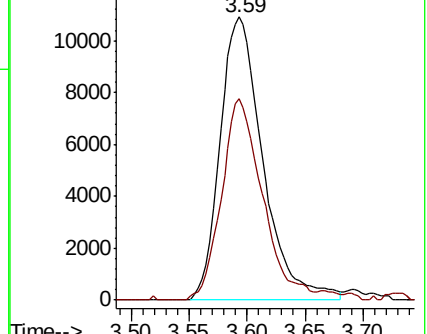
56 100

55 67.8 54.2 81.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 143.844 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

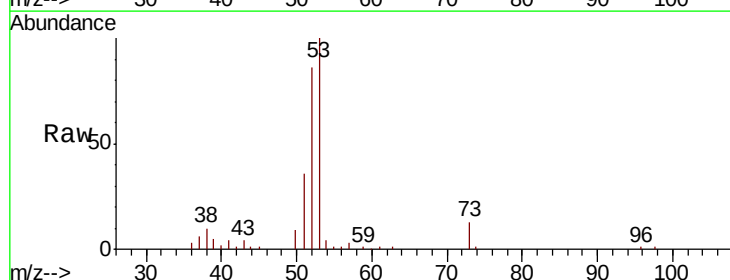
Tgt Ion: 53 Resp: 171146

Ion Ratio Lower Upper

53 100

52 83.8 41.9 125.7

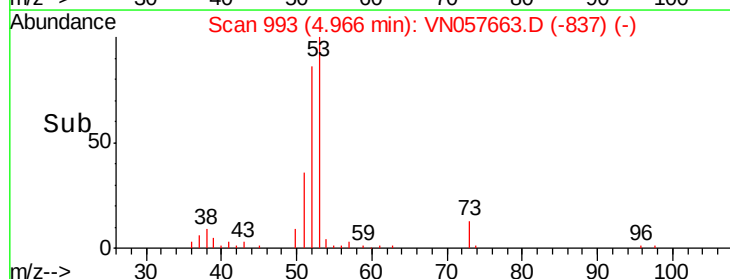
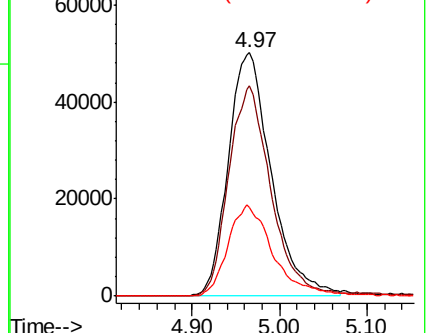
51 38.8 19.4 58.2

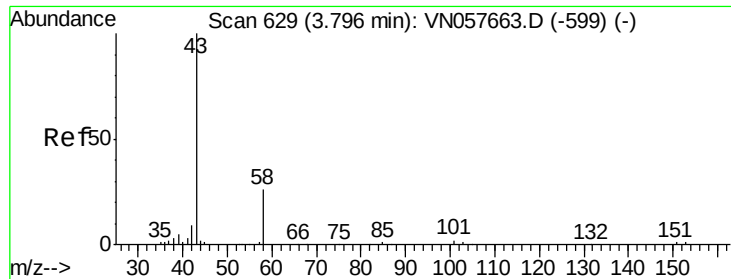


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 86.107 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

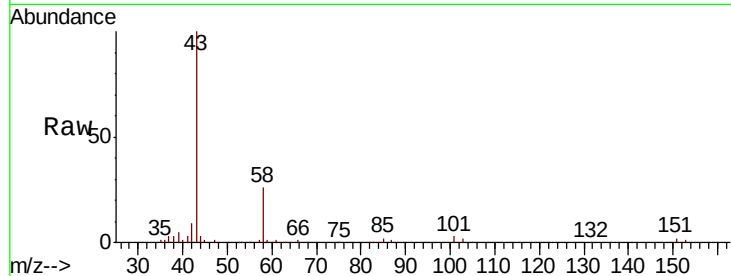
VSTDICCC020

Tgt Ion: 58 Resp: 46437

Ion Ratio Lower Upper

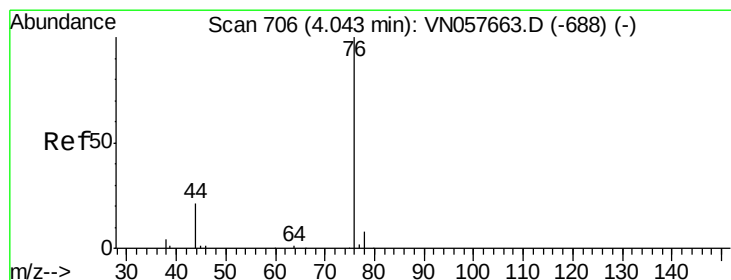
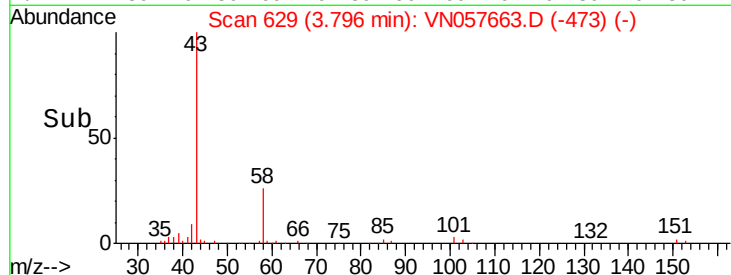
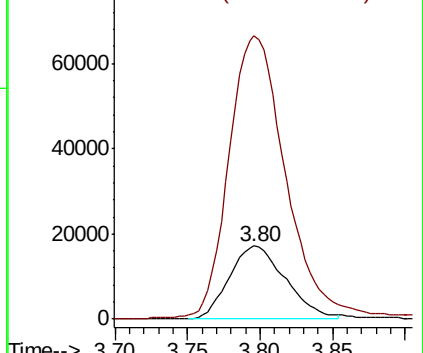
58 100

43 380.6 308.8 463.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 26.393 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN057663.D

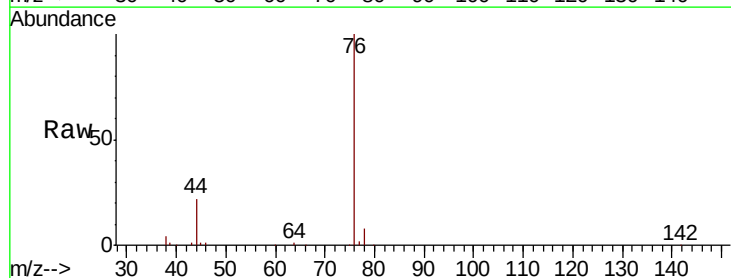
Acq: 3 Sep 2019 15:14

Tgt Ion: 76 Resp: 150770

Ion Ratio Lower Upper

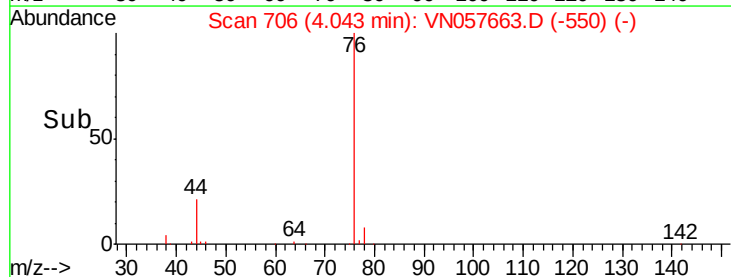
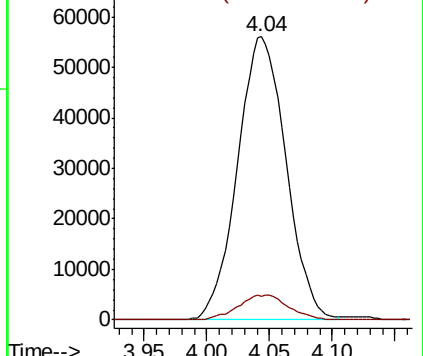
76 100

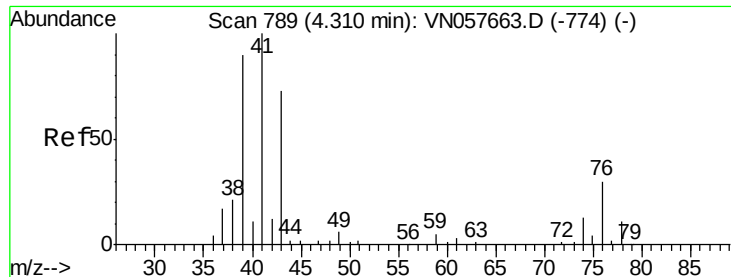
78 8.5 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

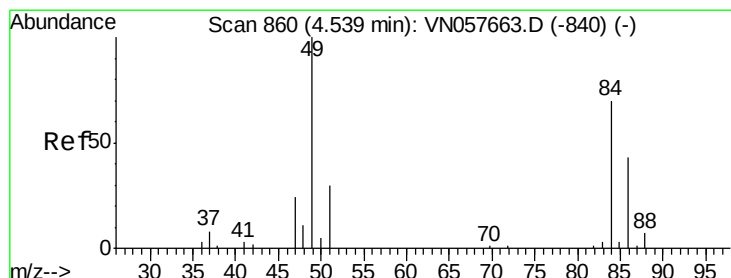
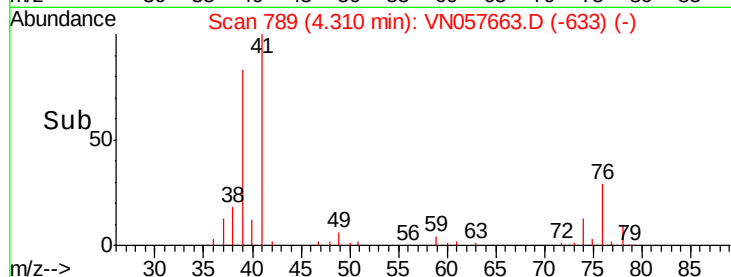
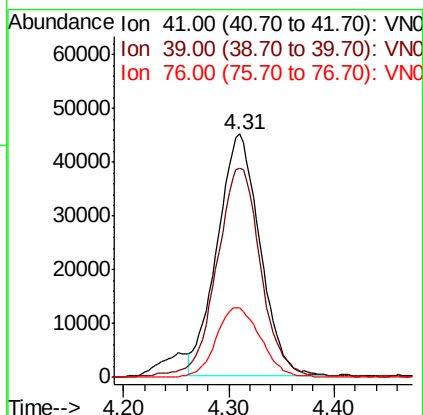
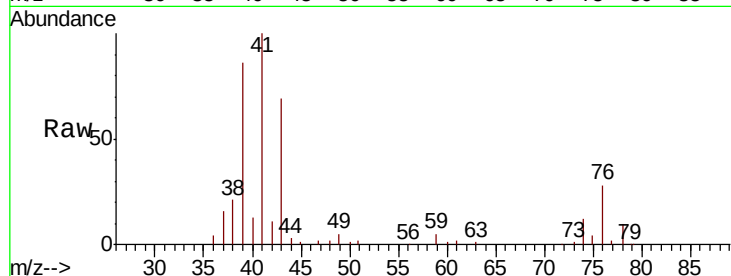




#17
 Allyl chloride
 Concen: 30.529 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

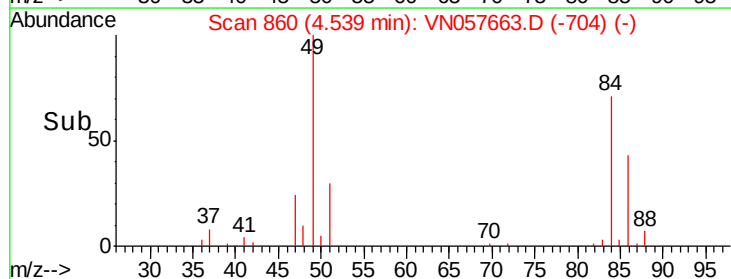
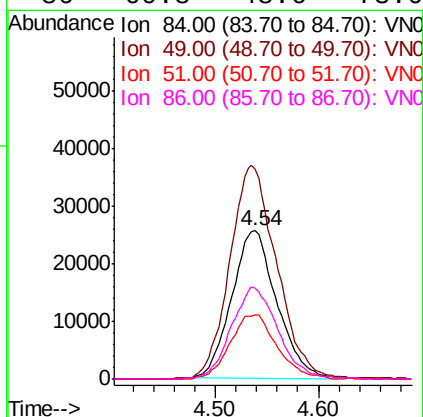
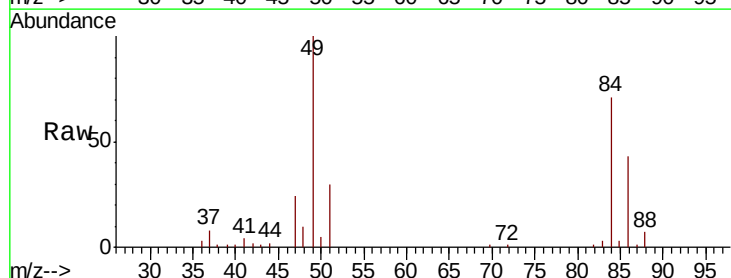
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

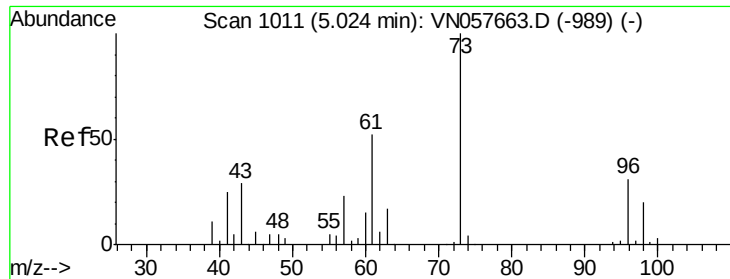
Tgt Ion: 41 Resp: 125594
 Ion Ratio Lower Upper
 41 100
 39 85.9 43.0 128.8
 76 28.5 14.2 42.8



#18
 Methylene Chloride
 Concen: 25.203 ug/l
 RT: 4.54 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 84 Resp: 77622
 Ion Ratio Lower Upper
 84 100
 49 142.1 113.7 170.5
 51 43.1 34.5 51.7
 86 60.8 48.6 73.0

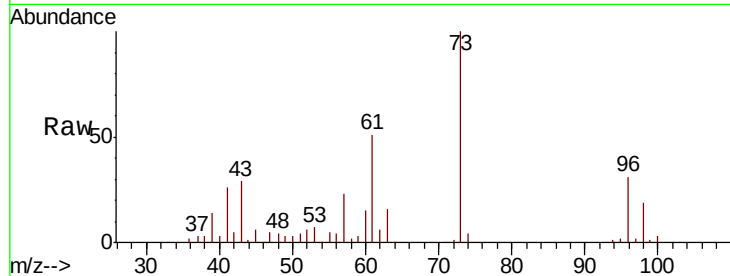




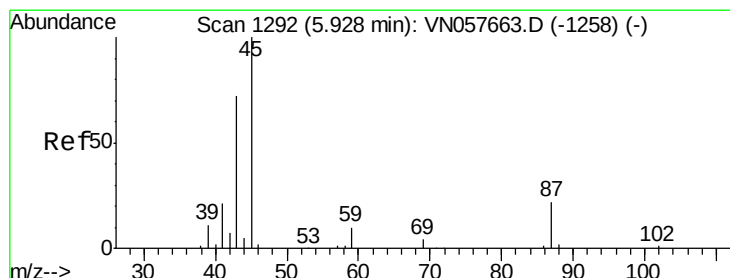
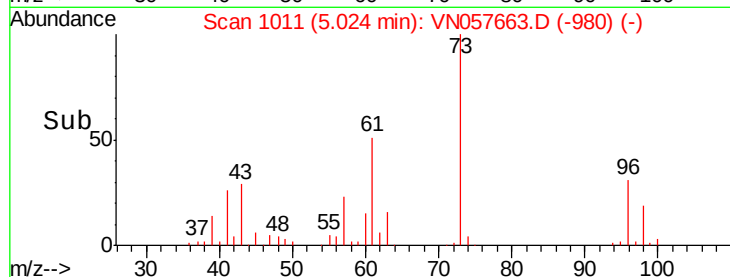
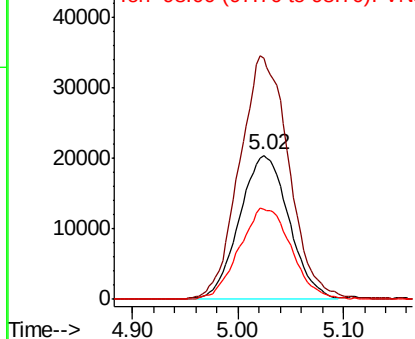
#19
trans-1,2-Dichloroethene
Concen: 22.458 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 66750
Ion Ratio Lower Upper
96 100
61 166.7 133.4 200.0
98 63.0 50.4 75.6

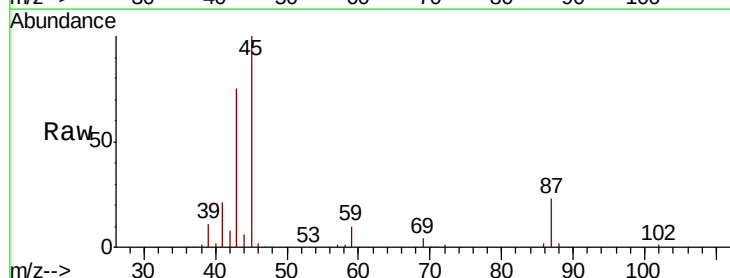


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

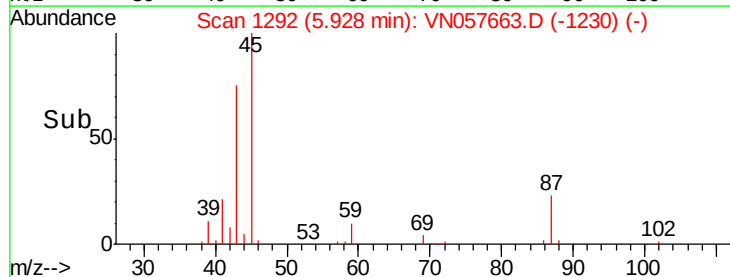
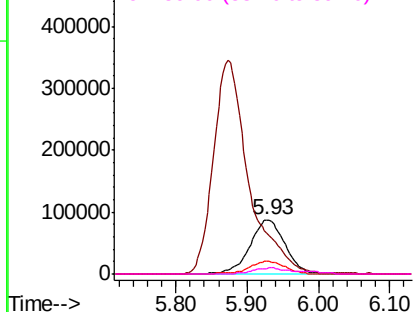


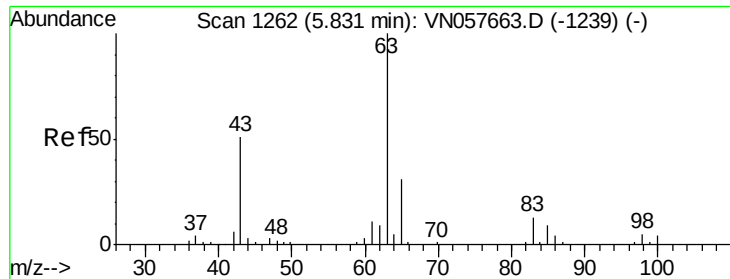
#20
Diisopropyl ether
Concen: 30.436 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 45 Resp: 298092
Ion Ratio Lower Upper
45 100
43 72.9 58.3 87.5
87 23.1 18.5 27.7
59 9.6 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

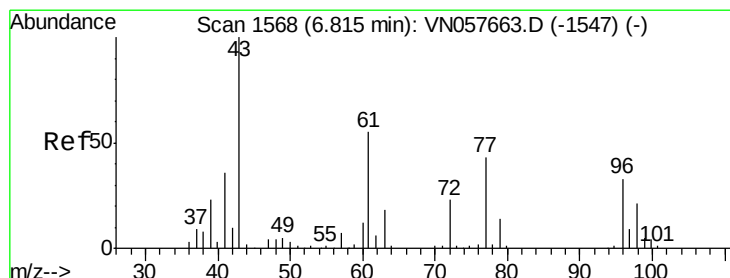
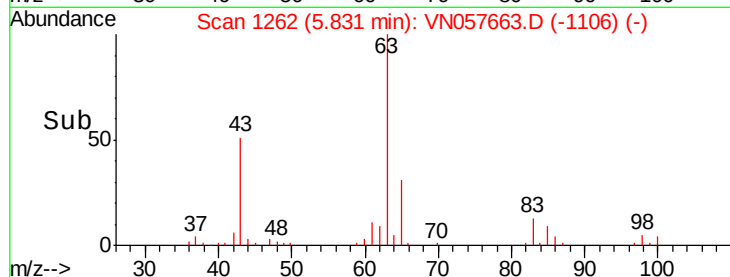
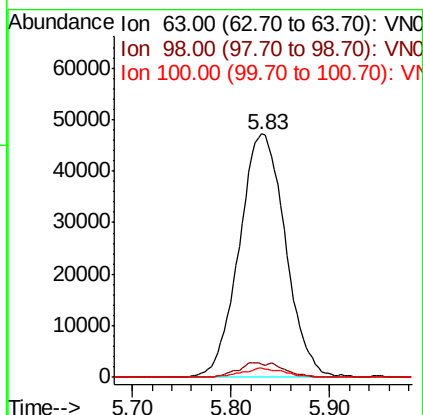
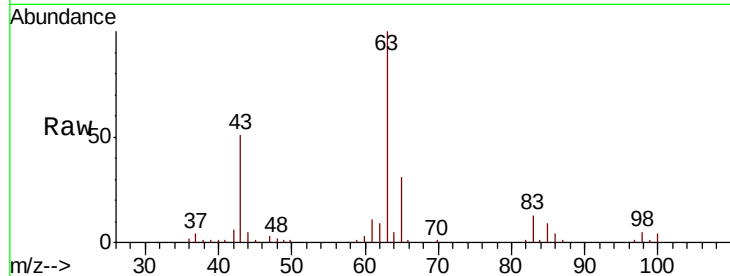




#21
 1,1-Dichloroethane
 Concen: 26.110 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

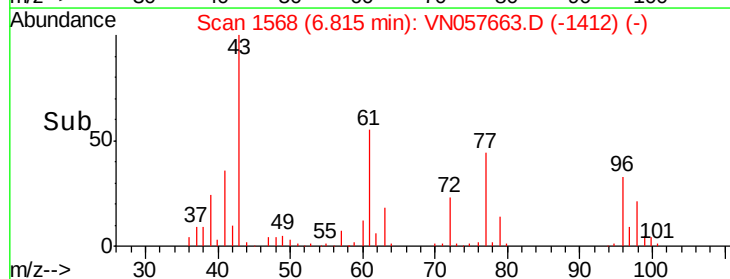
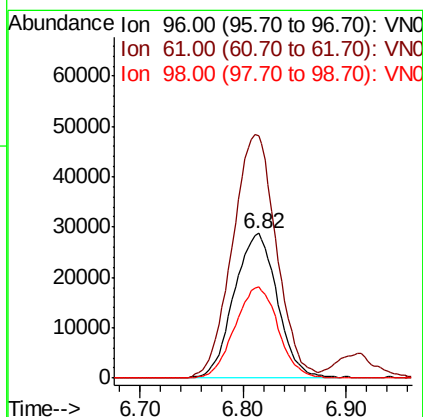
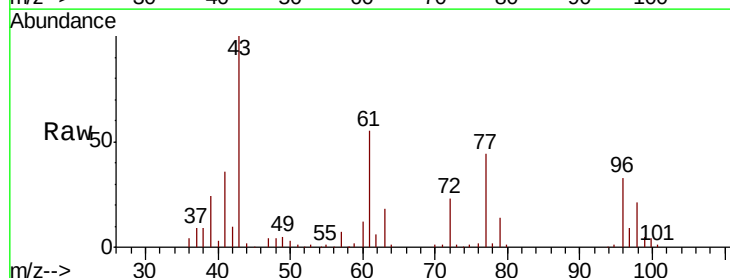
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

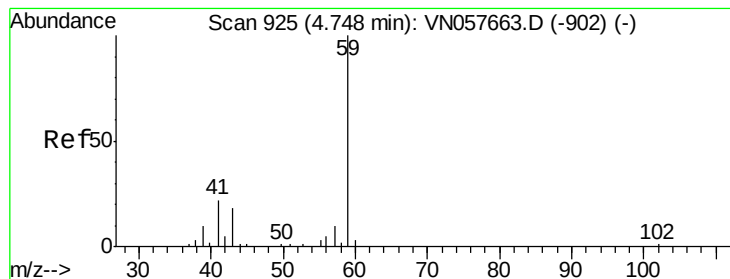
Tgt Ion: 63 Resp: 153003
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.6 7.8
 100 3.7 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 21.322 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 96 Resp: 83694
 Ion Ratio Lower Upper
 96 100
 61 171.5 137.2 205.8
 98 63.1 50.5 75.7



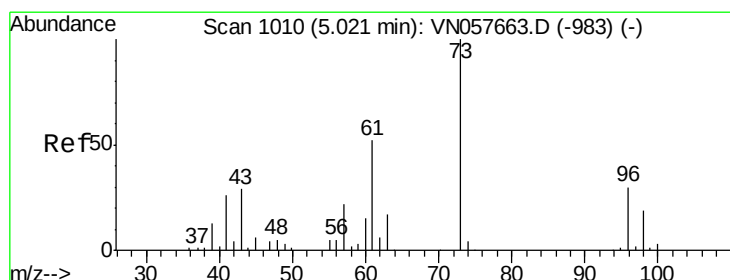
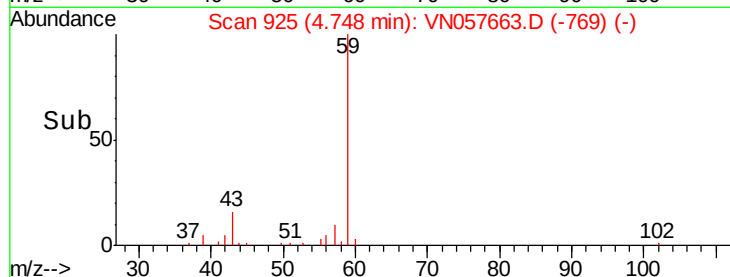
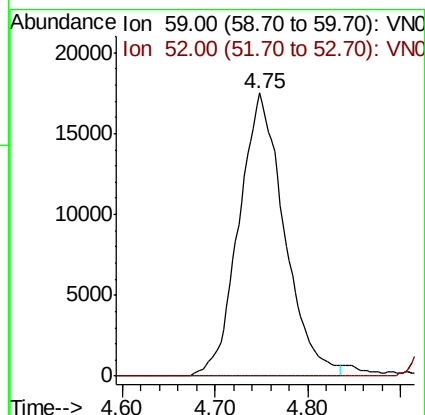
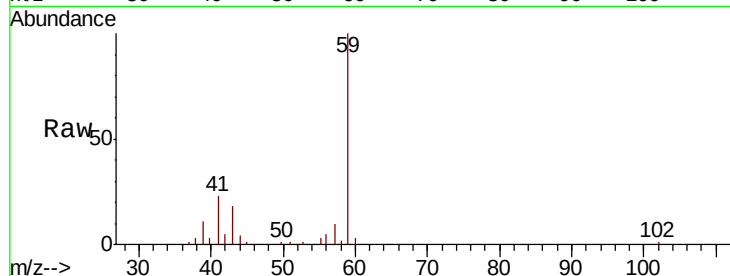


