

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057667.D
 Acq On : 3 Sep 2019 17:05
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

Quant Time: Sep 04 02:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71509	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	445941	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	382394	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	236870	31.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.87%
60) 4-Bromofluorobenzene	12.40	95	189562	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	10.09	98	559799	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	113736	22.077 ug/l	98
3) Chloromethane	2.05	50	116311	21.408 ug/l	97
4) Vinyl Chloride	2.18	62	95106	21.407 ug/l	99
5) Bromomethane	2.54	94	62467	21.993 ug/l	97
6) Chloroethane	2.69	64	65877	20.306 ug/l	97
7) Trichlorofluoromethane	3.01	101	182274	21.421 ug/l	94
8) Diethyl Ether	3.40	74	59780	21.359 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	92805	20.987 ug/l	99
10) 1,1-Dichloroethene	3.73	96	86949	21.553 ug/l	97
11) Methyl Iodide	3.95	142	108711	19.459 ug/l	98
12) Methyl Acetate	4.31	43	130640	21.689 ug/l	100
13) Acrolein	3.60	56	33350	97.582 ug/l	92
14) Acrylonitrile	4.97	53	229123	104.519 ug/l	98
15) Acetone	3.80	58	69252	112.623 ug/l	97
16) Carbon Disulfide	4.05	76	210356	20.757 ug/l	99
17) Allyl chloride	4.31	41	185485	21.528 ug/l	94
18) Methylene Chloride	4.54	84	103449	20.463 ug/l	93
19) trans-1,2-Dichloroethene	5.03	96	91398	21.418 ug/l	96
20) Diisopropyl ether	5.93	45	396458	21.354 ug/l	96
21) 1,1-Dichloroethane	5.83	63	202159	21.125 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	108937	20.900 ug/l	95
23) tert-Butyl Alcohol	4.75	59	90574	113.630 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	342445	21.363 ug/l	100
25) Chloroform	7.36	83	210715	21.242 ug/l	96
26) Cyclohexane	7.64	56	166958	20.489 ug/l	# 96
29) 1,1-Dichloropropene	7.78	75	146012	20.504 ug/l	98
30) 2-Butanone	6.82	43	358534	106.582 ug/l	# 98
31) 2,2-Dichloropropane	6.81	77	184768	20.965 ug/l	# 77
32) 1,1,1-Trichloroethane	7.56	97	181764	20.617 ug/l	99
33) Carbon Tetrachloride	7.77	117	148899	20.798 ug/l	97
34) Benzene	8.03	78	416470	20.360 ug/l	97
35) Methacrylonitrile	7.19	41	219399	71.197 ug/l	# 65
36) 1,2-Dichloroethane	8.11	62	187492	20.568 ug/l	# 100
37) Trichloroethene	8.83	130	100618	20.715 ug/l	97
38) Methylcyclohexane	9.07	83	164252	20.786 ug/l	96
39) 1,2-Dichloropropane	9.11	63	115706	20.686 ug/l	94
40) Dibromomethane	9.20	93	76397	21.070 ug/l	99

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

41) Bromodichloromethane	9.40	83	155430	19.833	ug/l #	92
42) Vinyl Acetate	5.88	43	1625381	109.932	ug/l	100
43) Ethyl Acetate	6.91	43	146972	21.217	ug/l #	83
44) Isopropyl Acetate	8.15	43	268829	20.758	ug/l	97
45) 1,4-Dioxane	9.19	88	35936	432.271	ug/l	93
46) Methyl methacrylate	9.19	41	130728	20.804	ug/l	97
47) n-amyl Acetate	12.07	43	201177	20.031	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	161265	19.617	ug/l	93
49) cis-1,3-Dichloropropene	9.83	75	178257	20.324	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	97948	20.029	ug/l	99
51) Ethyl methacrylate	10.43	69	157178	19.716	ug/l	98
52) 1,3-Dichloropropane	10.71	76	176810	20.313	ug/l	100
53) Dibromochloromethane	10.90	129	102382	20.060	ug/l	97
54) 1,2-Dibromoethane	11.00	107	100667	20.593	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	244195	96.949	ug/l	100
56) Bromoform	12.13	173	58831	18.588	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	771084	114.101	ug/l	98
59) 2-Hexanone	10.75	43	524543	109.688	ug/l	99
61) Tetrachloroethene	10.63	164	92675	21.106	ug/l	97
62) Toluene	10.15	91	450685	20.991	ug/l	99
64) Chlorobenzene	11.43	112	257599	20.433	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	97169	21.039	ug/l	95
66) Ethyl Benzene	11.51	91	506660	21.112	ug/l	98
67) m/p-Xylenes	11.62	106	340592	40.466	ug/l	99
68) o-Xylene	11.95	106	166128	19.822	ug/l	92
69) Styrene	11.96	104	265033	19.730	ug/l	100
70) Isopropylbenzene	12.25	105	477960	20.792	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	127540	21.086	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	166592	29.287	ug/l	59
73) Bromobenzene	12.53	156	97248	19.963	ug/l	96
74) n-propylbenzene	12.59	91	526101	20.674	ug/l	100
75) 2-Chlorotoluene	12.68	91	320521	20.119	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	397258	20.816	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34497	19.867	ug/l	87
78) 4-Chlorotoluene	12.78	91	301951	19.949	ug/l	99
79) tert-butylbenzene	12.99	119	335190	20.451	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	379381	21.158	ug/l	99
81) sec-Butylbenzene	13.17	105	432424	20.473	ug/l	100
82) p-Isopropyltoluene	13.29	119	365778	20.389	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	147330	20.194	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	134272	19.495	ug/l	99
85) n-Butylbenzene	13.62	91	337821	21.424	ug/l	99
86) Hexachloroethane	13.88	117	67621	20.830	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	135402	20.116	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16440	18.540	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	38412	16.470	ug/l	95
90) Hexachlorobutadiene	15.01	225	59426	22.973	ug/l	99
91) Naphthalene	15.13	128	88080	14.541	ug/l	97
92) 1,2,3-Trichlorobenzene	15.30	180	34700	15.312	ug/l	97

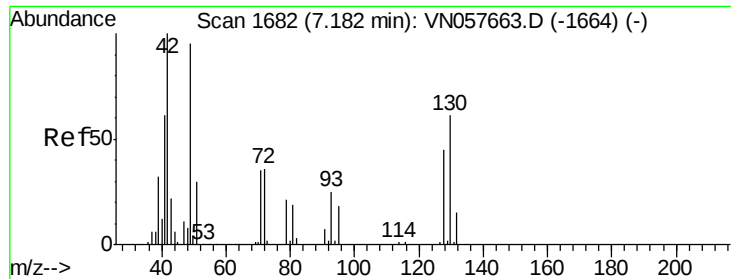
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

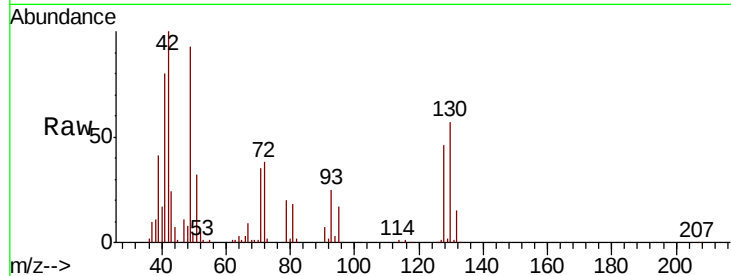
Tgt Ion:128 Resp: 71509

Ion Ratio Lower Upper

128 100

49 218.1 0.0 544.5

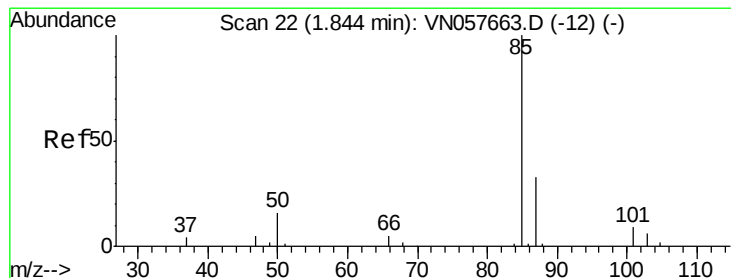
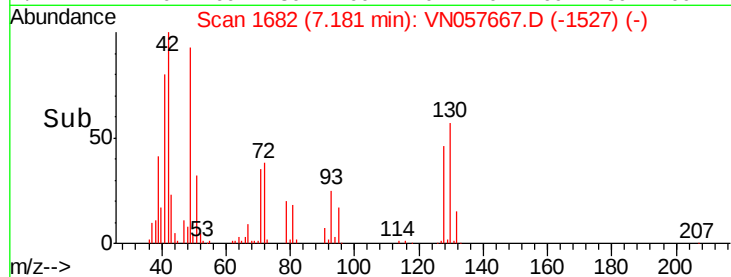
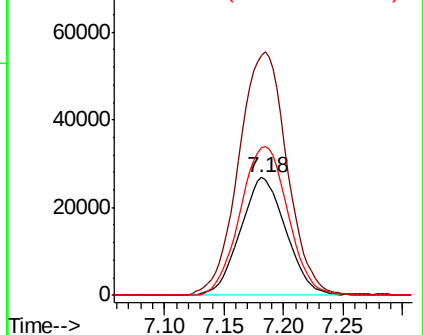
130 132.4 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.077 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057667.D

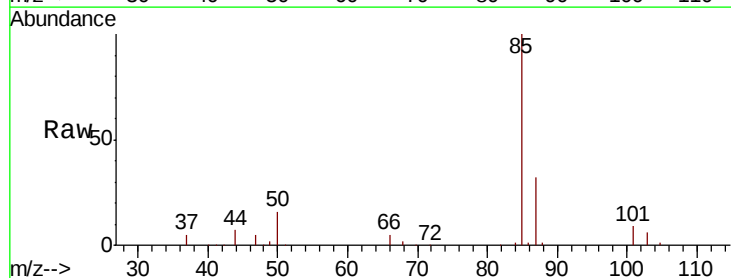
Acq: 3 Sep 2019 17:05

Tgt Ion: 85 Resp: 113736

Ion Ratio Lower Upper

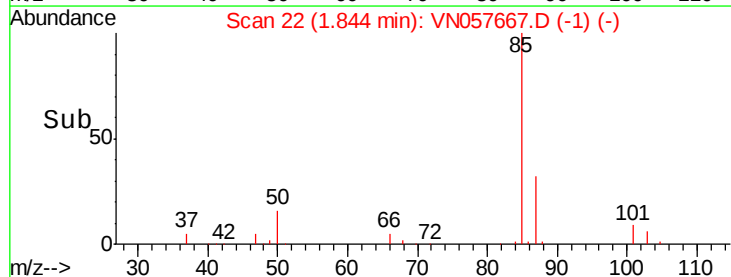
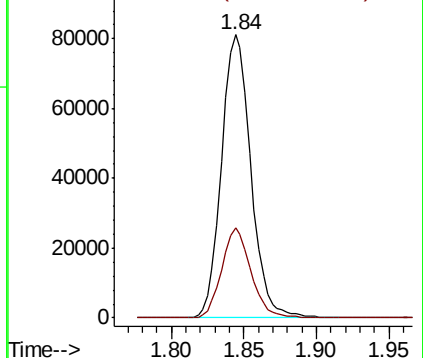
85 100

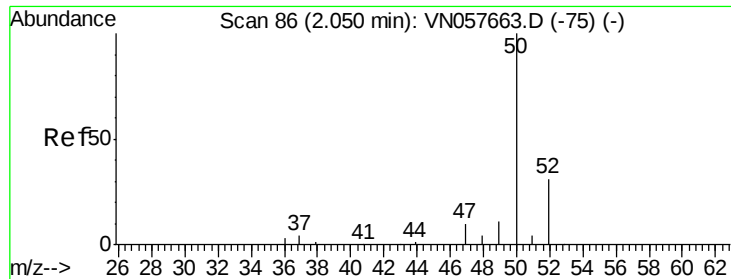
87 31.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.408 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

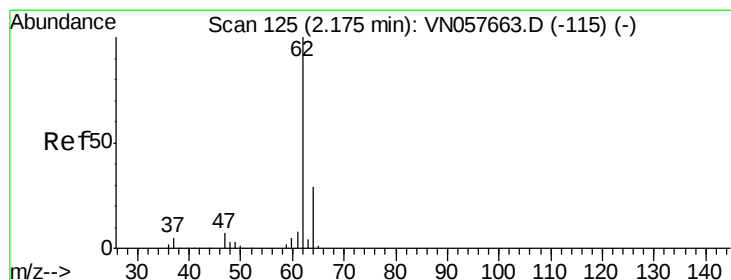
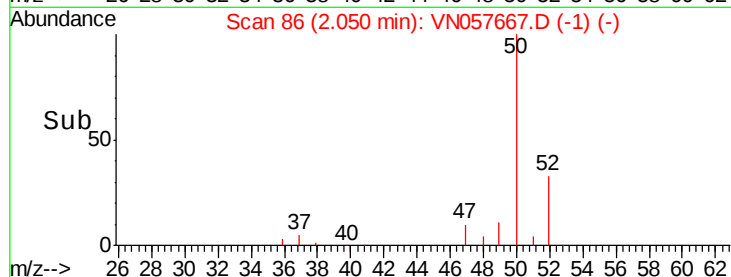
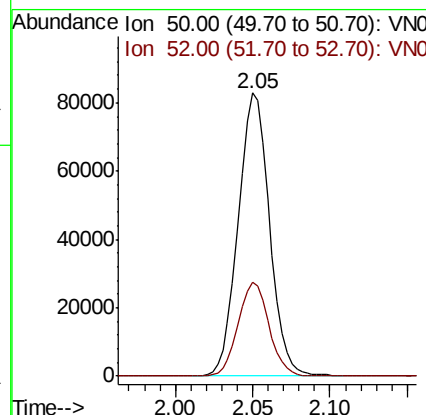
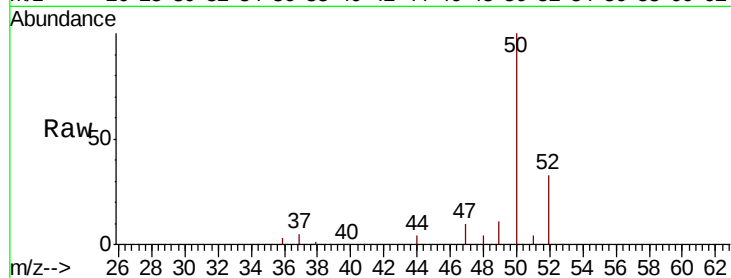
ICVVN090319

Tgt Ion: 50 Resp: 116311

Ion Ratio Lower Upper

50 100

52 33.0 25.2 37.8



#4

Vinyl Chloride

Concen: 21.407 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057667.D

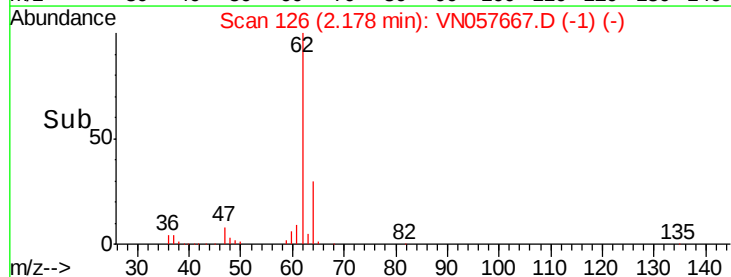
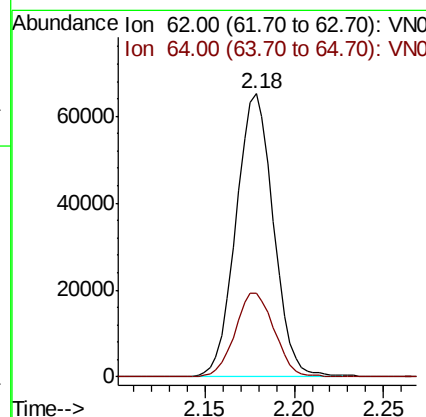
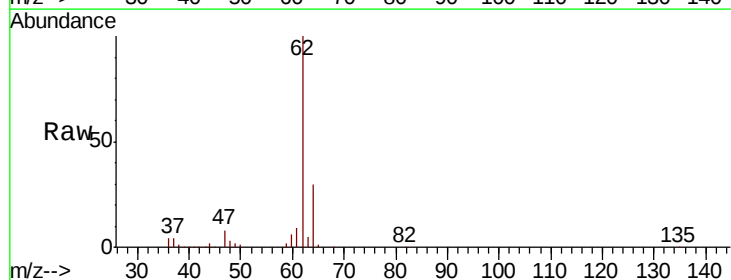
Acq: 3 Sep 2019 17:05

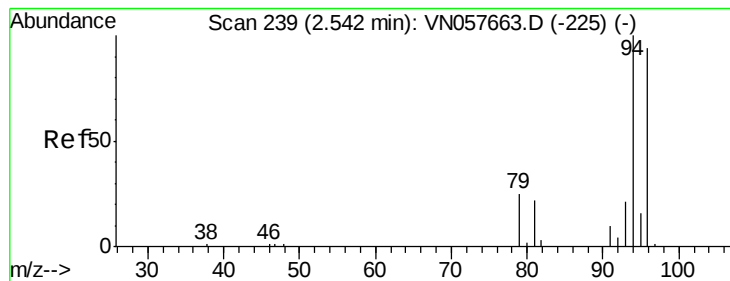
Tgt Ion: 62 Resp: 95106

Ion Ratio Lower Upper

62 100

64 29.6 23.2 34.8





#5

Bromomethane

Concen: 21.993 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

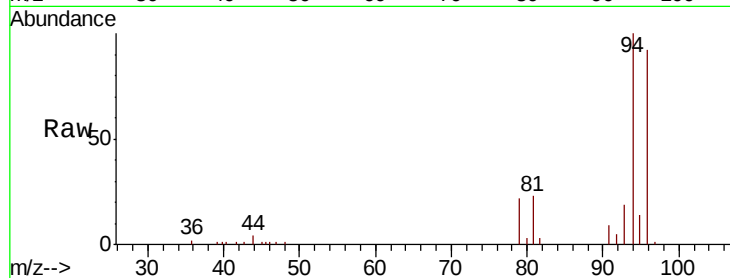
ICVVN090319

Tgt Ion: 94 Resp: 62467

Ion Ratio Lower Upper

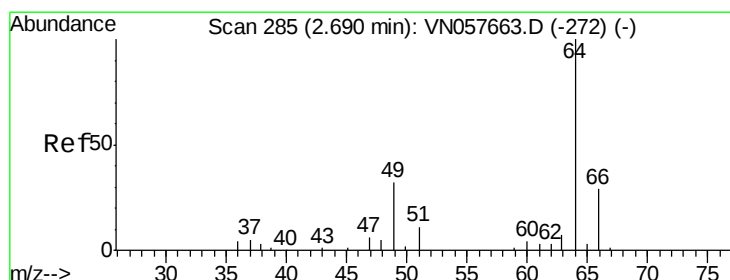
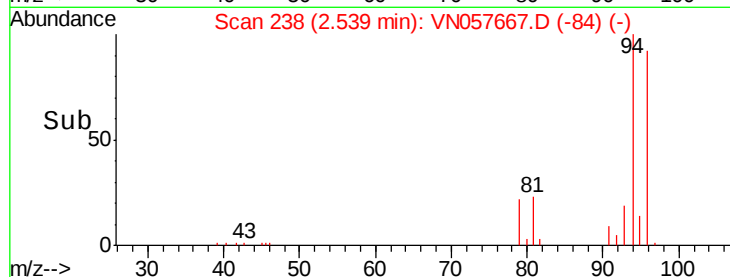
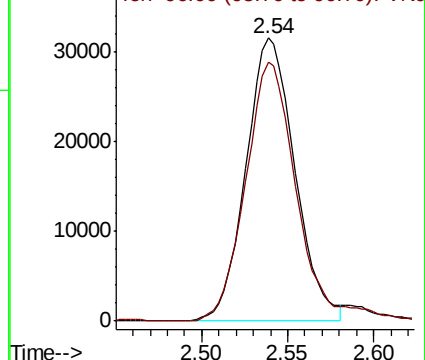
94 100

96 91.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.306 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057667.D

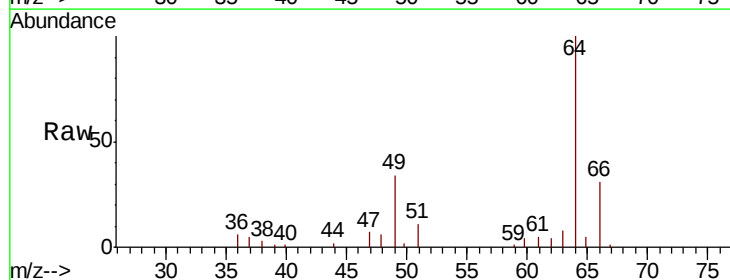
Acq: 3 Sep 2019 17:05

Tgt Ion: 64 Resp: 65877

Ion Ratio Lower Upper

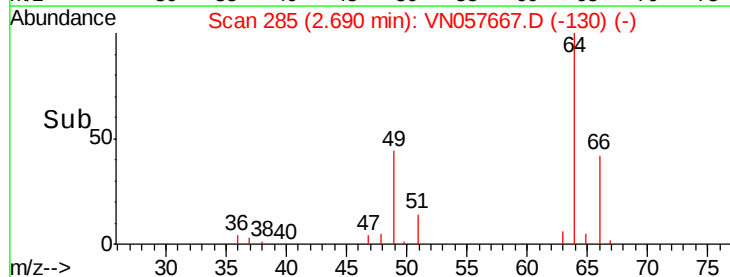
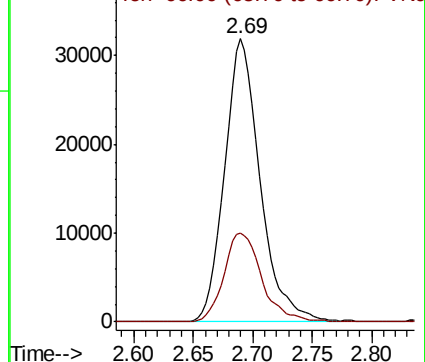
64 100

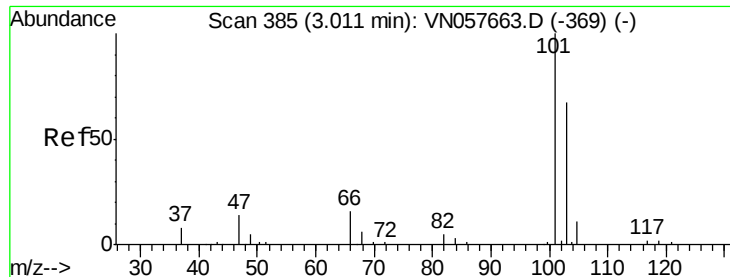
66 31.2 23.5 35.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



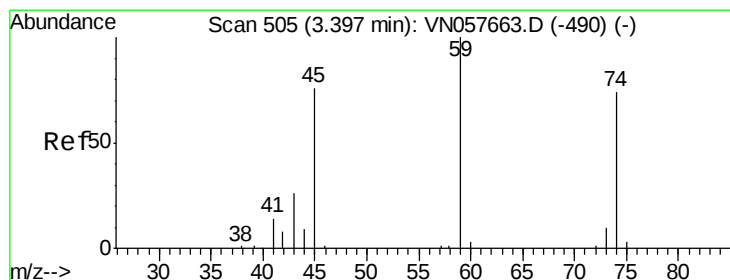
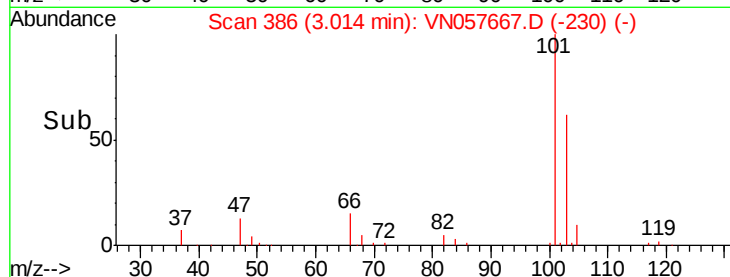
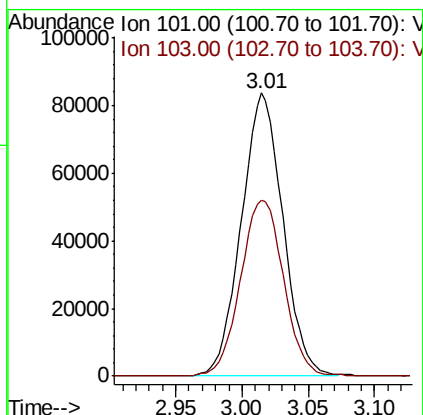
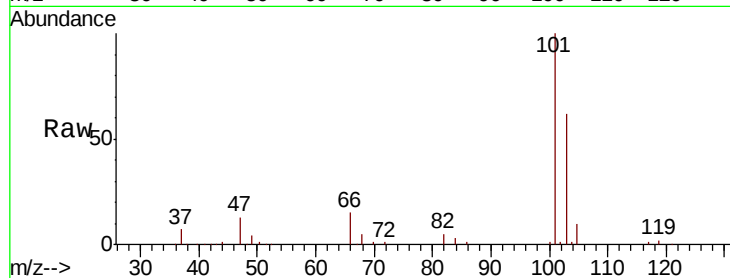


#7

Trichlorofluoromethane
 Concen: 21.421 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Instrument :
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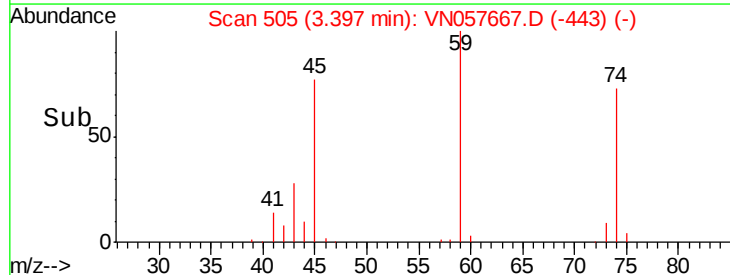
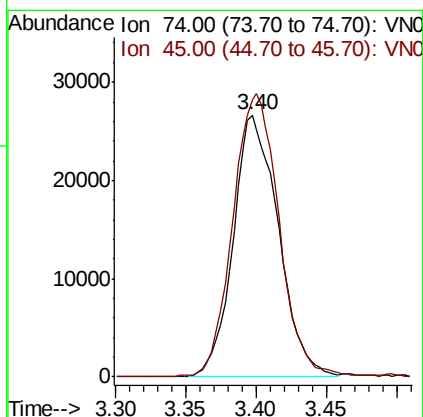
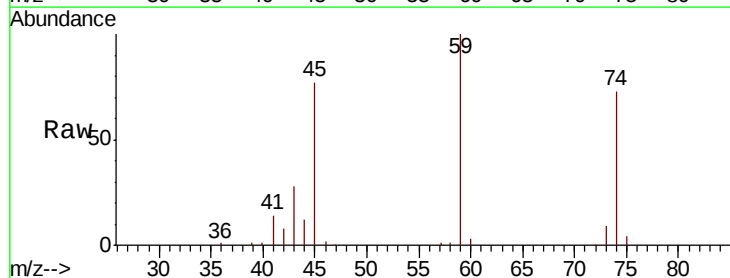
Tgt Ion: 101 Resp: 182274
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.6 80.4

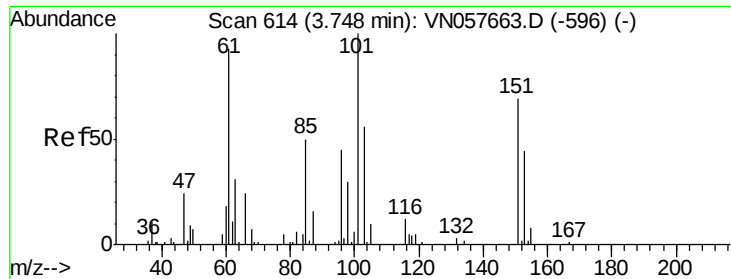


#8

Diethyl Ether
 Concen: 21.359 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 74 Resp: 59780
 Ion Ratio Lower Upper
 74 100
 45 110.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.987 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