#23

tert-Butyl Alcohol
 Concen: 137.473 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

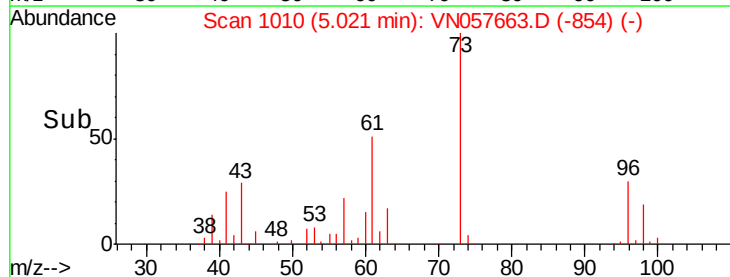
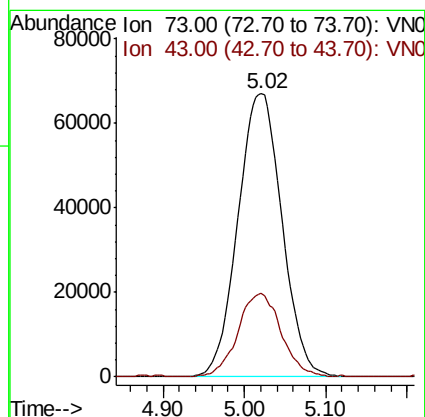
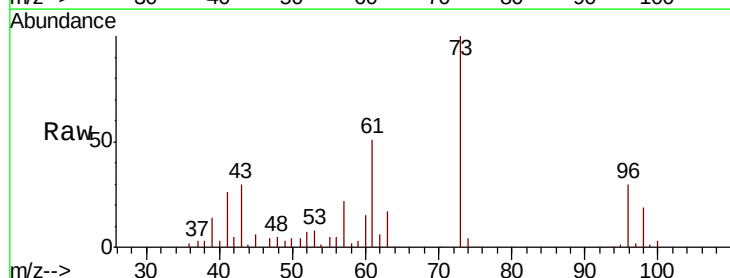
Tgt Ion: 59 Resp: 59449
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

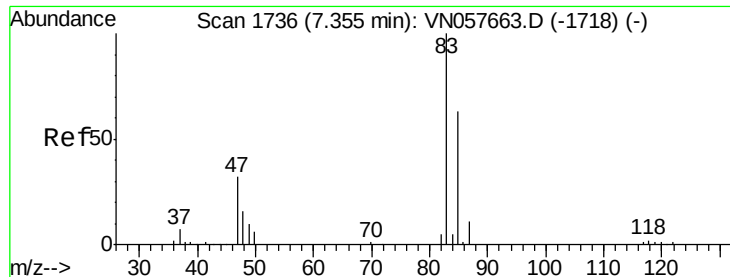


#24

Methyl tert-Butyl Ether
 Concen: 25.357 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 73 Resp: 251482
 Ion Ratio Lower Upper
 73 100
 43 29.0 23.2 34.8

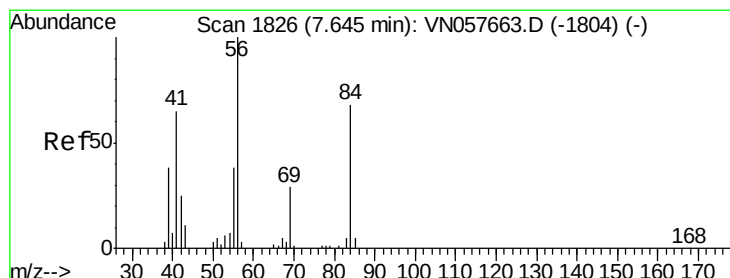
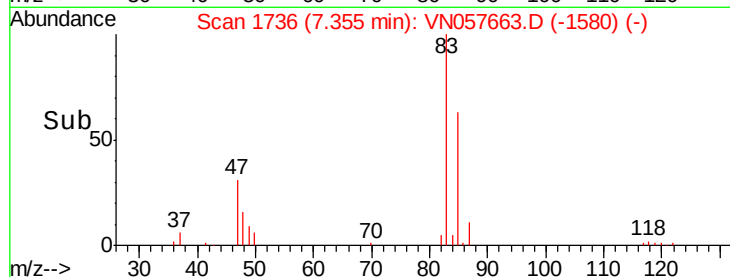
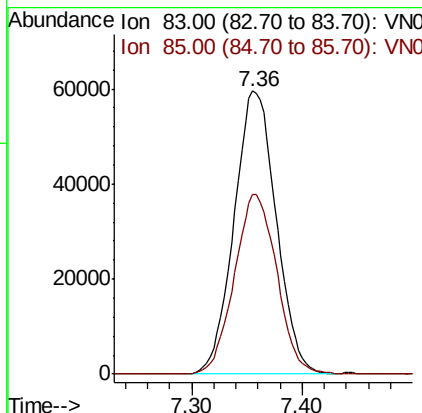
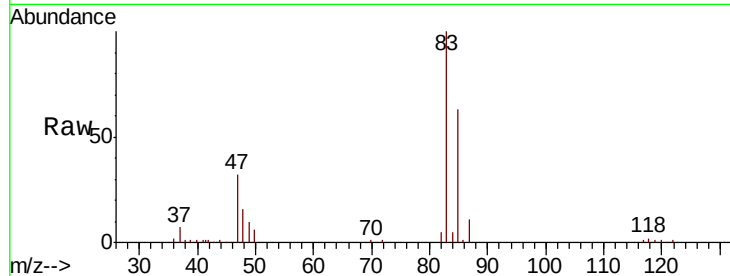




#25
Chloroform
Concen: 22.913 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

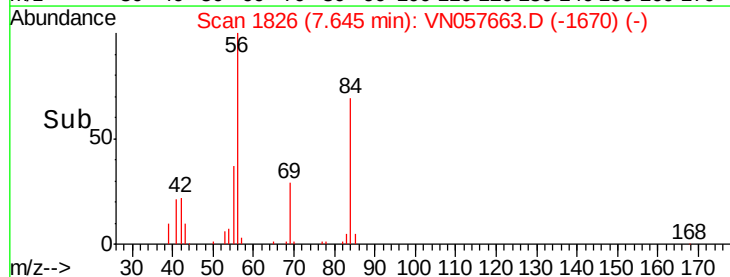
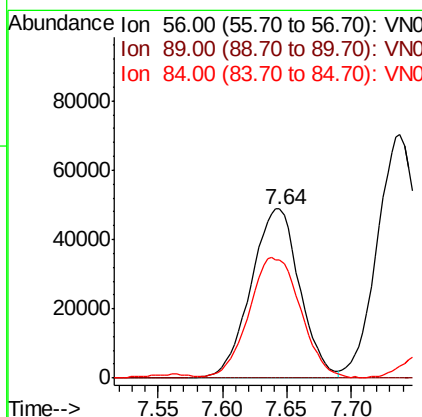
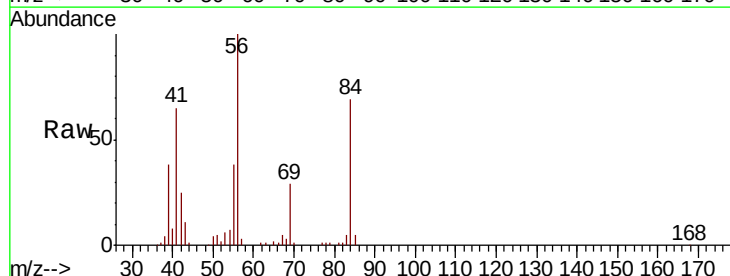
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

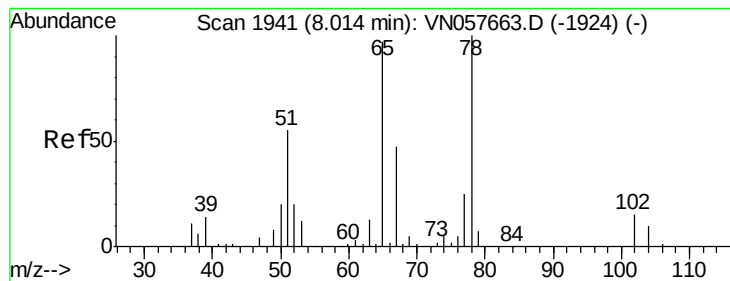
Tgt Ion: 83 Resp: 157632
Ion Ratio Lower Upper
83 100
85 63.5 50.8 76.2



#26
Cyclohexane
Concen: 26.370 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 56 Resp: 128964
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.5 60.4 90.6





#27

1,2-Dichloroethane-d4

Concen: 39.730 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

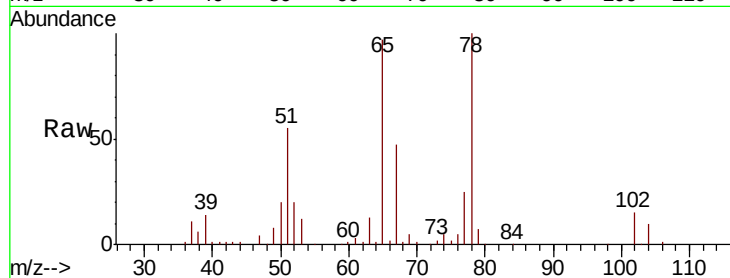
VSTDICCC020

Tgt Ion: 65 Resp: 187870

Ion Ratio Lower Upper

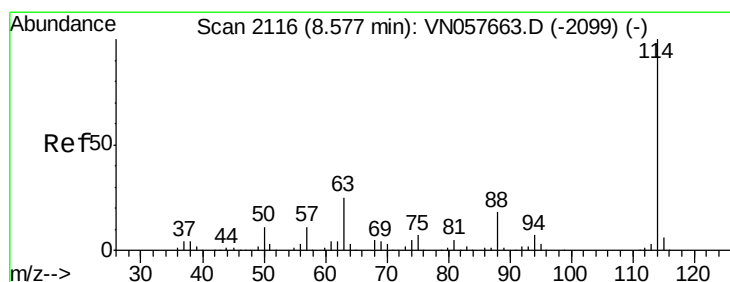
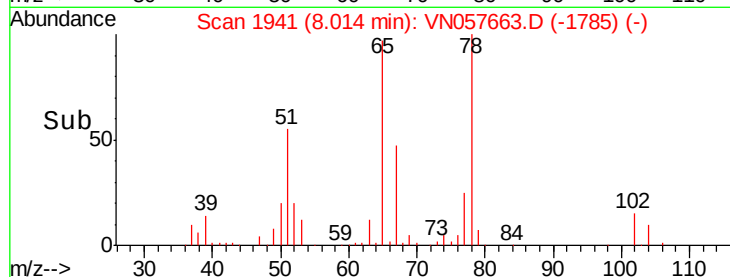
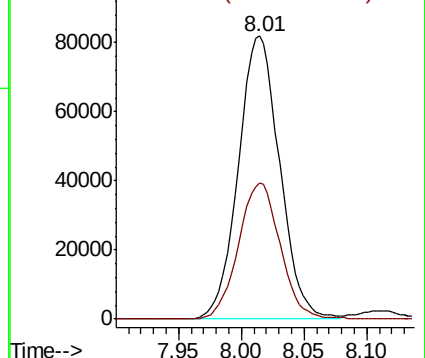
65 100

67 48.2 38.6 57.8



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: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

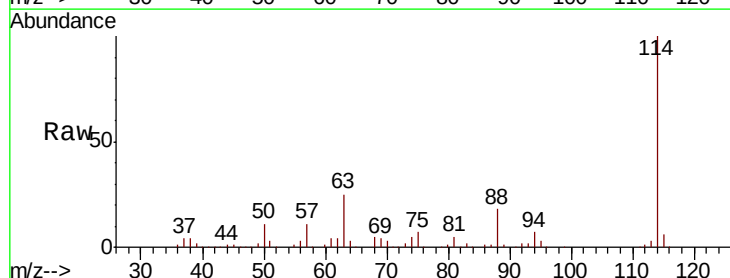
Tgt Ion: 114 Resp: 353932

Ion Ratio Lower Upper

114 100

63 25.7 20.6 30.8

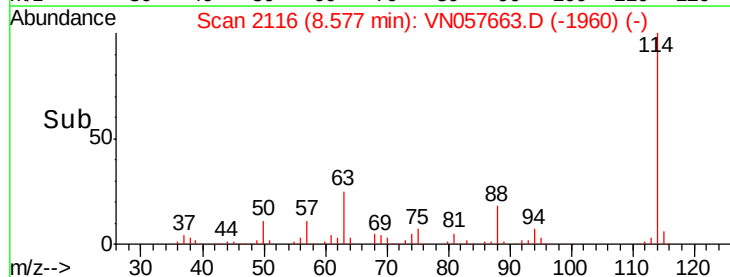
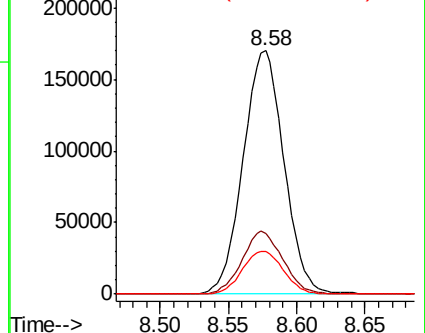
88 17.9 14.3 21.5

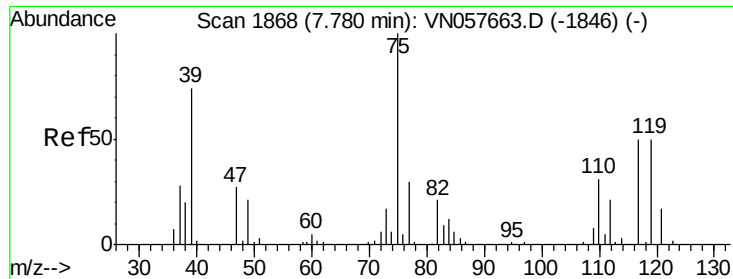


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

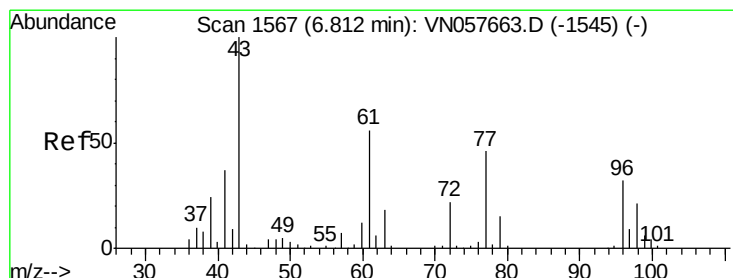
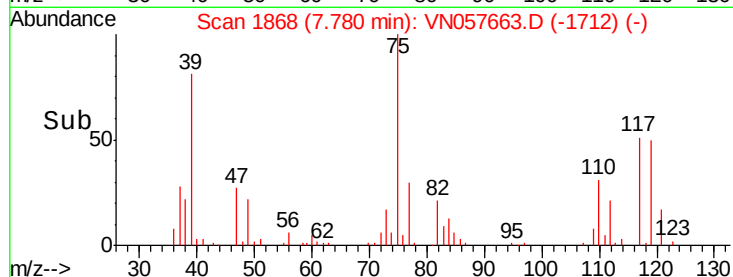
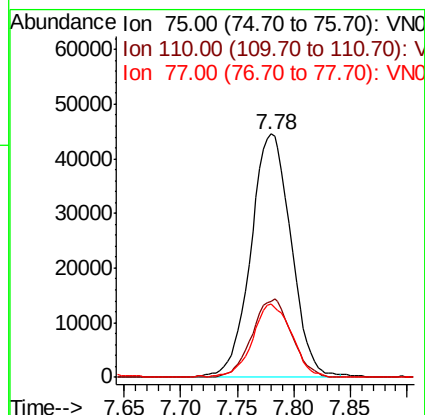
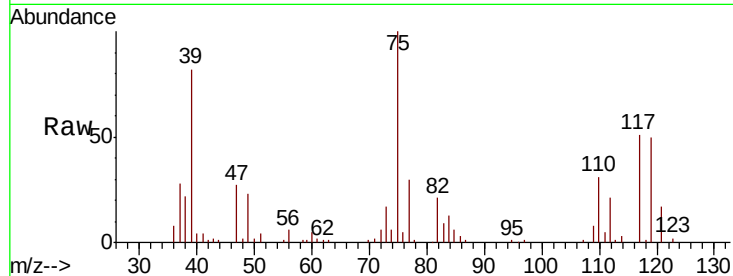




#29
 1,1-Dichloropropene
 Concen: 22.401 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

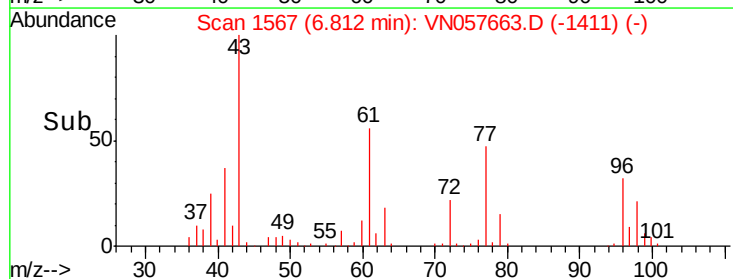
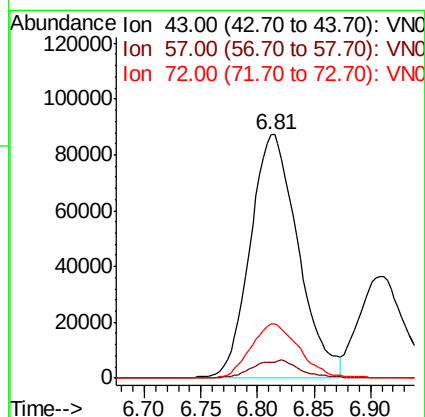
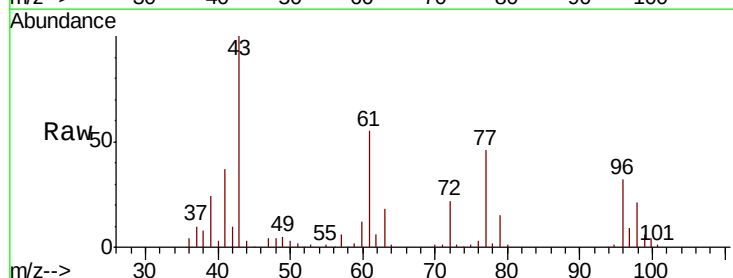
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

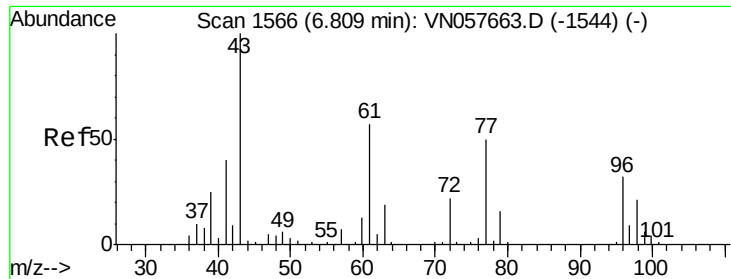
Tgt Ion: 75 Resp: 110194
 Ion Ratio Lower Upper
 75 100
 110 31.4 0.0 62.8
 77 28.9 0.0 57.8



#30
 2-Butanone
 Concen: 147.484 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 255402
 Ion Ratio Lower Upper
 43 100
 57 3.2 2.6 3.8
 72 22.6 18.1 27.1

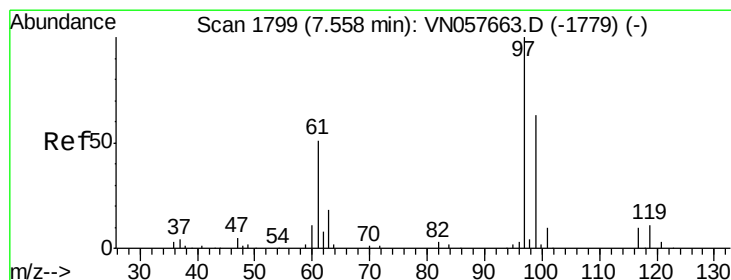
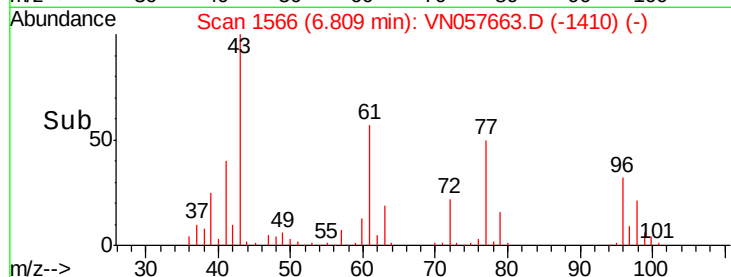
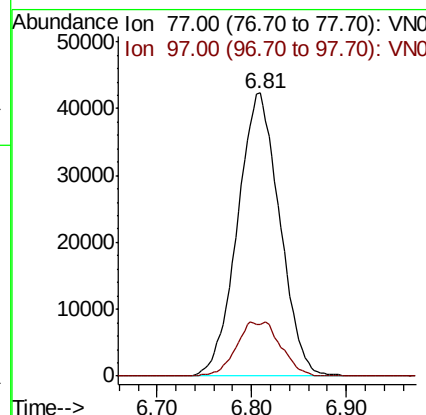
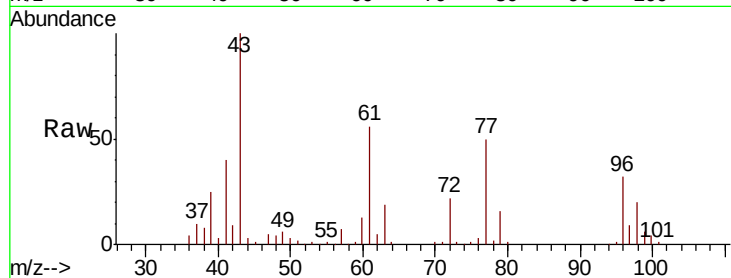




#31
 2,2-Dichloropropane
 Concen: 22.244 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

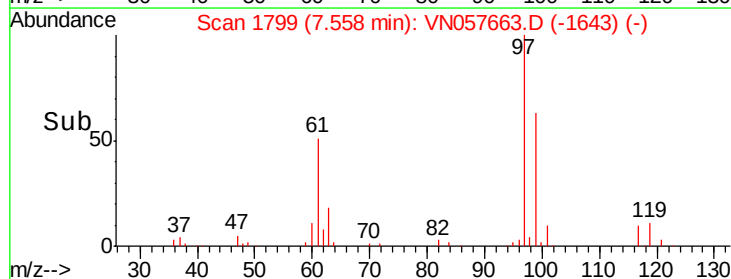
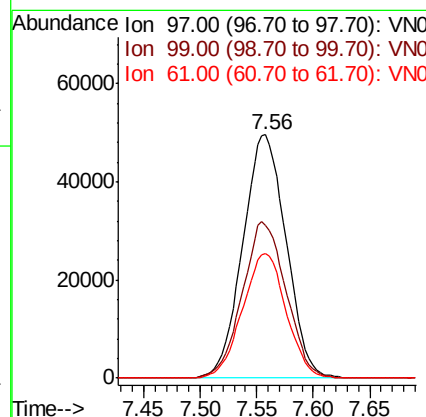
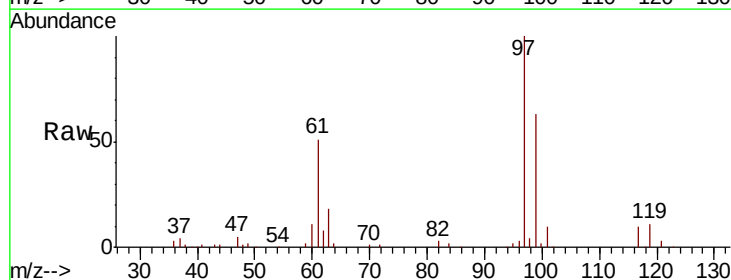
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

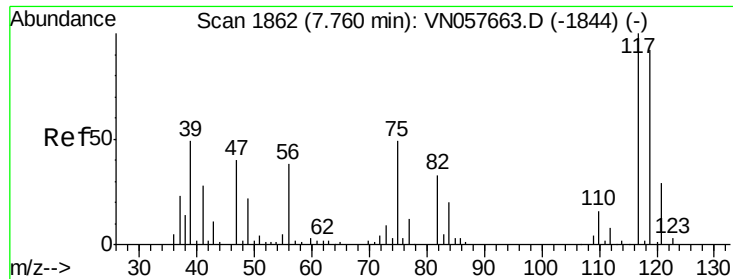
Tgt Ion: 77 Resp: 131075
 Ion Ratio Lower Upper
 77 100
 97 11.0 8.8 13.2



#32
 1,1,1-Trichloroethane
 Concen: 20.454 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 97 Resp: 132011
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.9 77.9
 61 51.7 41.4 62.0