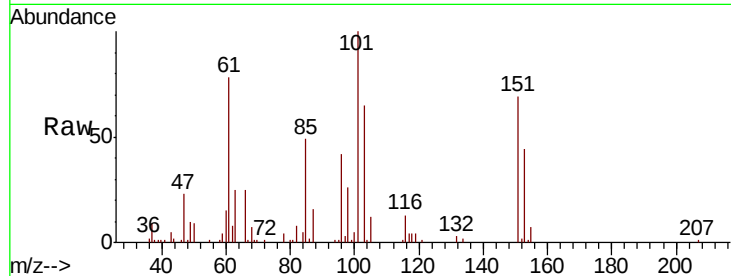
Tgt Ion:101 Resp: 92805

Ion Ratio Lower Upper

101 100

85 49.9 0.0 100.2

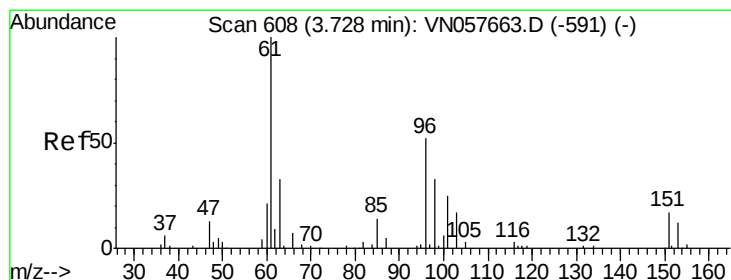
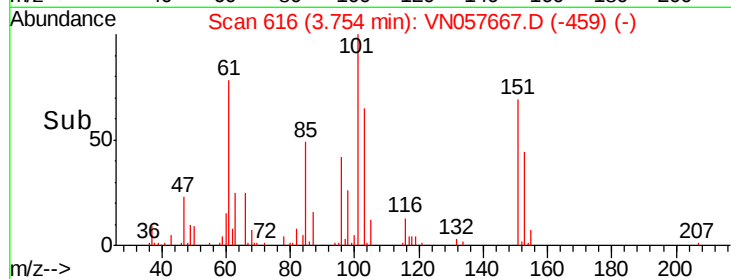
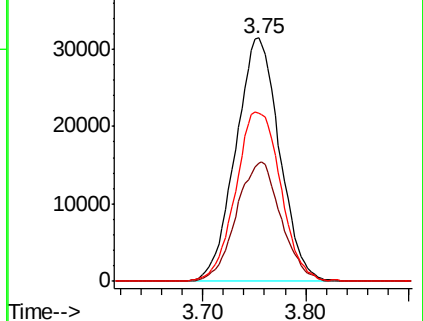
151 71.5 0.0 140.6



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: 21.553 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

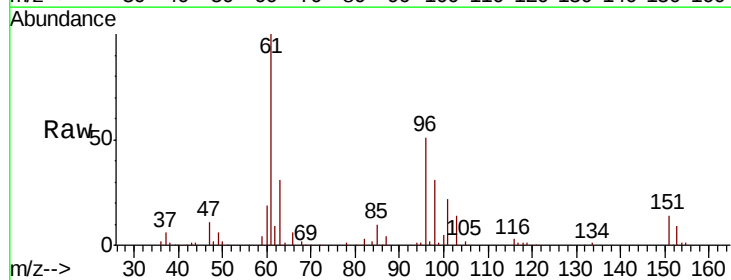
Tgt Ion: 96 Resp: 86949

Ion Ratio Lower Upper

96 100

61 194.2 152.9 229.3

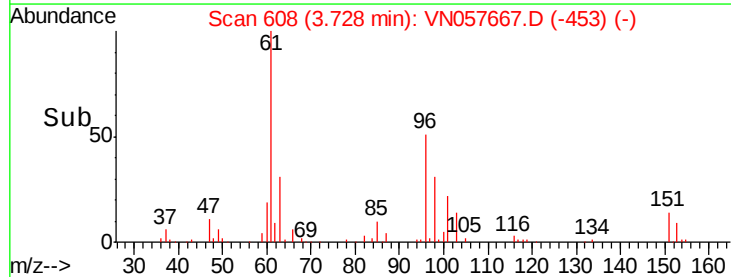
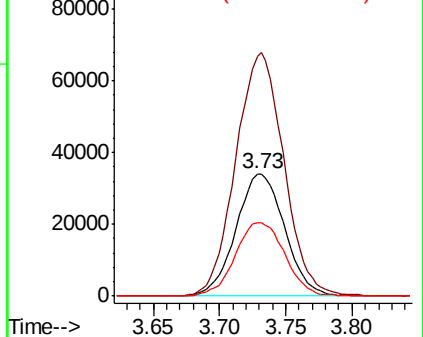
98 60.1 51.0 76.4

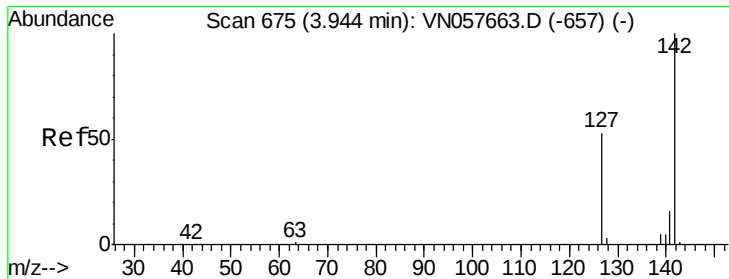


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

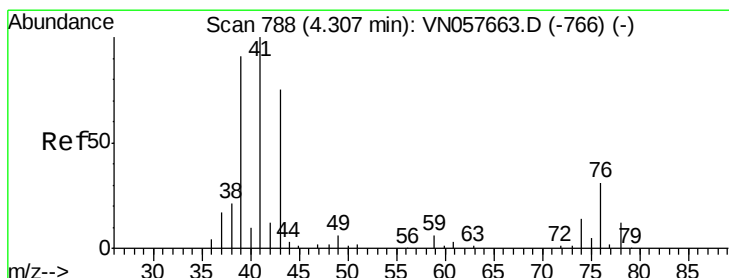
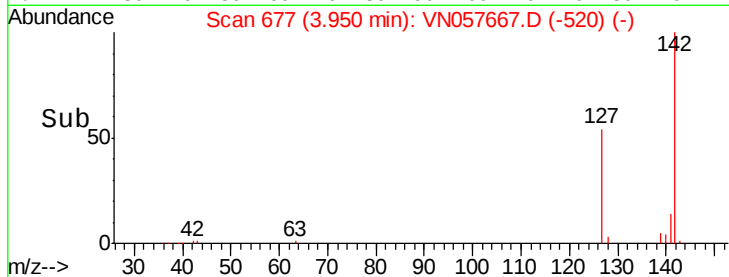
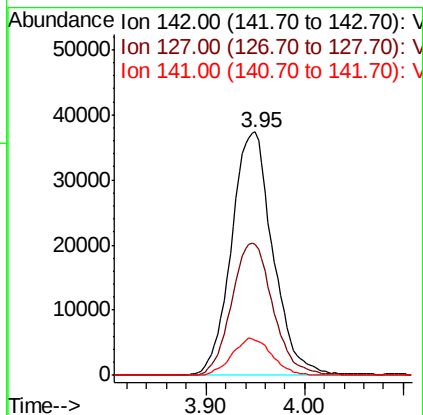
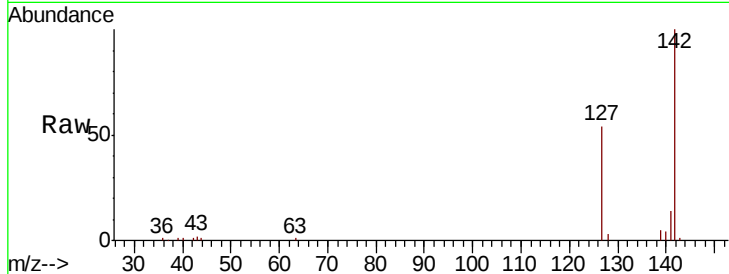




#11
Methyl Iodide
Concen: 19.459 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

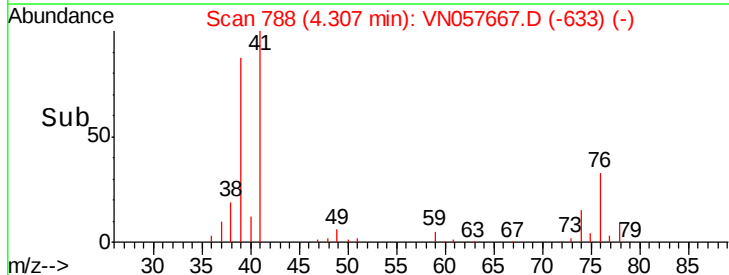
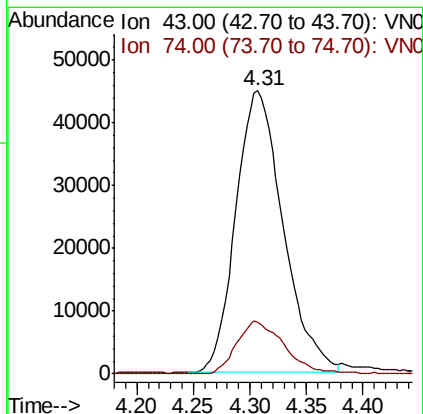
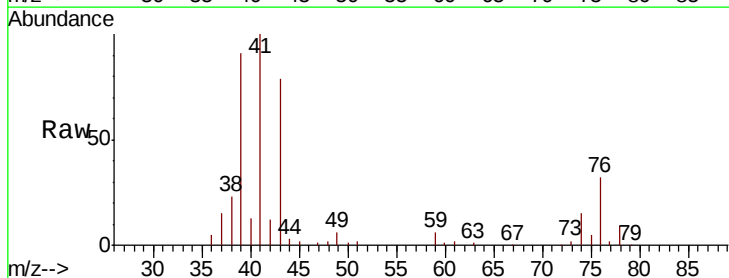
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

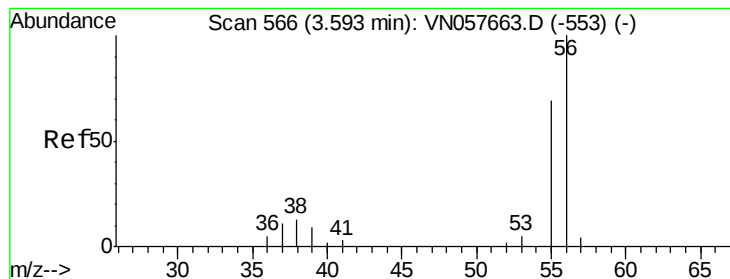
Tgt Ion:142 Resp: 108711
Ion Ratio Lower Upper
142 100
127 53.7 26.2 78.5
141 14.2 7.6 22.9



#12
Methyl Acetate
Concen: 21.689 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 43 Resp: 130640
Ion Ratio Lower Upper
43 100
74 18.5 14.6 22.0





#13

Acrolein

Concen: 97.582 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

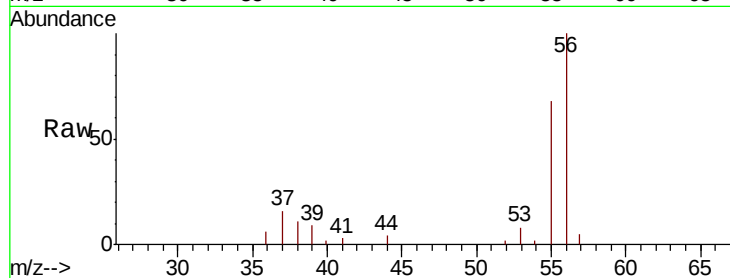
ICVVN090319

Tgt Ion: 56 Resp: 33350

Ion Ratio Lower Upper

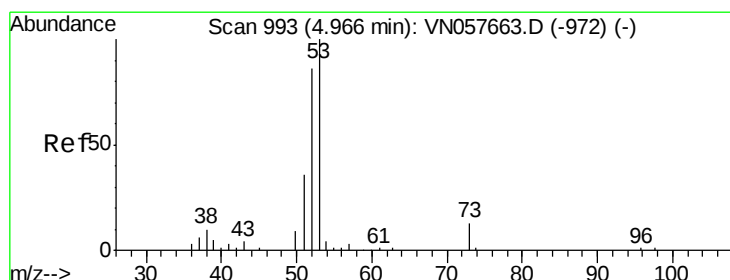
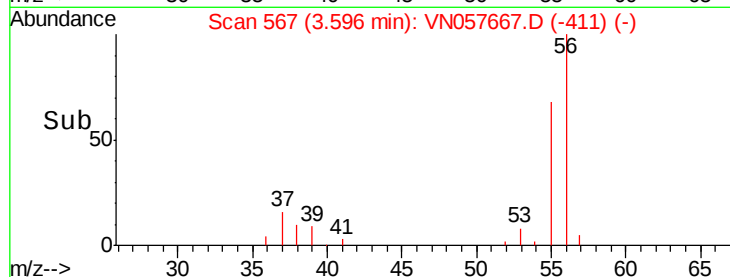
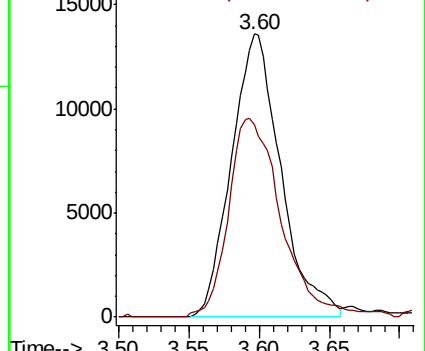
56 100

55 74.4 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: 104.519 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

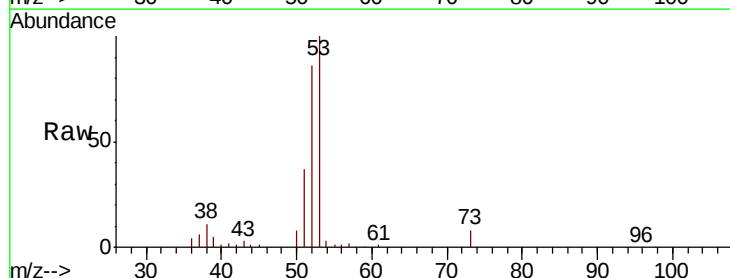
Tgt Ion: 53 Resp: 229123

Ion Ratio Lower Upper

53 100

52 85.8 41.9 125.7

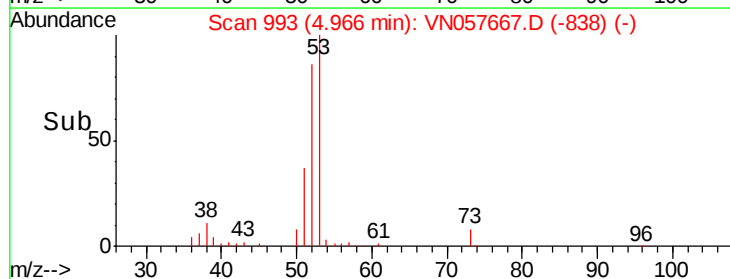
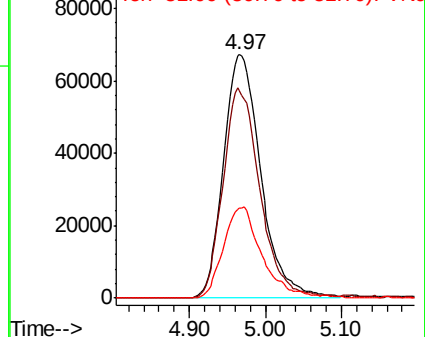
51 38.5 19.4 58.2

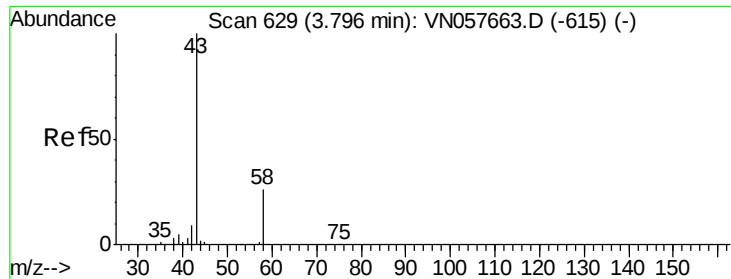


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 112.623 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

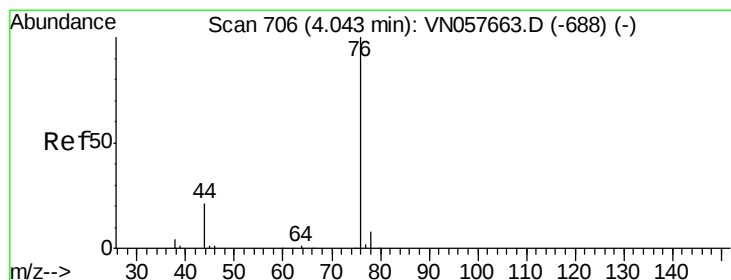
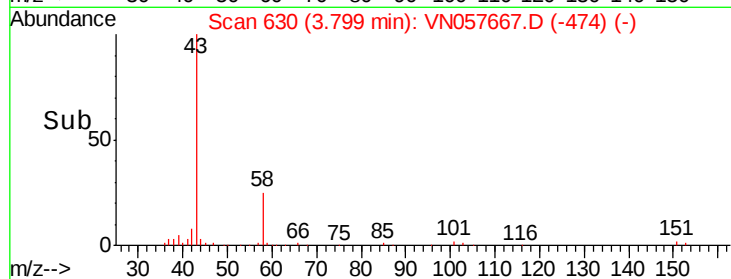
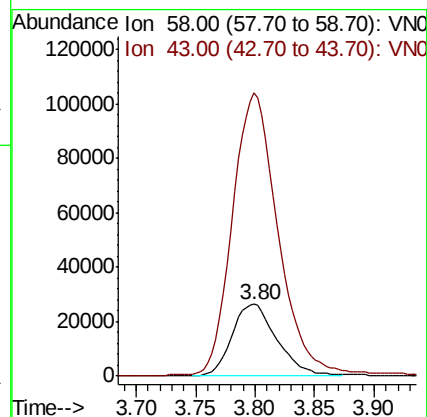
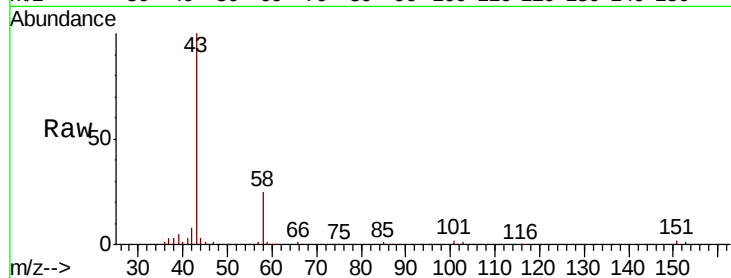
ICVFN090319

Tgt Ion: 58 Resp: 69252

Ion Ratio Lower Upper

58 100

43 391.9 308.8 463.2



#16

Carbon Disulfide

Concen: 20.757 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057667.D

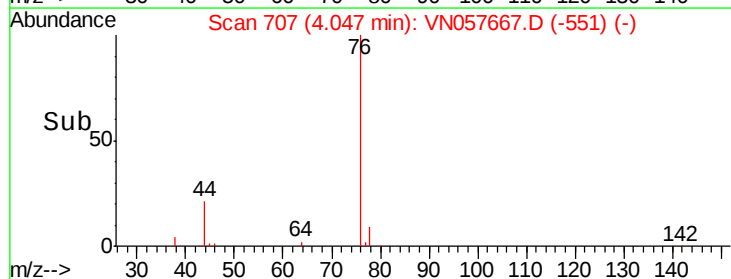
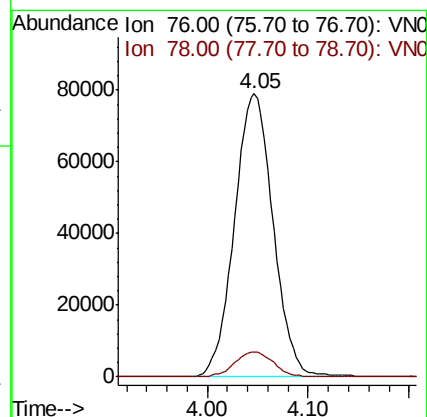
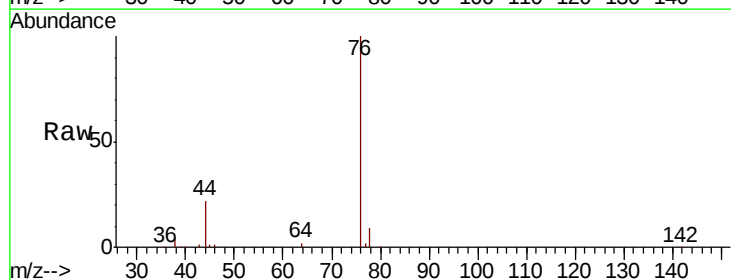
Acq: 3 Sep 2019 17:05

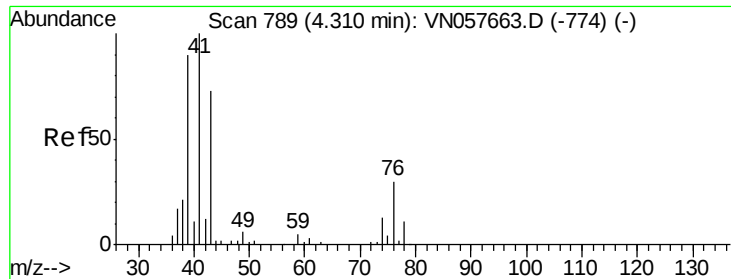
Tgt Ion: 76 Resp: 210356

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

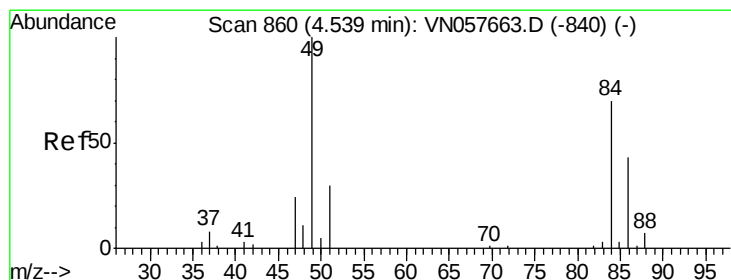
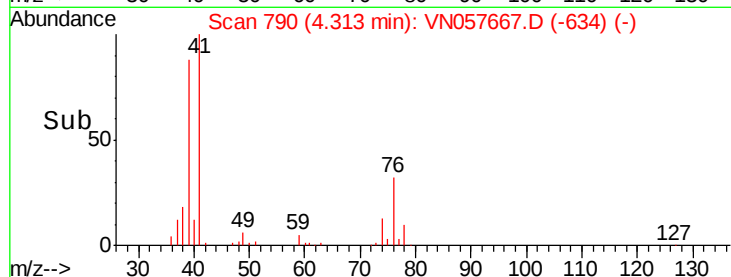
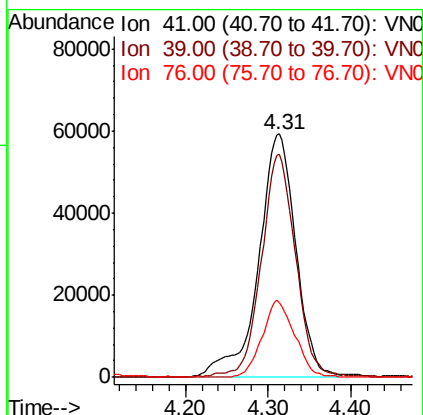
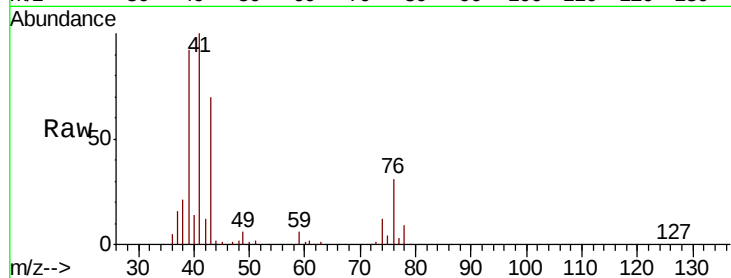




#17
 Allyl chloride
 Concen: 21.528 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

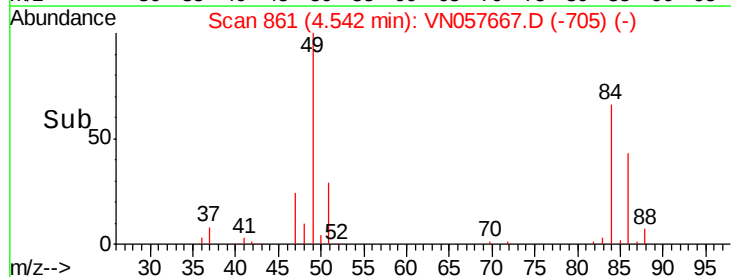
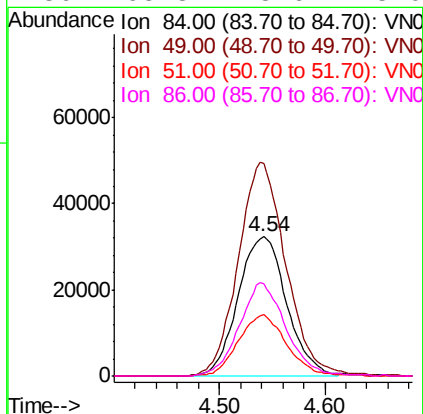
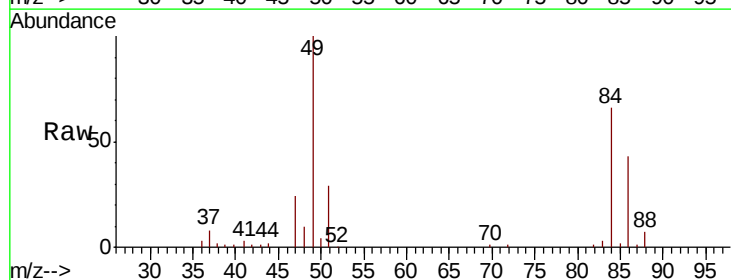
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

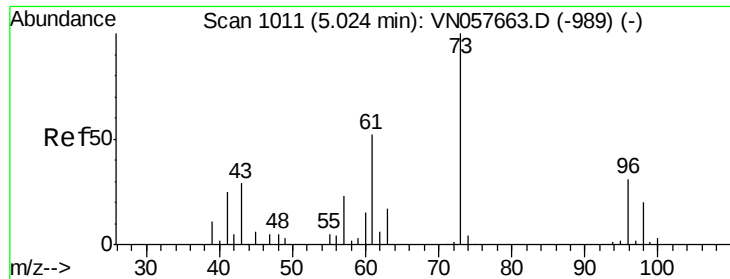
Tgt Ion: 41 Resp: 185485
 Ion Ratio Lower Upper
 41 100
 39 91.7 43.0 128.8
 76 30.5 14.2 42.8



#18
 Methylene Chloride
 Concen: 20.463 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 84 Resp: 103449
 Ion Ratio Lower Upper
 84 100
 49 152.6 113.7 170.5
 51 44.1 34.5 51.7
 86 65.8 48.6 73.0

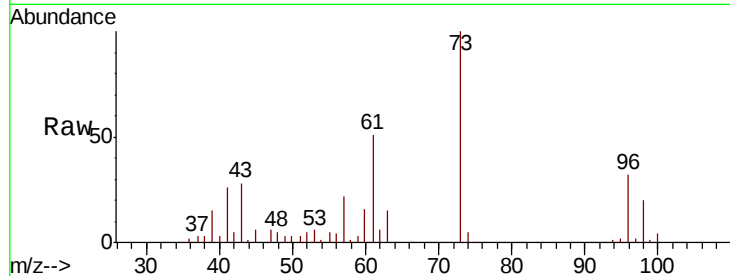




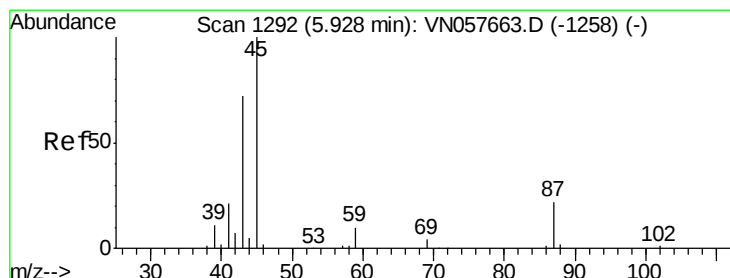
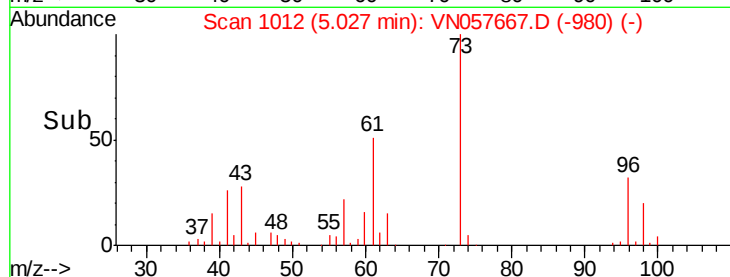
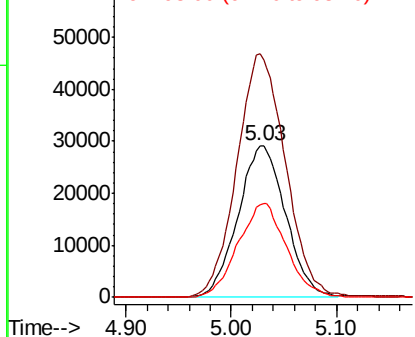
#19
trans-1,2-Dichloroethene
Concen: 21.418 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

Tgt Ion: 96 Resp: 91398
Ion Ratio Lower Upper
96 100
61 160.0 133.4 200.0
98 61.2 50.4 75.6

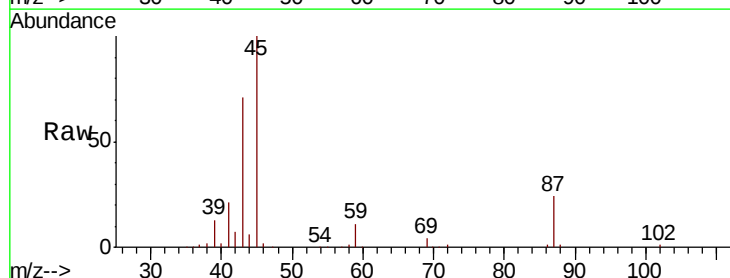


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

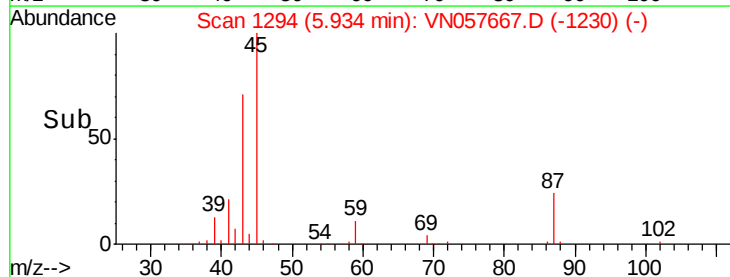
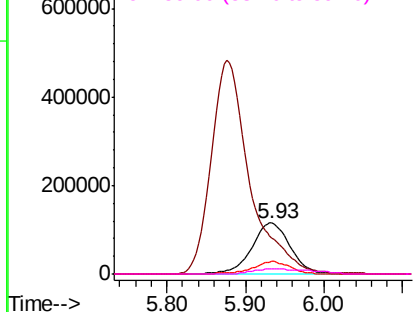


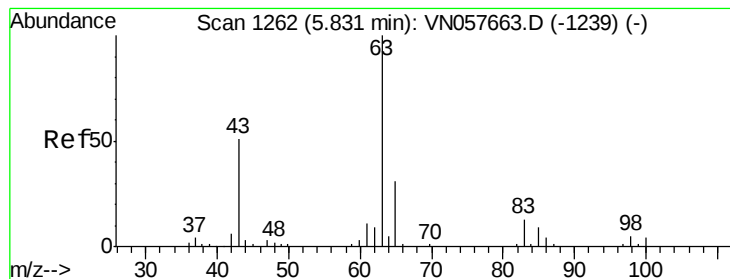
#20
Diisopropyl ether
Concen: 21.354 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 45 Resp: 396458
Ion Ratio Lower Upper
45 100
43 68.6 58.3 87.5
87 24.2 18.5 27.7
59 10.9 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: 21.125 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

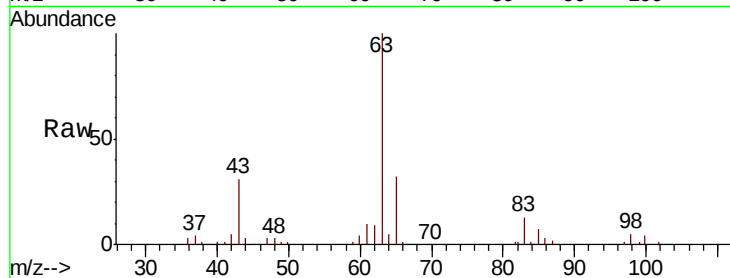
Tgt Ion: 63 Resp: 202159

Ion Ratio Lower Upper

63 100

98 5.5 2.6 7.8

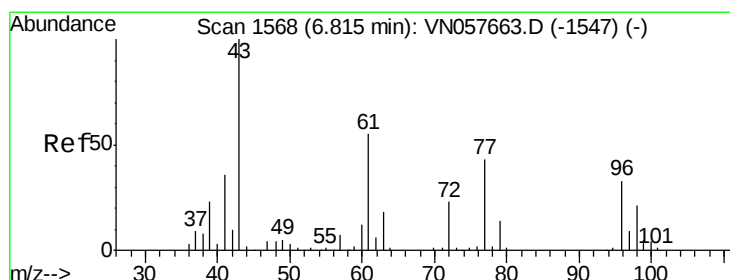
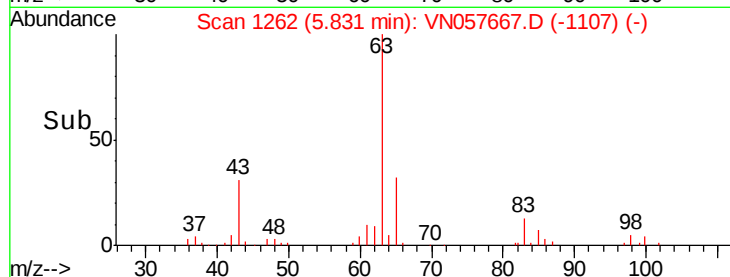
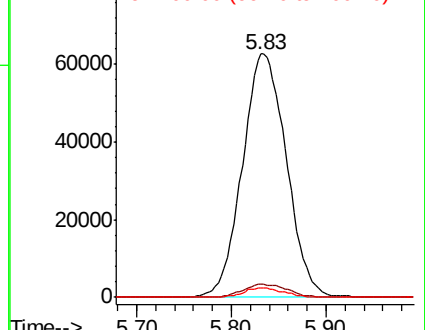
100 4.1 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.900 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

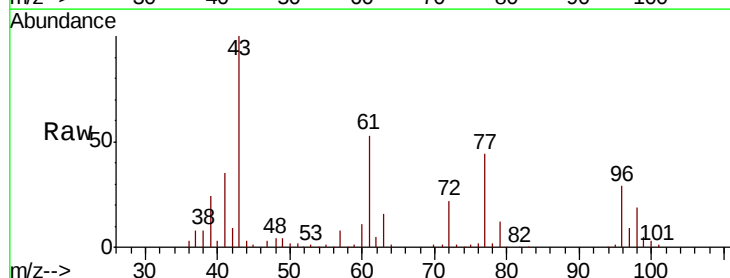
Tgt Ion: 96 Resp: 108937

Ion Ratio Lower Upper

96 100

61 179.5 137.2 205.8

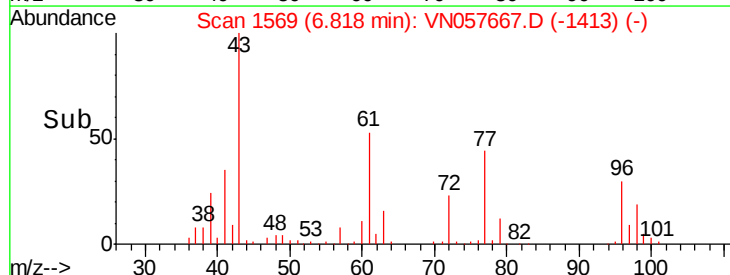
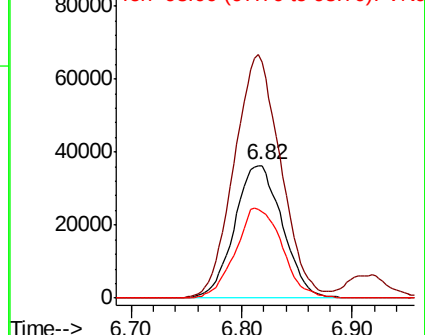
98 66.3 50.5 75.7

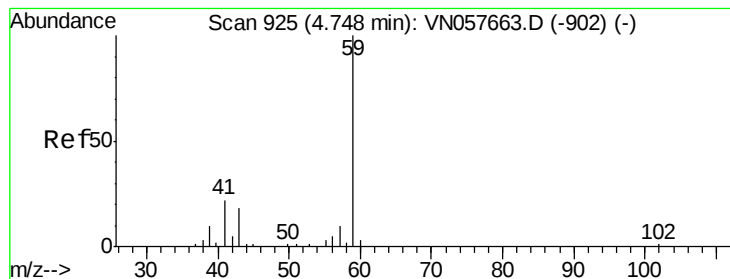


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 113.630 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

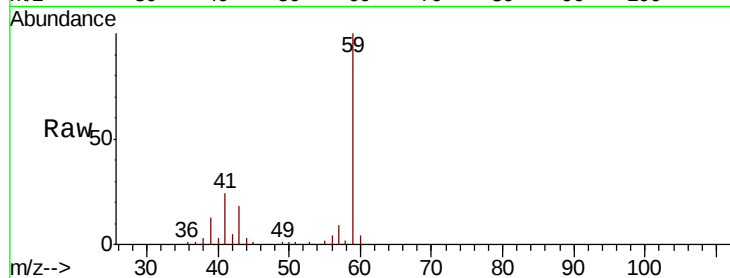
ICVVN090319

Tgt Ion: 59 Resp: 90574

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.75

30000

25000

20000

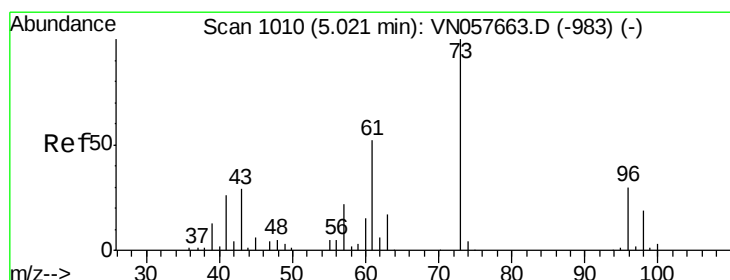
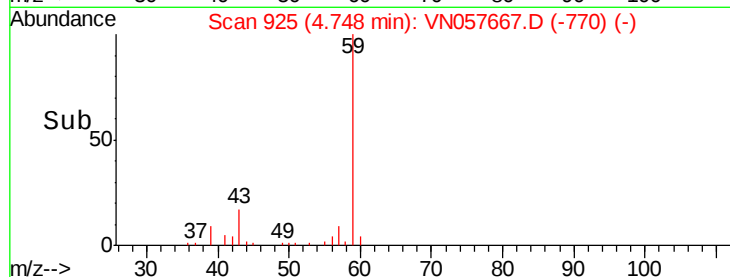
15000

10000

5000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 21.363 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN057667.D

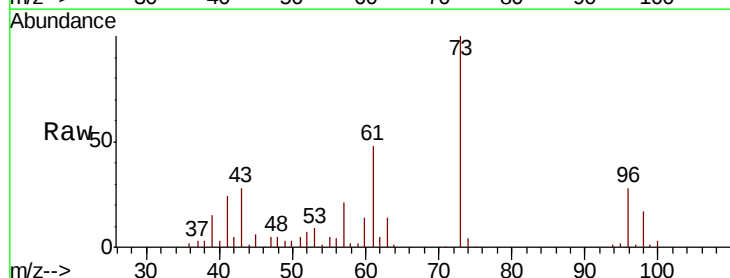
Acq: 3 Sep 2019 17:05

Tgt Ion: 73 Resp: 342445

Ion Ratio Lower Upper

73 100

43 28.8 23.2 34.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

5.02

100000

80000

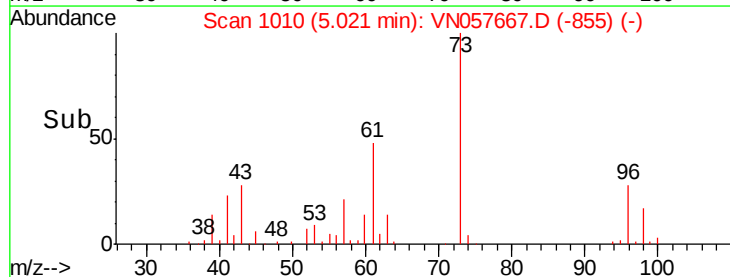
60000

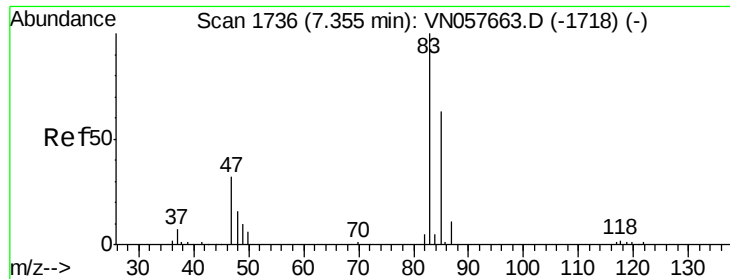
40000

20000

0

Time-->

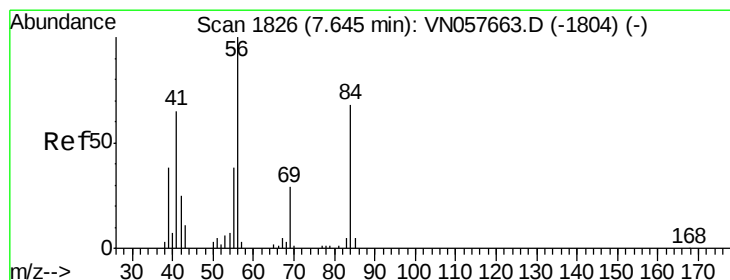
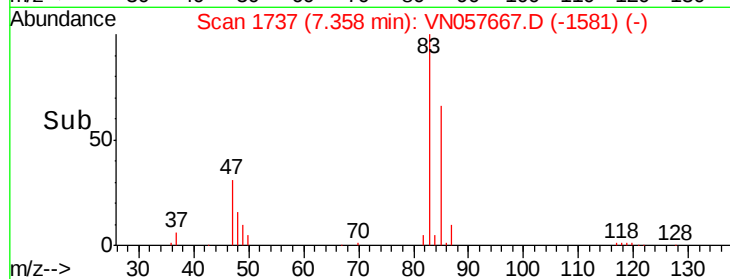
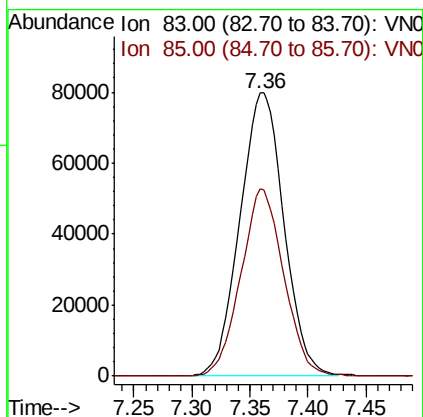
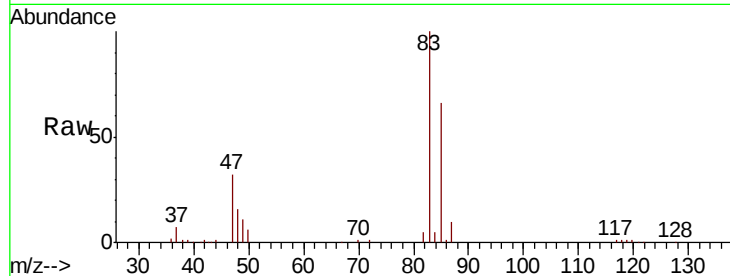




#25
Chloroform
Concen: 21.242 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

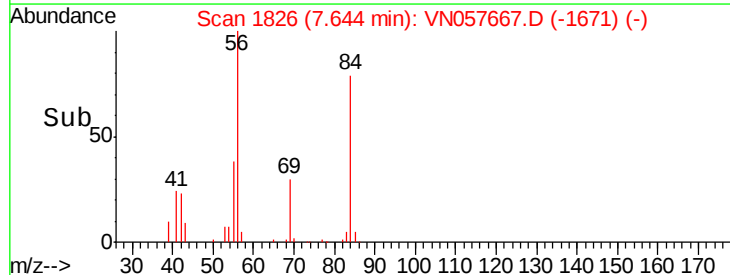
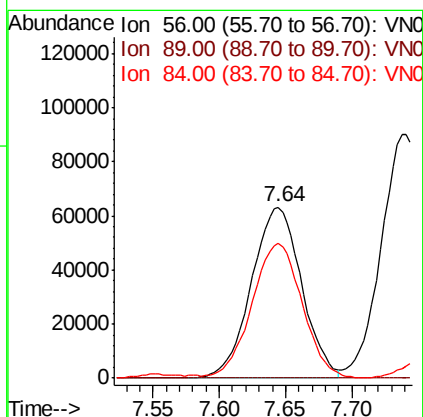
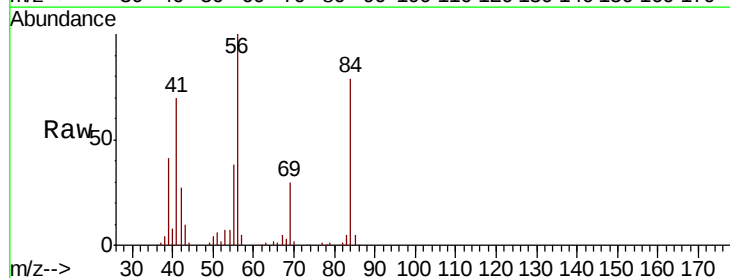
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

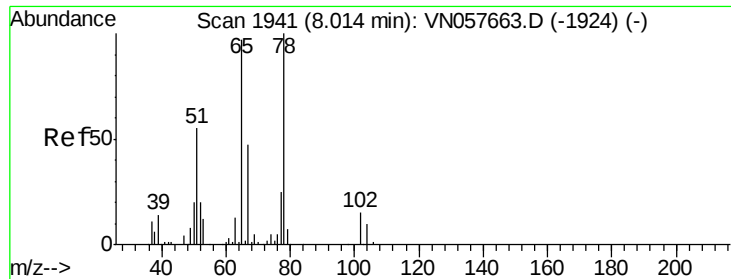
Tgt Ion: 83 Resp: 210715
Ion Ratio Lower Upper
83 100
85 66.3 50.8 76.2



#26
Cyclohexane
Concen: 20.489 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 56 Resp: 166958
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 79.2 60.4 90.6

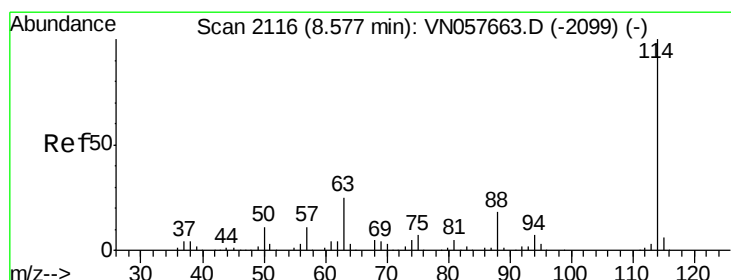
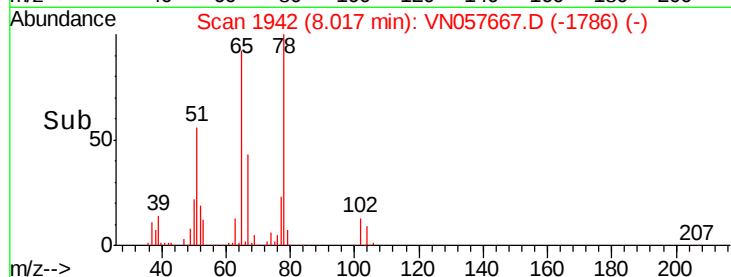
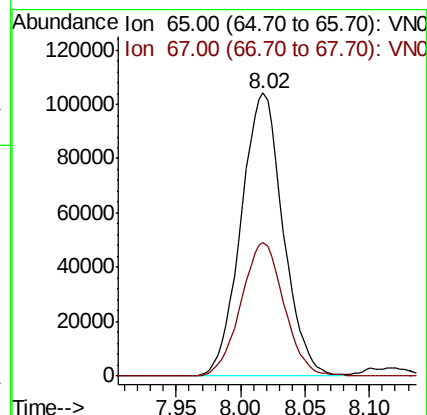
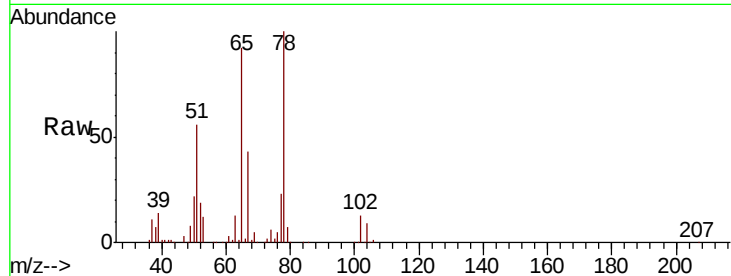




#27
 1,2-Dichloroethane-d4
 Concen: 31.160 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

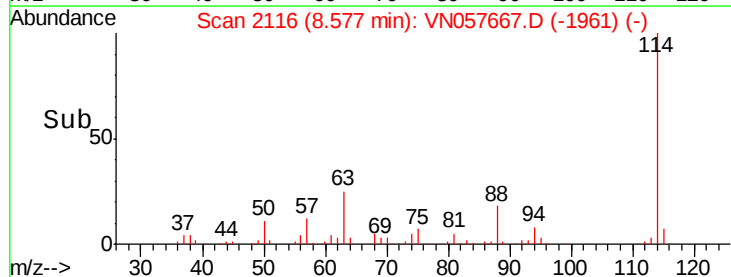
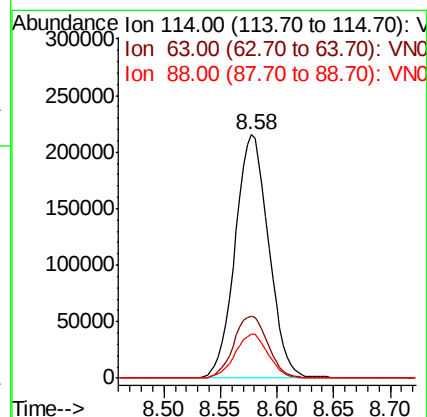
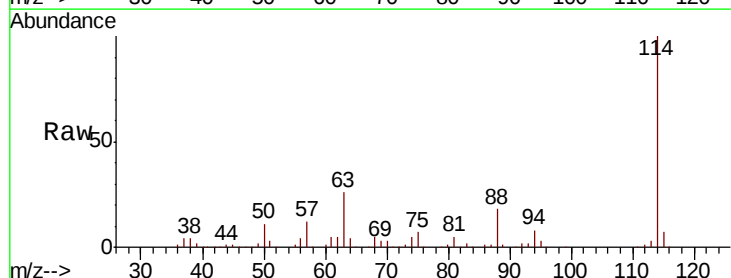
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

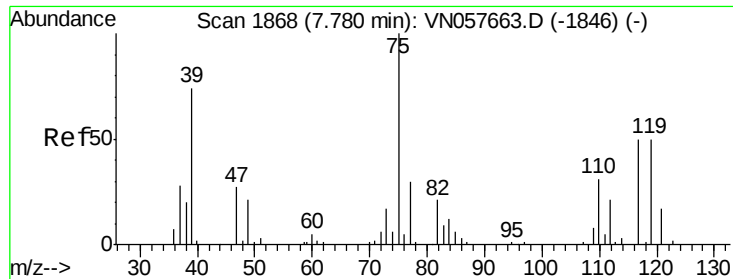
Tgt Ion: 65 Resp: 236870
 Ion Ratio Lower Upper
 65 100
 67 48.4 38.6 57.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 114 Resp: 445941
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.6 30.8
 88 17.9 14.3 21.5





#29

1,1-Dichloropropene

Concen: 20.504 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

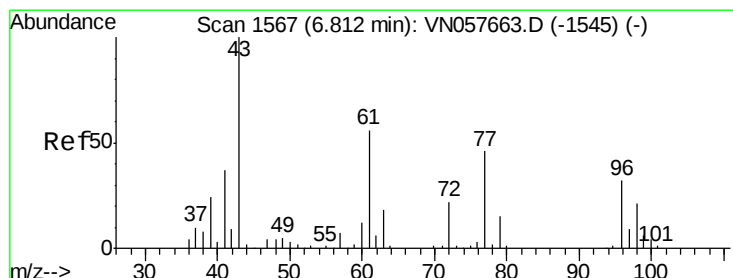
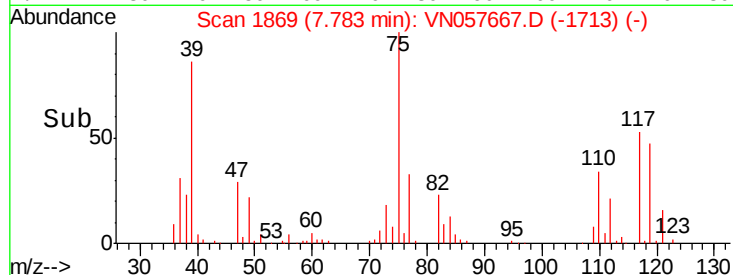
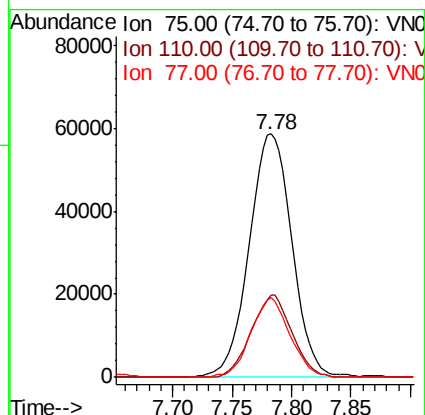
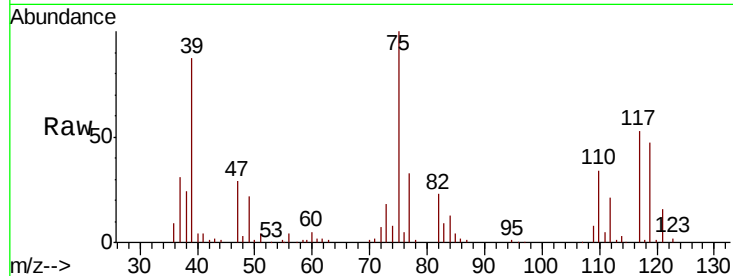
Tgt Ion: 75 Resp: 146012

Ion Ratio Lower Upper

75 100

110 32.0 0.0 62.8

77 30.2 0.0 57.8



#30

2-Butanone

Concen: 106.582 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

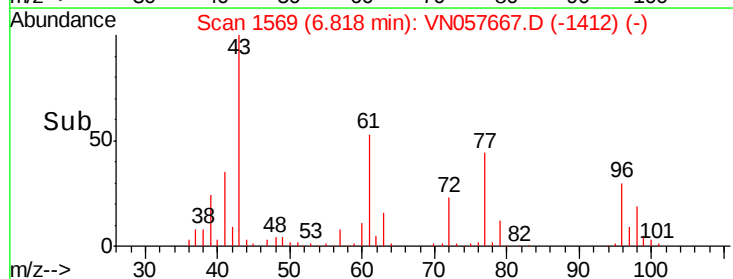
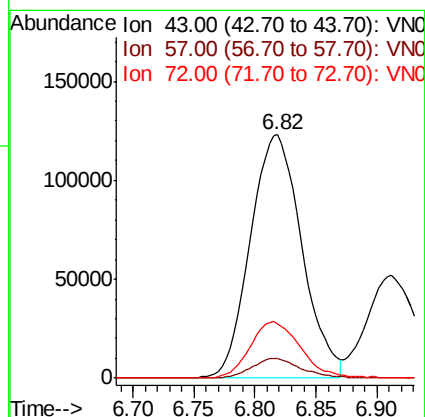
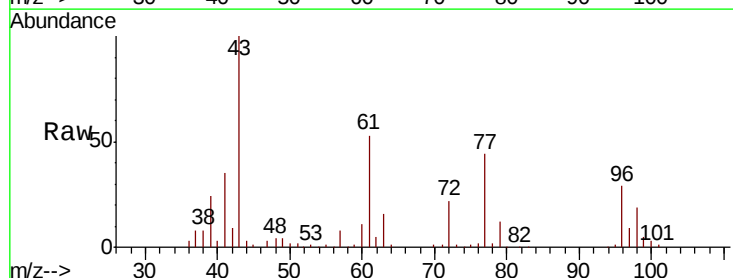
Tgt Ion: 43 Resp: 358534