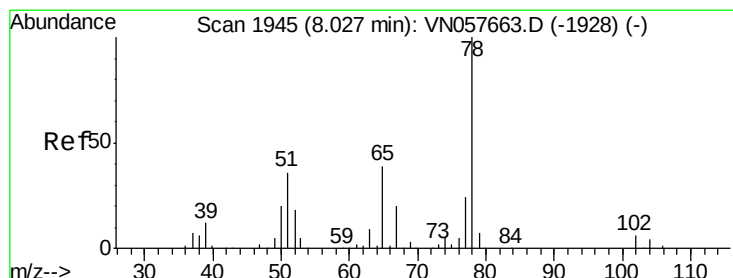
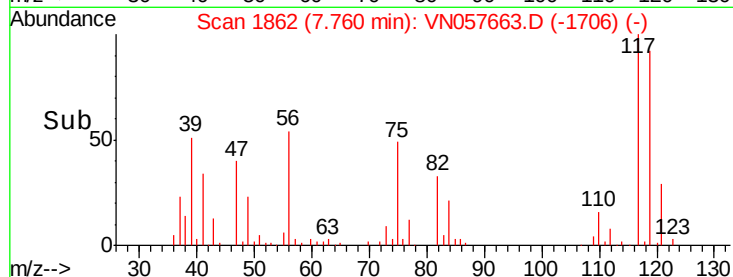
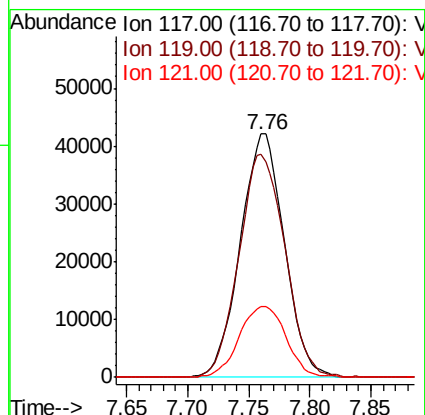
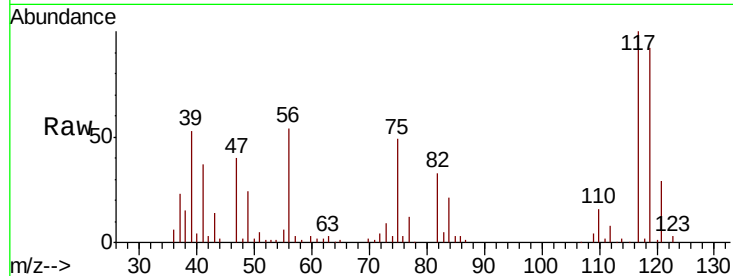




#33
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

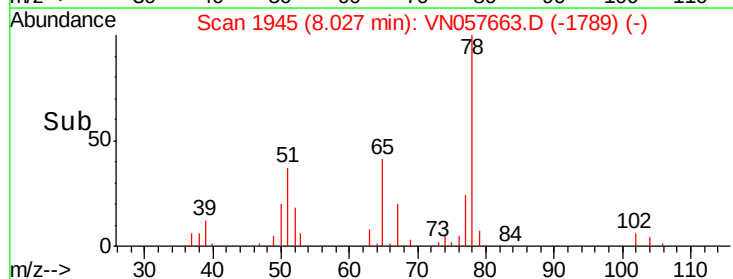
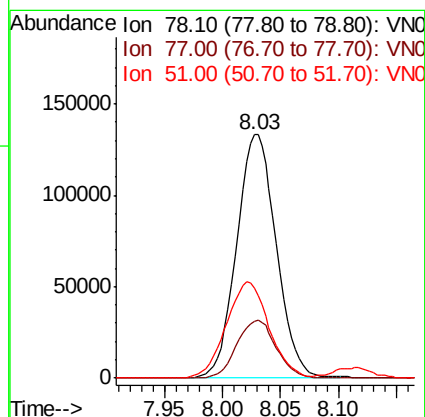
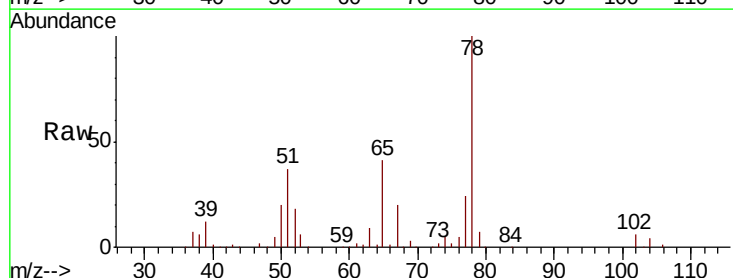
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

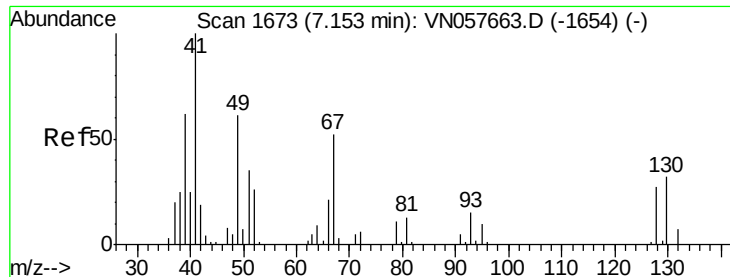
Tgt Ion: 117 Resp: 105108
Ion Ratio Lower Upper
117 100
119 91.6 73.3 109.9
121 29.1 23.3 34.9



#34
Benzene
Concen: 21.674 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 78 Resp: 316345
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 36.3 29.0 43.6

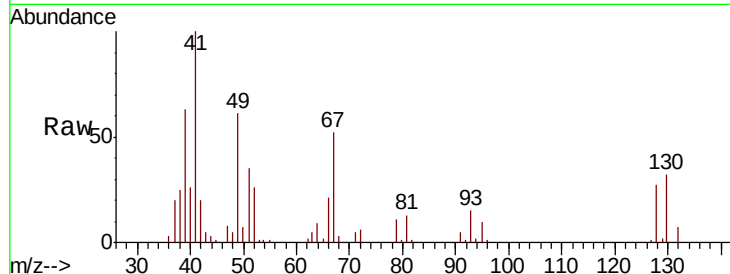




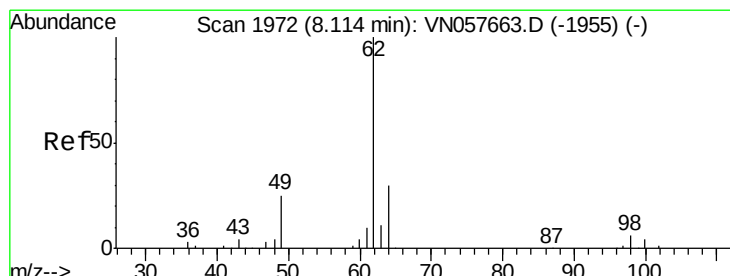
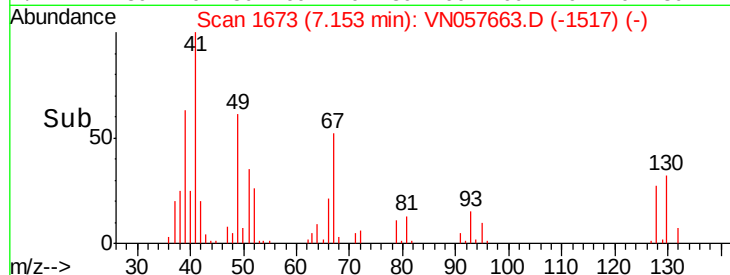
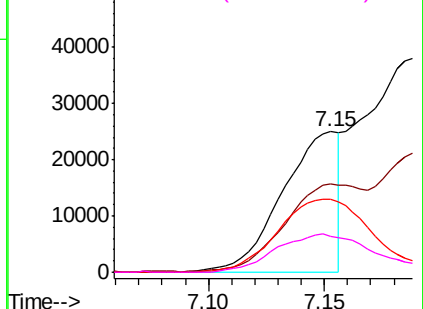
#35
Methacrylonitrile
Concen: 25.617 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:	41	Resp:	42441
Ion	Ratio	Lower	Upper
41	100		
39	62.0	31.0	93.0
67	51.8	25.9	77.7
52	25.8	12.9	38.7

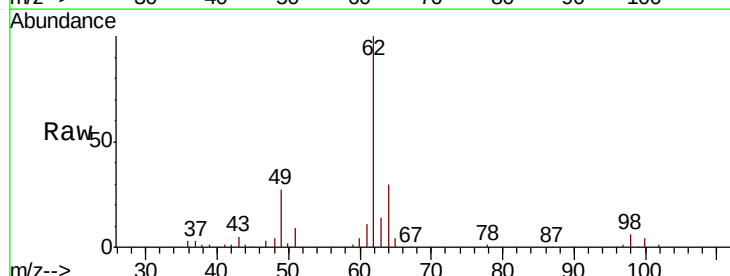


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

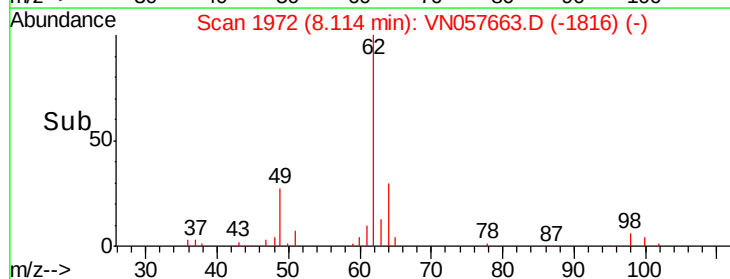
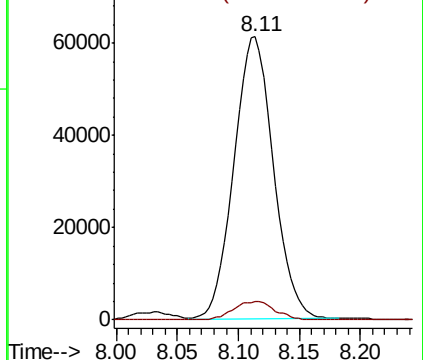


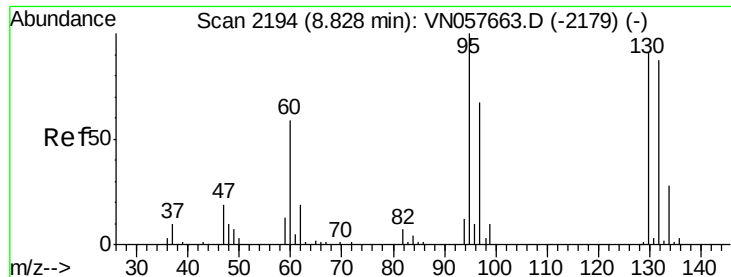
#36
1,2-Dichloroethane
Concen: 24.656 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:	62	Resp:	137086
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	0.0



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

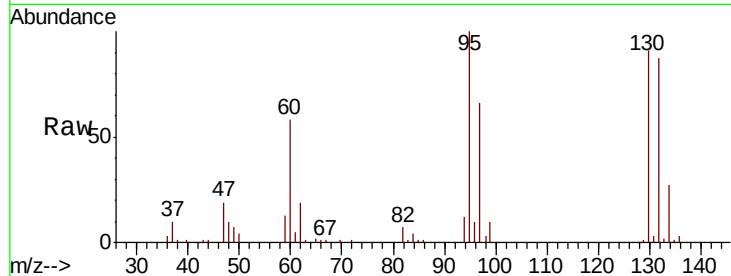




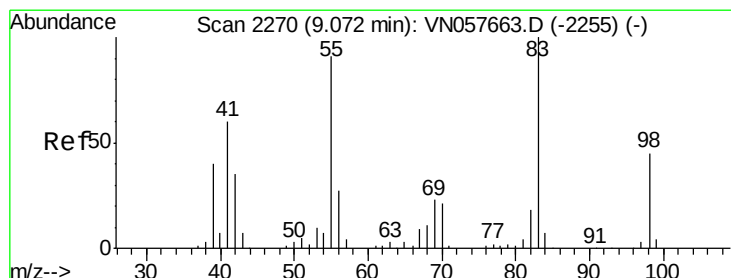
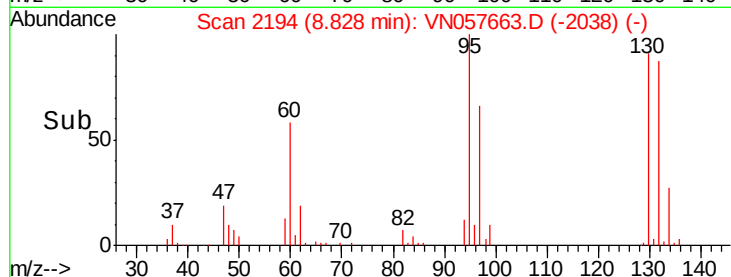
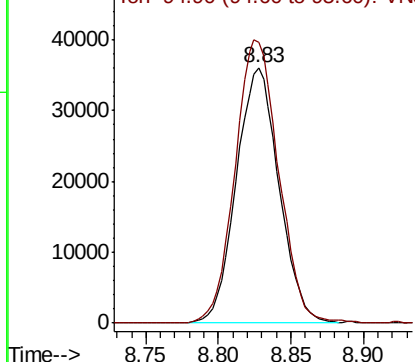
#37
 Trichloroethene
 Concen: 18.159 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:130 Resp: 73801
 Ion Ratio Lower Upper
 130 100
 95 109.4 87.5 131.3

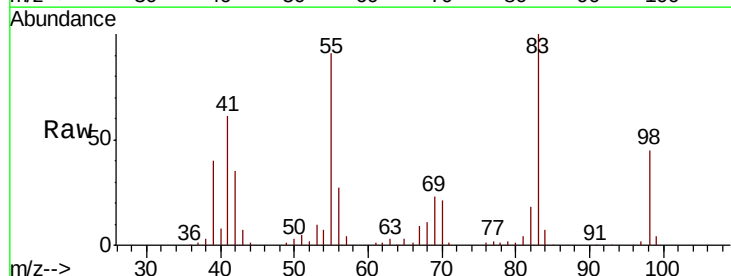


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

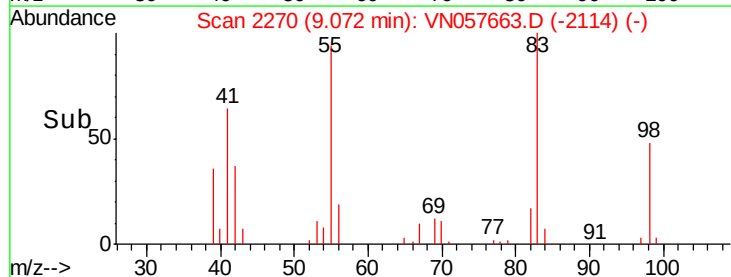
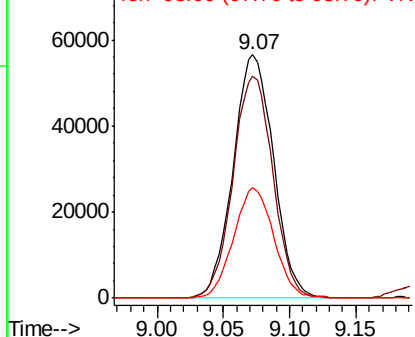


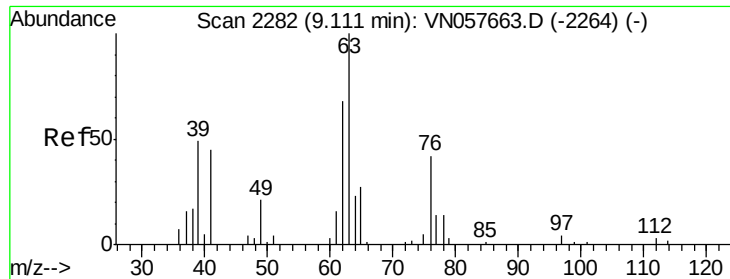
#38
 Methylcyclohexane
 Concen: 20.486 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 83 Resp: 119482
 Ion Ratio Lower Upper
 83 100
 55 90.2 45.1 135.3
 98 45.0 22.5 67.5



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: 23.591 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

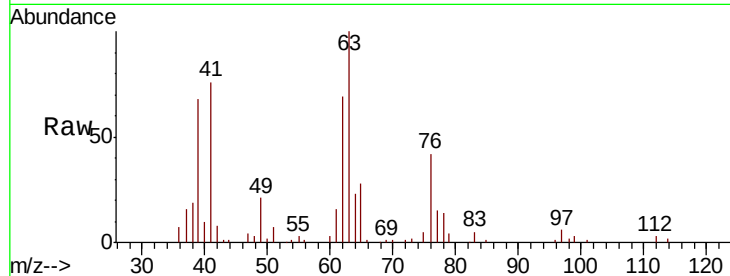
VSTDICCC020

Tgt Ion: 63 Resp: 86647

Ion Ratio Lower Upper

63 100

65 27.7 22.2 33.2

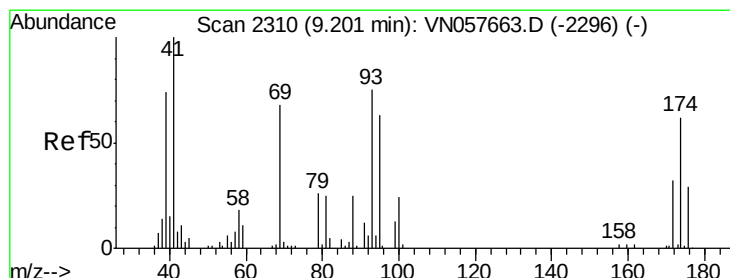
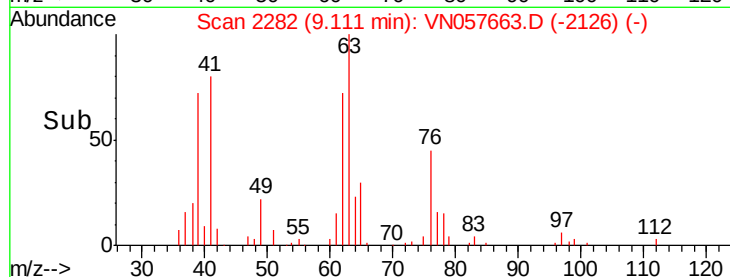


Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-2264) (-)

Ion 65.00 (64.70 to 65.70): VN057663.D (-2264) (-)

9.11

Time-->



#40

Dibromomethane

Concen: 20.247 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

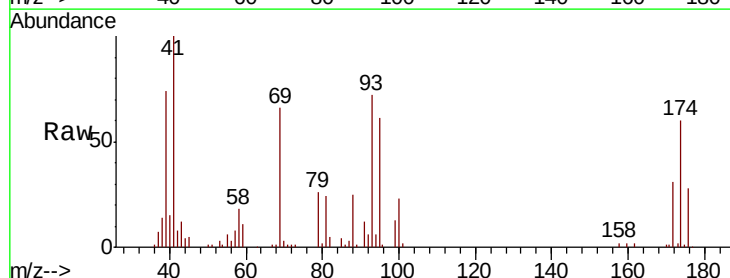
Tgt Ion: 93 Resp: 54728

Ion Ratio Lower Upper

93 100

95 84.1 0.0 168.2

174 84.6 0.0 169.2



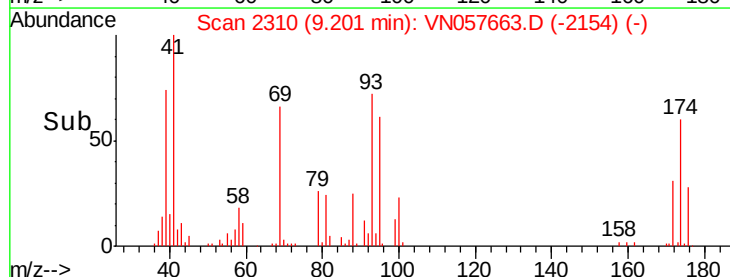
Abundance Ion 93.00 (92.70 to 93.70): VN057663.D (-2296) (-)

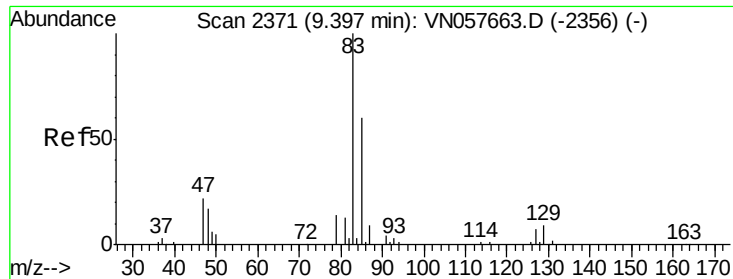
Ion 95.00 (94.70 to 95.70): VN057663.D (-2296) (-)

Ion 174.00 (173.70 to 174.70): VN057663.D (-2296) (-)

9.20

Time-->

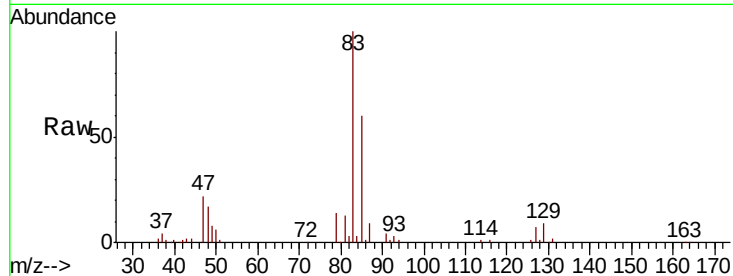




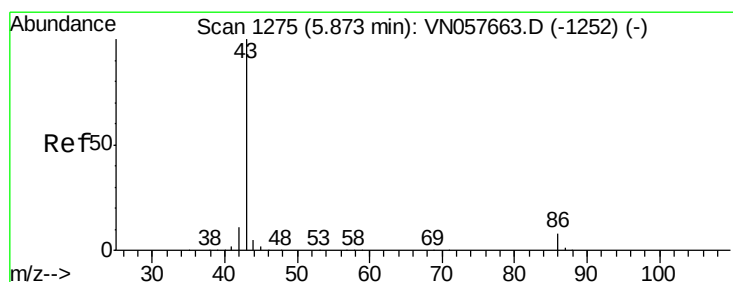
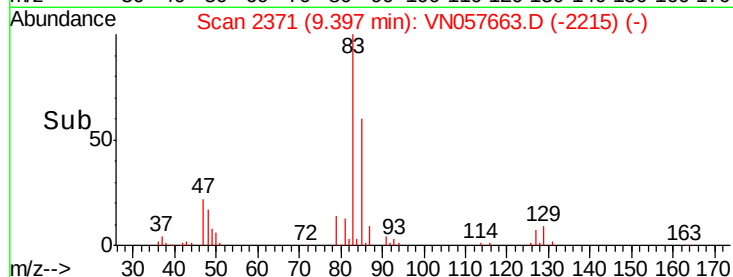
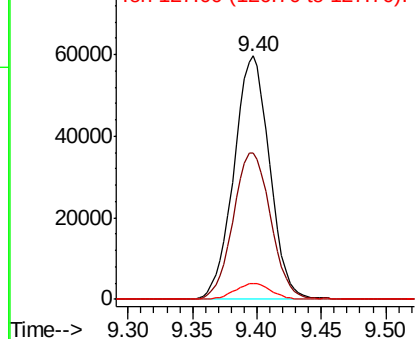
#41
 Bromodichloromethane
 Concen: 20.601 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 115121
 Ion Ratio Lower Upper
 83 100
 85 60.3 48.2 72.4
 127 6.6 5.3 7.9

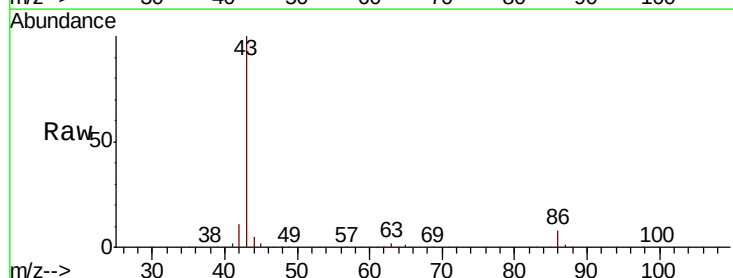


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 127.00 (126.70 to 127.70): VNO

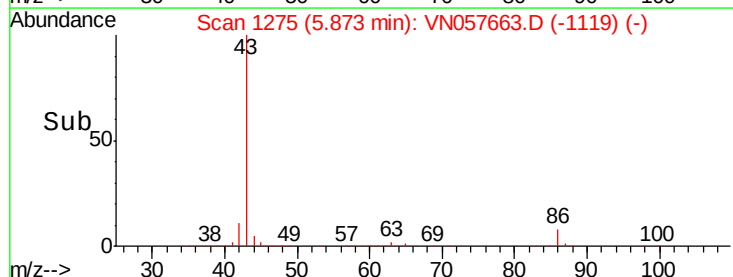
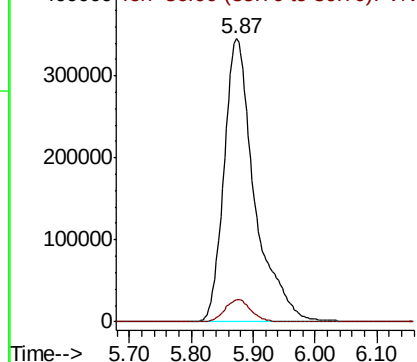


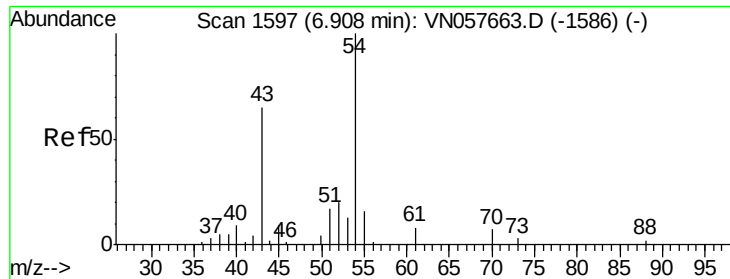
#42
 Vinyl Acetate
 Concen: 152.687 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 1186359
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.4 8.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 86.00 (85.70 to 86.70): VNO