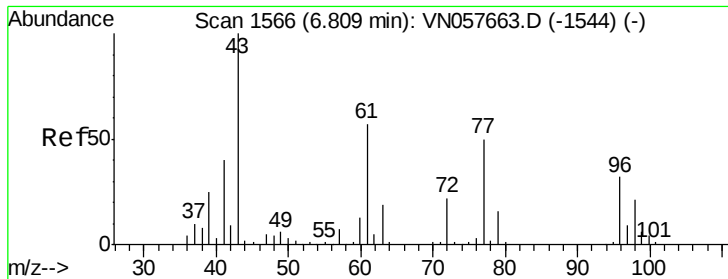
Ion Ratio Lower Upper

43 100

57 7.8 2.6 3.8#

72 22.7 18.1 27.1





#31

2,2-Dichloropropane

Concen: 20.965 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

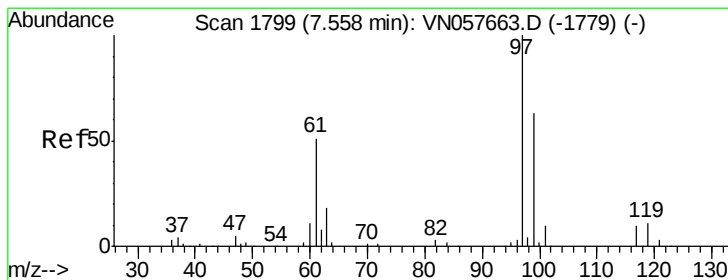
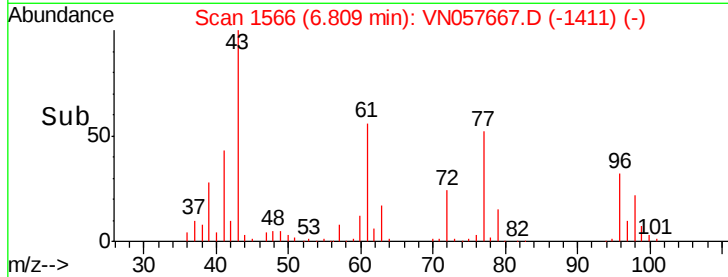
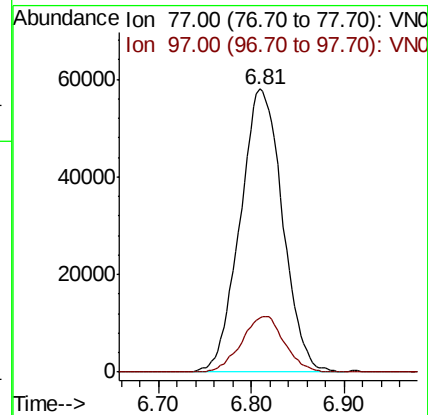
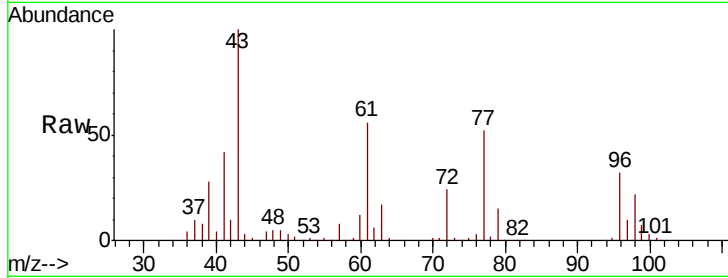
ICVVN090319

Tgt Ion: 77 Resp: 184768

Ion Ratio Lower Upper

77 100

97 19.8 8.8 13.2#



#32

1,1,1-Trichloroethane

Concen: 20.617 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

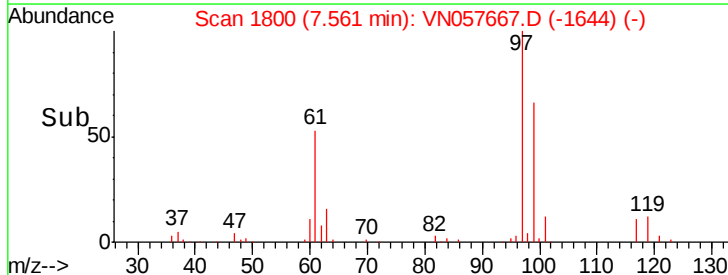
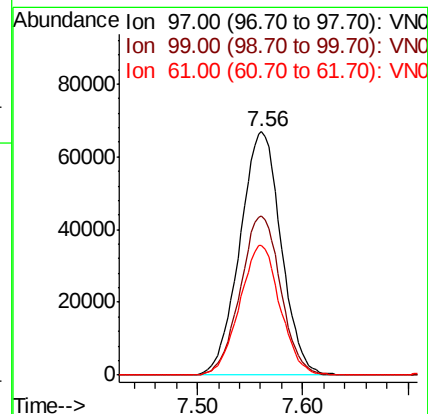
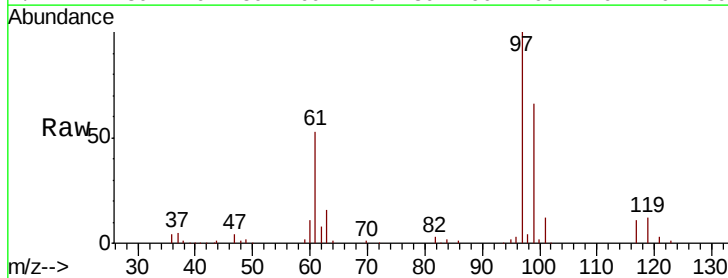
Tgt Ion: 97 Resp: 181764

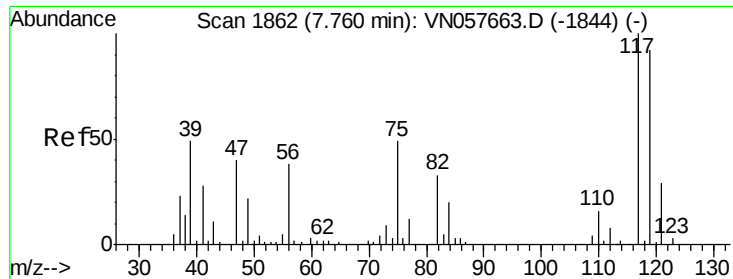
Ion Ratio Lower Upper

97 100

99 63.9 51.9 77.9

61 52.1 41.4 62.0





#33

Carbon Tetrachloride

Concen: 20.798 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.01 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

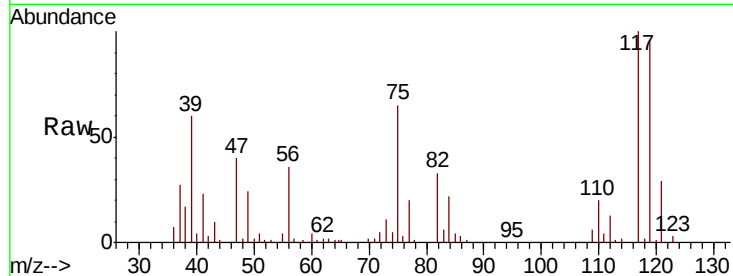
Tgt Ion:117 Resp: 148899

Ion Ratio Lower Upper

117 100

119 95.8 73.3 109.9

121 29.1 23.3 34.9

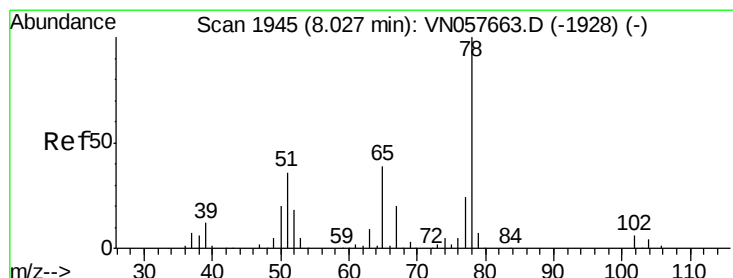
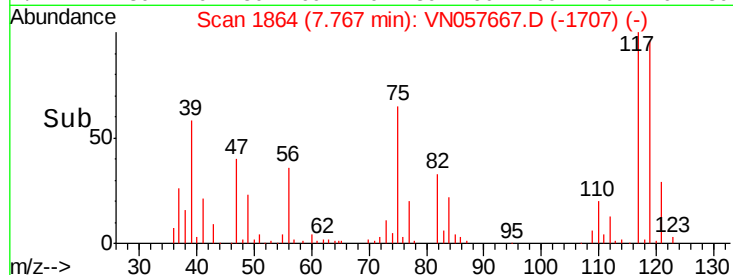
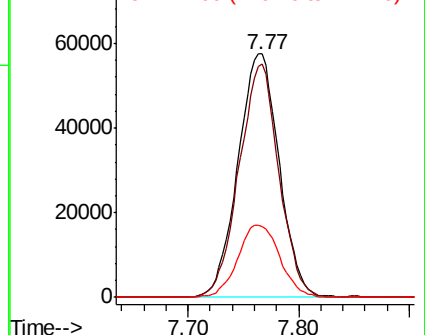


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.360 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

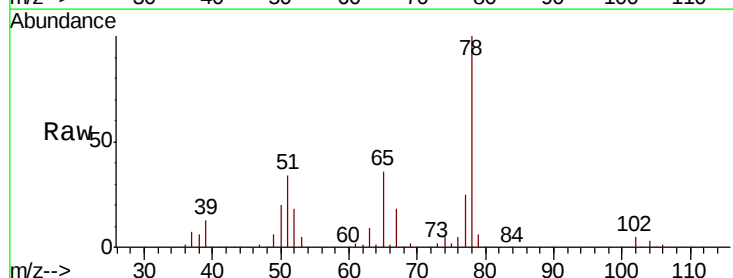
Tgt Ion: 78 Resp: 416470

Ion Ratio Lower Upper

78 100

77 24.7 18.8 28.2

51 34.0 29.0 43.6

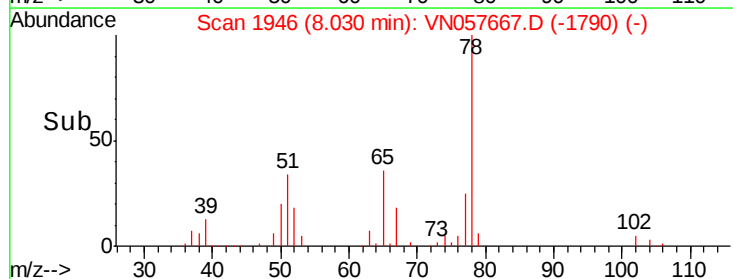
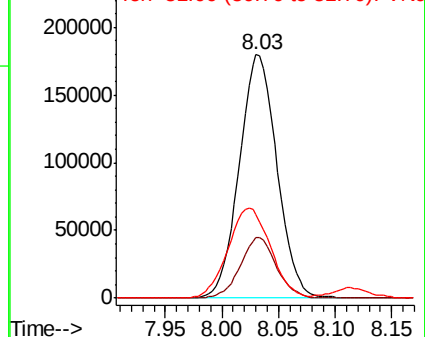


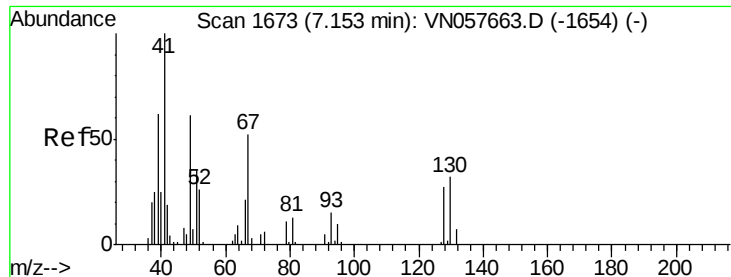
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

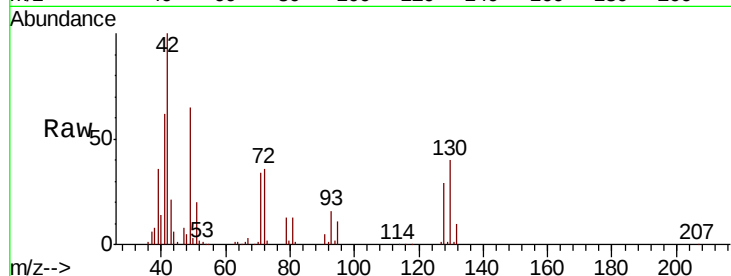




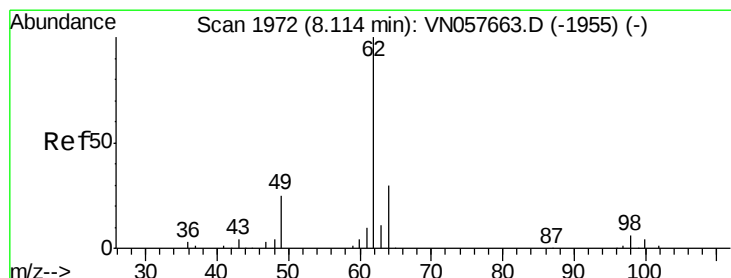
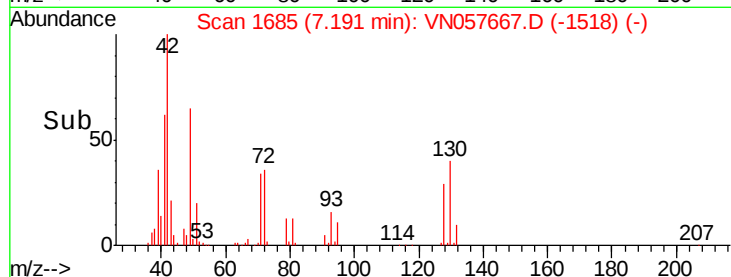
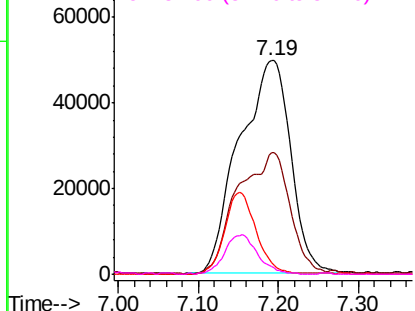
#35
Methacrylonitrile
Concen: 71.197 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

Tgt Ion: 41 Resp: 219399
Ion Ratio Lower Upper
41 100
39 57.4 31.0 93.0
67 5.6 25.9 77.7#
52 3.5 12.9 38.7#

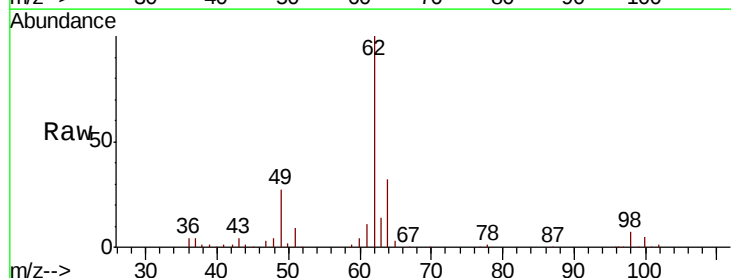


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

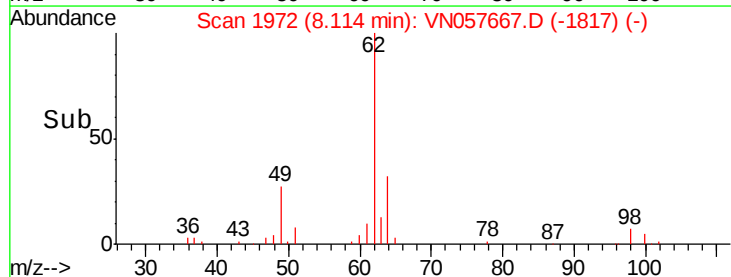
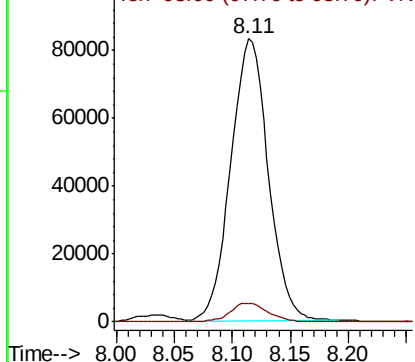


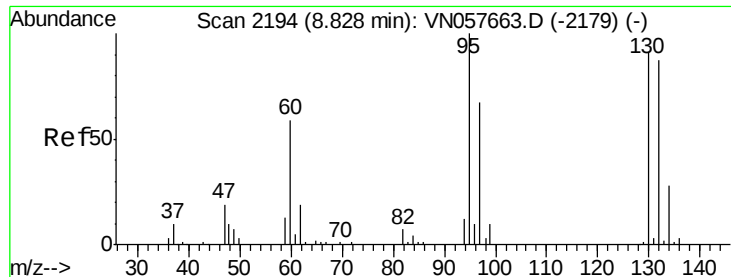
#36
1,2-Dichloroethane
Concen: 20.568 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 62 Resp: 187492
Ion Ratio Lower Upper
62 100
98 6.6 0.0 0.0#



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

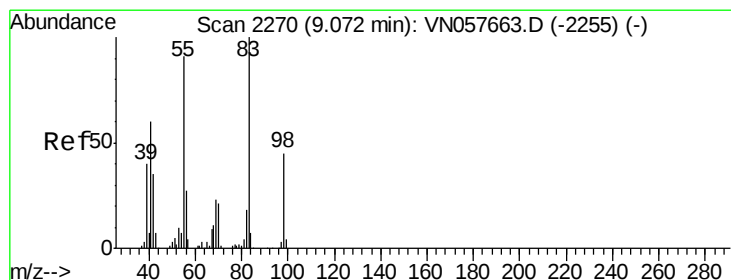
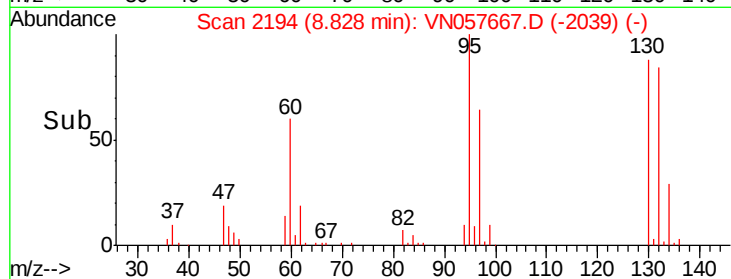
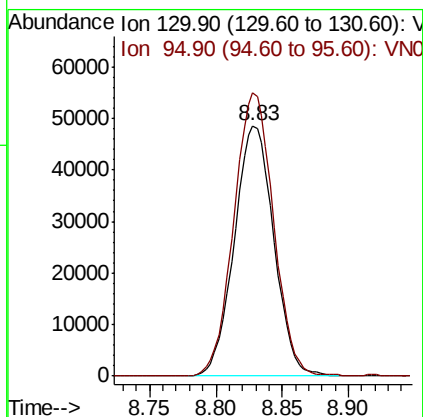
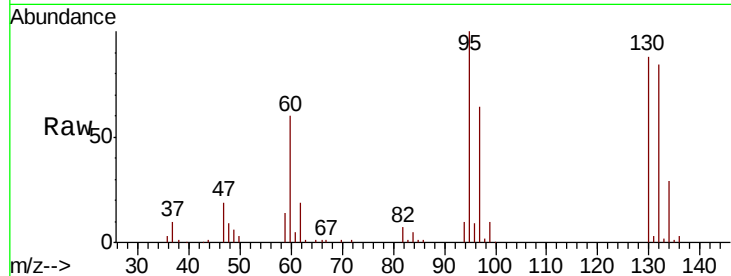




#37
 Trichloroethene
 Concen: 20.715 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

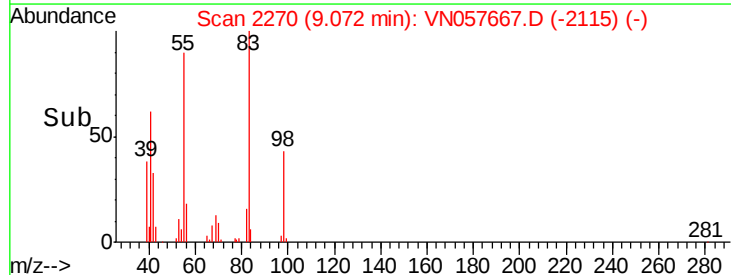
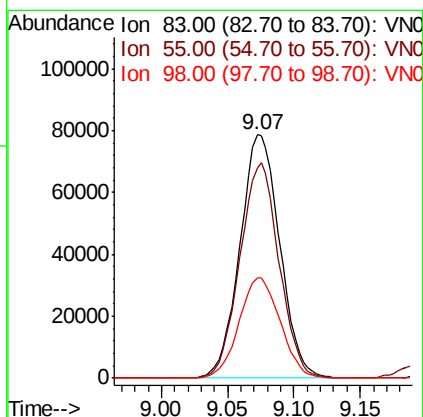
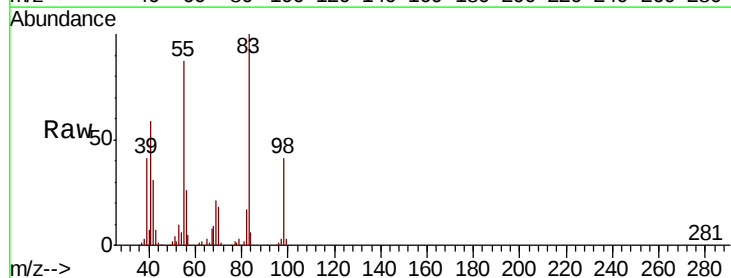
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

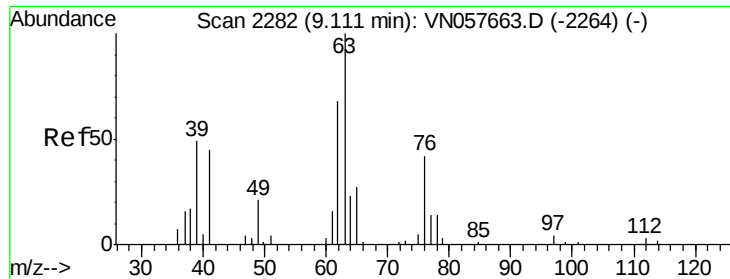
Tgt Ion: 130 Resp: 100618
 Ion Ratio Lower Upper
 130 100
 95 113.0 87.5 131.3



#38
 Methylcyclohexane
 Concen: 20.786 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 83 Resp: 164252
 Ion Ratio Lower Upper
 83 100
 55 86.9 45.1 135.3
 98 42.4 22.5 67.5





#39

1,2-Dichloropropane

Concen: 20.686 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

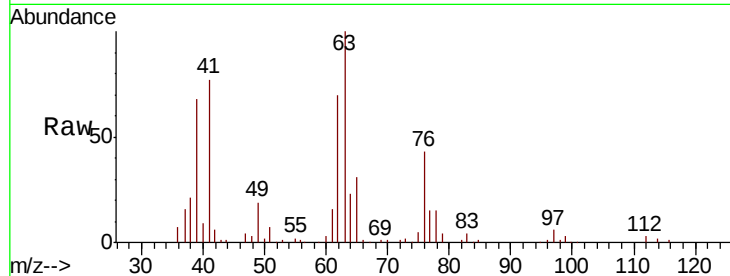
ICVFN090319

Tgt Ion: 63 Resp: 115706

Ion Ratio Lower Upper

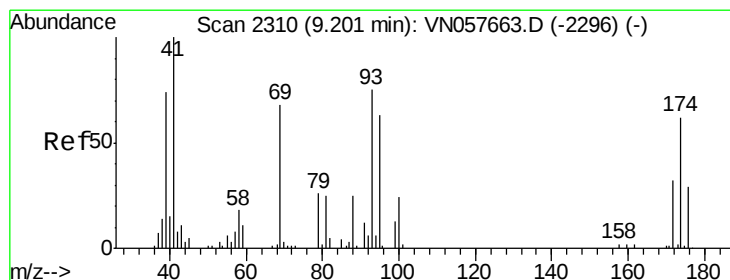
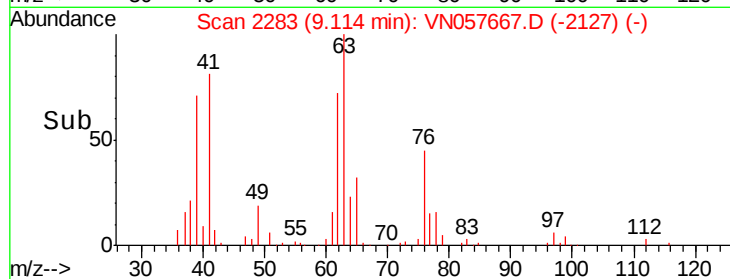
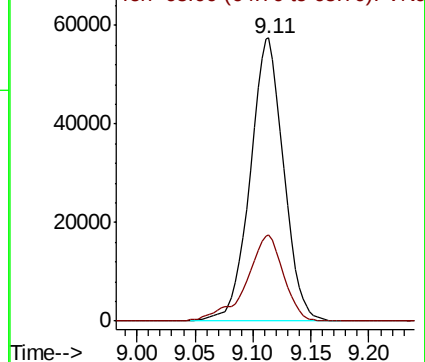
63 100

65 30.6 22.2 33.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.070 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

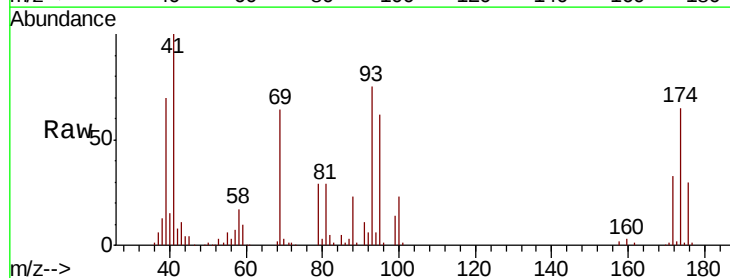
Tgt Ion: 93 Resp: 76397

Ion Ratio Lower Upper

93 100

95 82.3 0.0 168.2

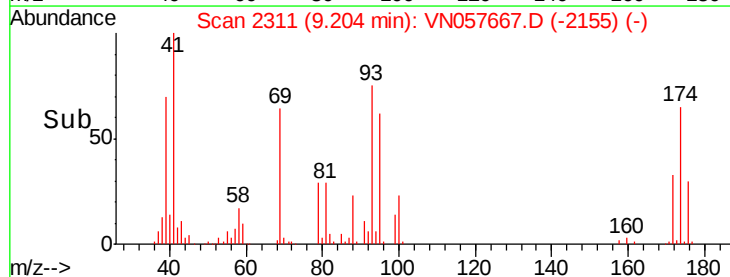
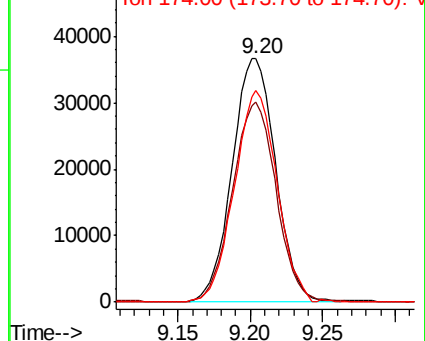
174 85.0 0.0 169.2

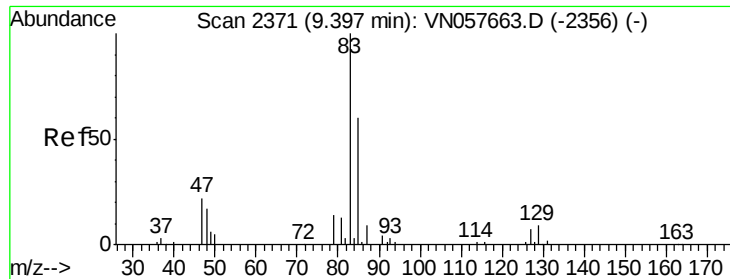


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.833 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

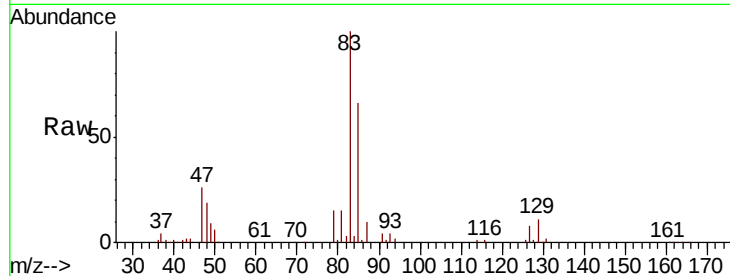
Tgt Ion: 83 Resp: 155430

Ion Ratio Lower Upper

83 100

85 66.2 48.2 72.4

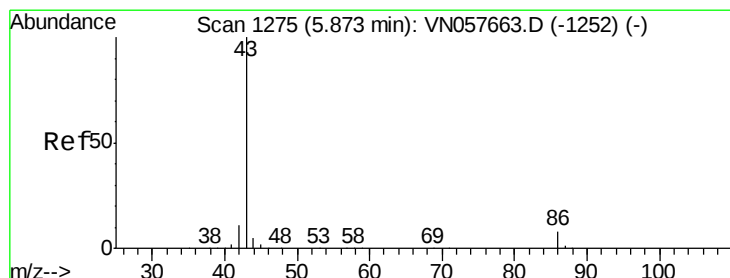
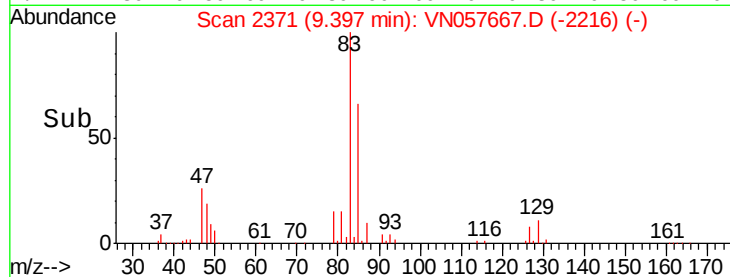
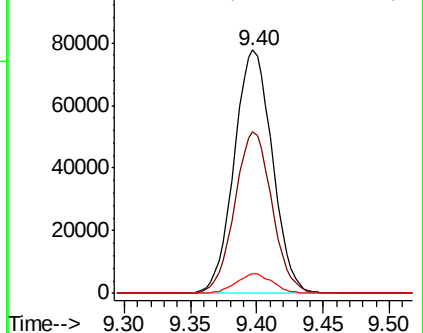
127 8.9 5.3 7.9#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 109.932 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057667.D

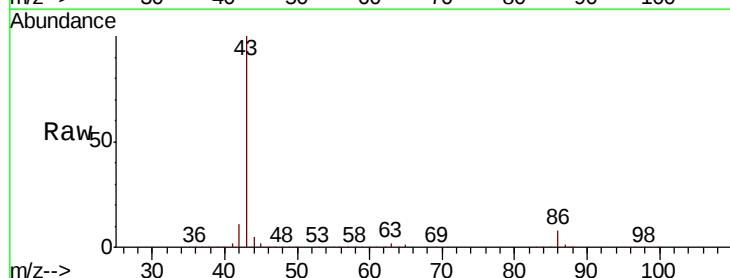
Acq: 3 Sep 2019 17:05

Tgt Ion: 43 Resp: 1625381

Ion Ratio Lower Upper

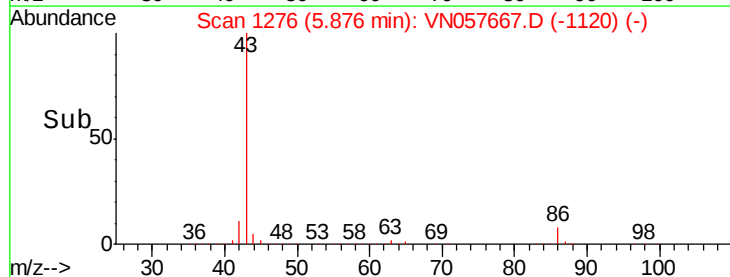
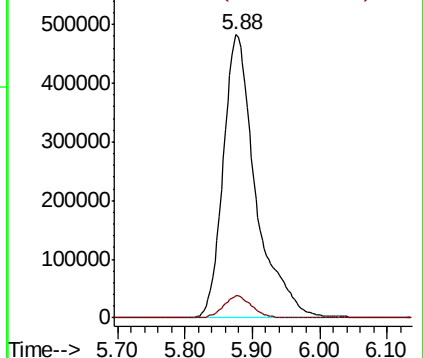
43 100

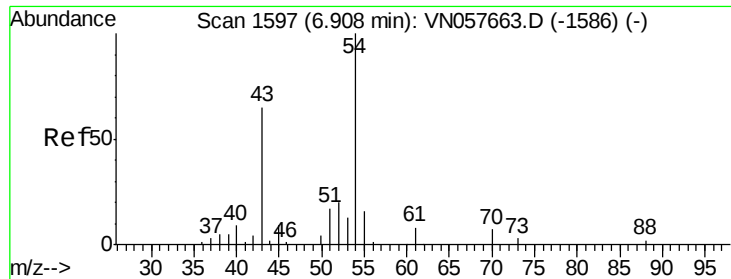
86 6.8 5.4 8.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.217 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

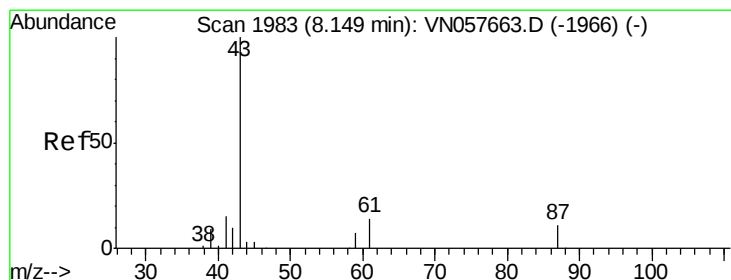
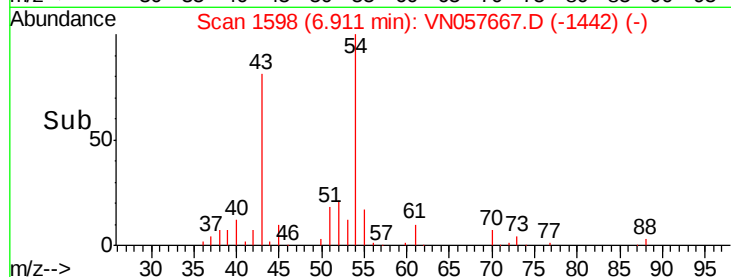
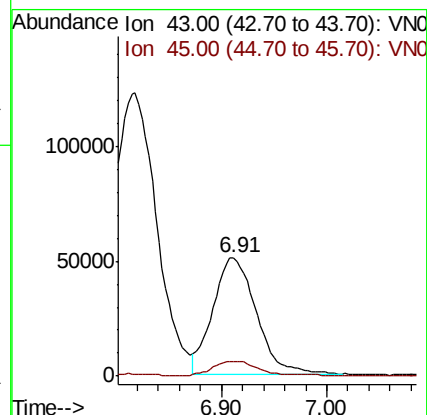
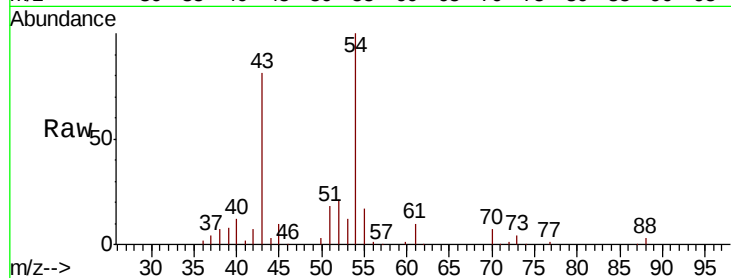
ICVVN090319

Tgt Ion: 43 Resp: 146972

Ion Ratio Lower Upper

43 100

45 12.1 5.0 7.6#



#44

Isopropyl Acetate

Concen: 20.758 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057667.D

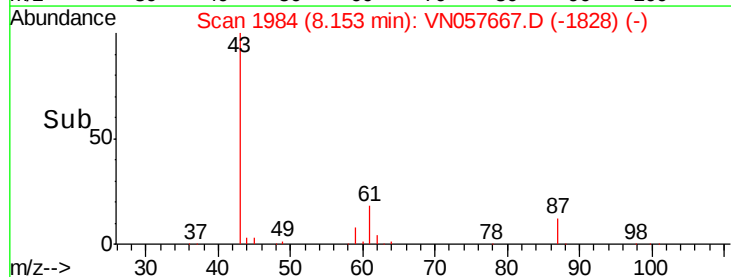
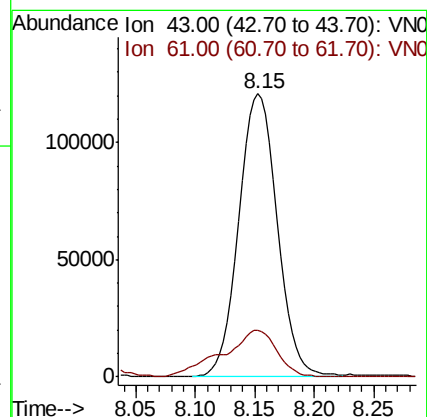
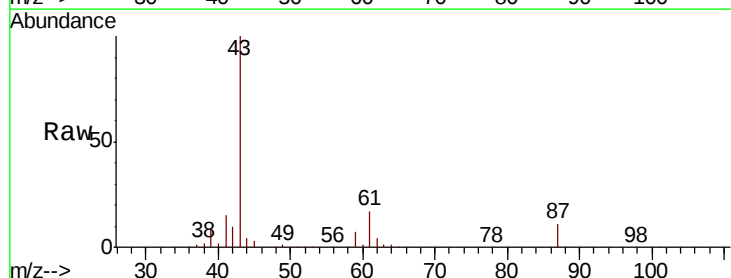
Acq: 3 Sep 2019 17:05

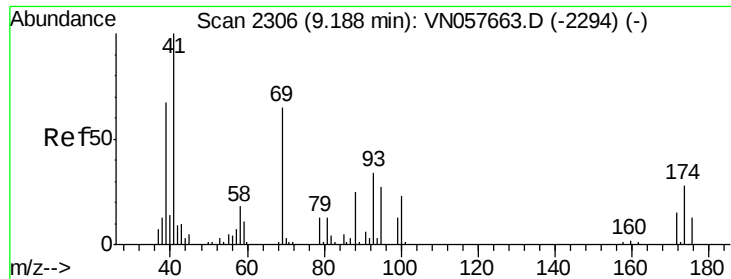
Tgt Ion: 43 Resp: 268829

Ion Ratio Lower Upper

43 100

61 16.9 12.6 18.8

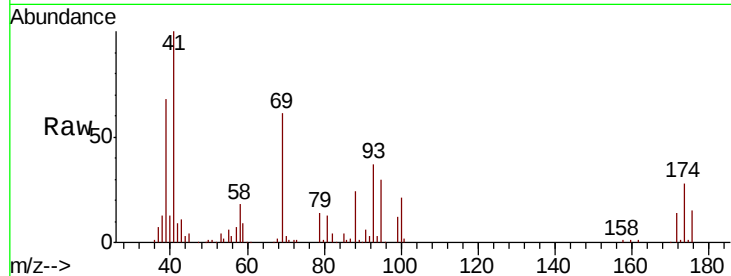




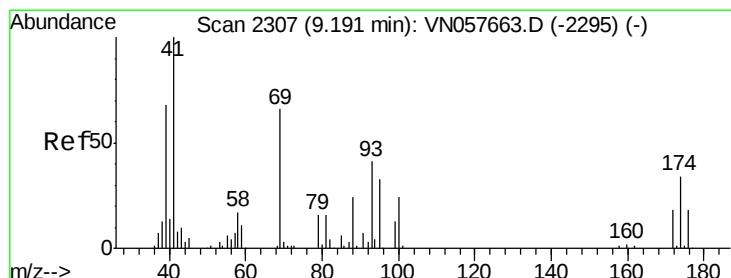
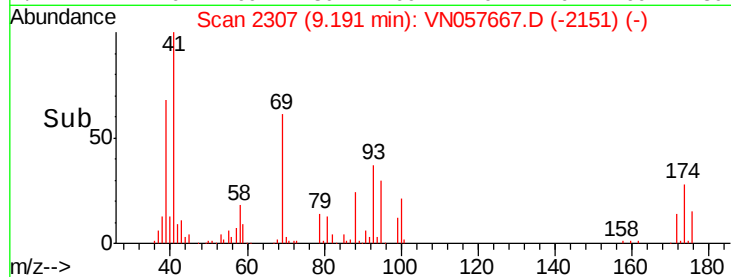
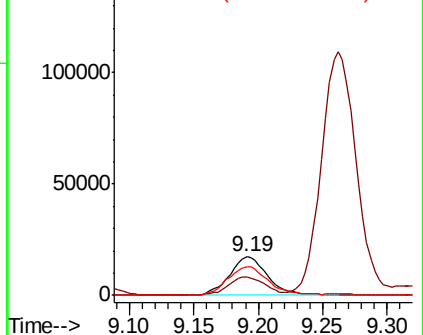
#45
1,4-Dioxane
Concen: 432.271 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampled :
ICVVN090319

Tgt Ion: 88 Resp: 35936
Ion Ratio Lower Upper
88 100
43 43.9 31.0 46.4
58 77.3 58.2 87.2

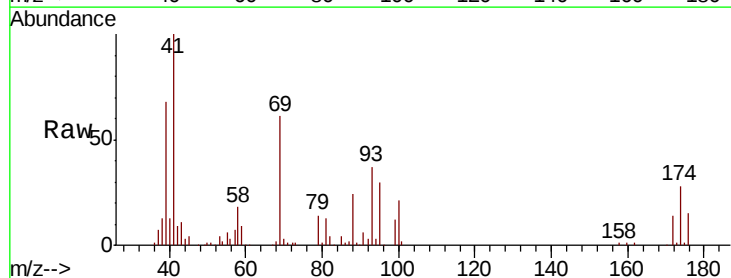


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

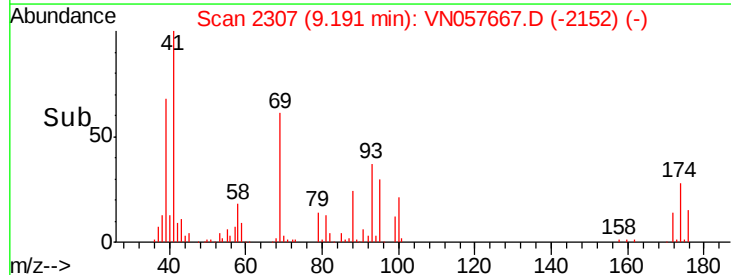
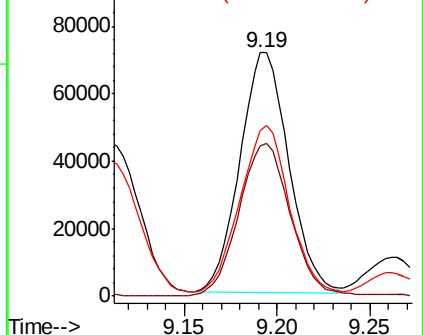


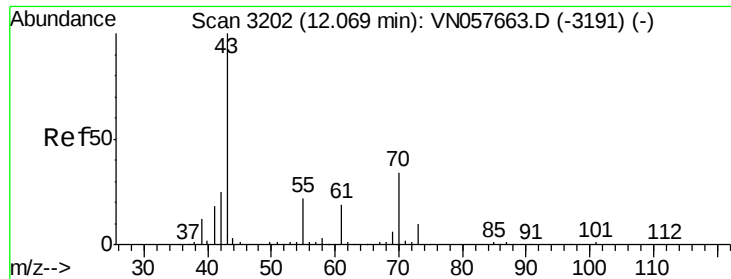
#46
Methyl methacrylate
Concen: 20.804 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 41 Resp: 130728
Ion Ratio Lower Upper
41 100
69 62.3 33.1 99.2
39 67.4 34.0 102.0



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

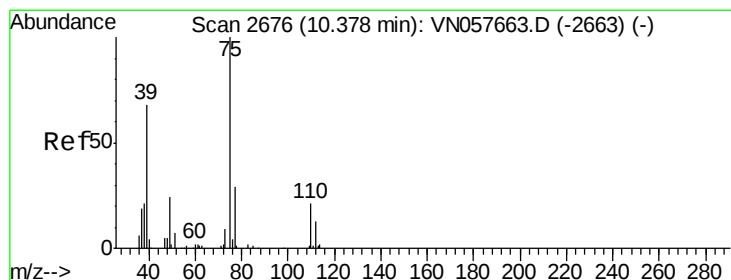
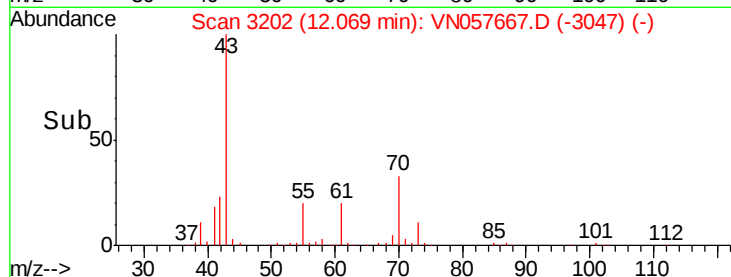
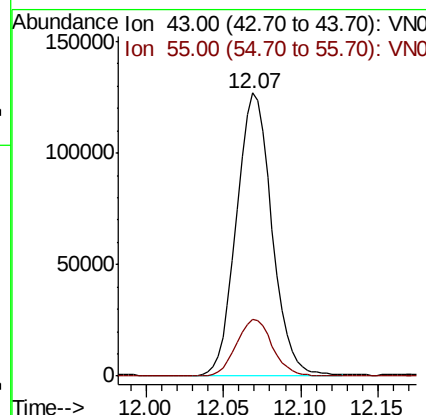
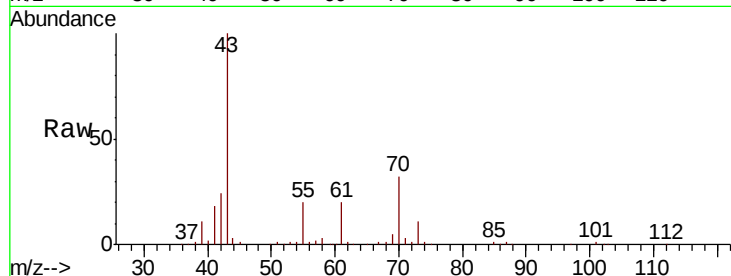




#47
n-amyl Acetate
Concen: 20.031 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

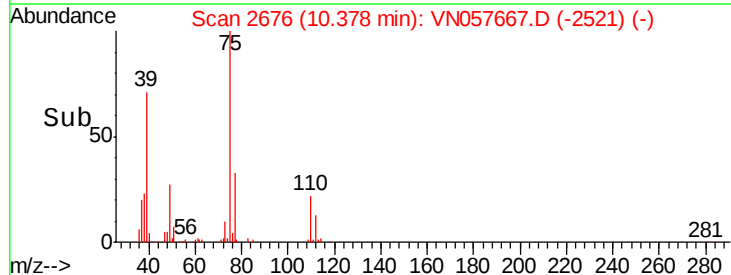
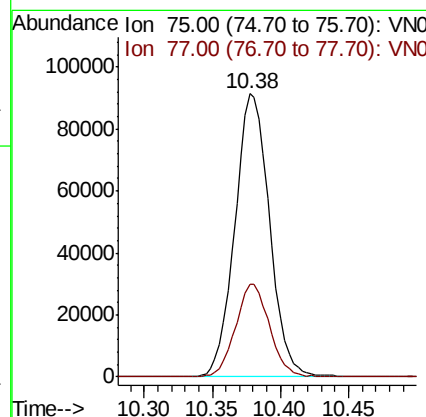
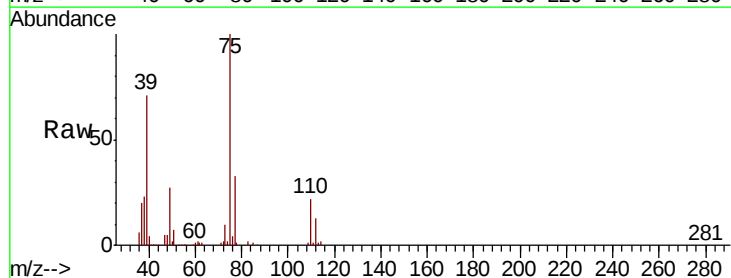
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

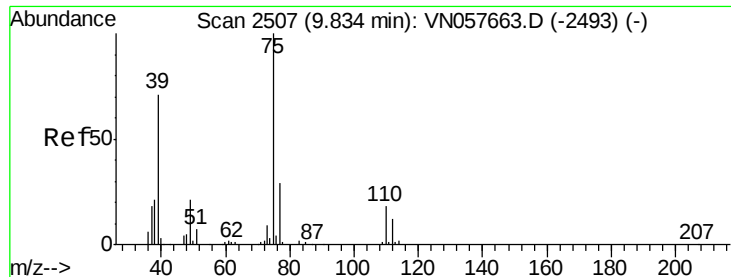
Tgt Ion: 43 Resp: 201177
Ion Ratio Lower Upper
43 100
55 20.6 17.5 26.3



#48
t-1,3-Dichloropropene
Concen: 19.617 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 75 Resp: 161265
Ion Ratio Lower Upper
75 100
77 32.6 23.1 34.7



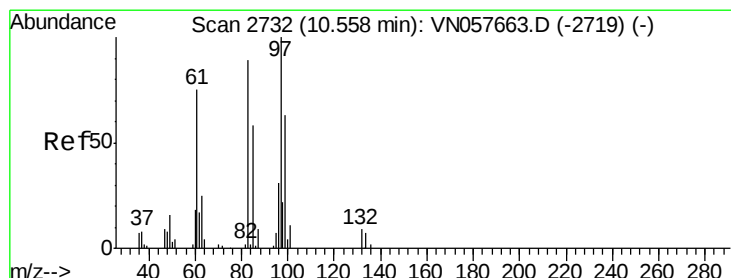
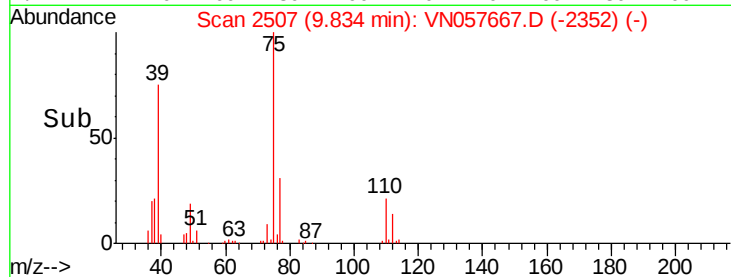
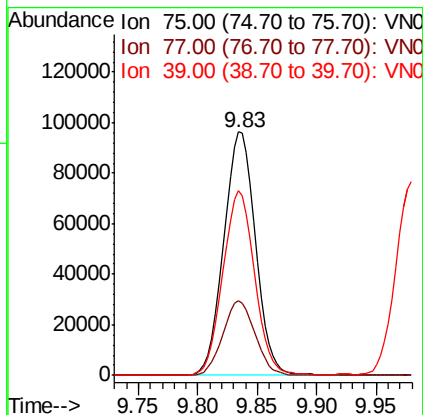
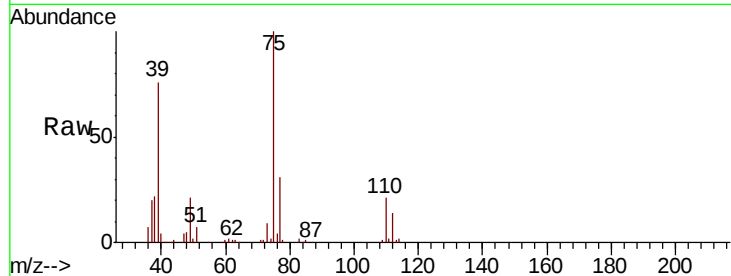


#49

cis-1,3-Dichloropropene
 Concen: 20.324 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

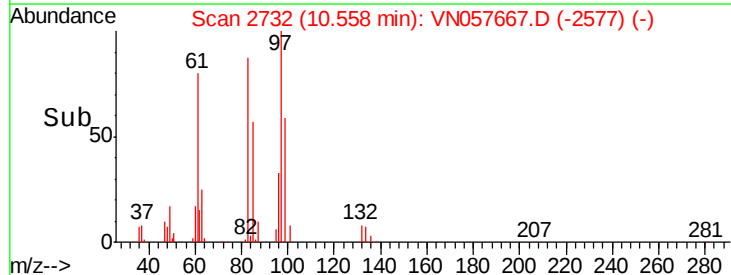
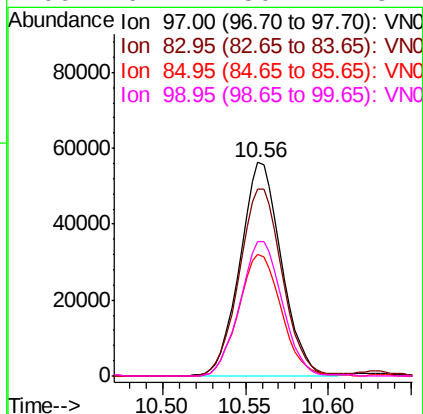
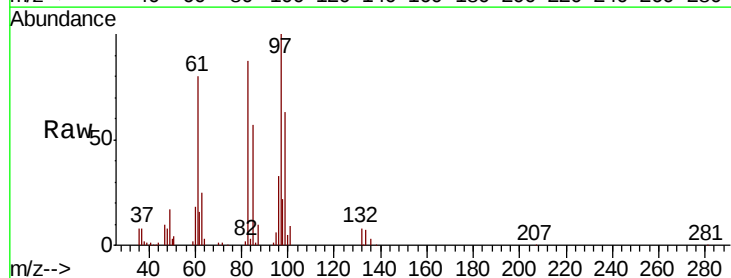
Tgt Ion: 75 Resp: 178257
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.4 35.2
 39 75.6 56.6 85.0

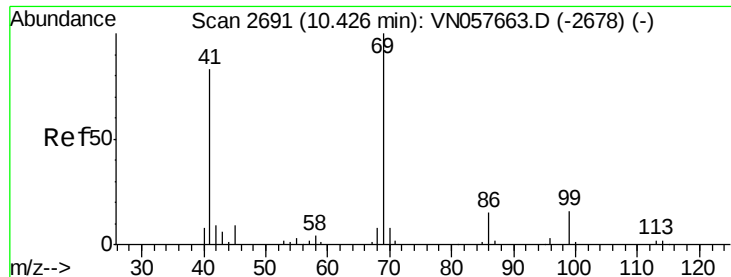


#50

1,1,2-Trichloroethane
 Concen: 20.029 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 97 Resp: 97948
 Ion Ratio Lower Upper
 97 100
 83 87.5 71.4 107.2
 85 57.0 46.0 69.0
 99 62.7 50.2 75.2





#51

Ethyl methacrylate

Concen: 19.716 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

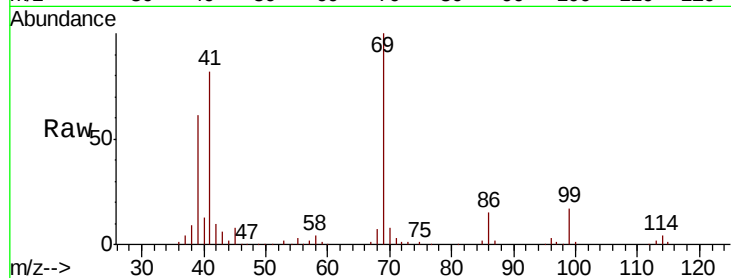
Tgt Ion: 69 Resp: 157178

Ion Ratio Lower Upper

69 100

41 81.5 41.5 124.5

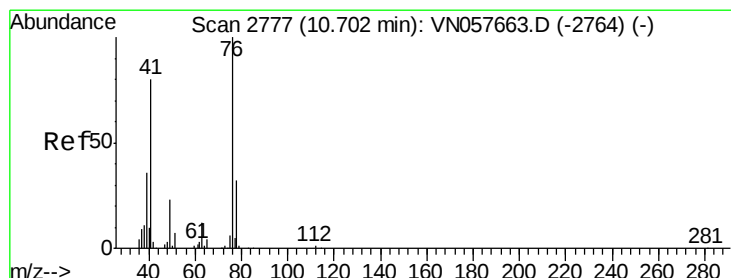
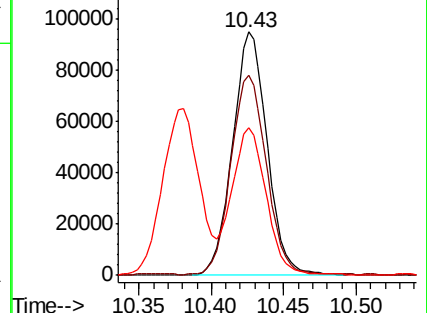
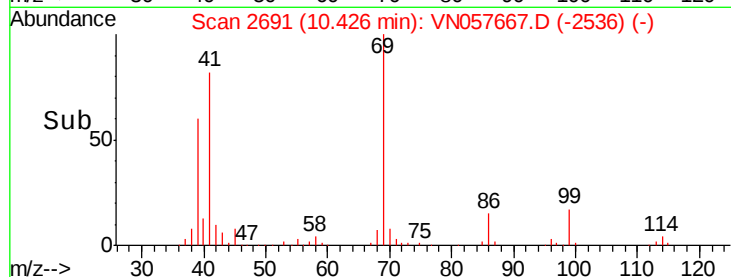
39 60.4 29.6 88.9



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.313 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057667.D

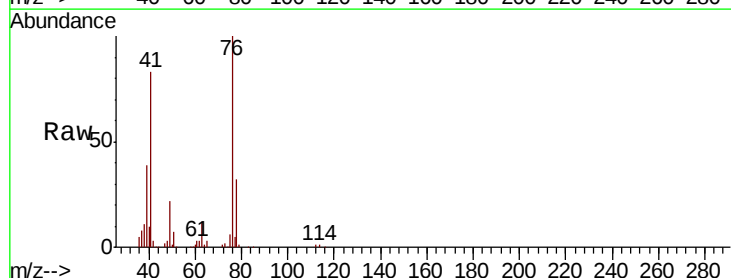
Acq: 3 Sep 2019 17:05

Tgt Ion: 76 Resp: 176810

Ion Ratio Lower Upper

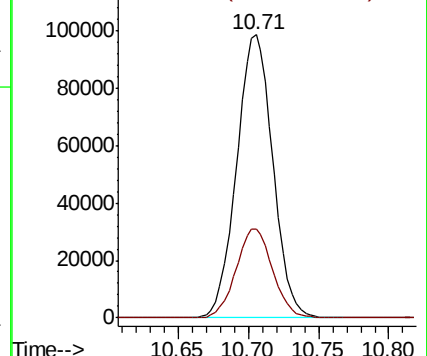
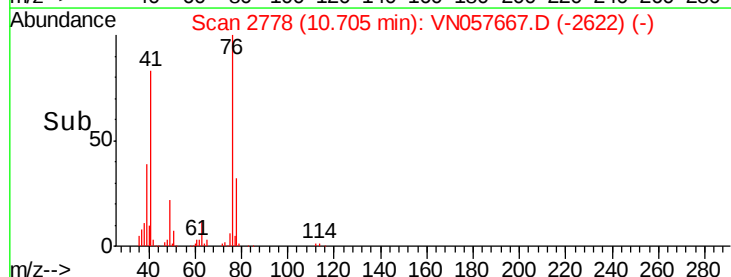
76 100