#43

Ethyl Acetate

Concen: 29.874 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

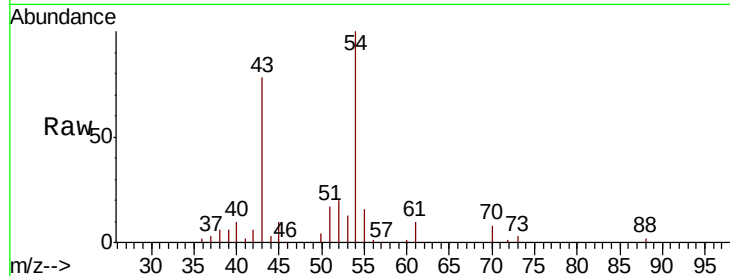
VSTDICCC020

Tgt Ion: 43 Resp: 100473

Ion Ratio Lower Upper

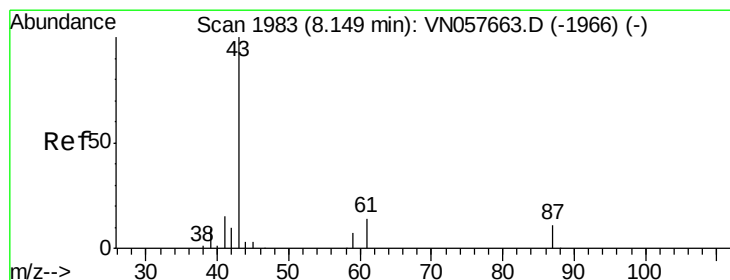
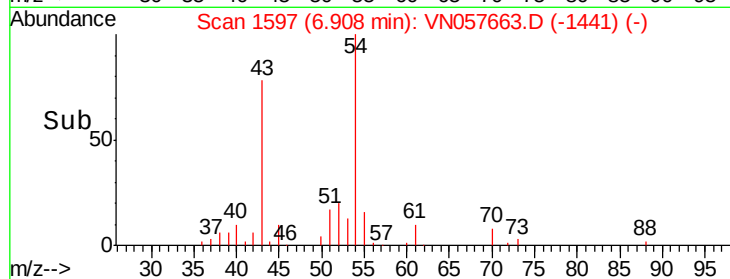
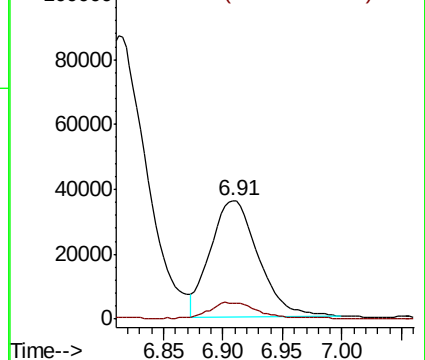
43 100

45 6.3 5.0 7.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 29.271 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN057663.D

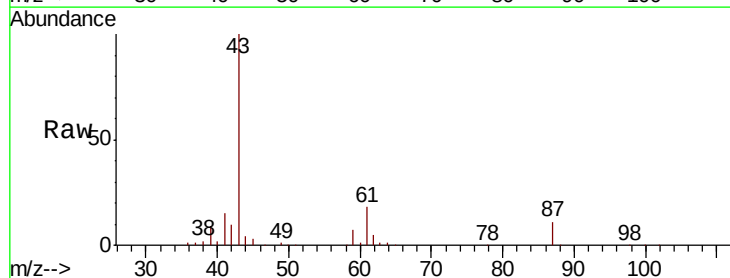
Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 196192

Ion Ratio Lower Upper

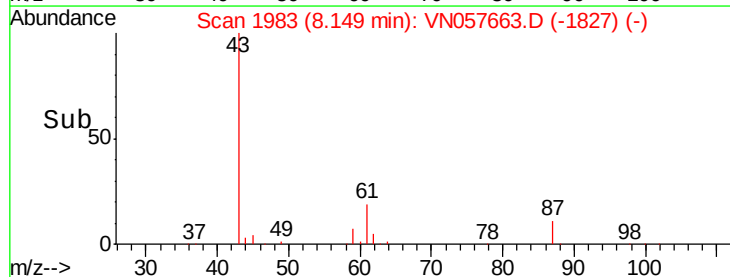
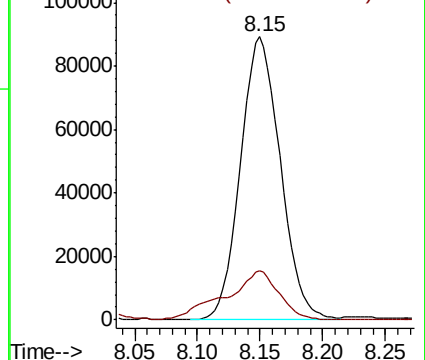
43 100

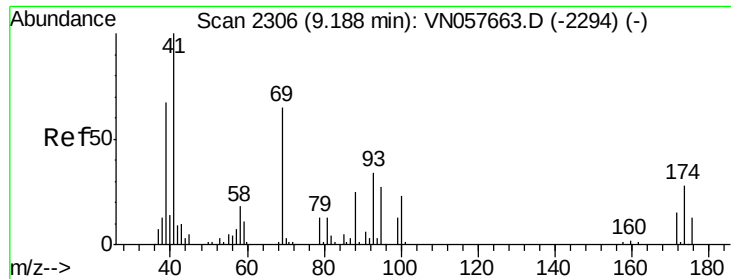
61 15.7 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

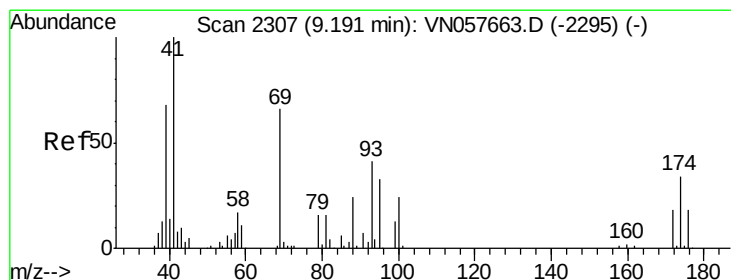
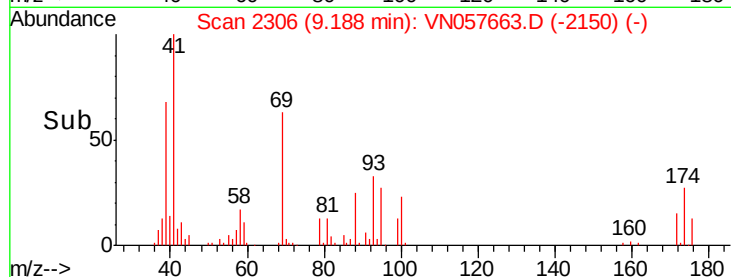
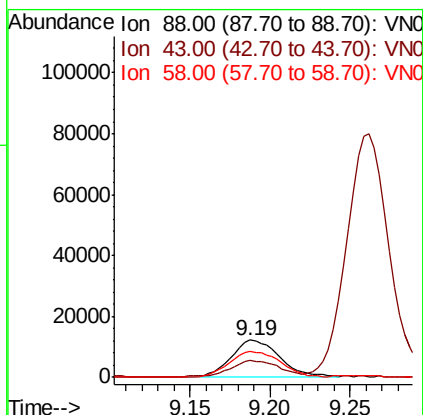
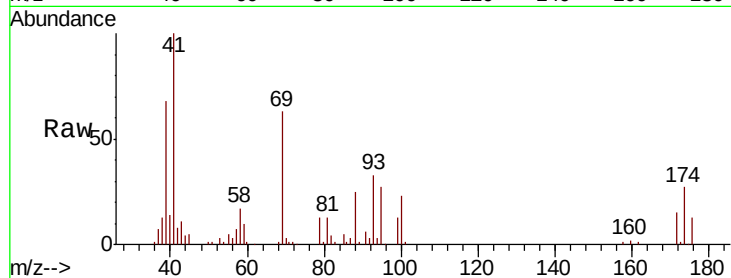




#45
 1,4-Dioxane
 Concen: 475.324 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

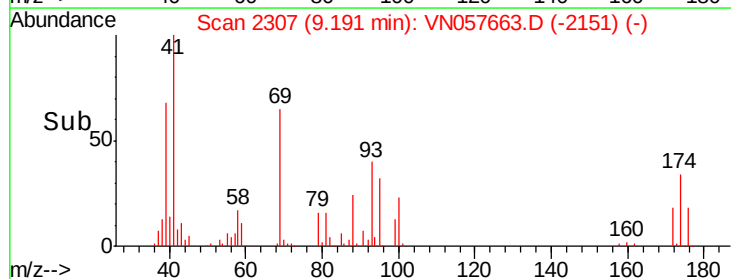
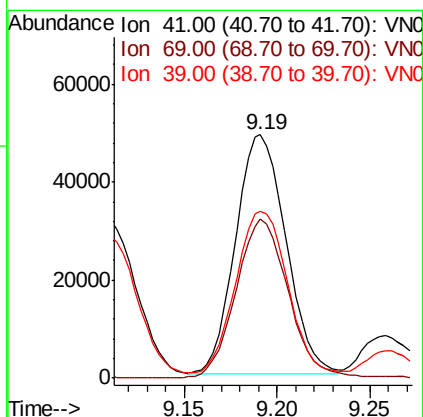
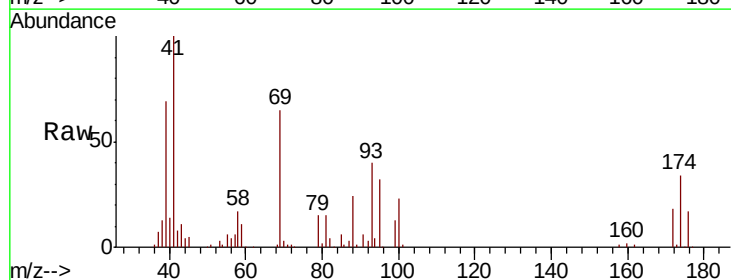
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

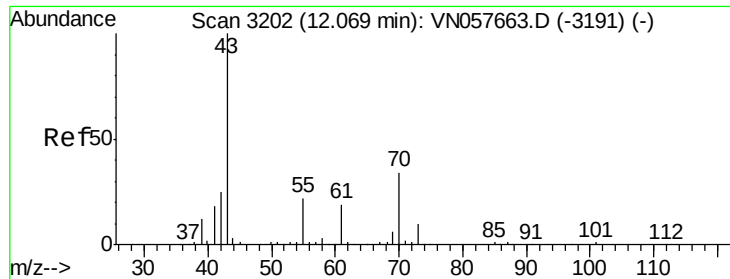
Tgt Ion: 88 Resp: 25629
 Ion Ratio Lower Upper
 88 100
 43 38.7 31.0 46.4
 58 72.7 58.2 87.2



#46
 Methyl methacrylate
 Concen: 29.712 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 41 Resp: 92342
 Ion Ratio Lower Upper
 41 100
 69 66.1 33.1 99.2
 39 68.0 34.0 102.0





#47

n-amyl Acetate

Concen: 25.630 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

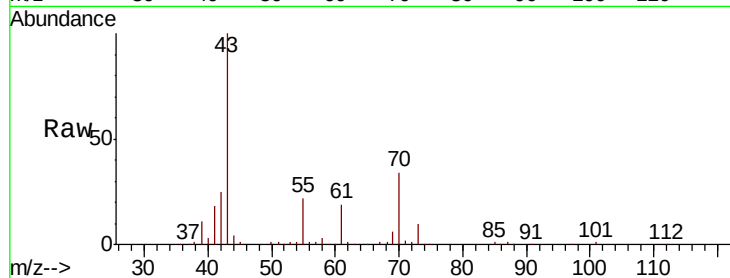
VSTDICCC020

Tgt Ion: 43 Resp: 136839

Ion Ratio Lower Upper

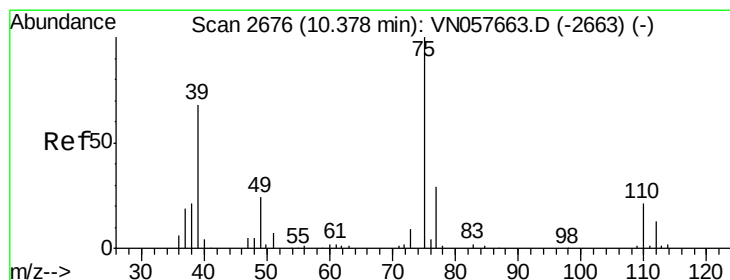
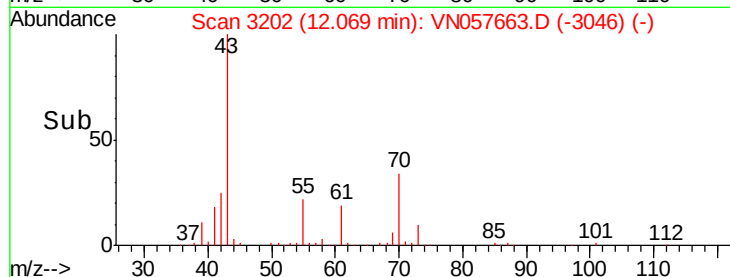
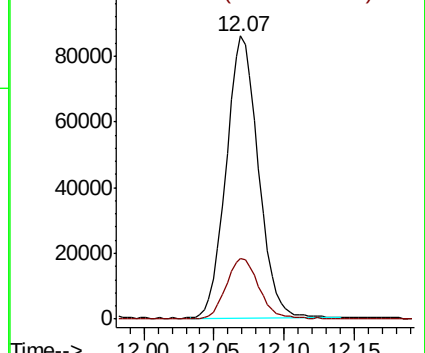
43 100

55 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 21.331 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057663.D

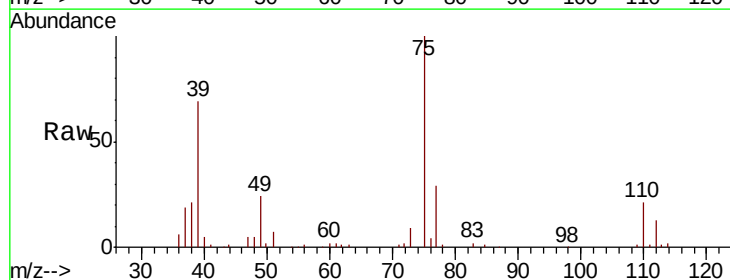
Acq: 3 Sep 2019 15:14

Tgt Ion: 75 Resp: 120425

Ion Ratio Lower Upper

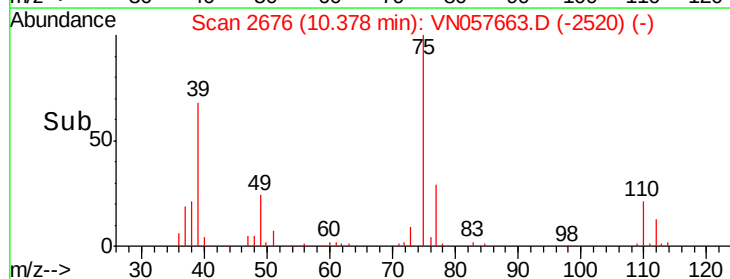
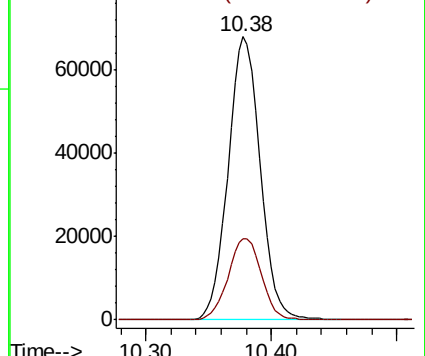
75 100

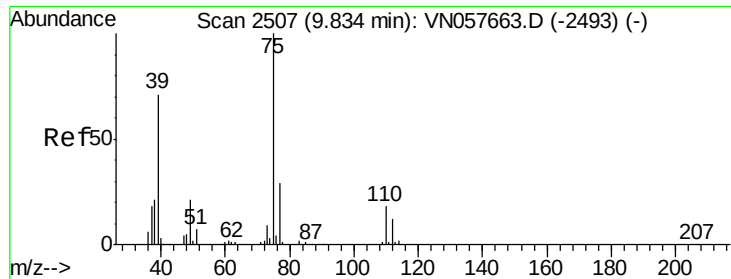
77 28.9 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 21.468 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

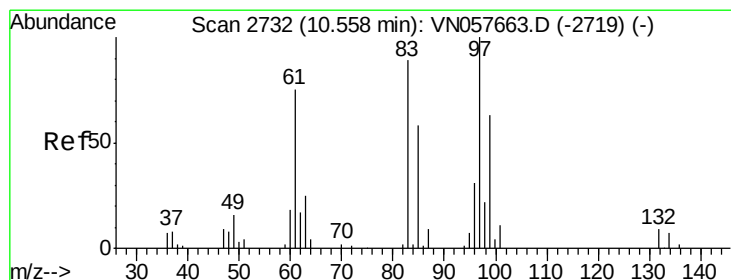
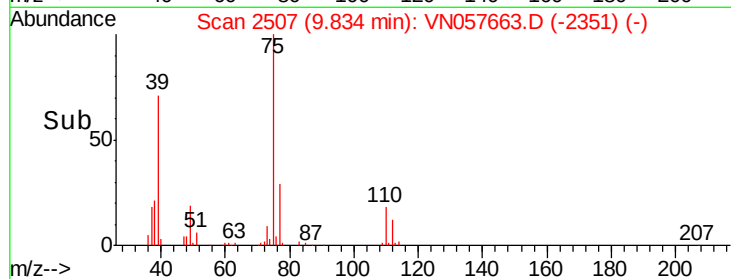
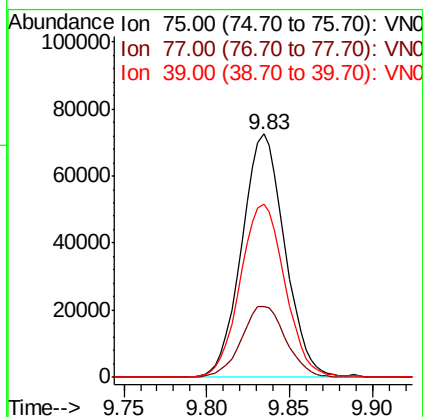
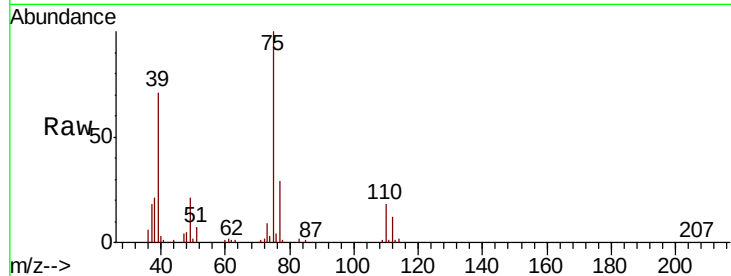
Tgt Ion: 75 Resp: 130749

Ion Ratio Lower Upper

75 100

77 29.3 23.4 35.2

39 70.8 56.6 85.0



#50

1,1,2-Trichloroethane

Concen: 19.265 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion: 97 Resp: 74378

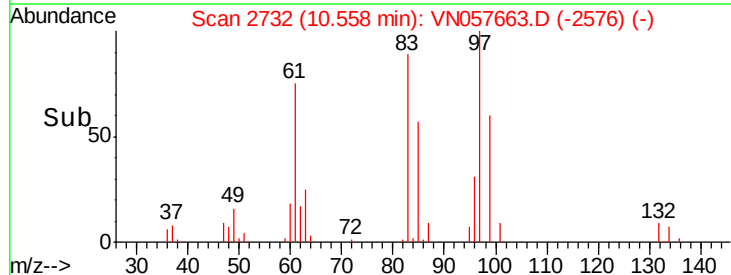
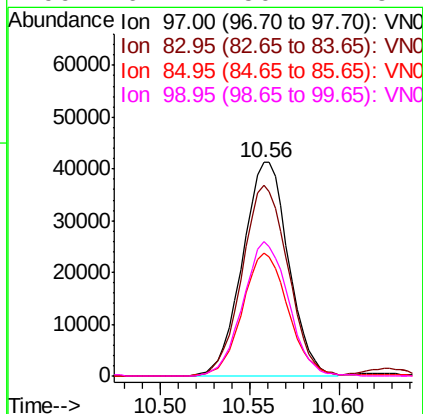
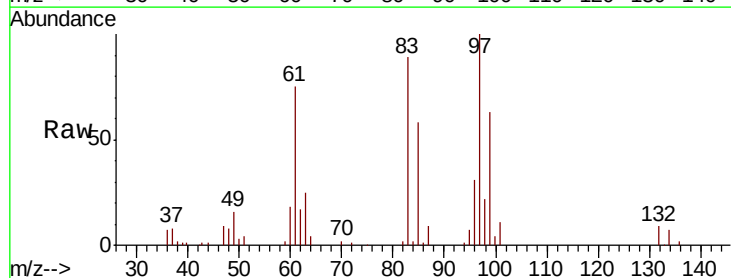
Ion Ratio Lower Upper

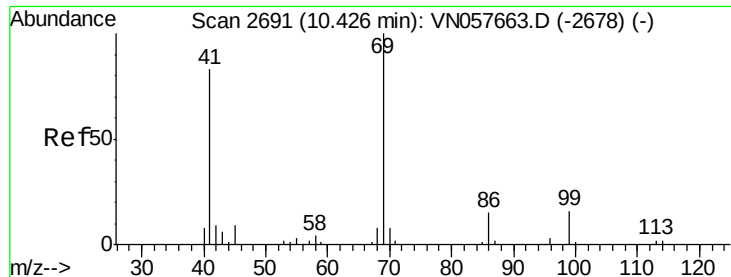
97 100

83 89.3 71.4 107.2

85 57.5 46.0 69.0

99 62.7 50.2 75.2





#51

Ethyl methacrylate

Concen: 22.008 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

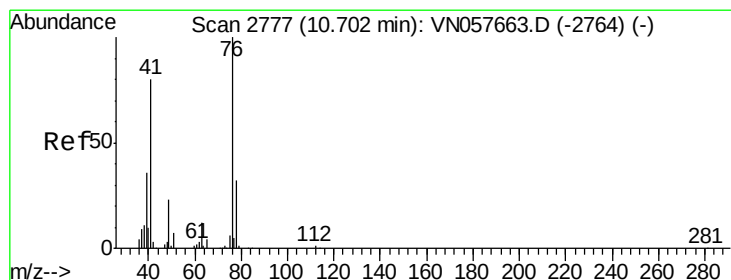
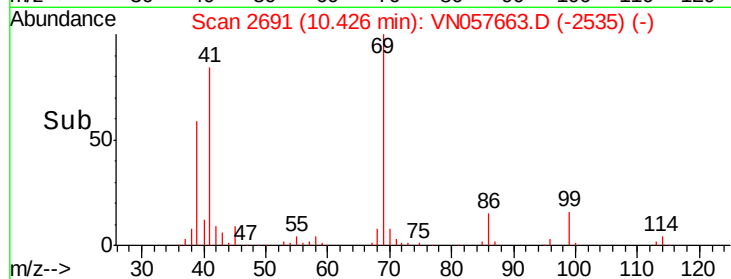
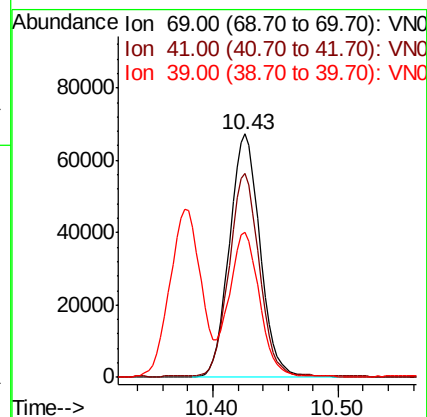
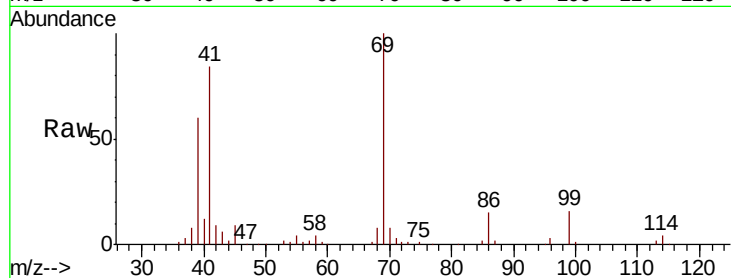
Tgt Ion: 69 Resp: 114891

Ion Ratio Lower Upper

69 100

41 83.0 41.5 124.5

39 59.3 29.6 88.9



#52

1,3-Dichloropropane

Concen: 21.643 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057663.D

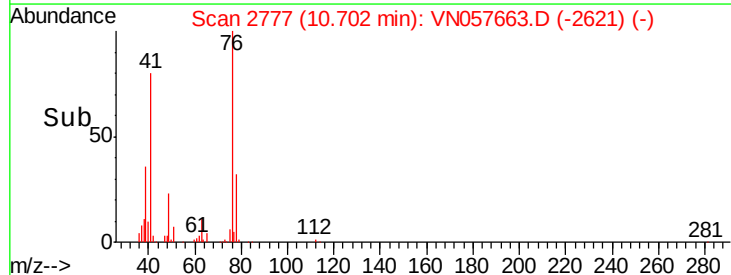
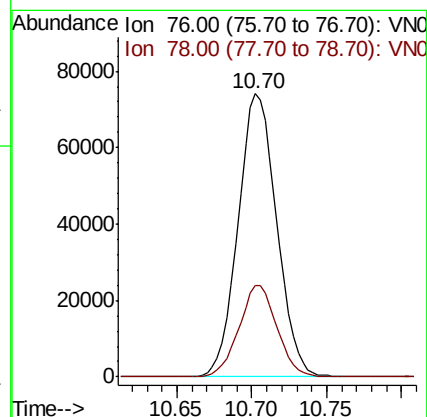
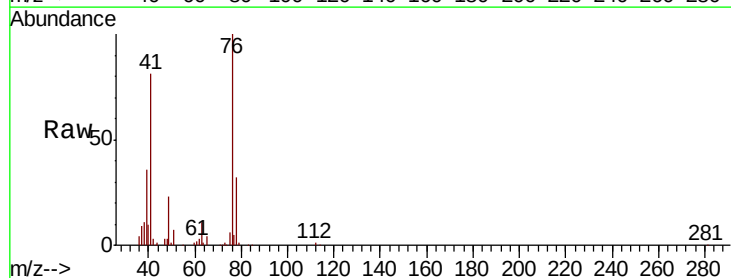
Acq: 3 Sep 2019 15:14