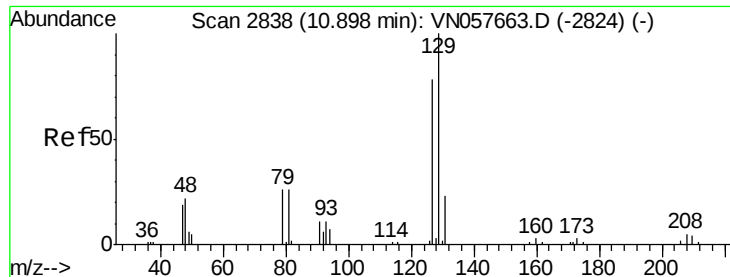
78 31.9 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

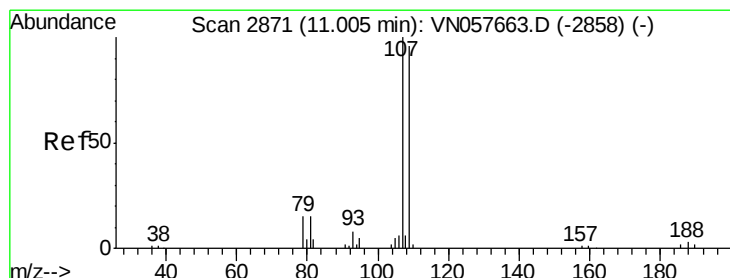
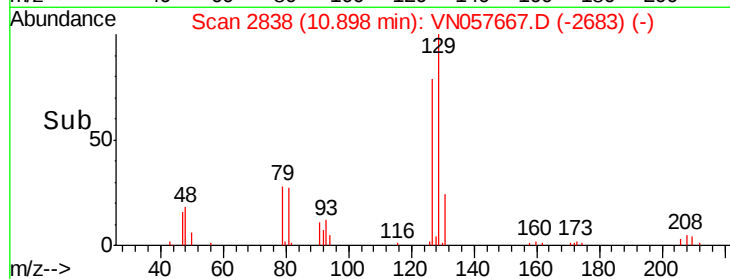
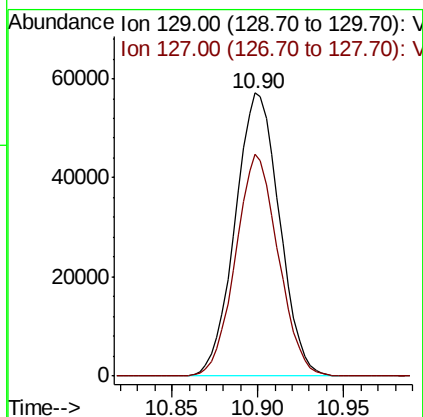
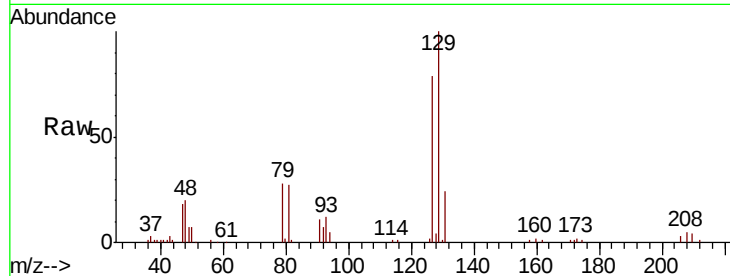




#53
Dibromochloromethane
Concen: 20.060 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

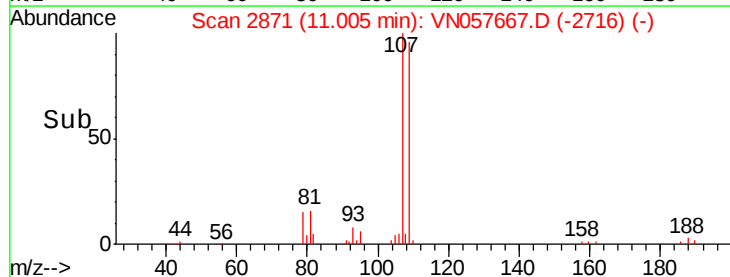
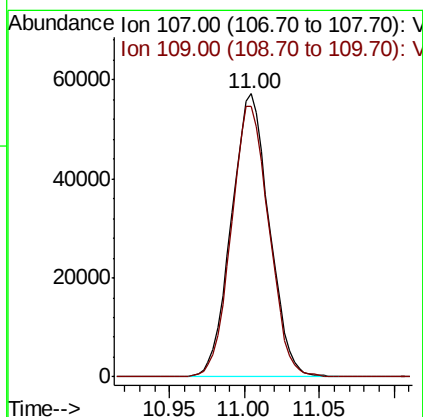
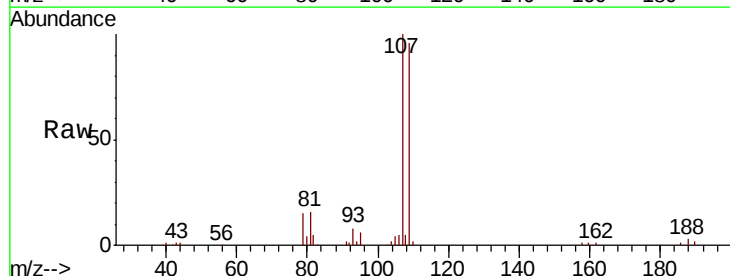
Instrument :
MSVOA_N
ClientSampleId :
ICVFN090319

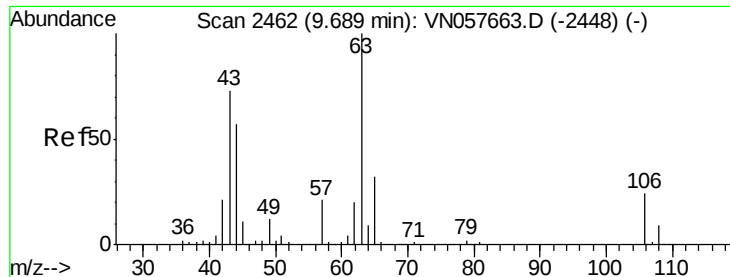
Tgt Ion:129 Resp: 102382
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.3



#54
1,2-Dibromoethane
Concen: 20.593 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion:107 Resp: 100667
Ion Ratio Lower Upper
107 100
109 95.1 76.2 114.4

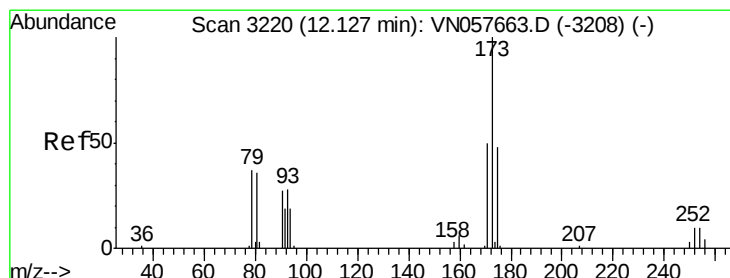
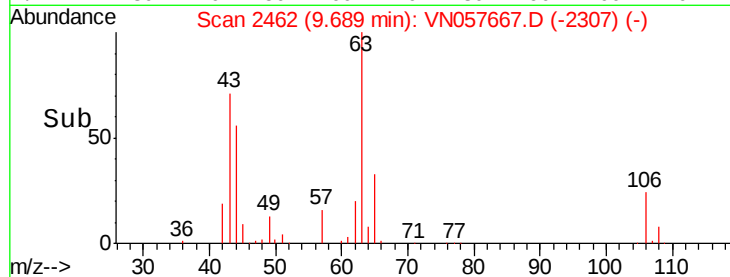
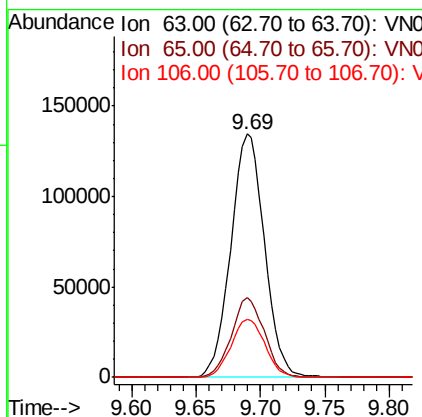
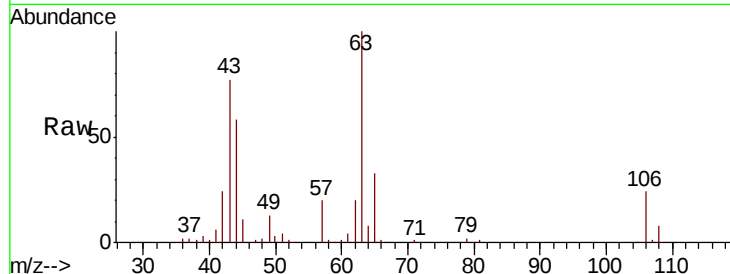




#55
2-Chloroethyl vinyl ether
Concen: 96.949 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

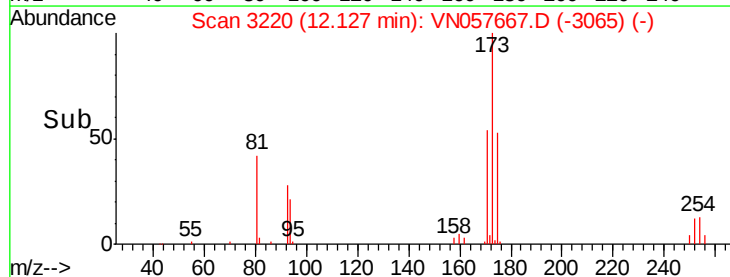
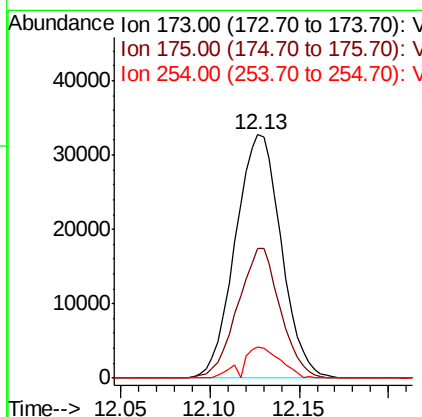
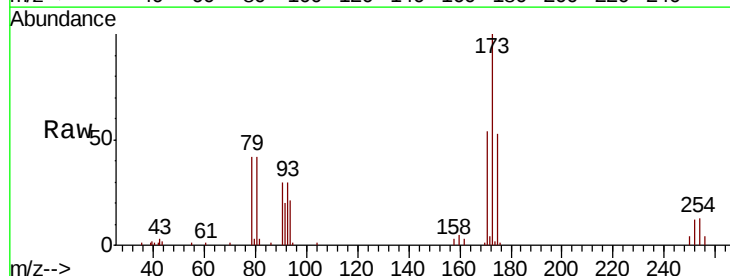
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

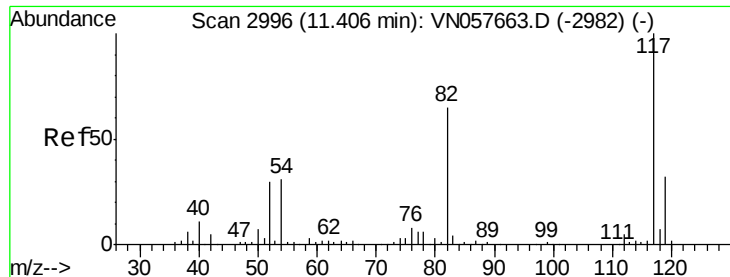
Tgt Ion: 63 Resp: 244195
Ion Ratio Lower Upper
63 100
65 32.0 25.6 38.4
106 23.9 19.5 29.3



#56
Bromoform
Concen: 18.588 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 173 Resp: 58831
Ion Ratio Lower Upper
173 100
175 49.6 38.8 58.2
254 9.0 7.2 10.8

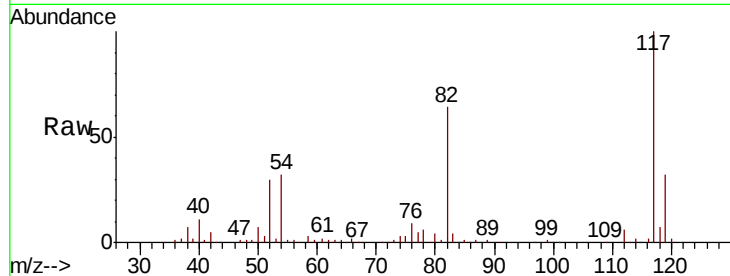




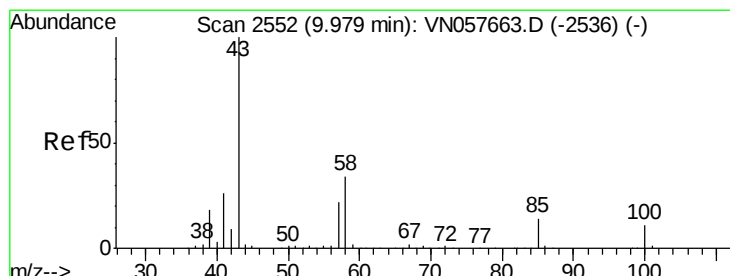
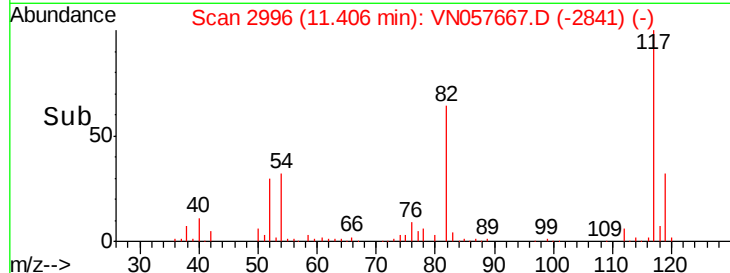
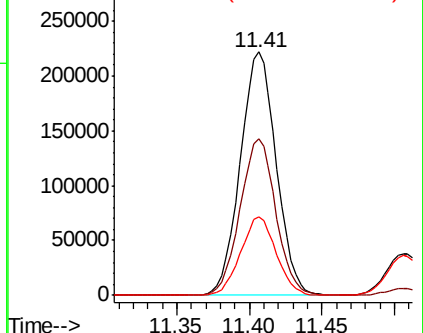
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

Tgt Ion: 117 Resp: 382394
 Ion Ratio Lower Upper
 117 100
 82 63.9 51.2 76.8
 119 31.9 25.8 38.6

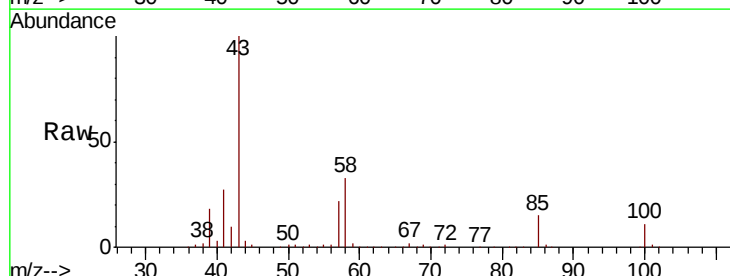


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70): V

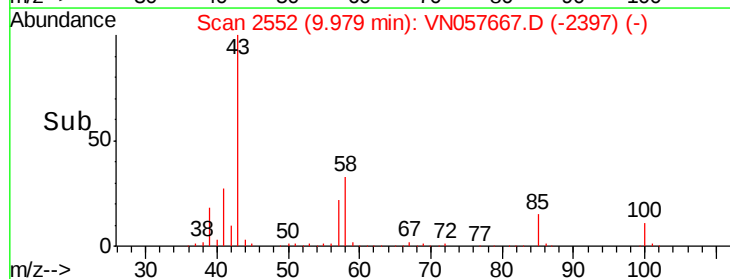
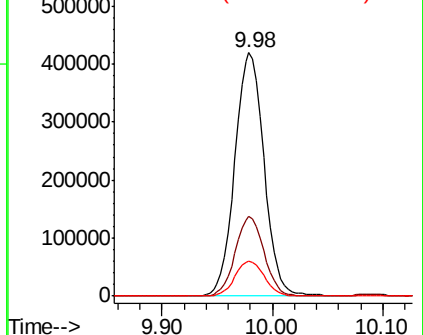


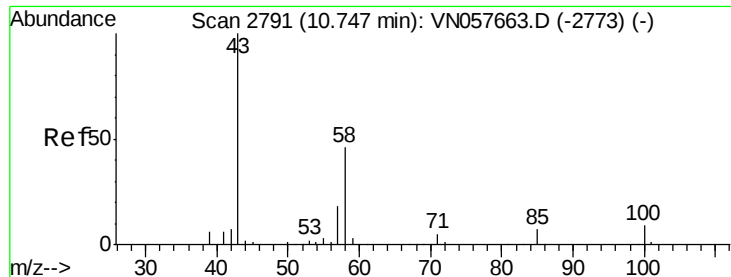
#58
 4-Methyl-2-Pentanone
 Concen: 114.101 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 43 Resp: 771084
 Ion Ratio Lower Upper
 43 100
 58 32.3 26.7 40.1
 85 14.4 11.2 16.8



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

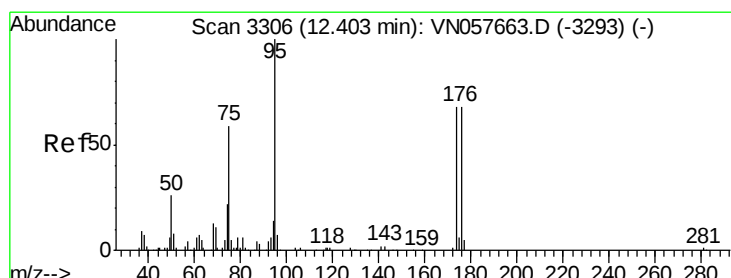
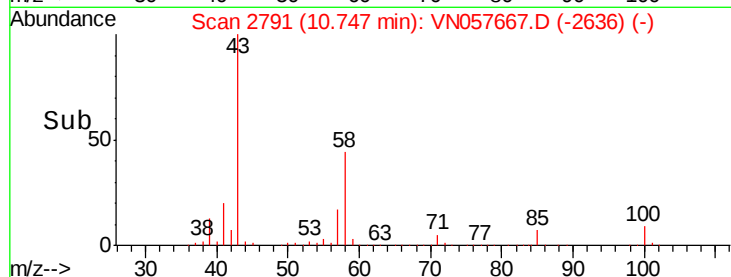
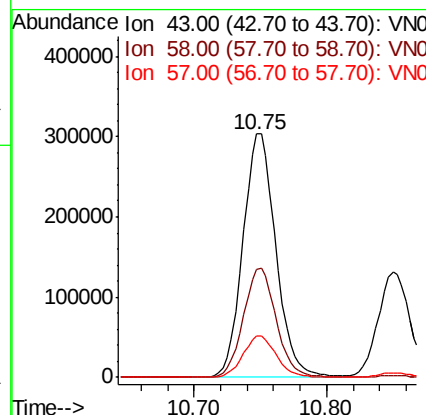
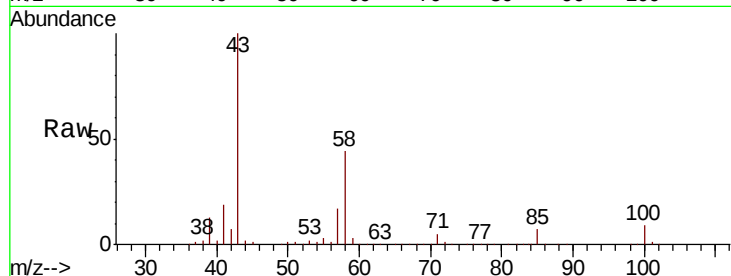




#59
2-Hexanone
Concen: 109.688 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

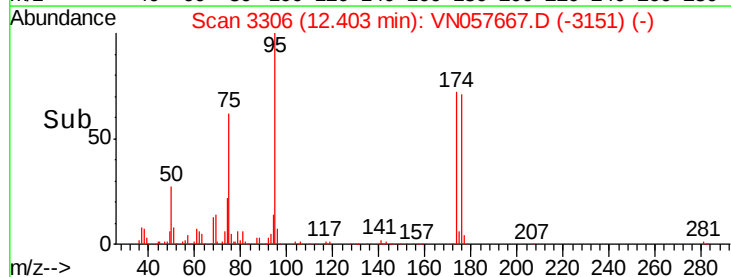
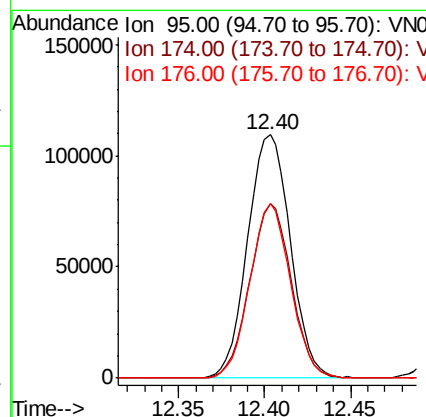
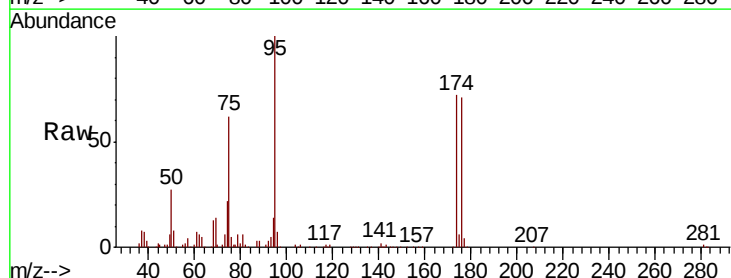
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

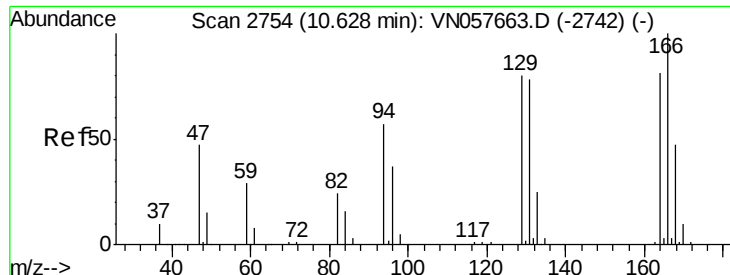
Tgt Ion: 43 Resp: 524543
Ion Ratio Lower Upper
43 100
58 44.7 36.1 54.1
57 17.1 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.016 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 95 Resp: 189562
Ion Ratio Lower Upper
95 100
174 69.4 55.0 82.6
176 68.1 53.7 80.5





#61

Tetrachloroethene

Concen: 21.106 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

Tgt Ion:164 Resp: 92675

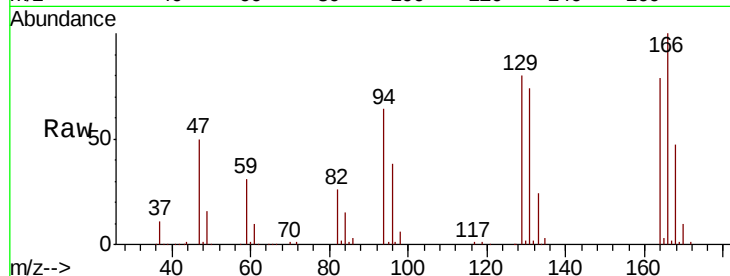
Ion Ratio Lower Upper

164 100

166 126.2 99.4 149.2

129 101.1 78.8 118.2

131 93.5 78.2 117.2

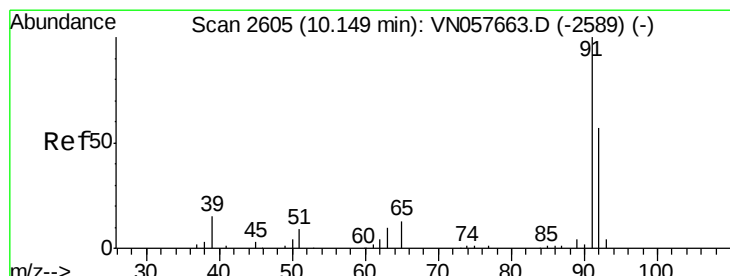
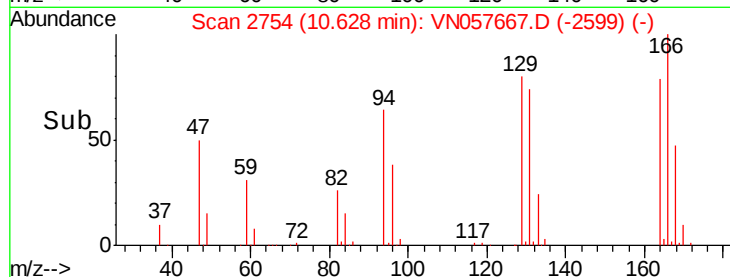
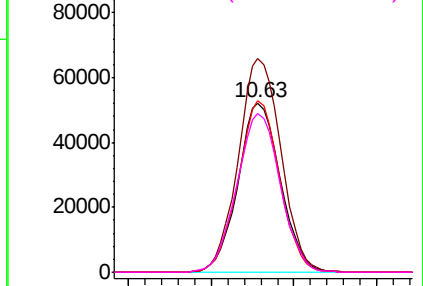


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.991 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057667.D

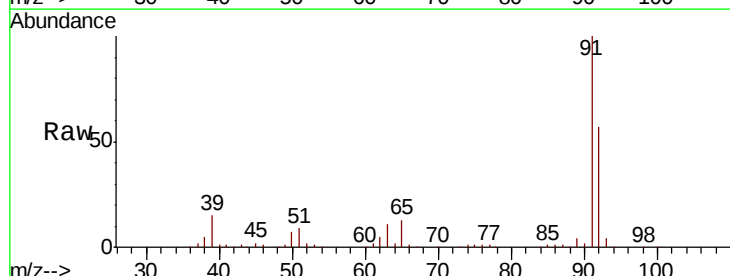
Acq: 3 Sep 2019 17:05

Tgt Ion: 91 Resp: 450685

Ion Ratio Lower Upper

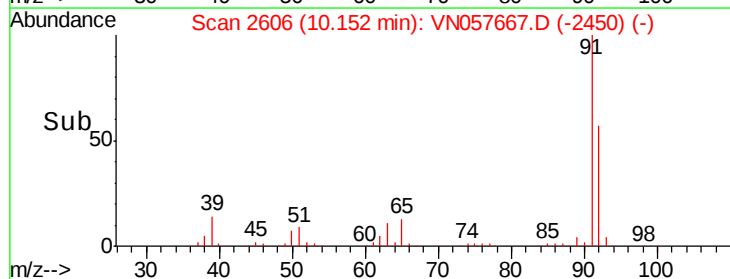
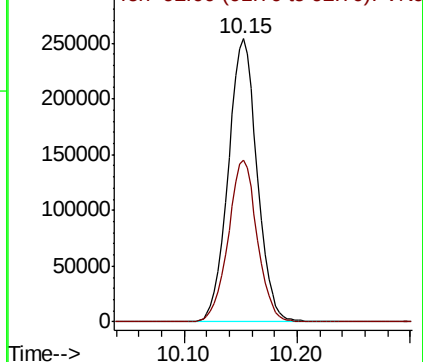
91 100

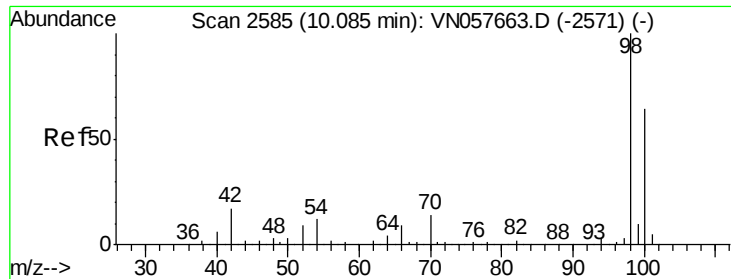
92 57.2 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.402 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

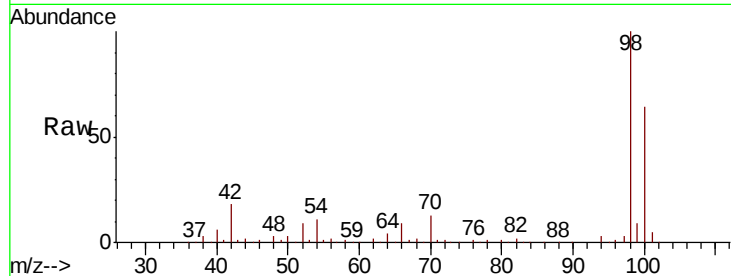
ICVVN090319

Tgt Ion: 98 Resp: 559799

Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057667.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN057667.D (-2571) (-)

10.09

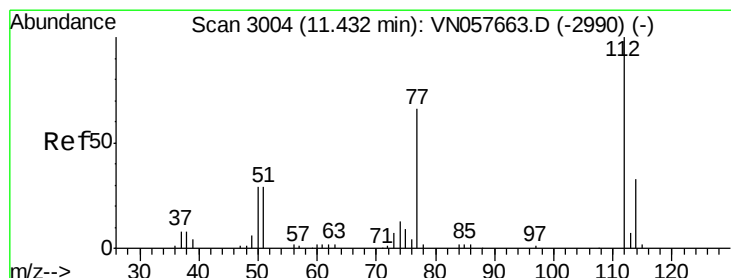
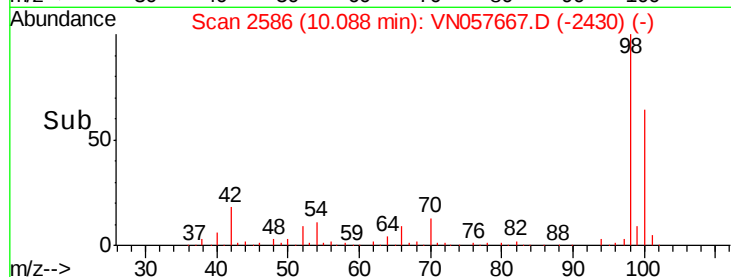
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.433 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057667.D

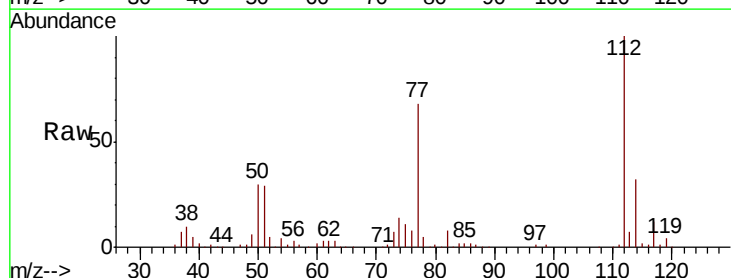
Acq: 3 Sep 2019 17:05

Tgt Ion: 112 Resp: 257599

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): VN057667.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN057667.D (-2849) (-)

11.43

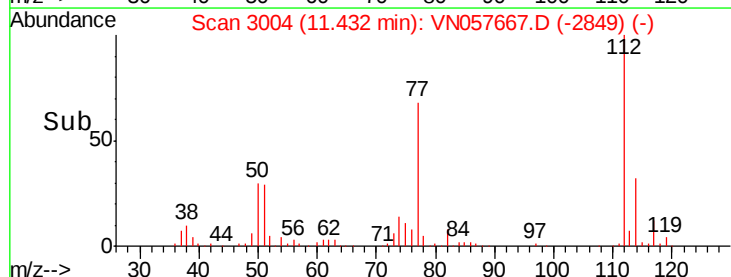
150000

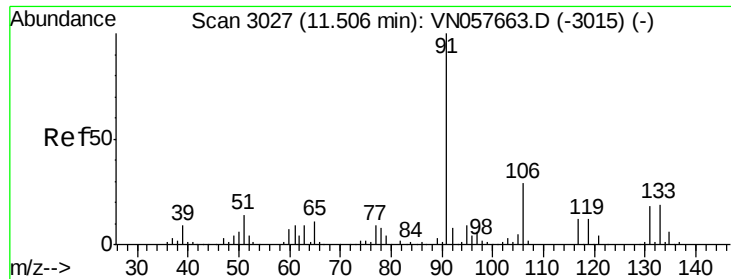
100000

50000

0

Time-->

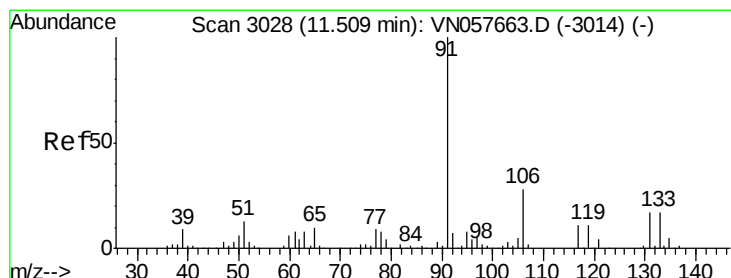
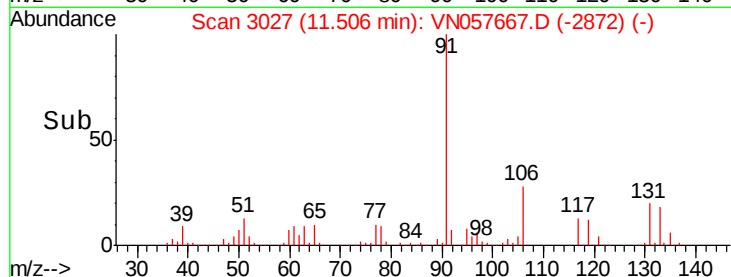
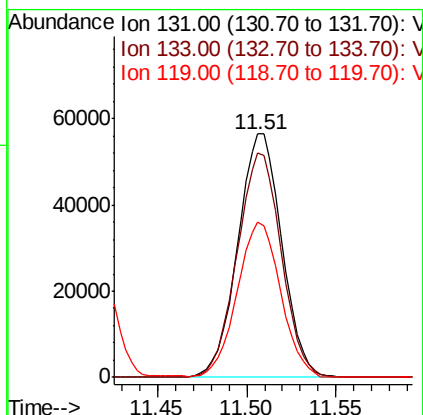
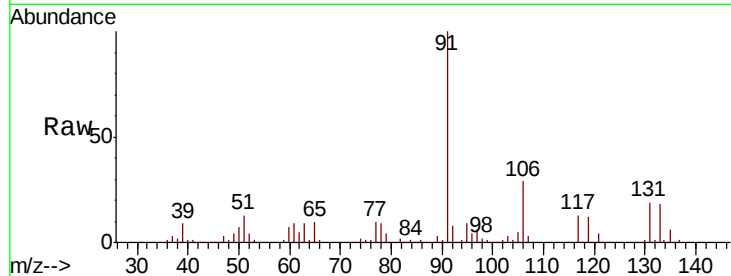




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.039 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

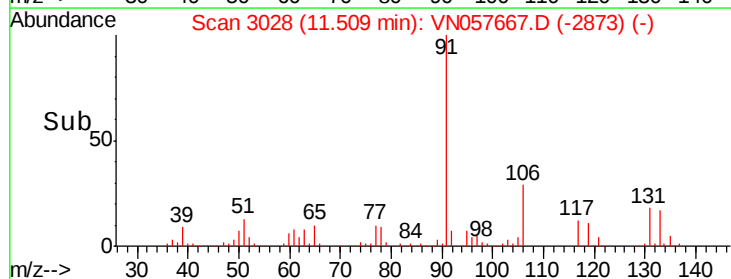
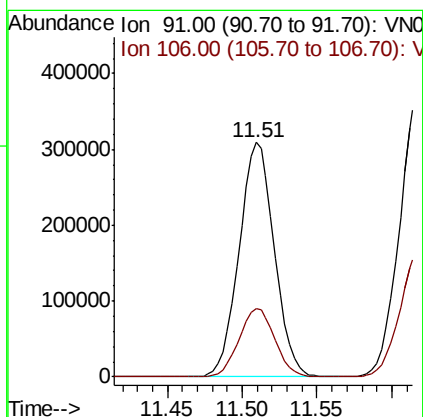
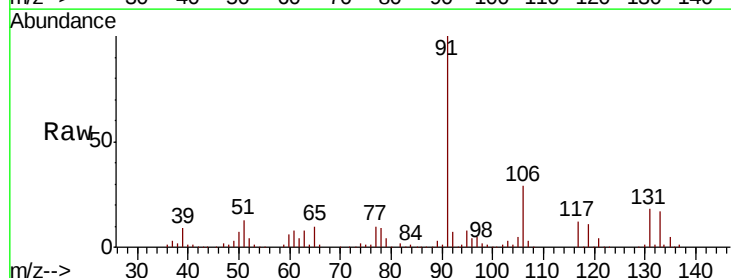
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

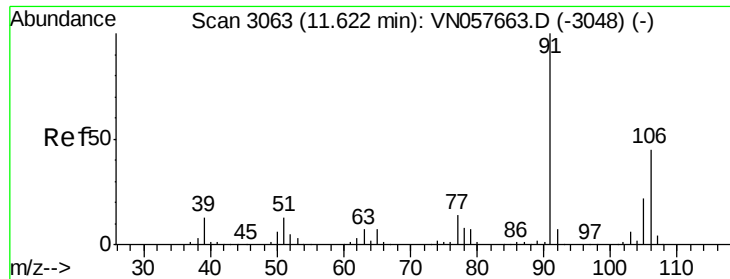
Tgt Ion: 131 Resp: 97169
 Ion Ratio Lower Upper
 131 100
 133 92.5 0.0 198.0
 119 62.9 0.0 129.8



#66
 Ethyl Benzene
 Concen: 21.112 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 91 Resp: 506660
 Ion Ratio Lower Upper
 91 100
 106 29.3 22.7 34.1

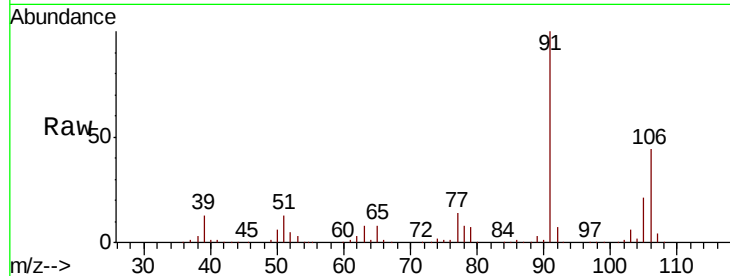




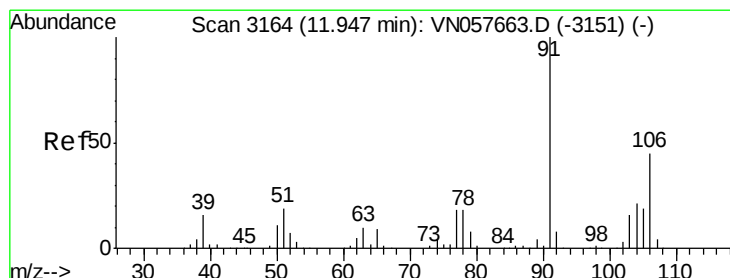
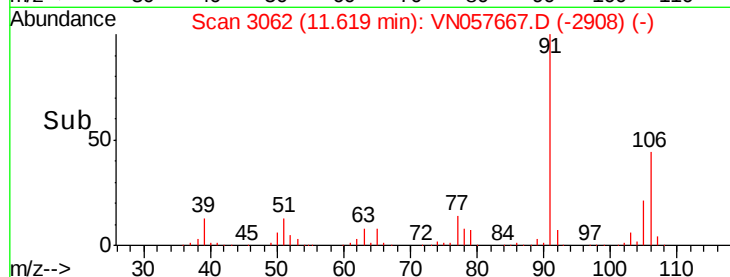
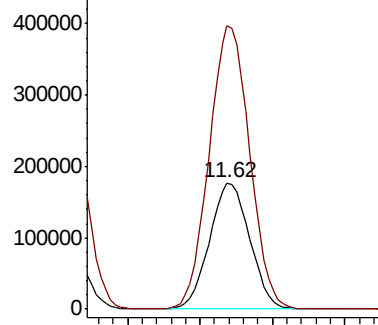
#67
m/p-Xylenes
Concen: 40.466 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

Tgt Ion:106 Resp: 340592
Ion Ratio Lower Upper
106 100
91 225.3 178.9 268.3

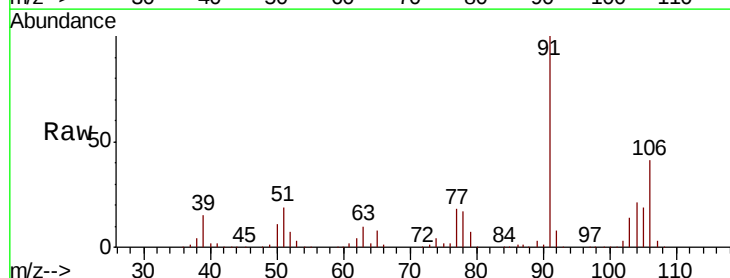


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

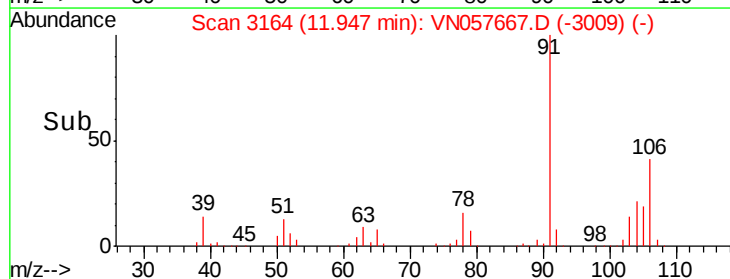
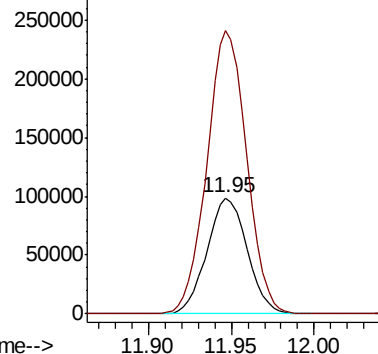


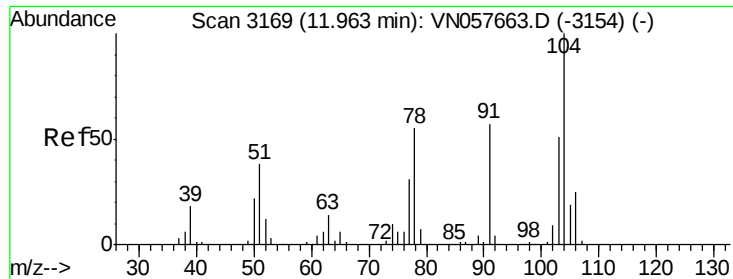
#68
o-Xylene
Concen: 19.822 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion:106 Resp: 166128
Ion Ratio Lower Upper
106 100
91 241.3 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

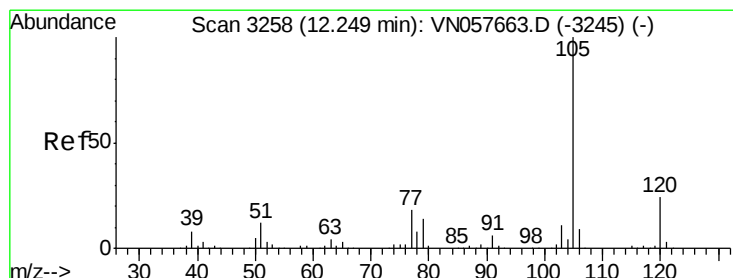
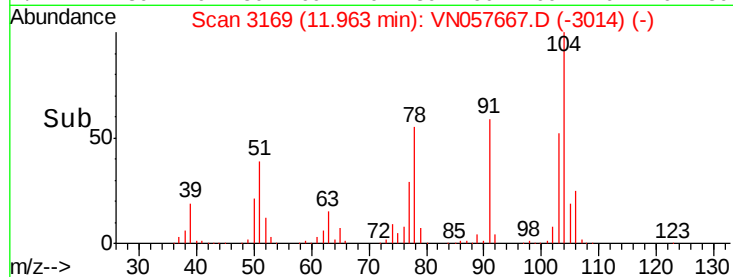
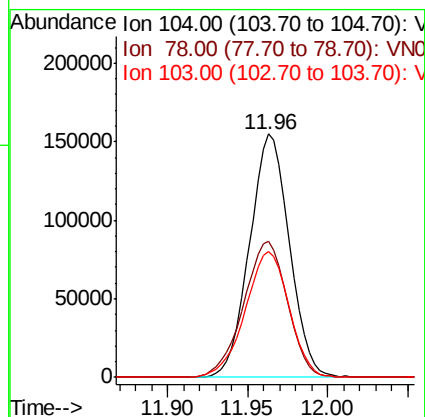
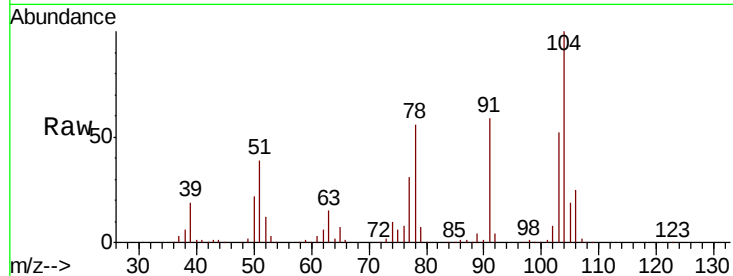




#69
Styrene
Concen: 19.730 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

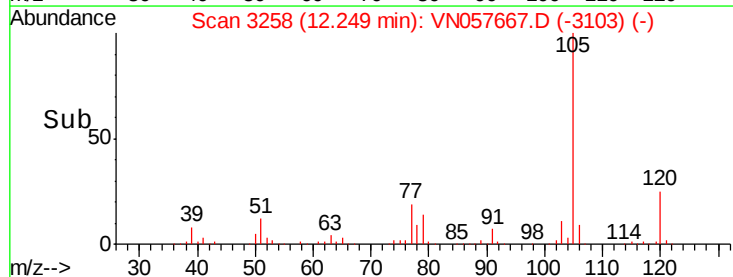
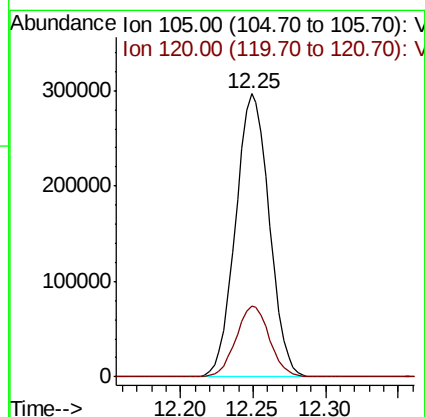
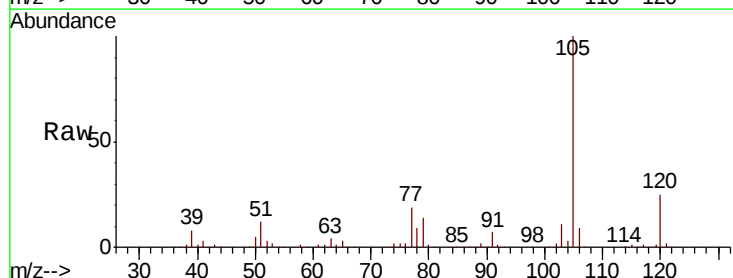
Instrument :
MSVOA_N
ClientSampled :
ICVVN090319

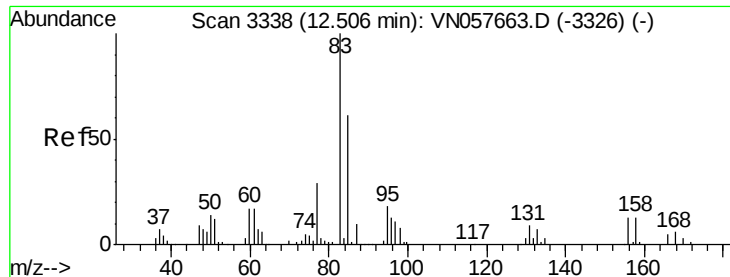
Tgt Ion:104 Resp: 265033
Ion Ratio Lower Upper
104 100
78 61.4 49.0 73.6
103 56.7 44.9 67.3



#70
Isopropylbenzene
Concen: 20.792 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion:105 Resp: 477960
Ion Ratio Lower Upper
105 100
120 24.7 17.2 32.0

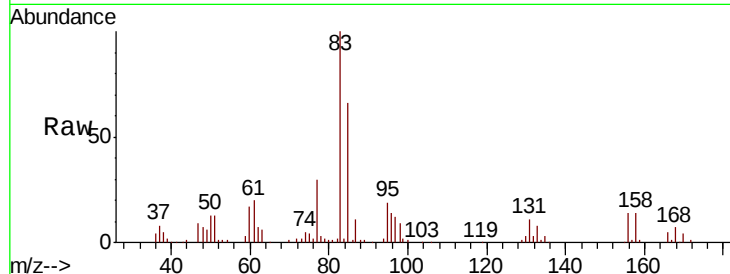




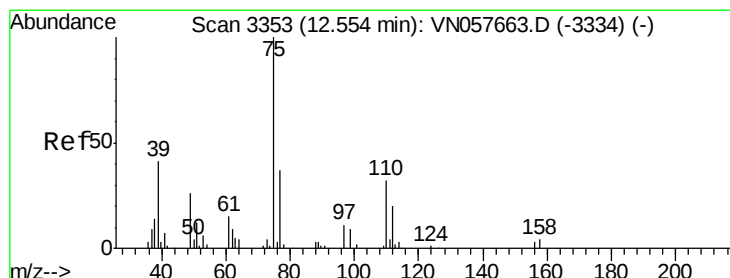
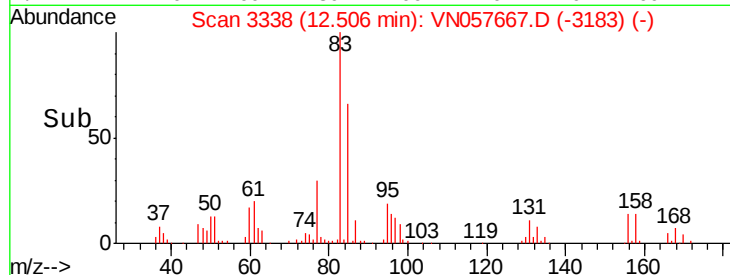
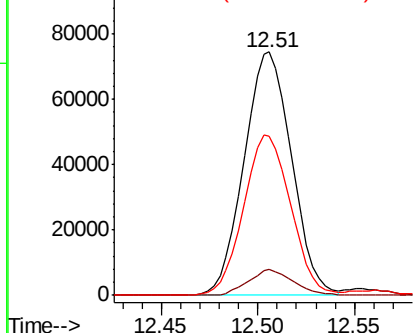
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.086 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

Tgt Ion: 83 Resp: 127540
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.0 14.9
 85 65.5 31.7 95.1

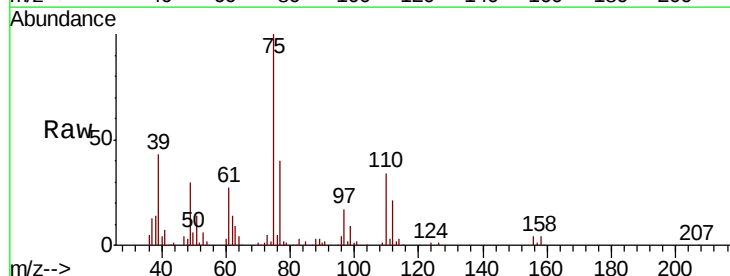


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

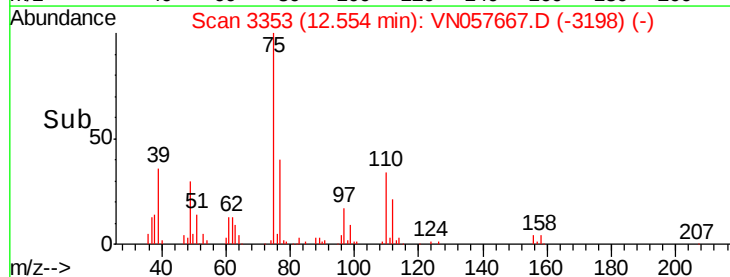
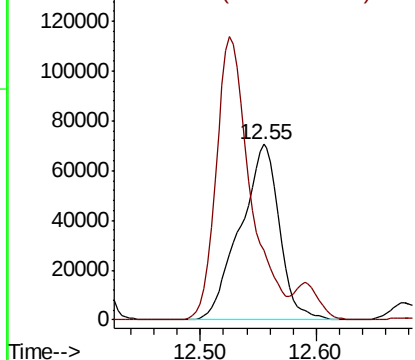


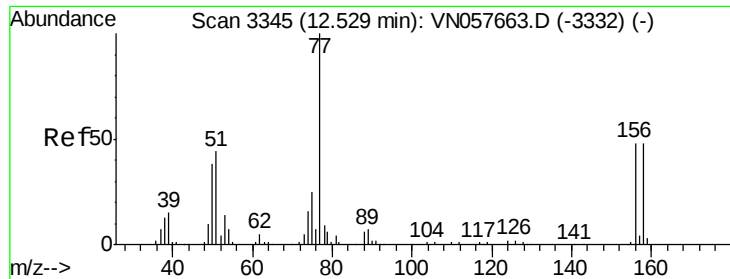
#72
 1,2,3-Trichloropropane
 Concen: 29.287 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 75 Resp: 166592
 Ion Ratio Lower Upper
 75 100
 77 139.5 0.0 405.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0

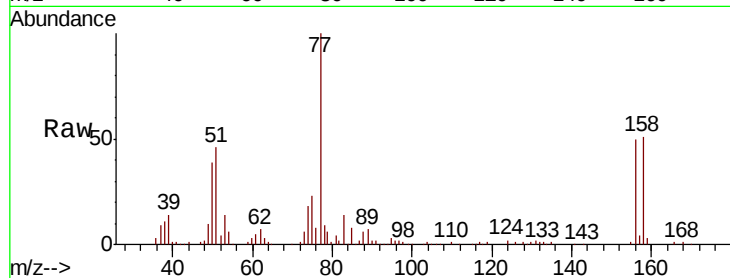




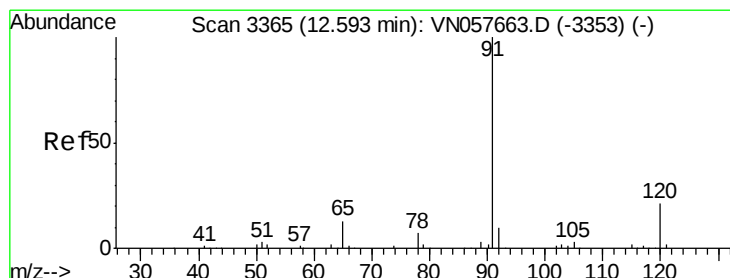
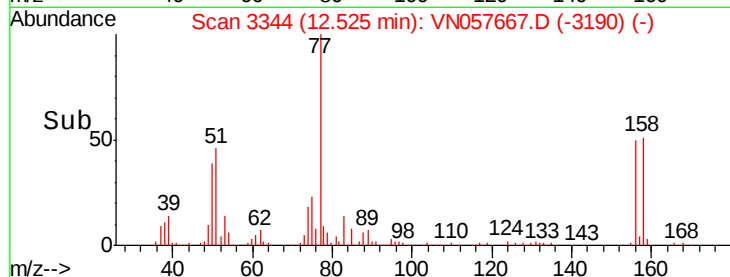
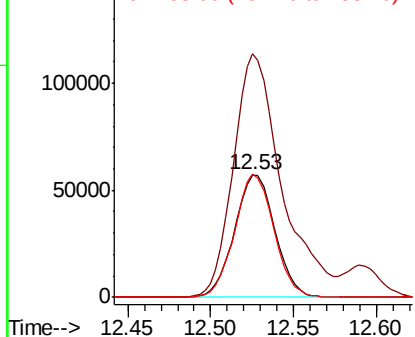
#73
Bromobenzene
Concen: 19.963 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampled :
ICVVN090319

Tgt Ion: 156 Resp: 97248
Ion Ratio Lower Upper
156 100
77 239.1 0.0 495.6
158 97.6 0.0 197.8

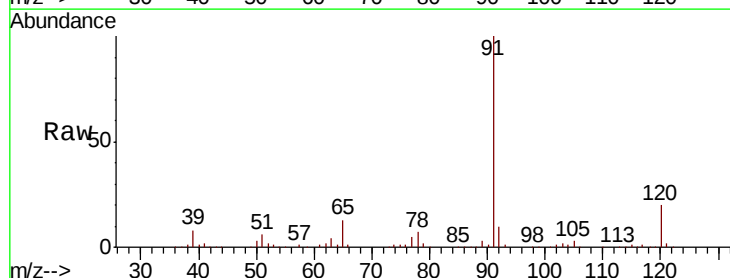


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

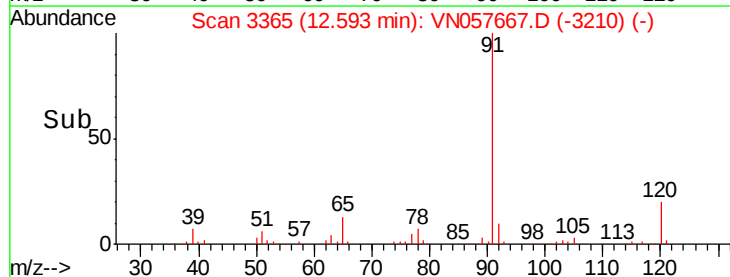
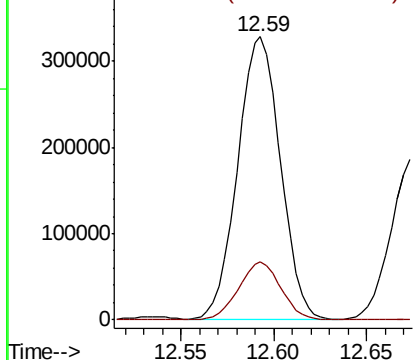