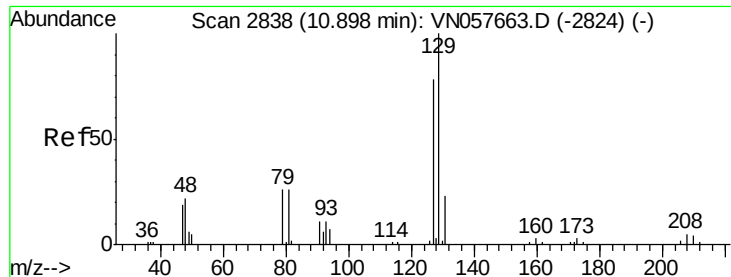
Tgt Ion: 76 Resp: 132984

Ion Ratio Lower Upper

76 100

78 31.9 0.0 63.8

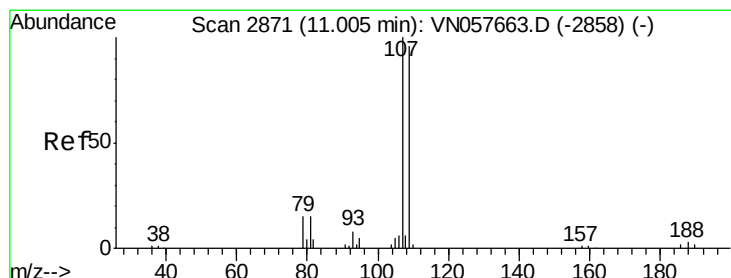
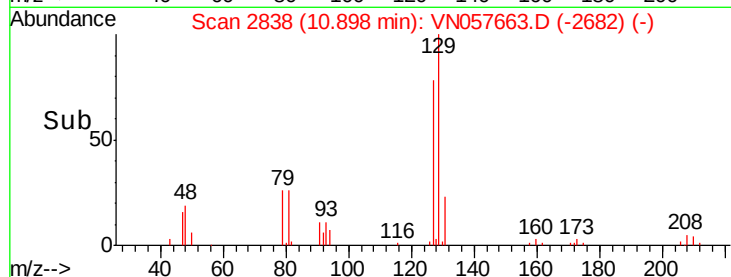
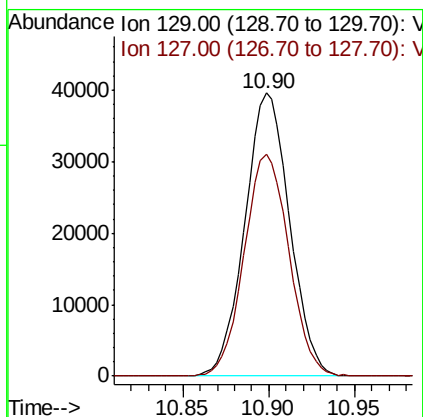
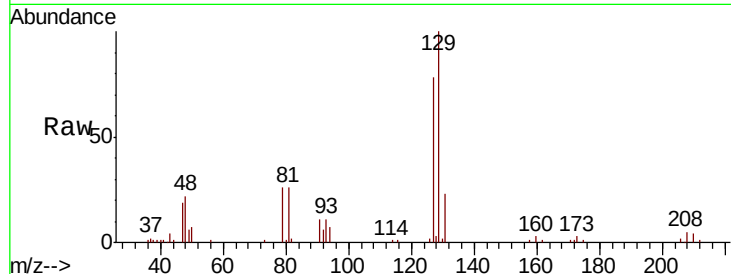




#53
 Dibromochloromethane
 Concen: 16.795 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

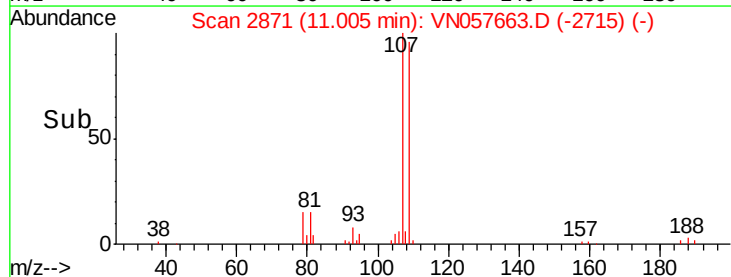
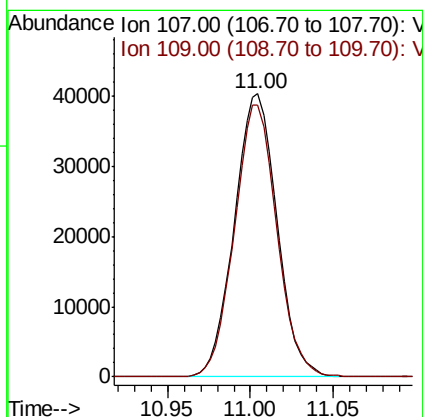
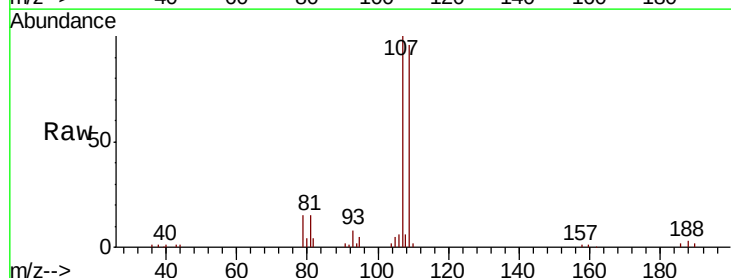
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

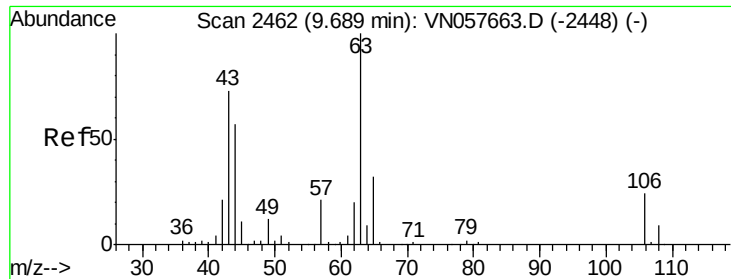
Tgt Ion:129 Resp: 71570
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.3



#54
 1,2-Dibromoethane
 Concen: 18.248 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion:107 Resp: 72363
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.2 114.4

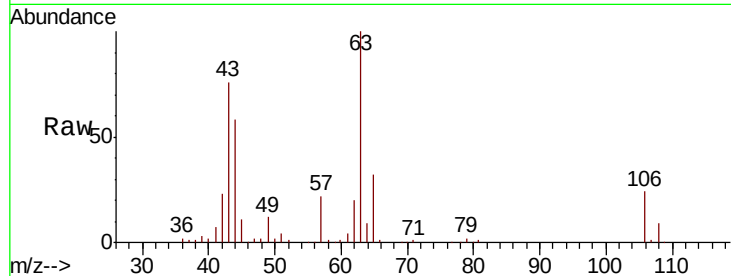




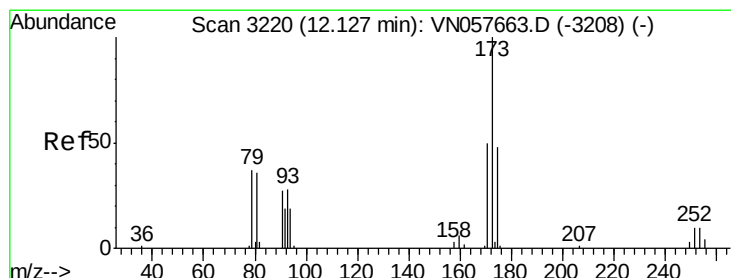
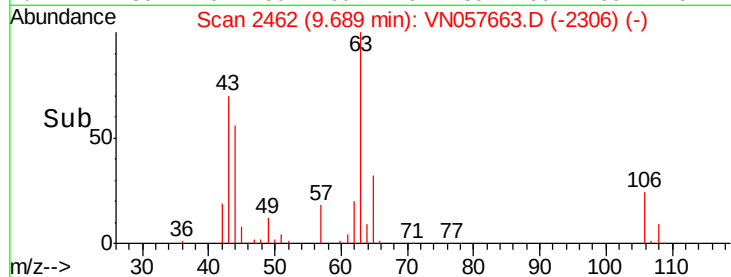
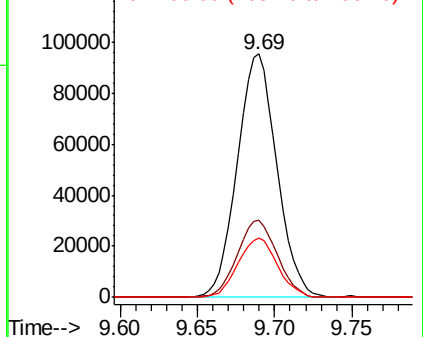
#55
 2-Chloroethyl vinyl ether
 Concen: 125.618 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 169405
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.6 38.4
 106 24.4 19.5 29.3

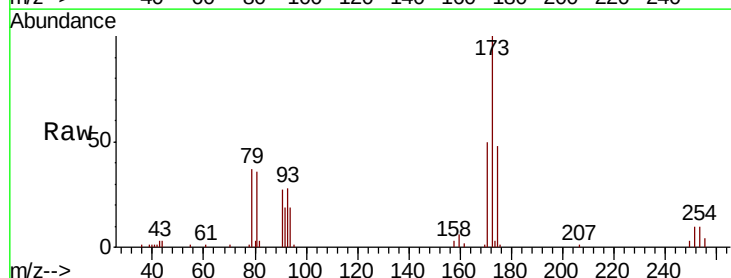


Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-2448) (-)
 Ion 65.00 (64.70 to 65.70): VN057663.D (-2448) (-)
 Ion 106.00 (105.70 to 106.70): VN057663.D (-2448) (-)

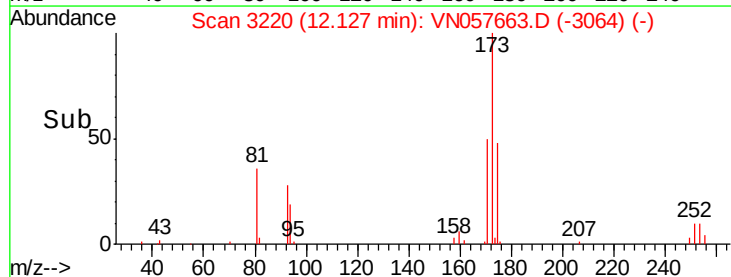
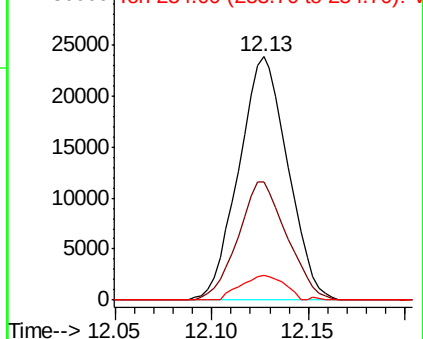


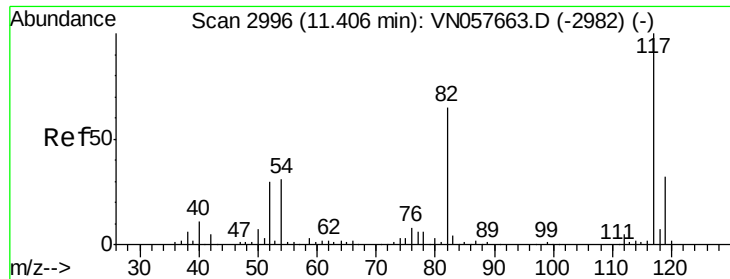
#56
 Bromoform
 Concen: 15.216 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 173 Resp: 41980
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 9.0 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): VN057663.D (-3208) (-)
 Ion 175.00 (174.70 to 175.70): VN057663.D (-3208) (-)
 Ion 254.00 (253.70 to 254.70): VN057663.D (-3208) (-)

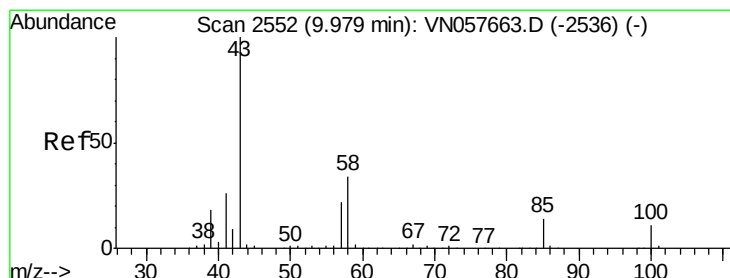
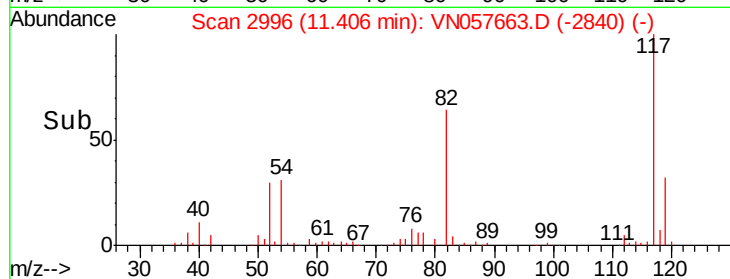
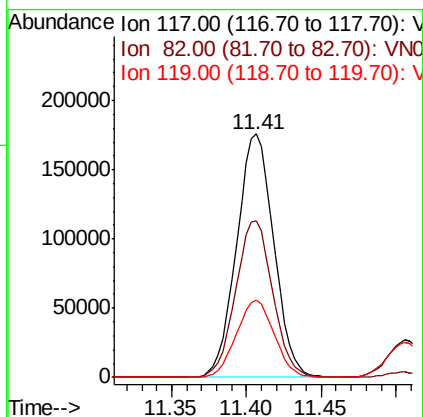
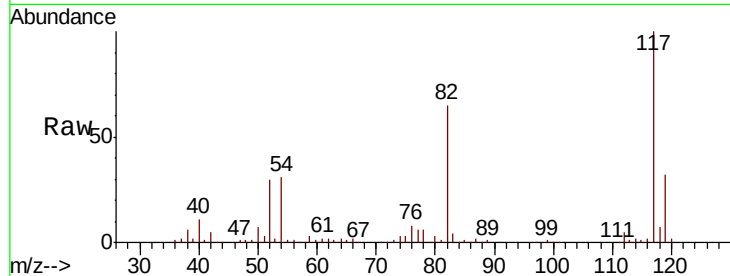




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

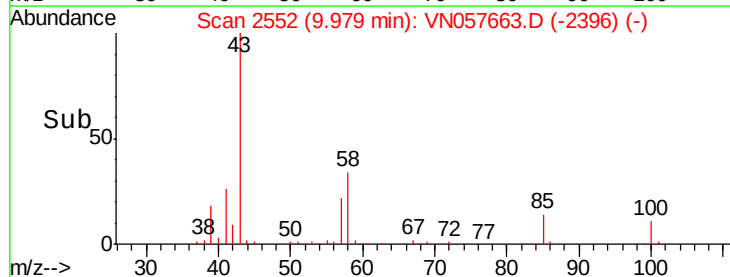
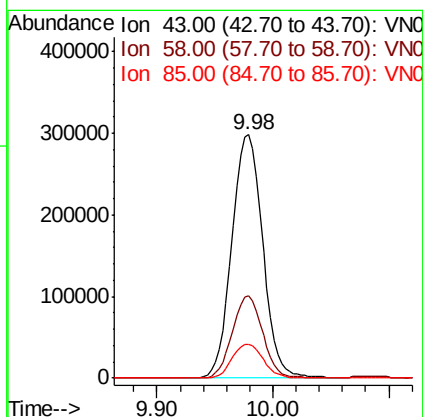
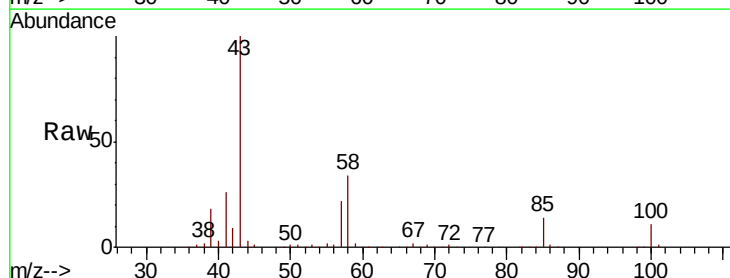
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

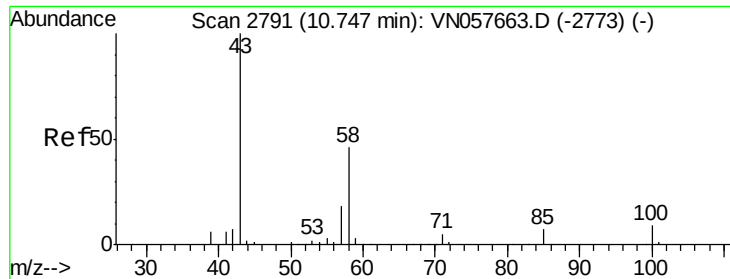
Tgt Ion: 117 Resp: 304724
Ion Ratio Lower Upper
117 100
82 64.0 51.2 76.8
119 32.2 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 157.915 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 551543
Ion Ratio Lower Upper
43 100
58 33.4 26.7 40.1
85 14.0 11.2 16.8

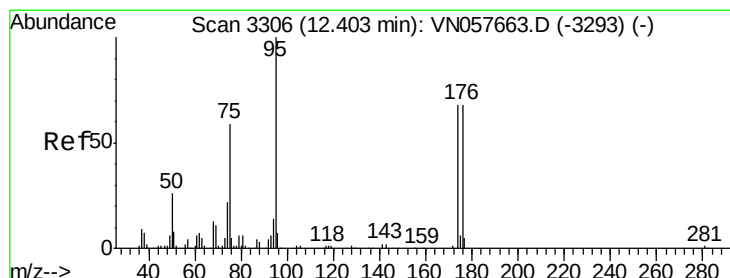
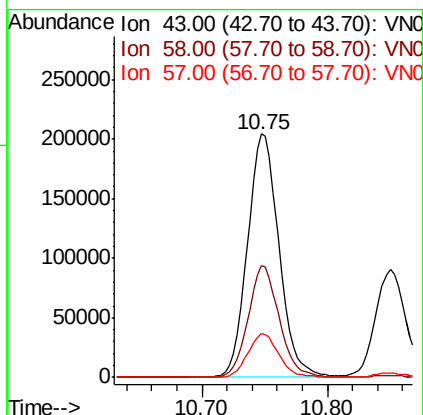
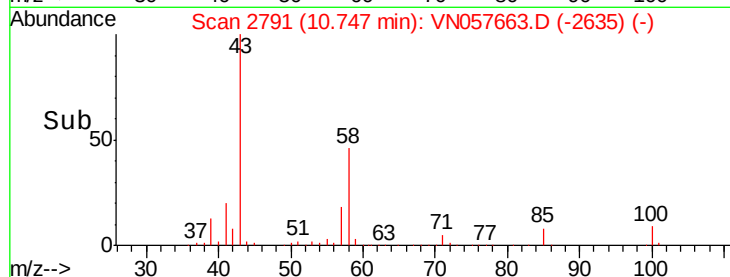
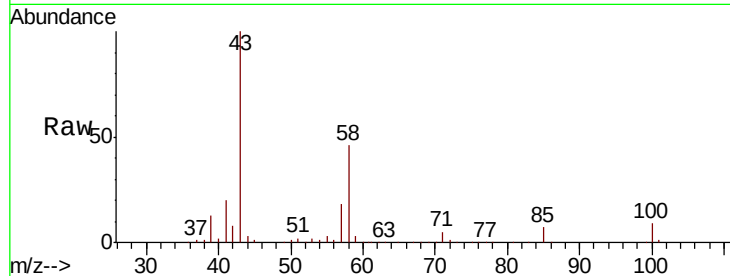




#59
2-Hexanone
Concen: 148.347 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

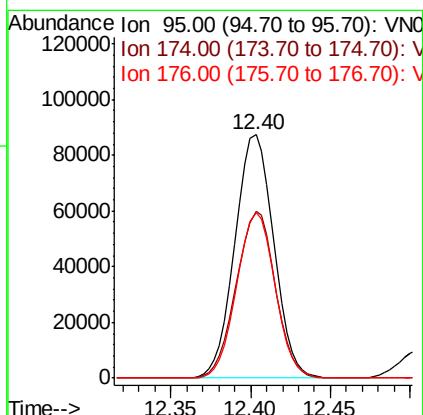
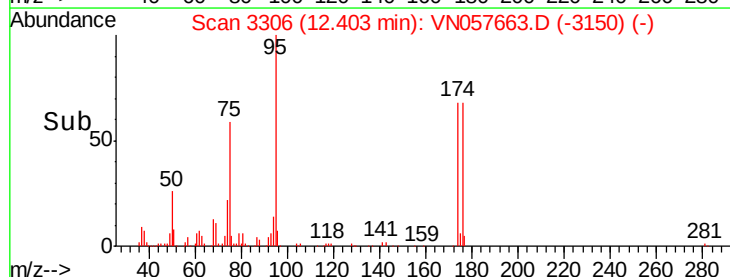
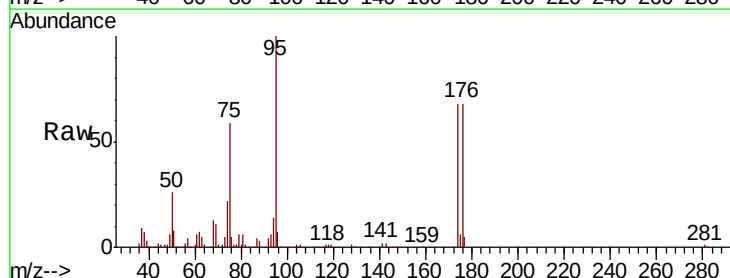
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

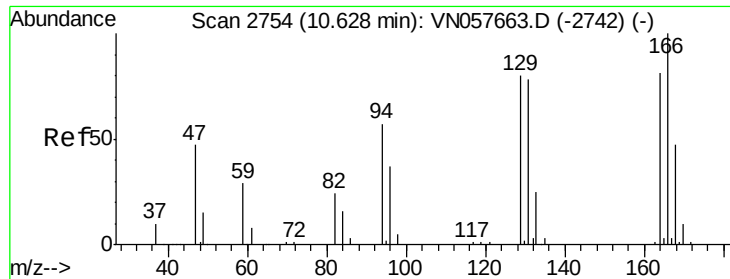
Tgt Ion: 43 Resp: 358012
Ion Ratio Lower Upper
43 100
58 45.1 36.1 54.1
57 17.6 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 30.702 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 95 Resp: 144637
Ion Ratio Lower Upper
95 100
174 68.8 55.0 82.6
176 67.1 53.7 80.5





#61

Tetrachloroethene

Concen: 18.798 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 71804

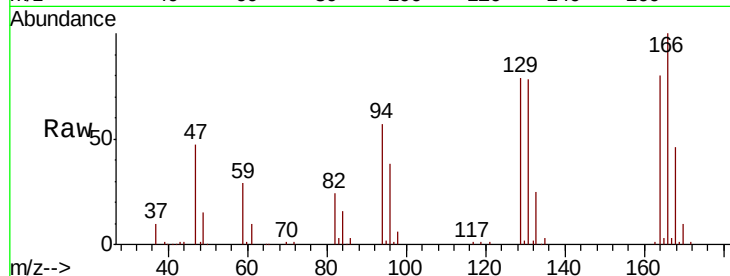
Ion Ratio Lower Upper

164 100

166 124.3 99.4 149.2

129 98.5 78.8 118.2

131 97.7 78.2 117.2



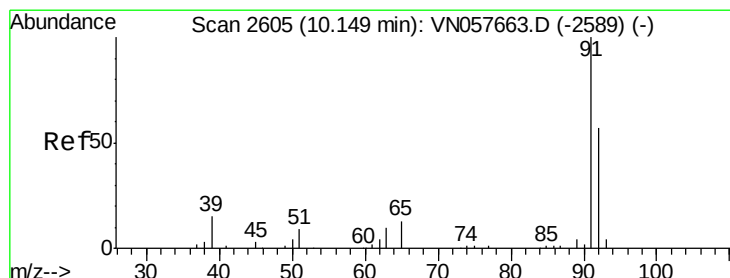
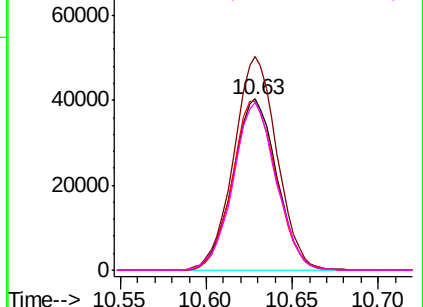
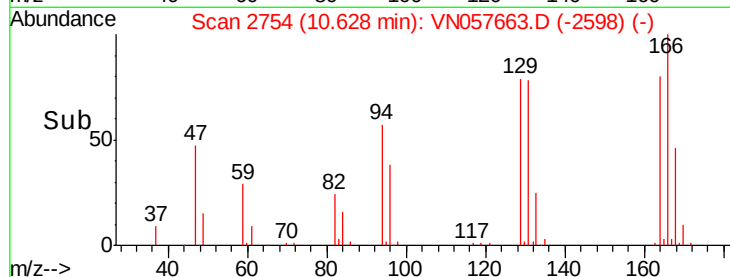
Abundance

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: 21.682 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057663.D

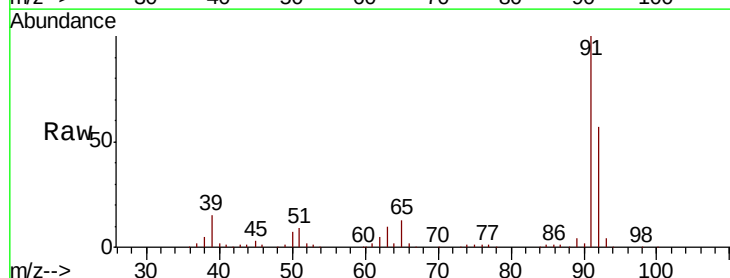
Acq: 3 Sep 2019 15:14

Tgt Ion: 91 Resp: 336583

Ion Ratio Lower Upper

91 100

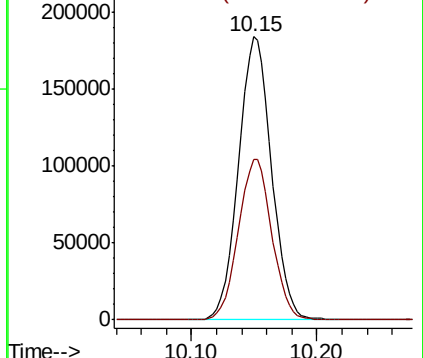
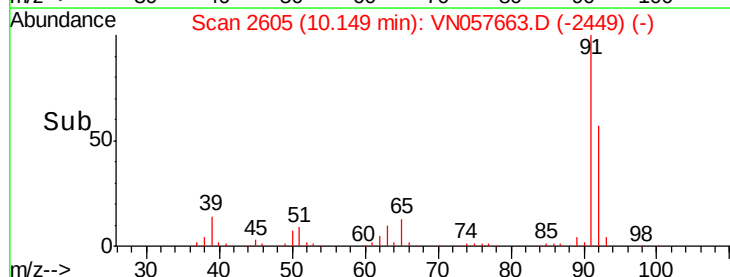
92 57.6 46.1 69.1

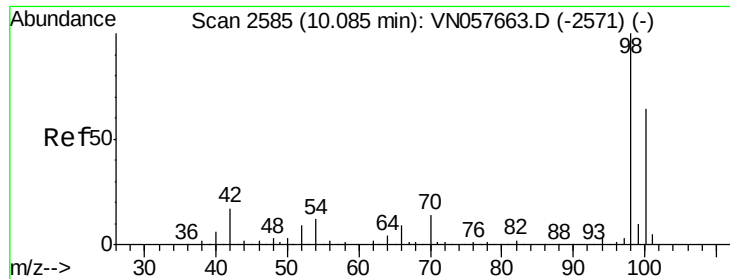


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

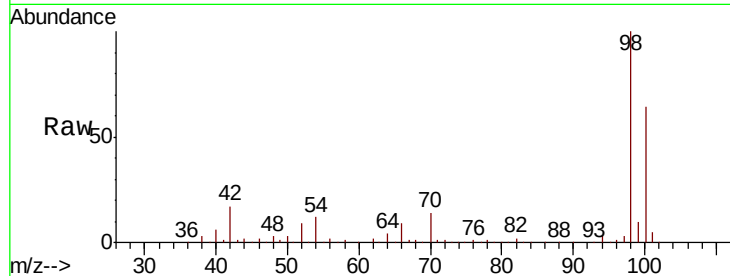




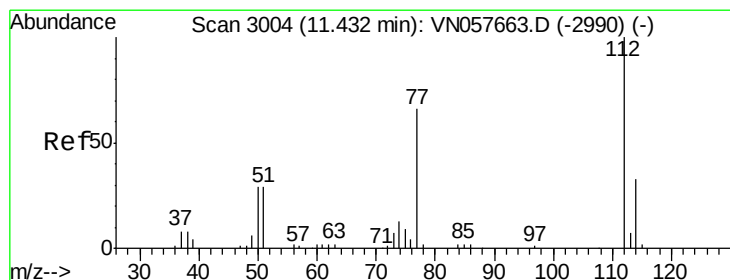
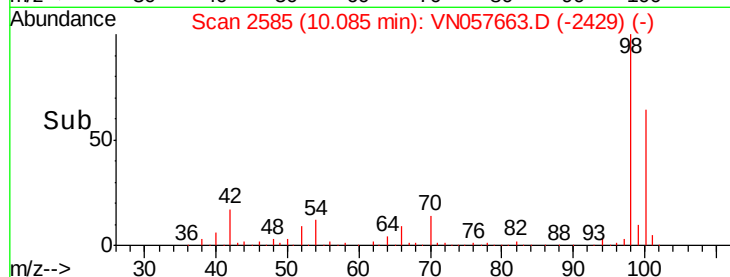
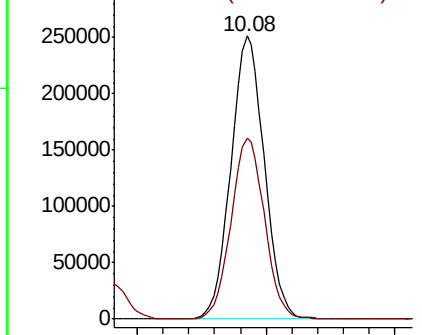
#63
Toluene-d8
Concen: 31.686 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 451766
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

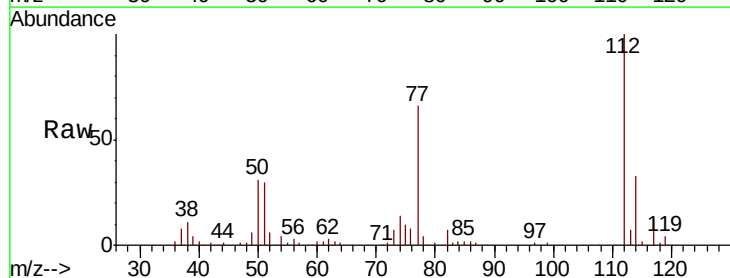


Abundance Ion 98.00 (97.70 to 98.70): VN057663.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN057663.D (-2571) (-)

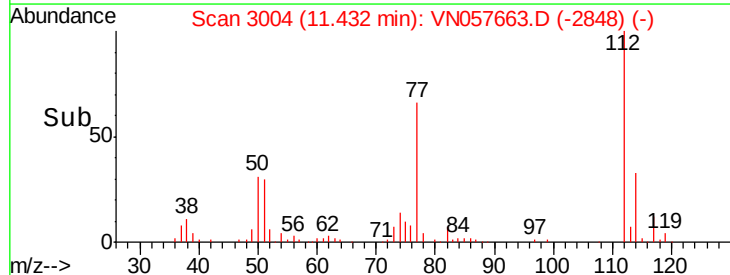
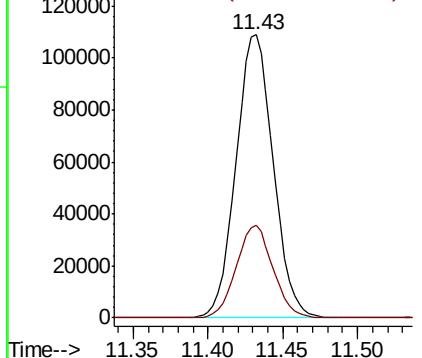


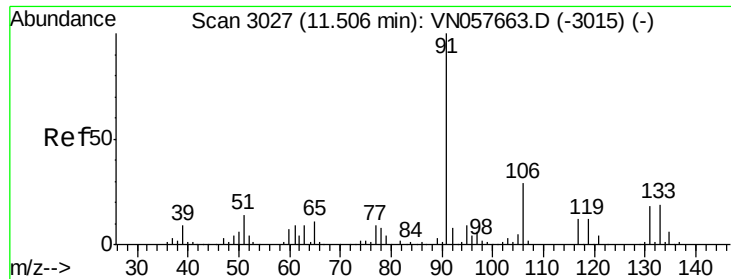
#64
Chlorobenzene
Concen: 19.185 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 112 Resp: 188462
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): VN057663.D (-2990) (-)
Ion 114.00 (113.70 to 114.70): VN057663.D (-2990) (-)

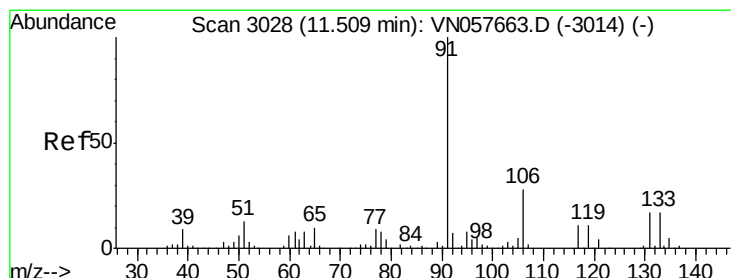
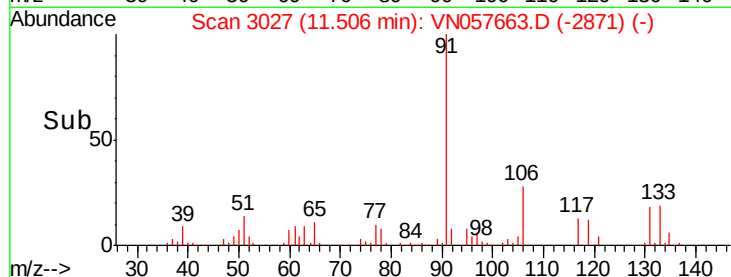
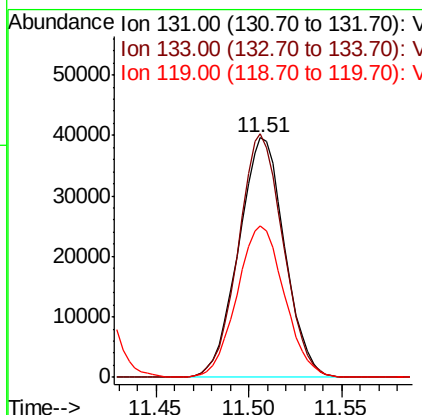
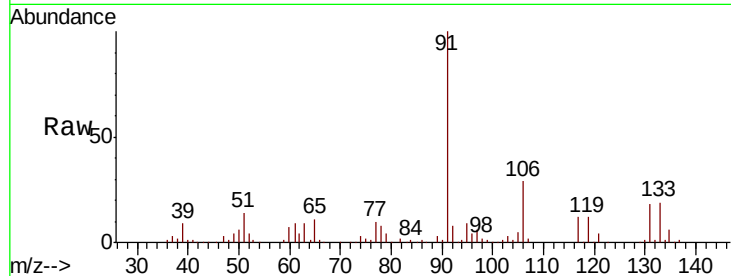




#65
 1,1,1,2-Tetrachloroethane
 Concen: 17.674 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

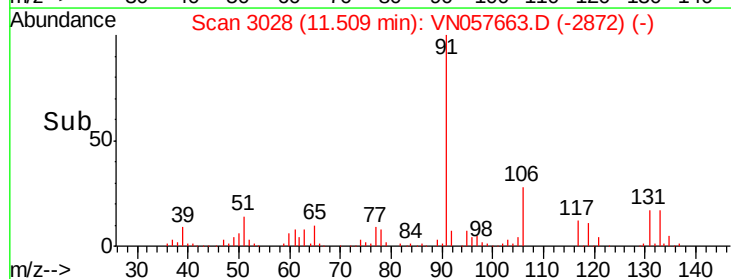
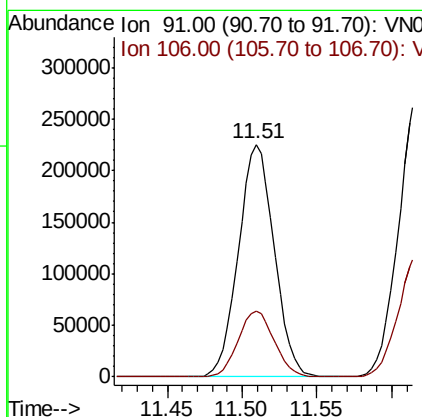
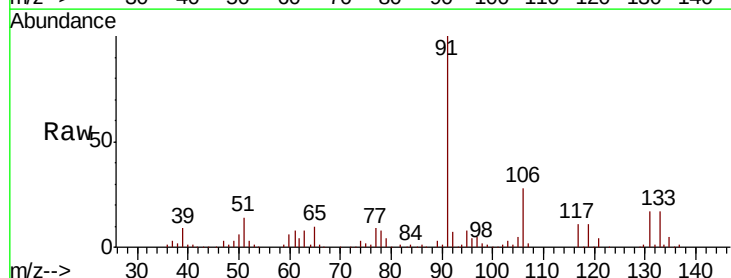
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

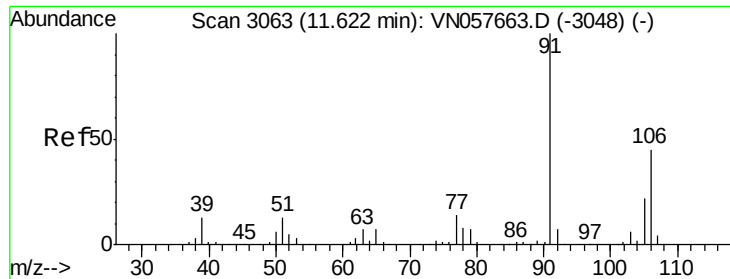
Tgt Ion: 131 Resp: 68332
 Ion Ratio Lower Upper
 131 100
 133 99.0 0.0 198.0
 119 64.9 0.0 129.8



#66
 Ethyl Benzene
 Concen: 22.320 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 91 Resp: 374496
 Ion Ratio Lower Upper
 91 100
 106 28.4 22.7 34.1

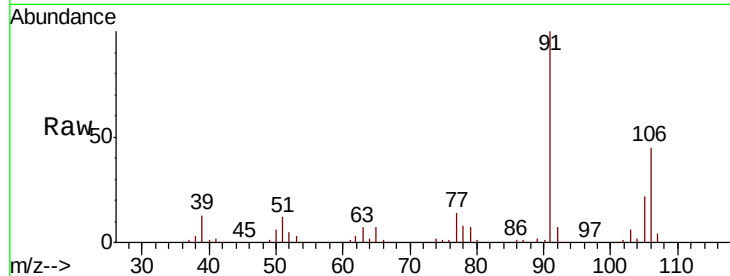




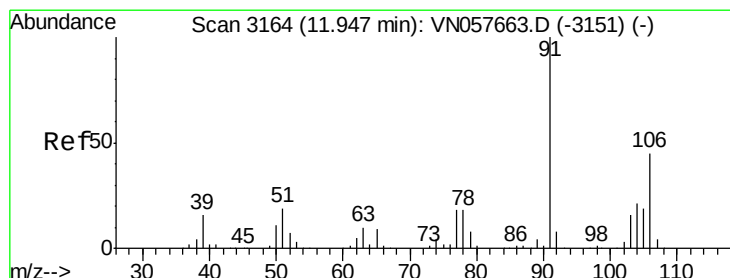
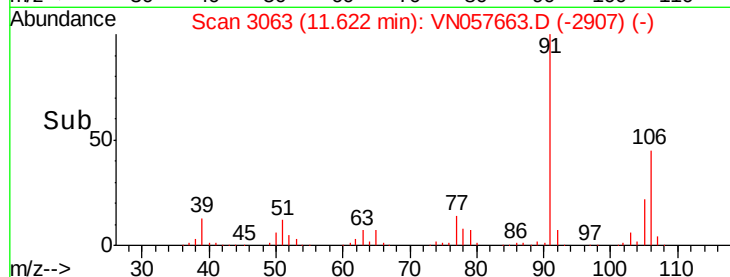
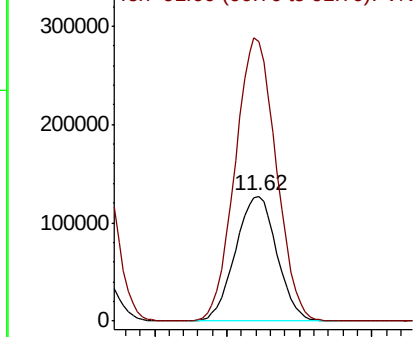
#67
m/p-Xylenes
Concen: 38.476 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 252630
Ion Ratio Lower Upper
106 100
91 223.6 178.9 268.3

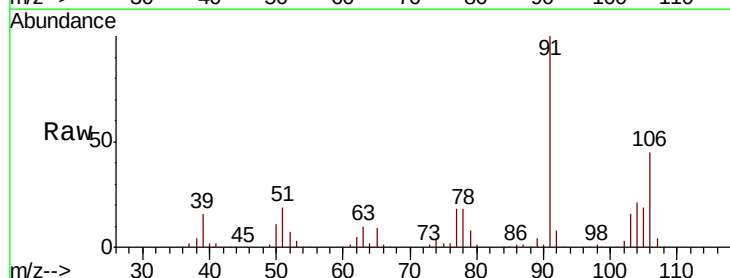


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

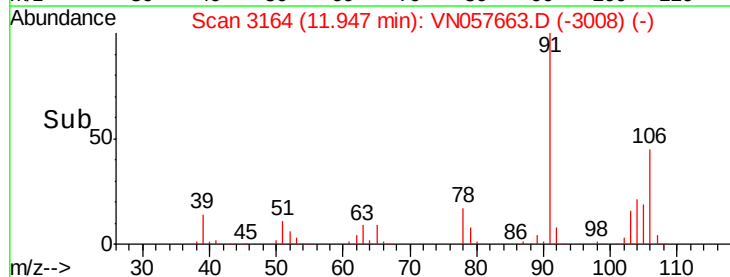
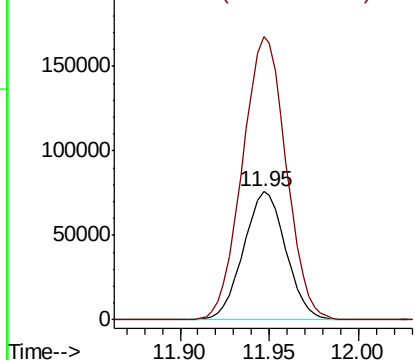


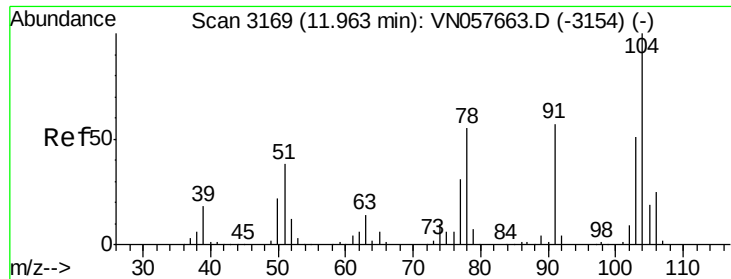
#68
o-Xylene
Concen: 19.067 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:106 Resp: 125982
Ion Ratio Lower Upper
106 100
91 228.0 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#69

Styrene

Concen: 18.515 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

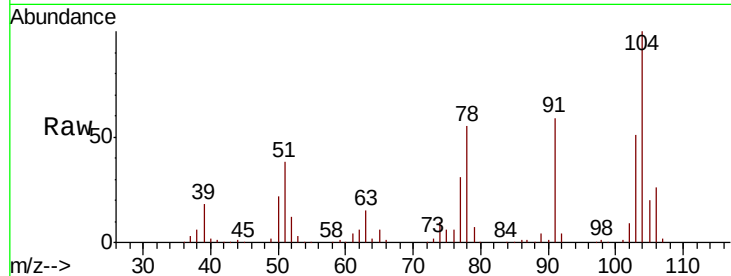
Tgt Ion:104 Resp: 192768

Ion Ratio Lower Upper

104 100

78 61.3 49.0 73.6

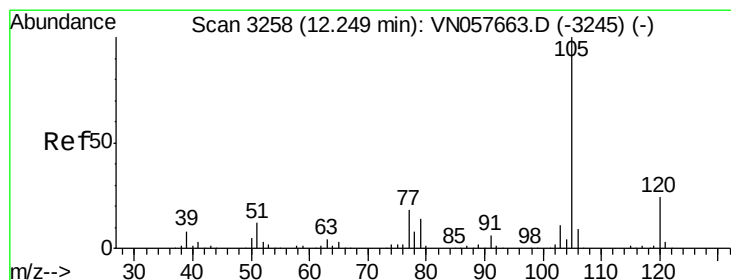
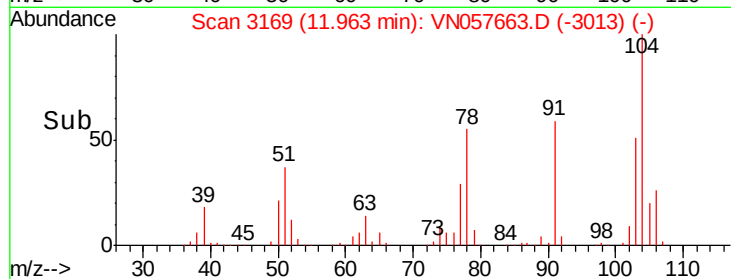
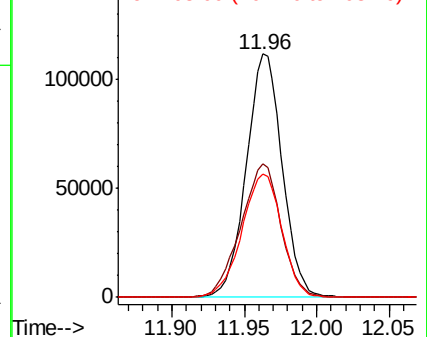
103 56.1 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 21.297 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057663.D

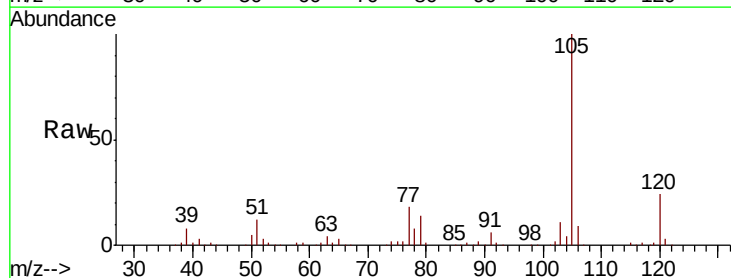
Acq: 3 Sep 2019 15:14

Tgt Ion:105 Resp: 353626

Ion Ratio Lower Upper

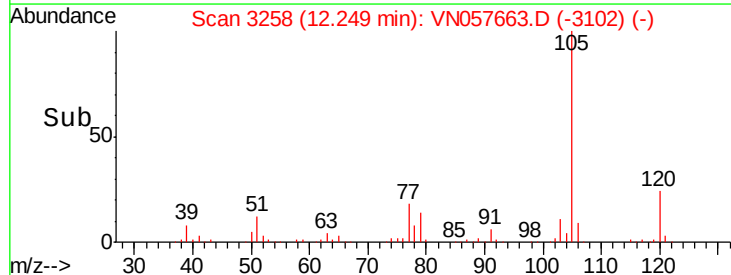
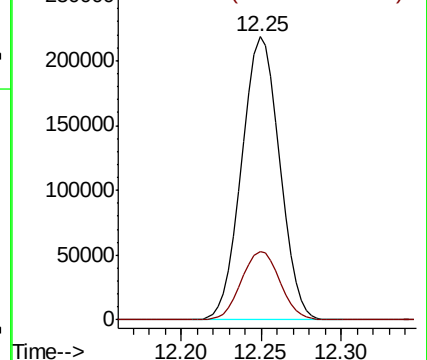
105 100

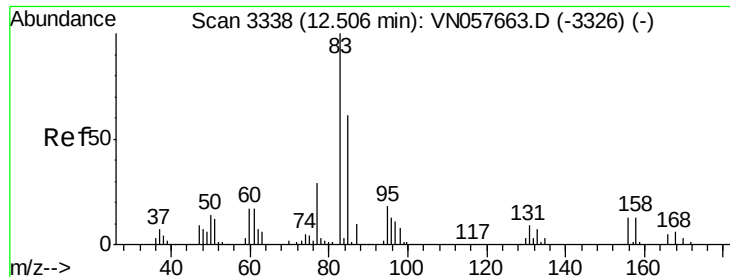
120 24.6 17.2 32.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

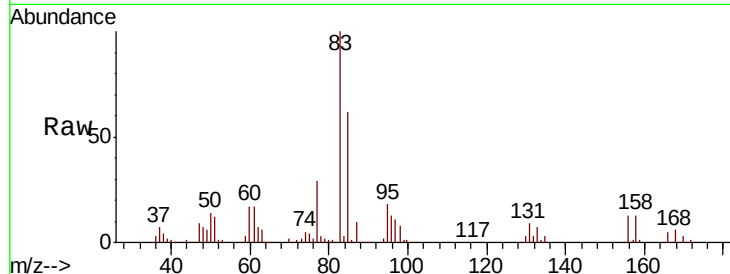




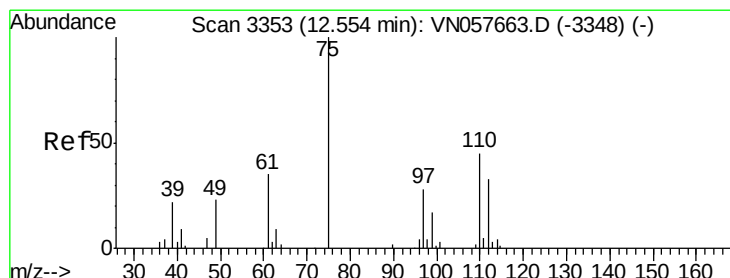
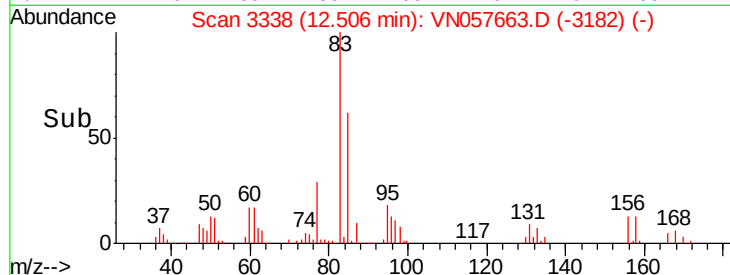
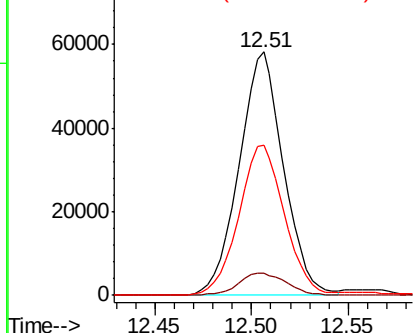
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.751 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 93166
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 14.9
 85 63.4 31.7 95.1

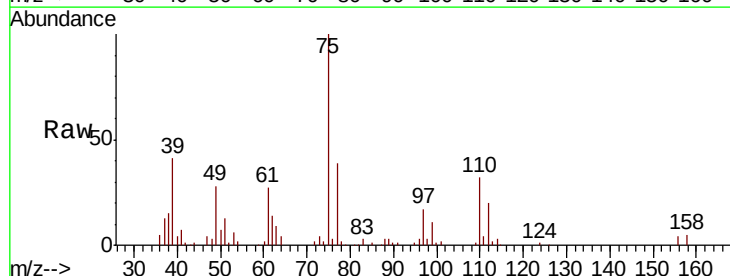


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 131.00 (130.70 to 131.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO

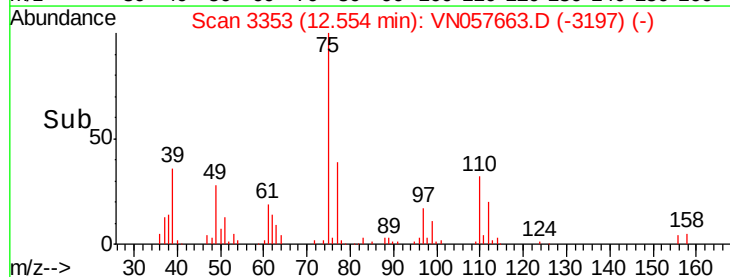
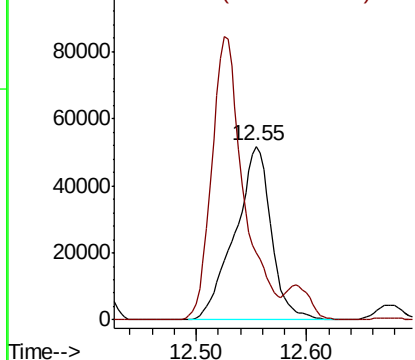


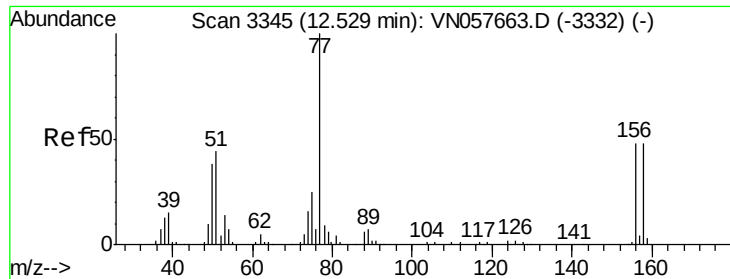
#72
 1,2,3-Trichloropropane
 Concen: 30.595 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 75 Resp: 117954
 Ion Ratio Lower Upper
 75 100
 77 144.0 0.0 405.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 16.506 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

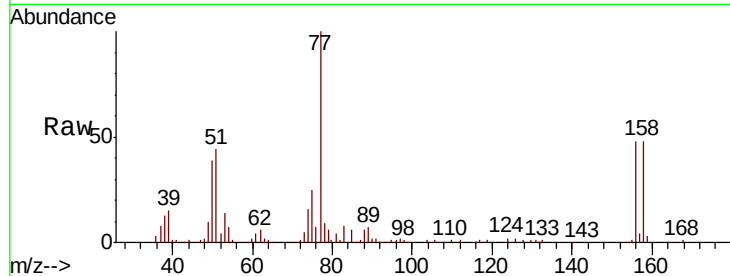
Tgt Ion:156 Resp: 68544

Ion Ratio Lower Upper

156 100

77 247.8 0.0 495.6

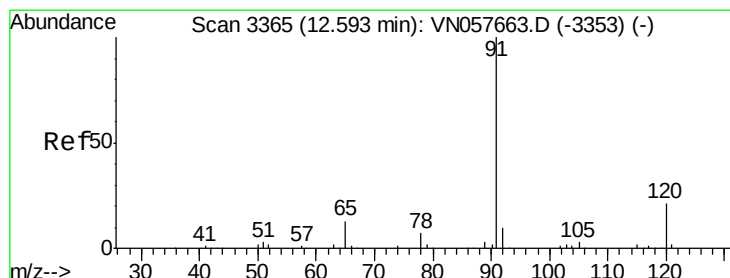
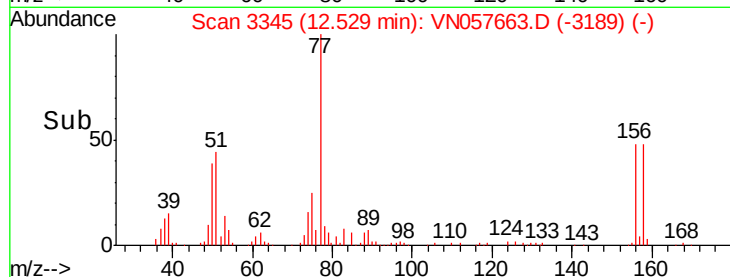
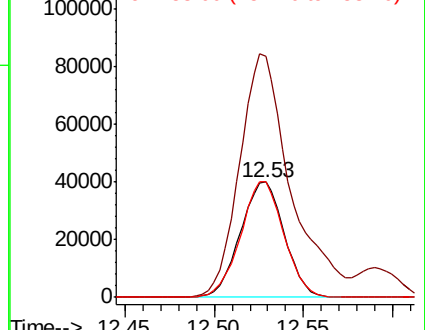
158 98.9 0.0 197.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.462 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057663.D

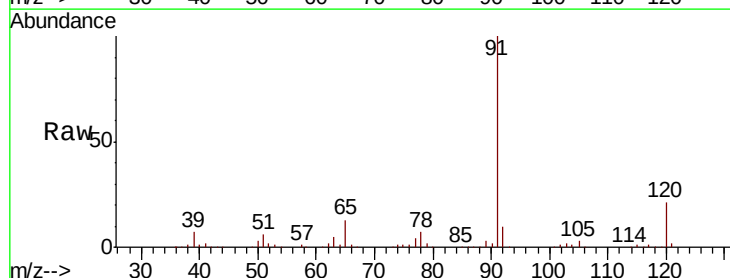
Acq: 3 Sep 2019 15:14

Tgt Ion: 91 Resp: 369219

Ion Ratio Lower Upper

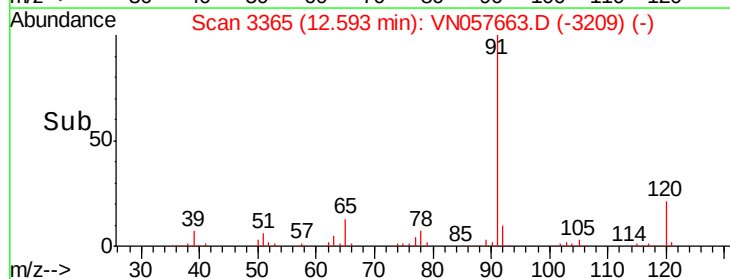
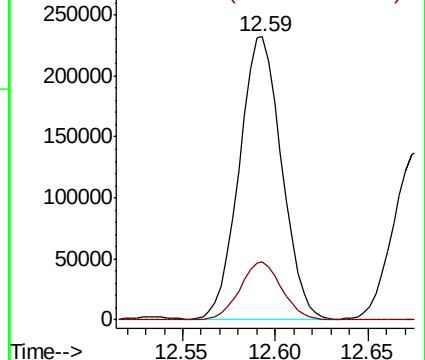
91 100

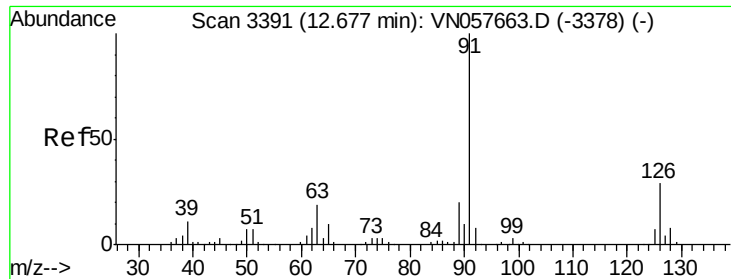
120 20.2 0.0 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.717 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

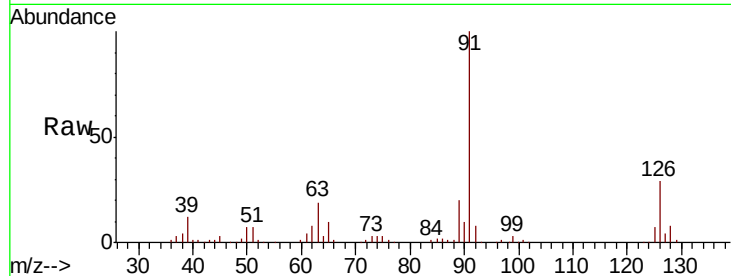
VSTDICCC020

Tgt Ion: 91 Resp: 232060

Ion Ratio Lower Upper

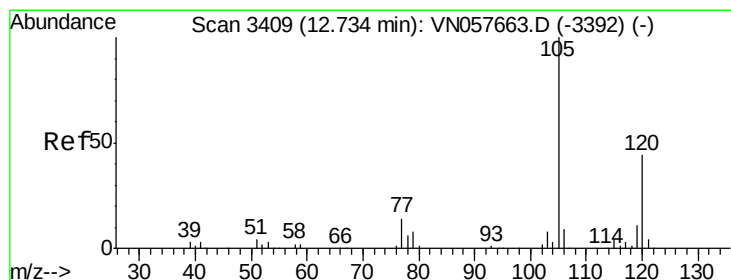
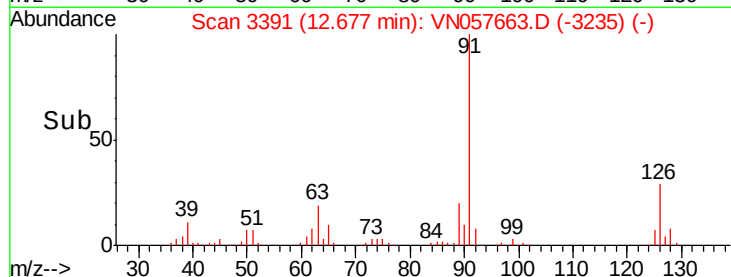
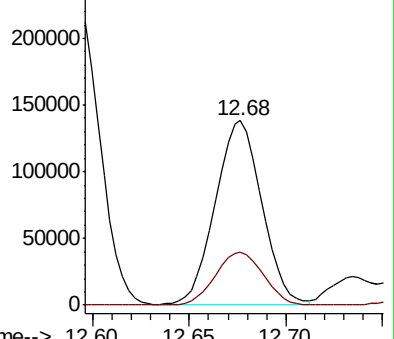
91 100

126 29.6 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.877 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057663.D

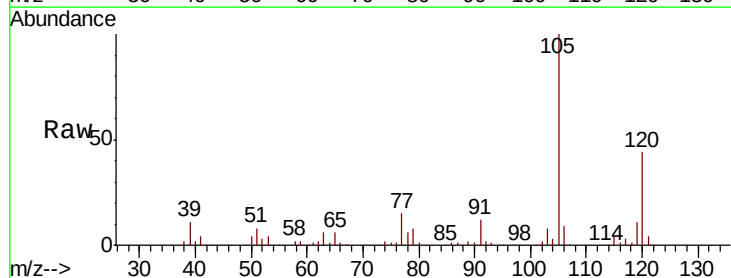
Acq: 3 Sep 2019 15:14

Tgt Ion: 105 Resp: 276922

Ion Ratio Lower Upper

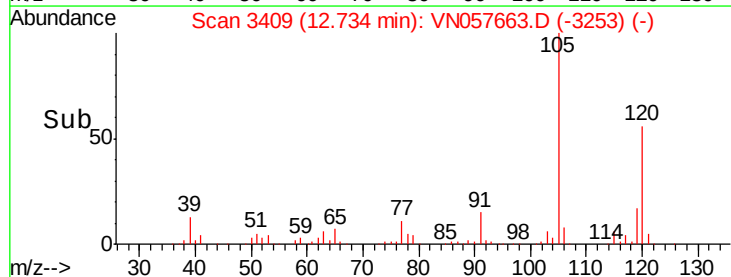
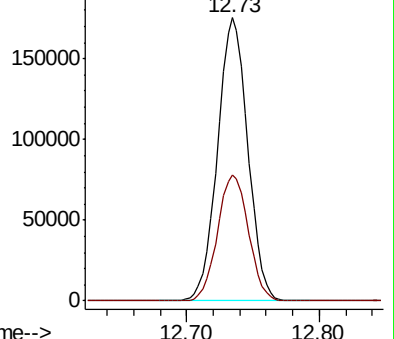
105 100

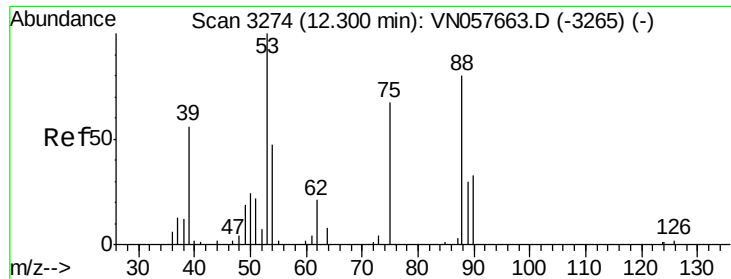
120 45.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)

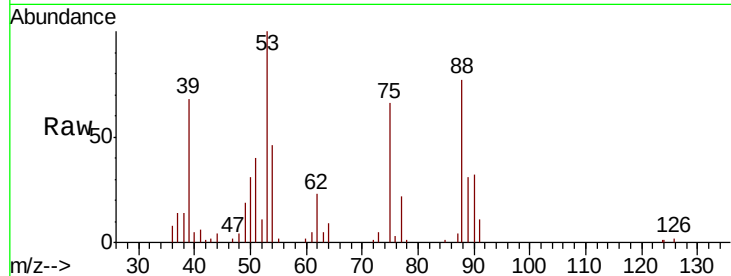




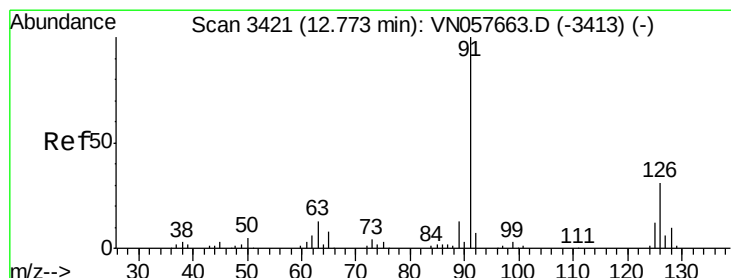
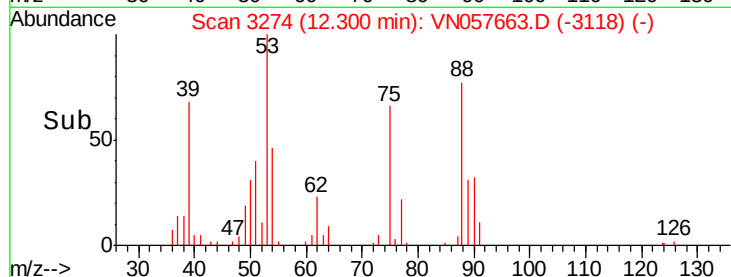
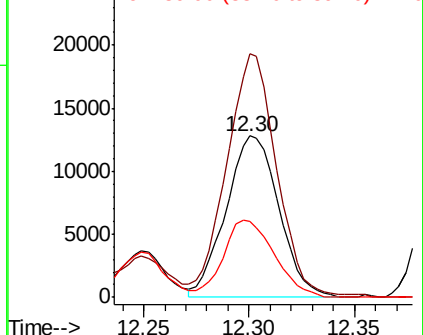
#77
t-1,4-Dichloro-2-butene
Concen: 18.266 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 22336
Ion Ratio Lower Upper
75 100
53 148.4 74.2 222.6
89 46.6 23.3 69.9

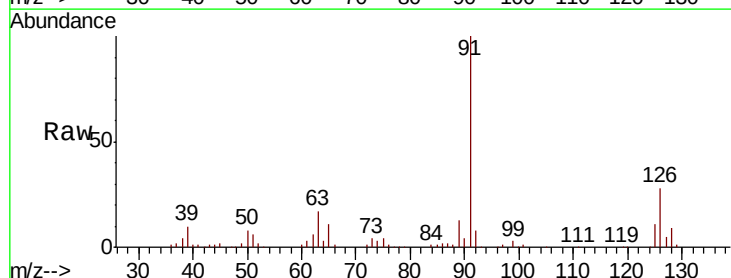


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

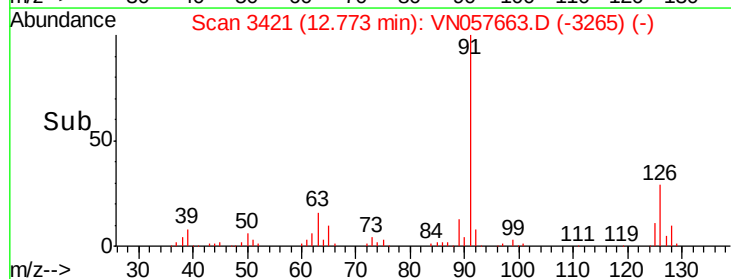
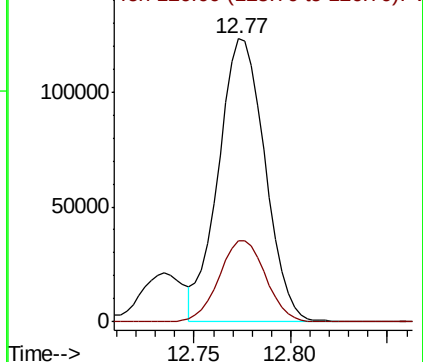


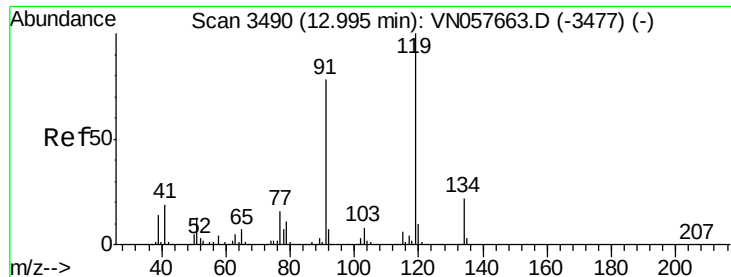
#78
4-Chlorotoluene
Concen: 19.375 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 91 Resp: 205560
Ion Ratio Lower Upper
91 100
126 28.9 0.0 57.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

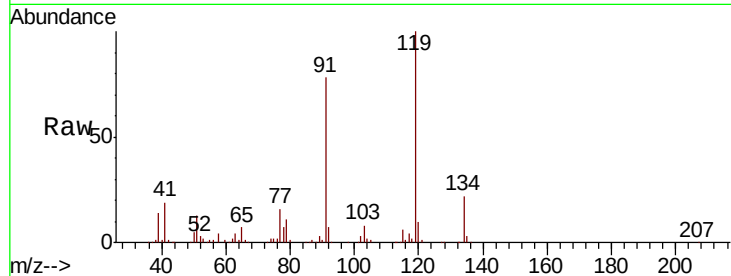




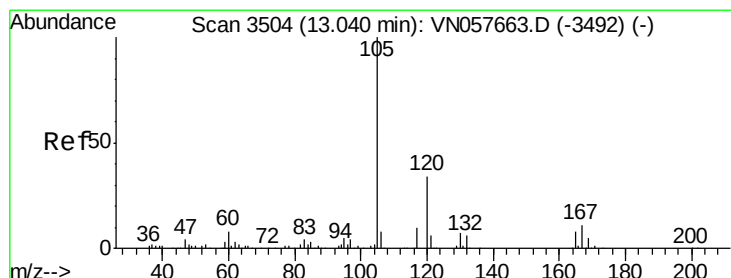
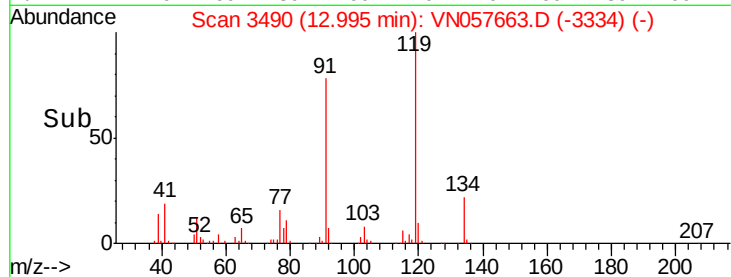
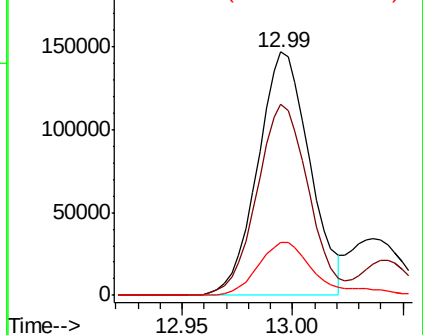
#79
tert-butylbenzene
Concen: 18.947 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 239874
Ion Ratio Lower Upper
119 100
91 77.8 0.0 155.6
134 24.1 0.0 48.2

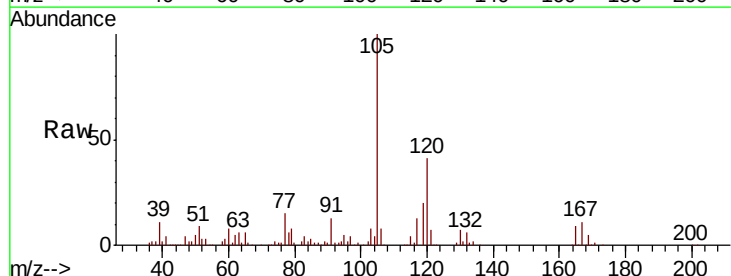


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

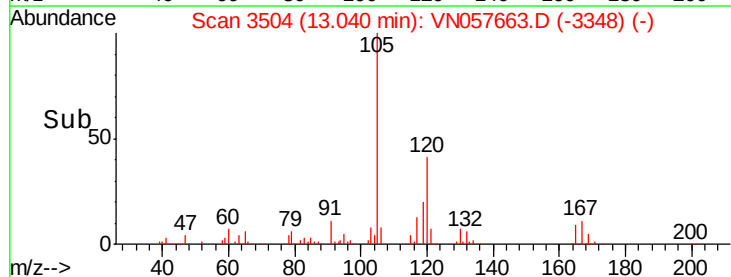
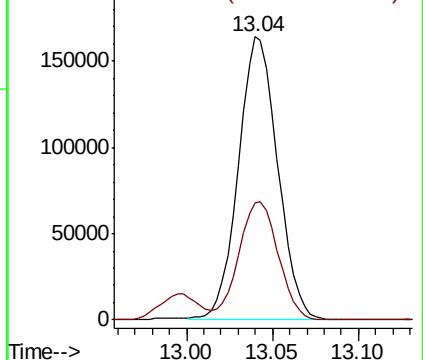


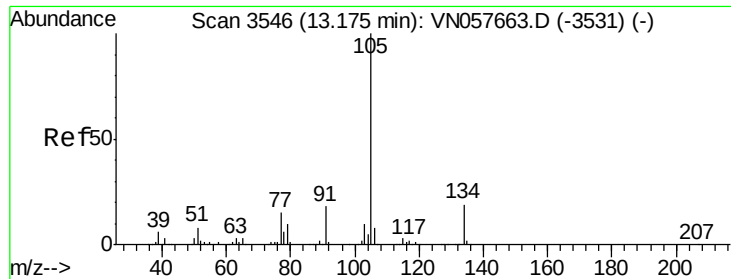
#80
1,2,4-Trimethylbenzene
Concen: 19.926 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:105 Resp: 260015
Ion Ratio Lower Upper
105 100
120 41.7 0.0 83.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

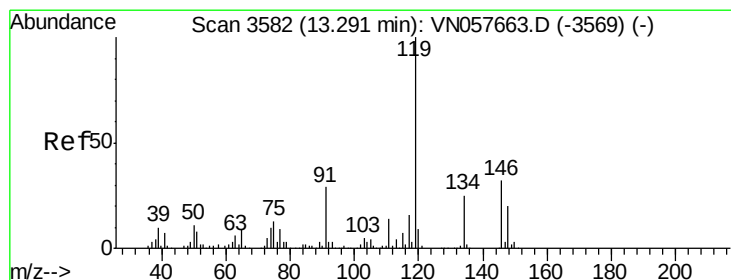
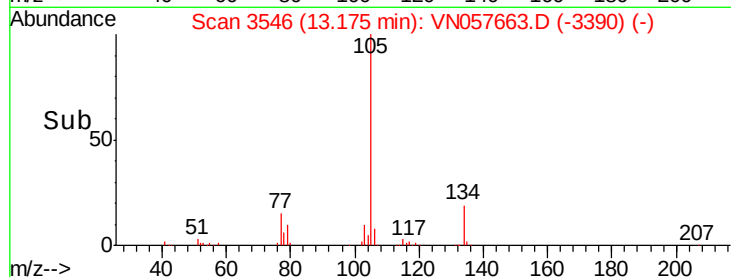
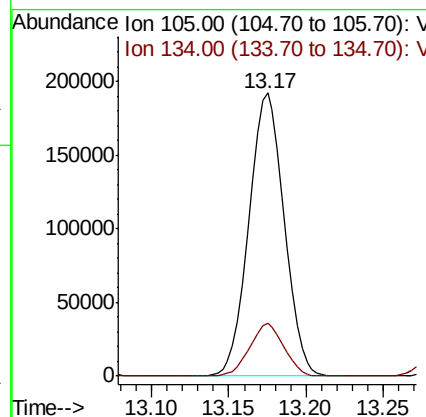
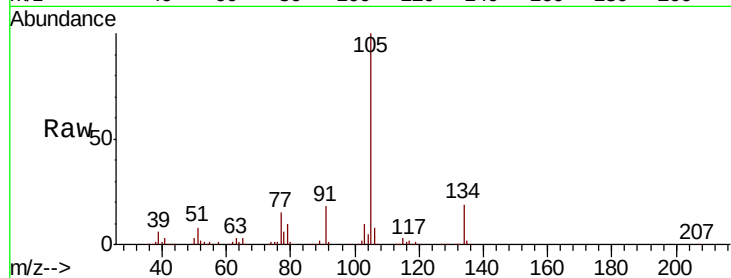




#81
 sec-Butylbenzene
 Concen: 19.826 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

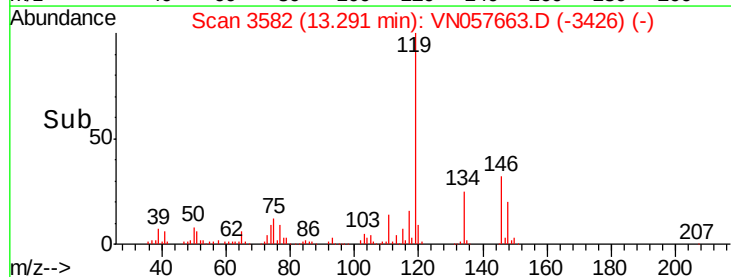
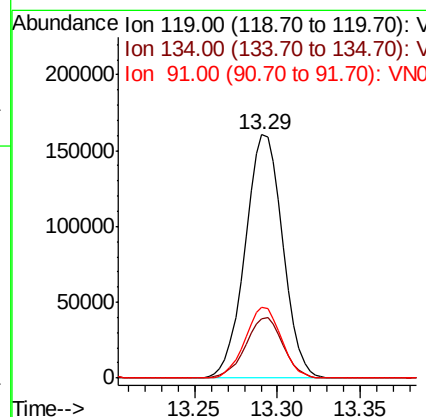
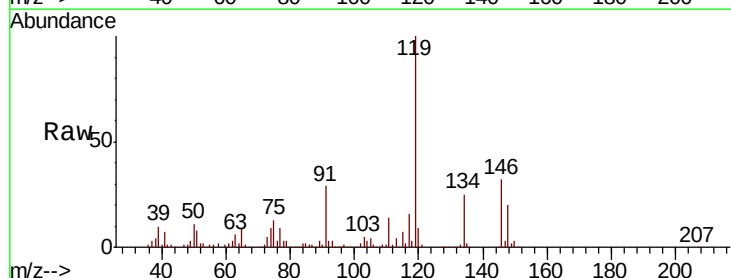
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

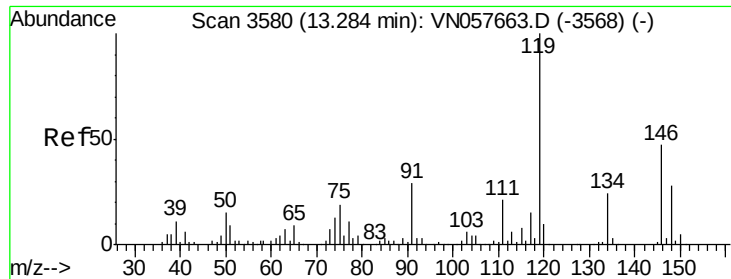
Tgt Ion:105 Resp: 305287
 Ion Ratio Lower Upper
 105 100
 134 18.1 0.0 36.2



#82
 p-Isopropyltoluene
 Concen: 18.659 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion:119 Resp: 252494
 Ion Ratio Lower Upper
 119 100
 134 24.8 0.0 49.6
 91 28.1 0.0 56.2

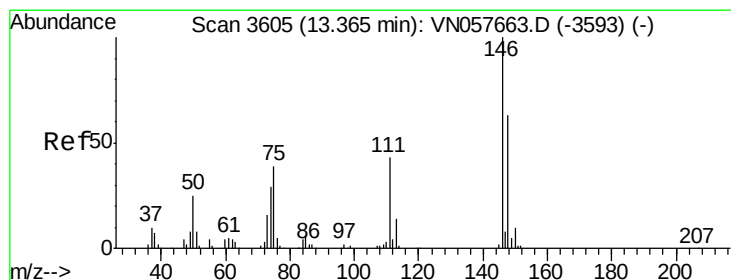
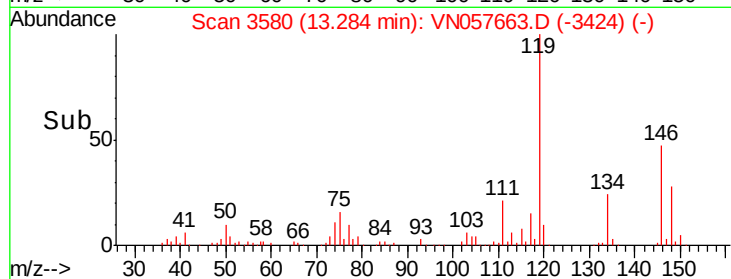
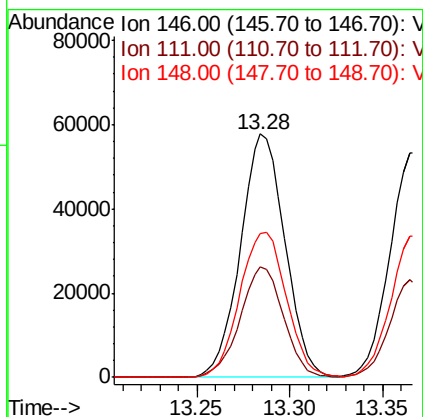
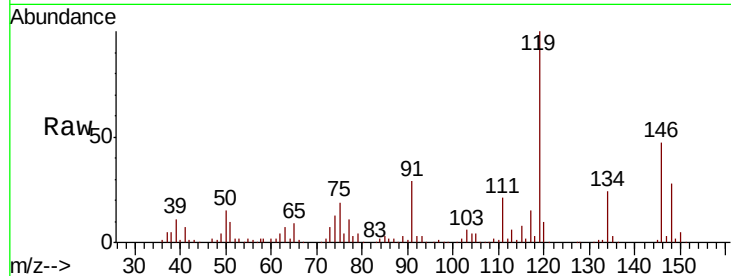




#83
 1,3-Dichlorobenzene
 Concen: 14.492 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

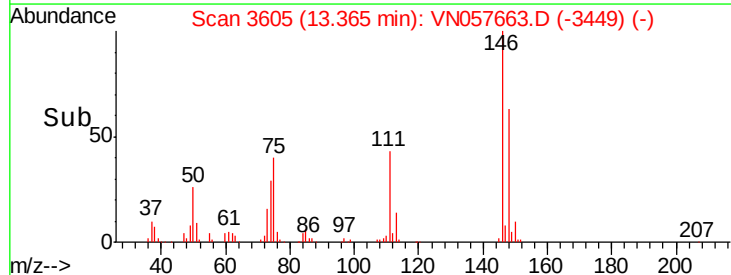
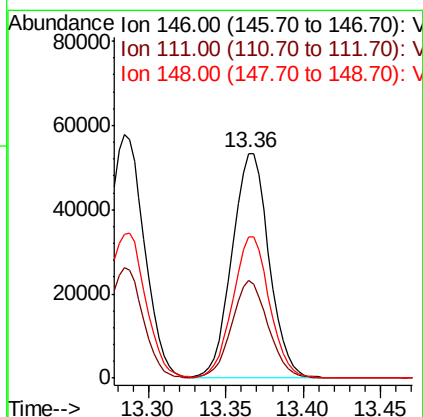
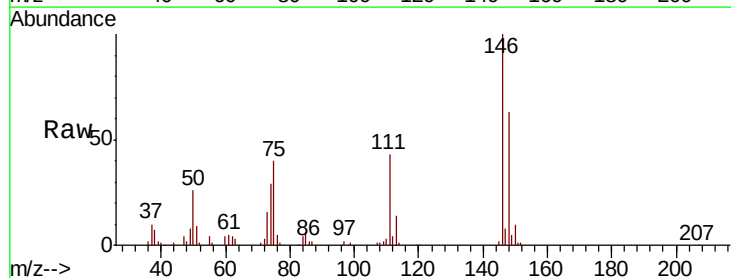
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

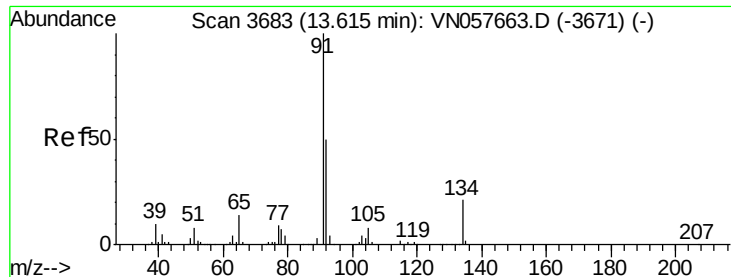
Tgt Ion:146 Resp: 96168
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.1 66.3
 148 62.6 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 13.971 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion:146 Resp: 88576
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 63.9
 148 62.0 31.0 93.0





#85

n-Butylbenzene

Concen: 20.563 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

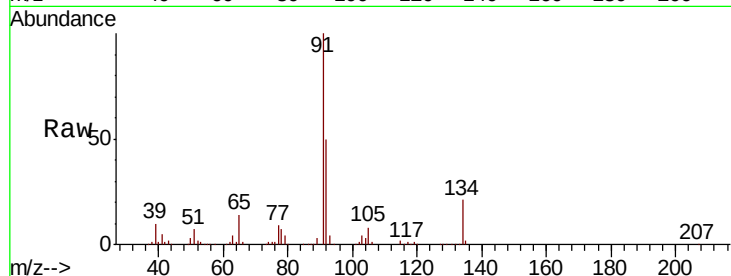
Tgt Ion: 91 Resp: 225650

Ion Ratio Lower Upper

91 100

92 50.1 0.0 100.2

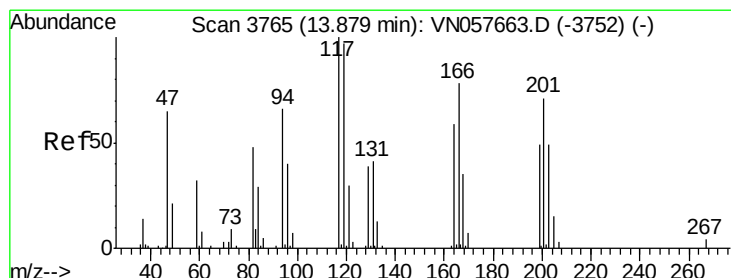
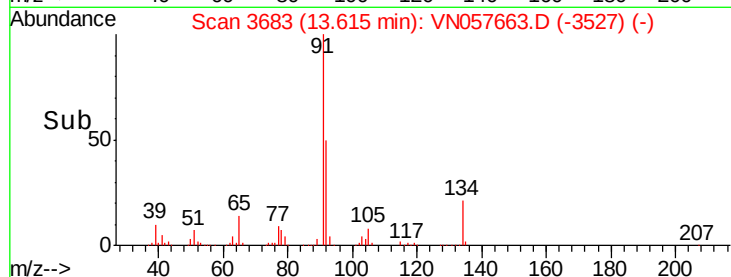
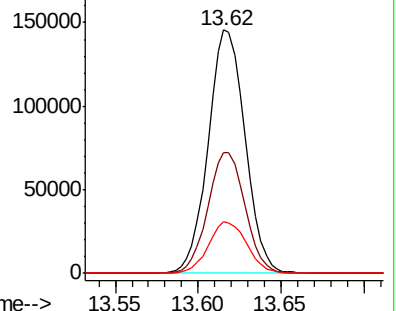
134 21.9 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN057663.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN057663.D (-3671) (-)



#86

Hexachloroethane

Concen: 17.411 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057663.D

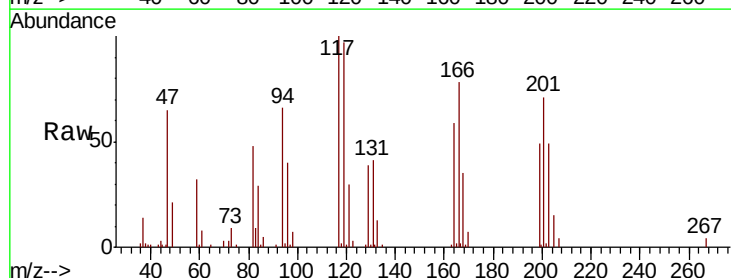
Acq: 3 Sep 2019 15:14

Tgt Ion: 117 Resp: 45714

Ion Ratio Lower Upper

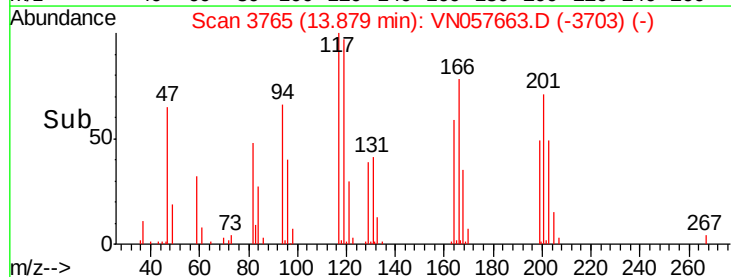
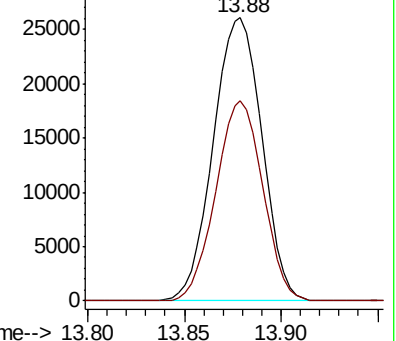
117 100

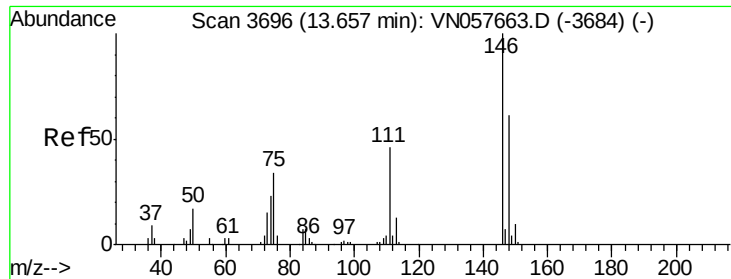
201 68.1 34.1 102.2



Abundance Ion 117.00 (116.70 to 117.70): VN057663.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057663.D (-3752) (-)

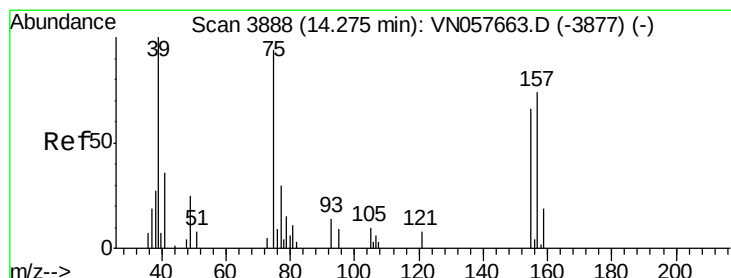
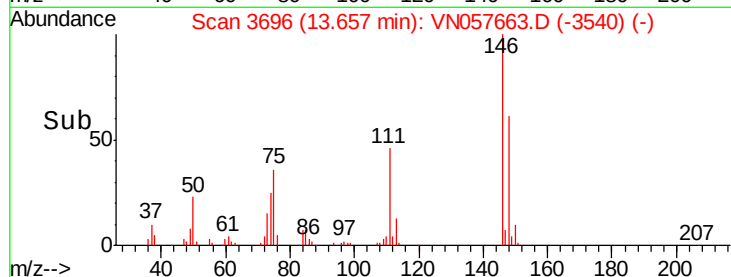
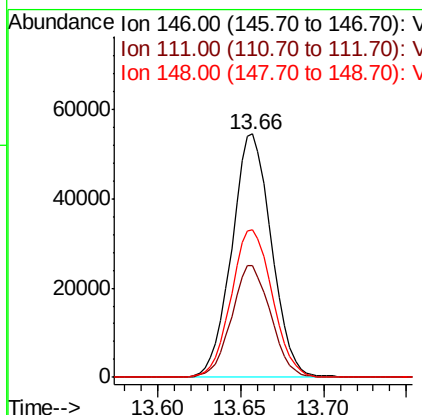
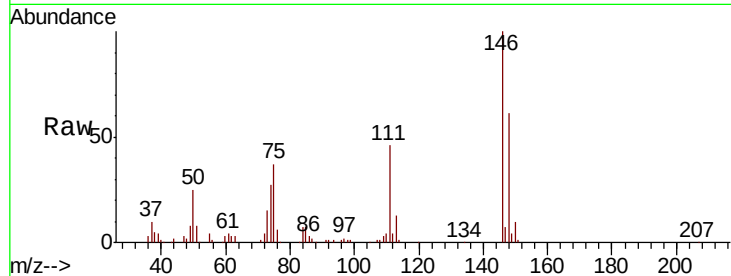




#87
 1,2-Dichlorobenzene
 Concen: 14.417 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

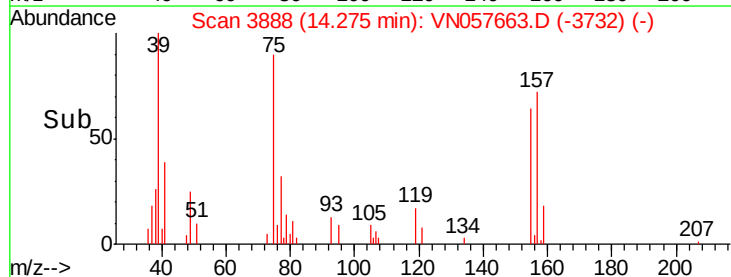
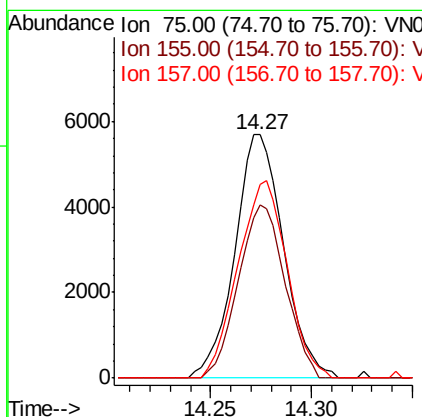
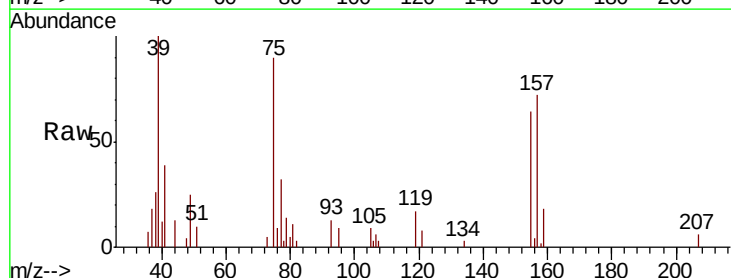
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

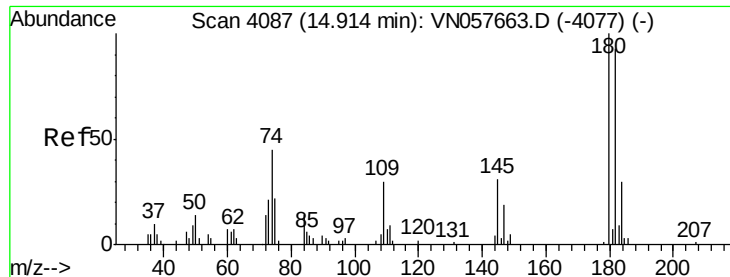
Tgt Ion: 146 Resp: 90854
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.6 67.7
 148 62.6 31.3 93.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.935 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 75 Resp: 9605
 Ion Ratio Lower Upper
 75 100
 155 68.3 54.6 82.0
 157 81.9 65.5 98.3

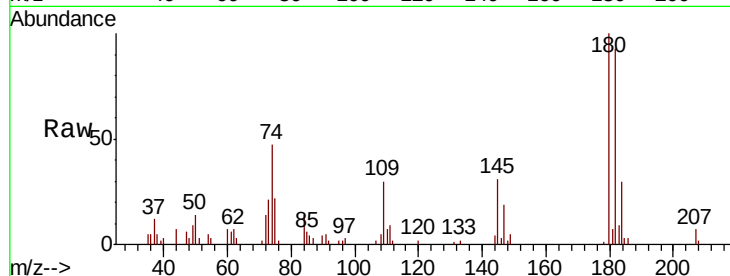




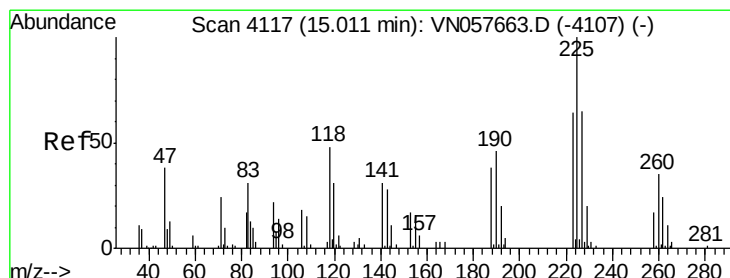
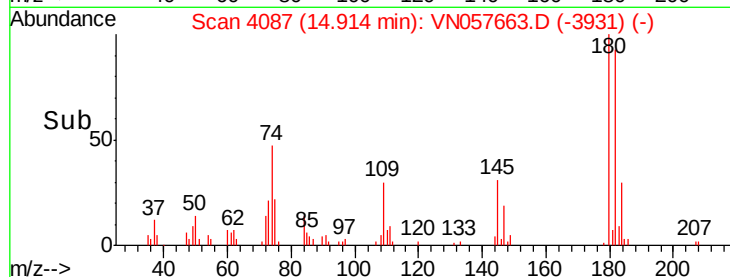
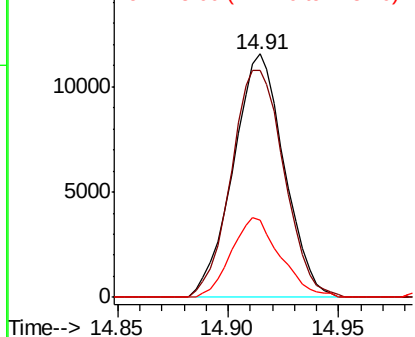
#89
1,2,4-Trichlorobenzene
Concen: 8.067 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:180 Resp: 18572
Ion Ratio Lower Upper
180 100
182 96.8 77.4 116.2
145 31.4 25.1 37.7

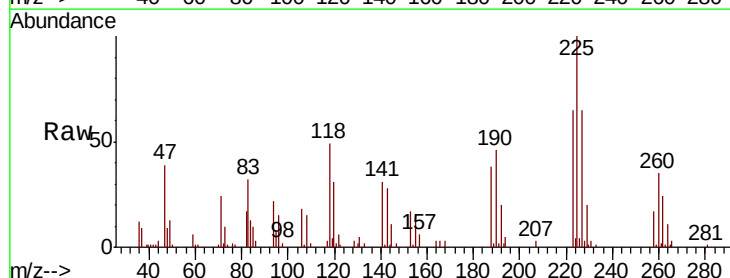


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

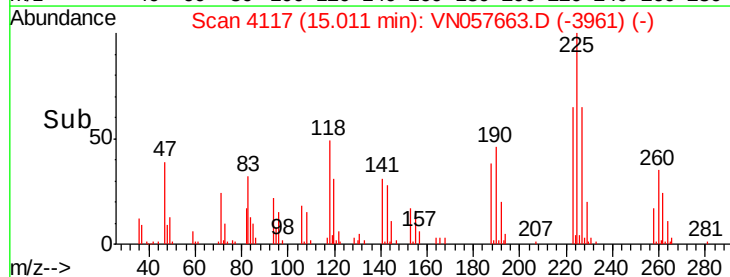
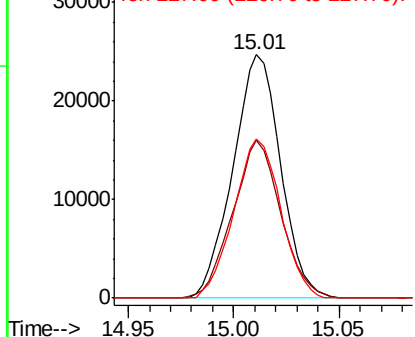


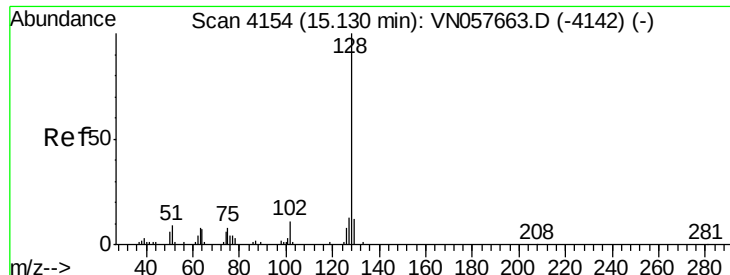
#90
Hexachlorobutadiene
Concen: 18.506 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:225 Resp: 38751
Ion Ratio Lower Upper
225 100
223 65.5 0.0 131.0
227 64.3 0.0 128.6



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

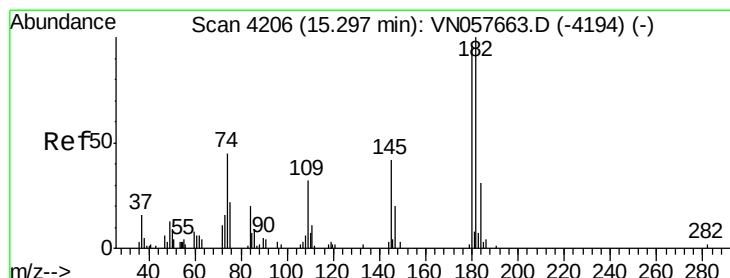
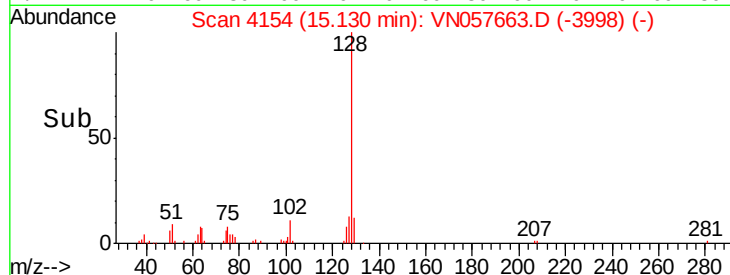
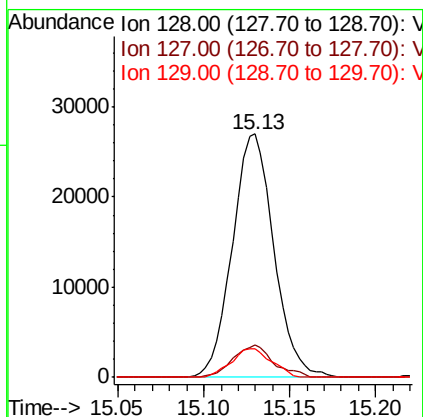
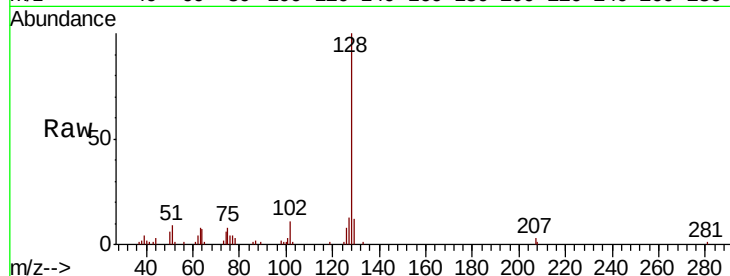




#91
Naphthalene
Concen: 7.214 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 45281
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.4 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 8.052 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:180 Resp: 18304
Ion Ratio Lower Upper
180 100
182 99.7 0.0 199.4
145 36.6 0.0 73.2