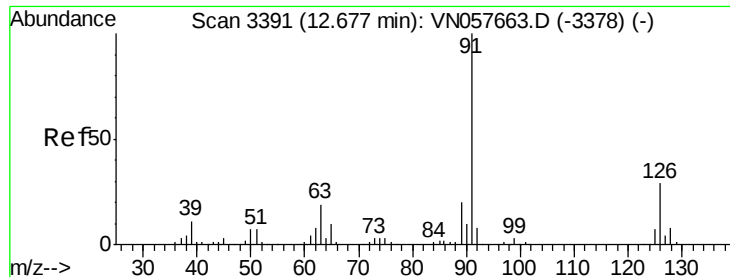
#74
n-propylbenzene
Concen: 20.674 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 91 Resp: 526101
Ion Ratio Lower Upper
91 100
120 20.1 0.0 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.119 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

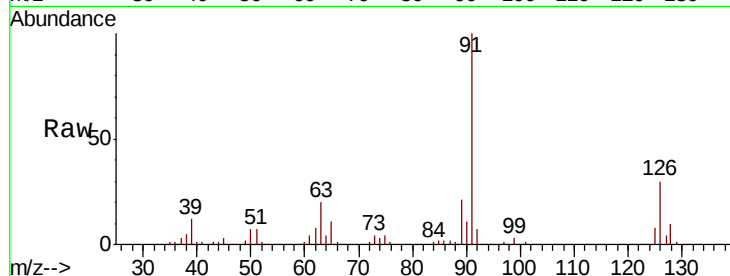
ICVVN090319

Tgt Ion: 91 Resp: 320521

Ion Ratio Lower Upper

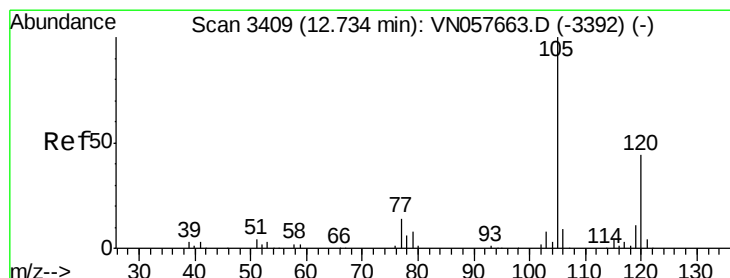
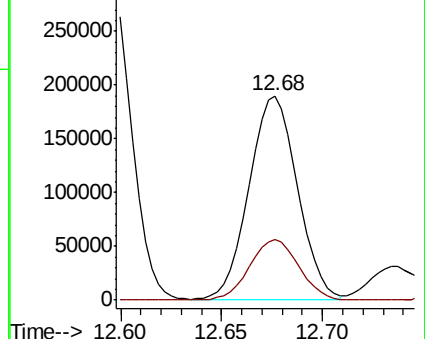
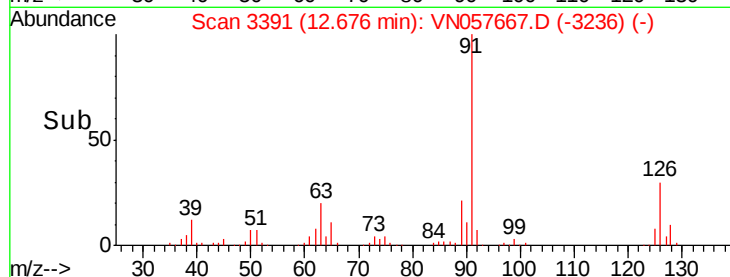
91 100

126 30.2 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VN057667.D (-3236) (-)

Ion 126.00 (125.70 to 126.70): VN057667.D (-3236) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.816 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057667.D

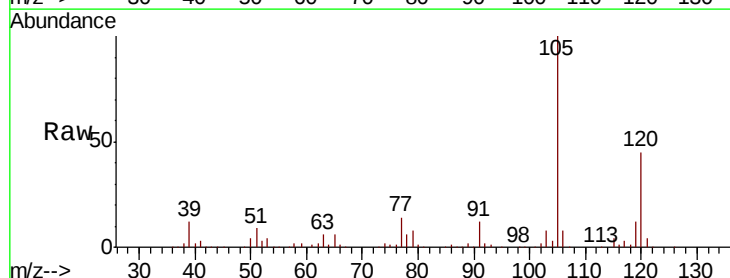
Acq: 3 Sep 2019 17:05

Tgt Ion: 105 Resp: 397258

Ion Ratio Lower Upper

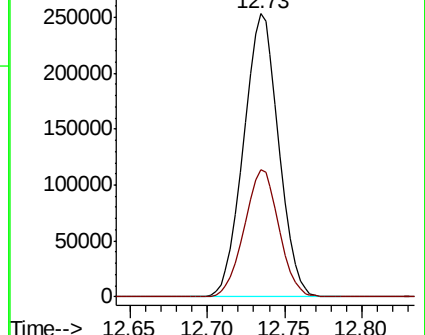
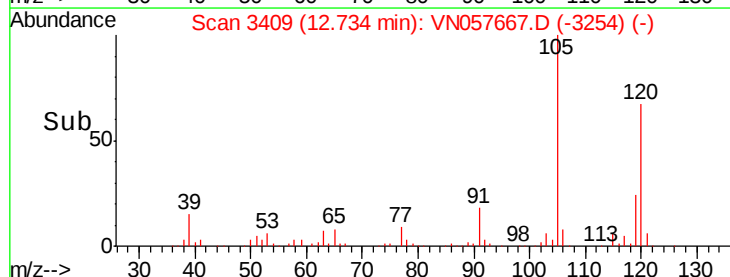
105 100

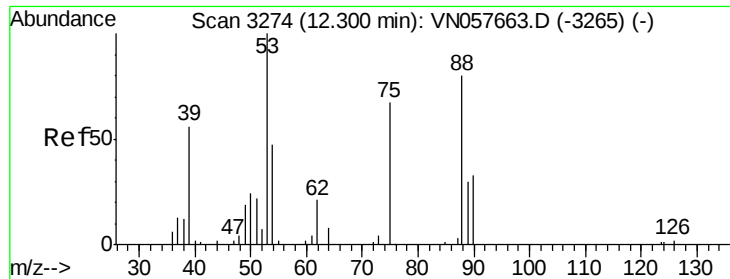
120 44.7 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057667.D (-3254) (-)

Ion 120.00 (119.70 to 120.70): VN057667.D (-3254) (-)

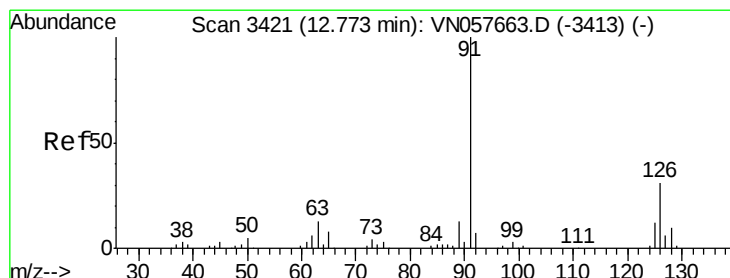
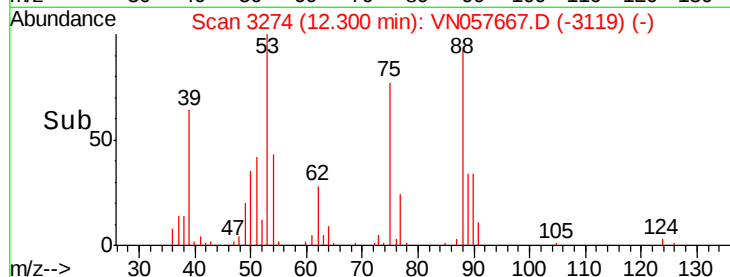
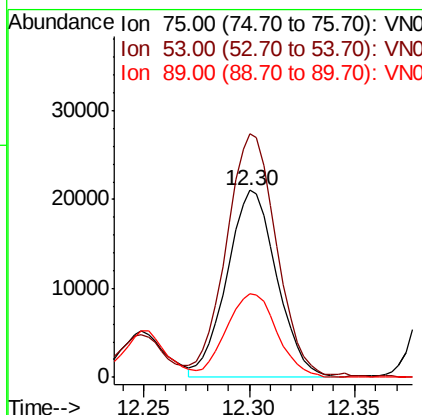
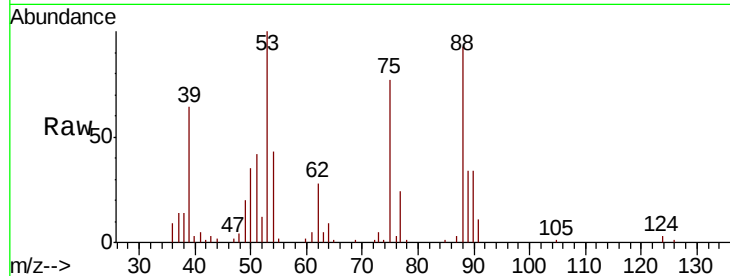




#77
t-1,4-Dichloro-2-butene
Concen: 19.867 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

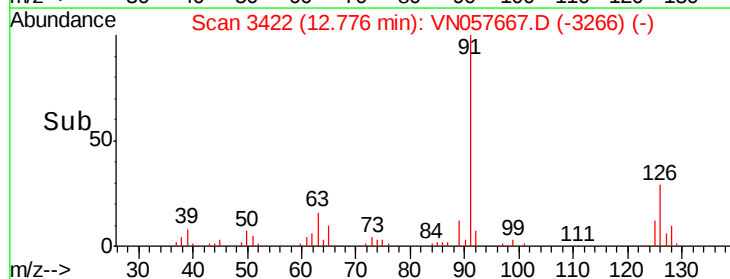
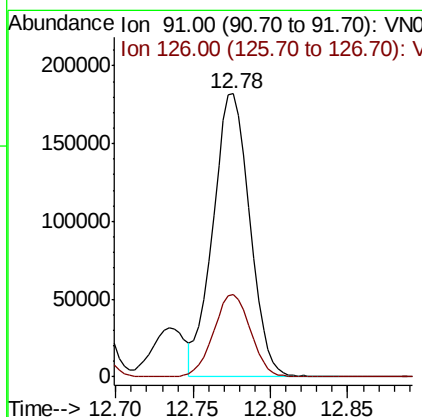
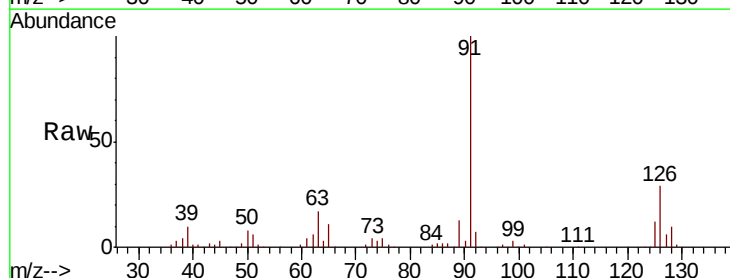
Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

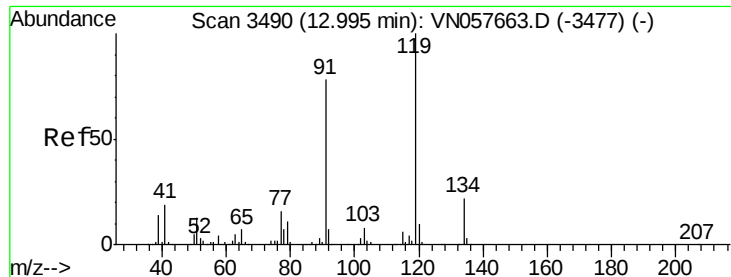
Tgt Ion: 75 Resp: 34497
Ion Ratio Lower Upper
75 100
53 128.8 74.2 222.6
89 44.6 23.3 69.9



#78
4-Chlorotoluene
Concen: 19.949 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion: 91 Resp: 301951
Ion Ratio Lower Upper
91 100
126 29.2 0.0 57.8

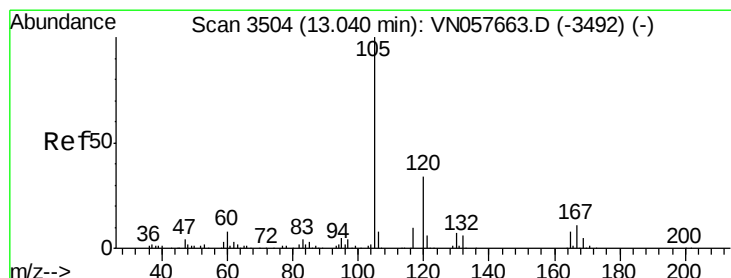
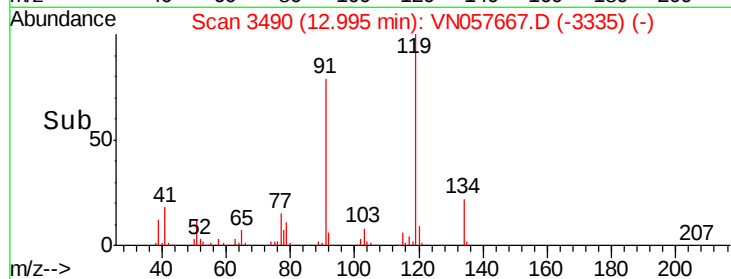
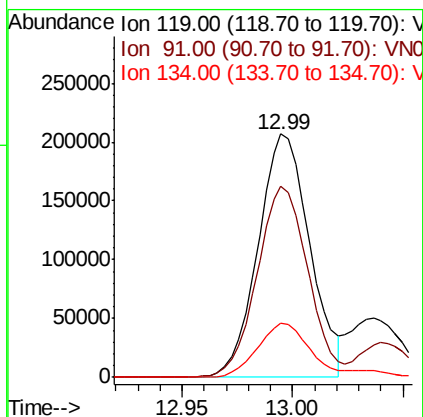
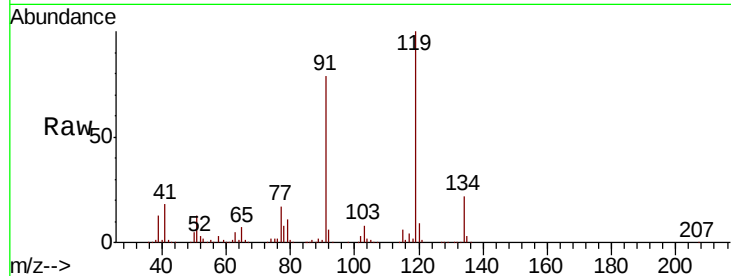




#79
tert-butylbenzene
Concen: 20.451 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

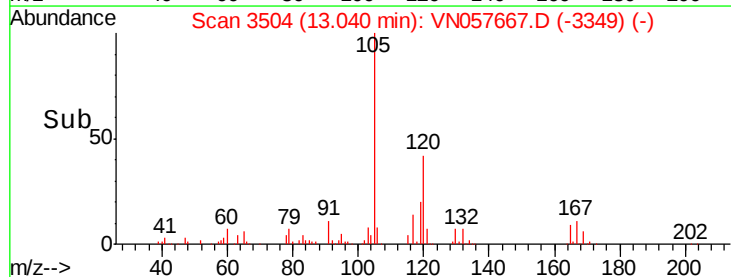
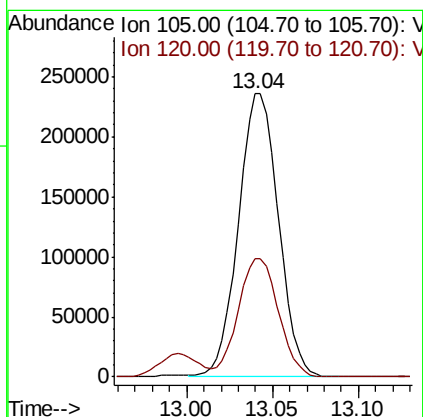
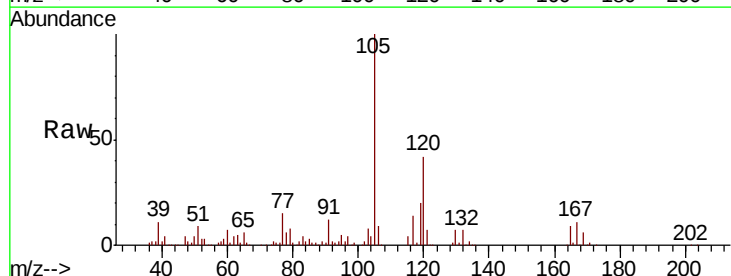
Instrument :
MSVOA_N
ClientSampled :
ICVVN090319

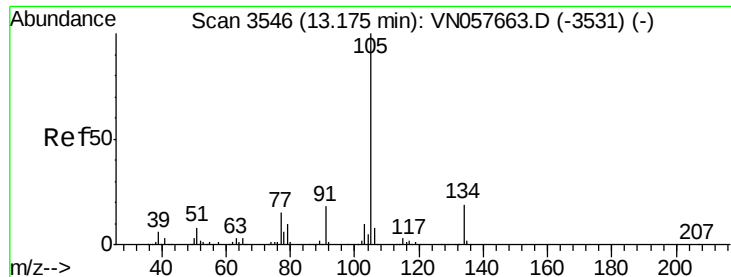
Tgt Ion:119 Resp: 335190
Ion Ratio Lower Upper
119 100
91 77.5 0.0 155.6
134 22.2 0.0 48.2



#80
1,2,4-Trimethylbenzene
Concen: 21.158 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion:105 Resp: 379381
Ion Ratio Lower Upper
105 100
120 42.2 0.0 83.4

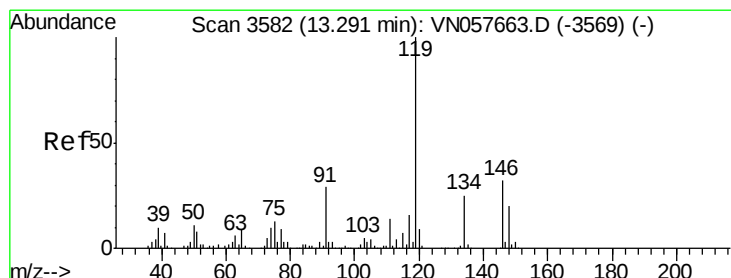
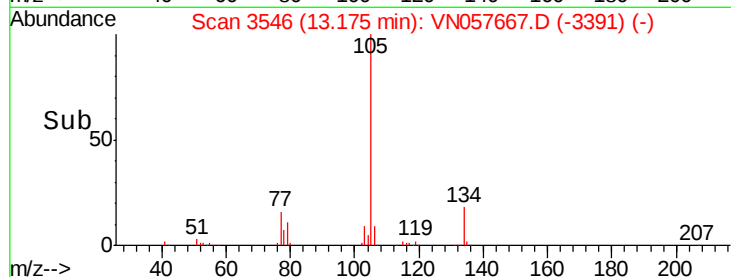
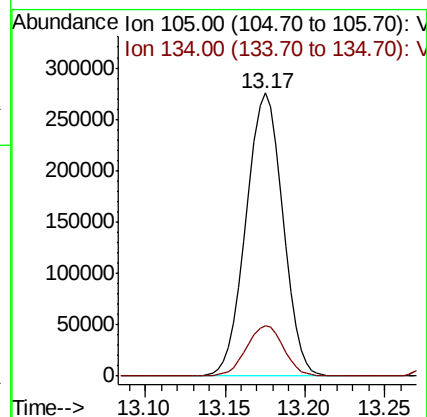
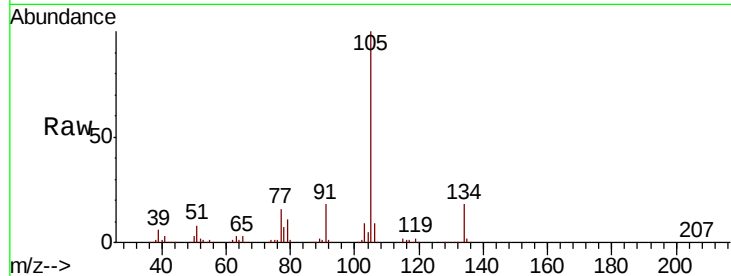




#81
 sec-Butylbenzene
 Concen: 20.473 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

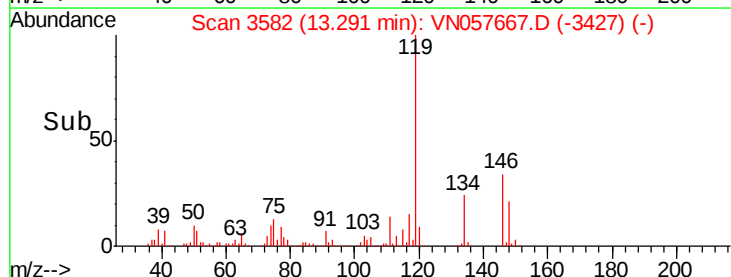
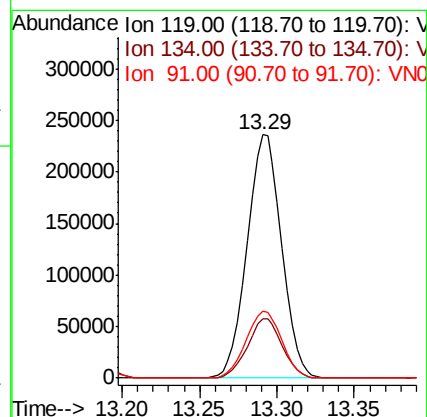
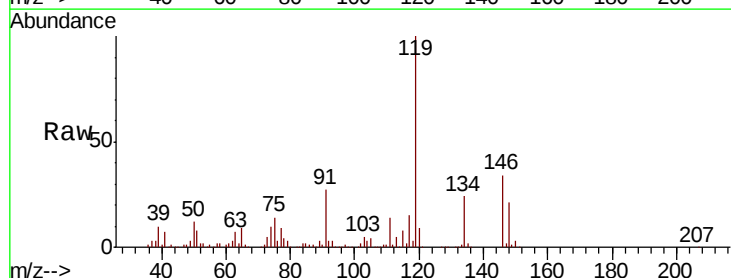
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

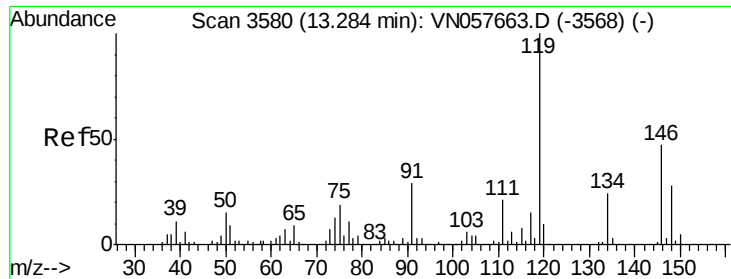
Tgt Ion:105 Resp: 432424
 Ion Ratio Lower Upper
 105 100
 134 18.0 0.0 36.2



#82
 p-Isopropyltoluene
 Concen: 20.389 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion:119 Resp: 365778
 Ion Ratio Lower Upper
 119 100
 134 24.6 0.0 49.6
 91 28.5 0.0 56.2

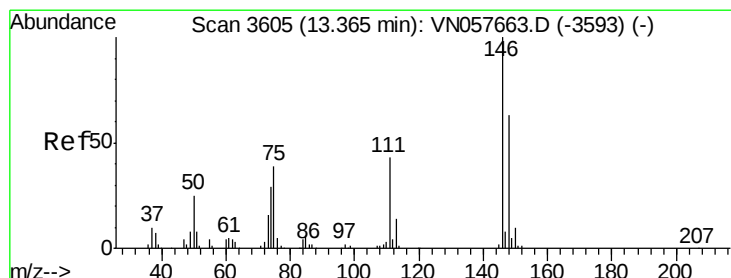
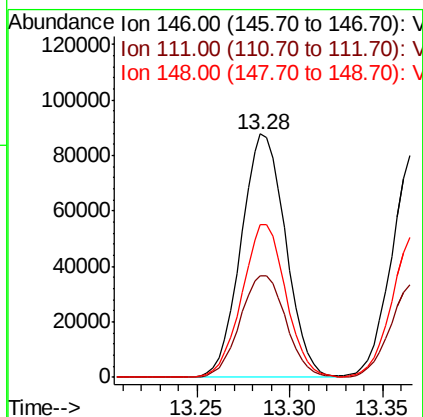
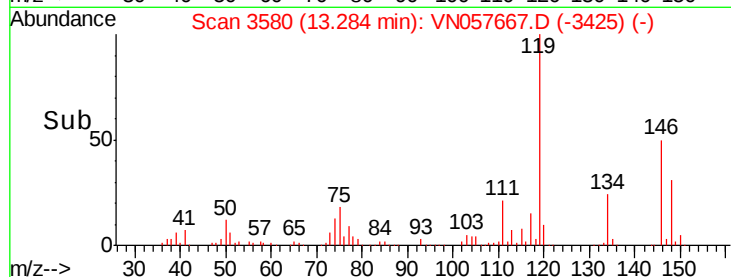
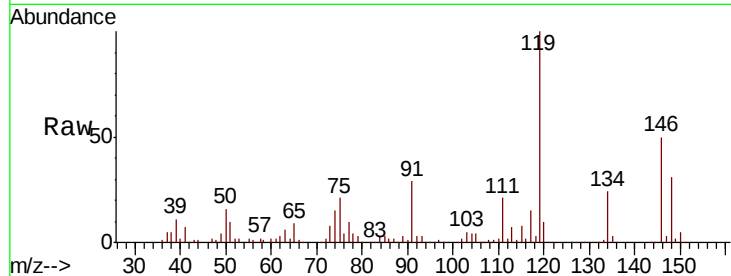




#83
 1,3-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

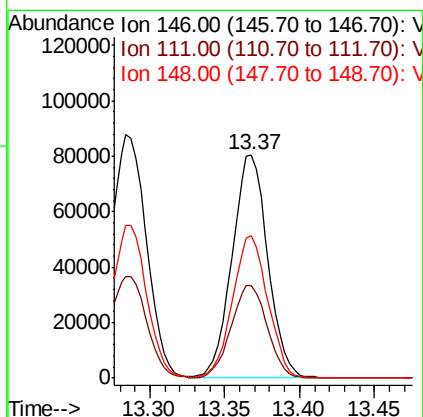
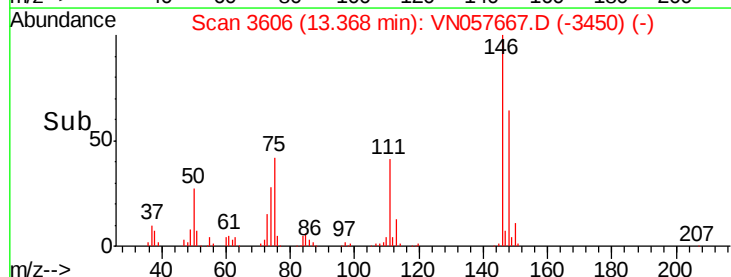
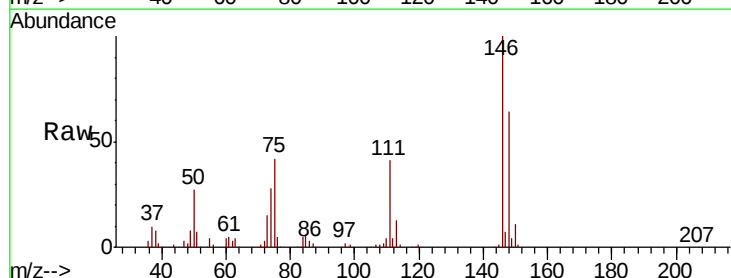
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

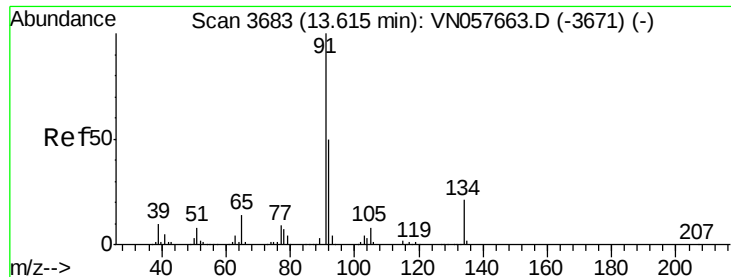
Tgt Ion:146 Resp: 147330
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.1 66.3
 148 61.8 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 19.495 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion:146 Resp: 134272
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.9
 148 62.9 31.0 93.0





#85

n-Butylbenzene

Concen: 21.424 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057667.D

Acq: 3 Sep 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090319

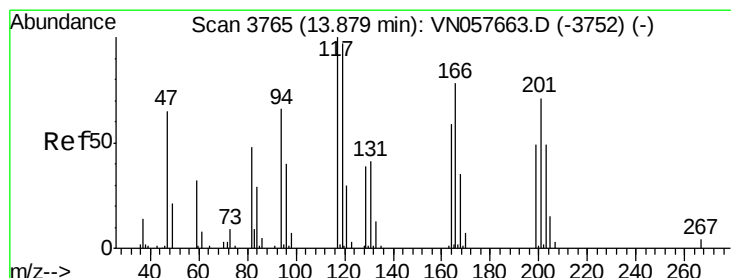
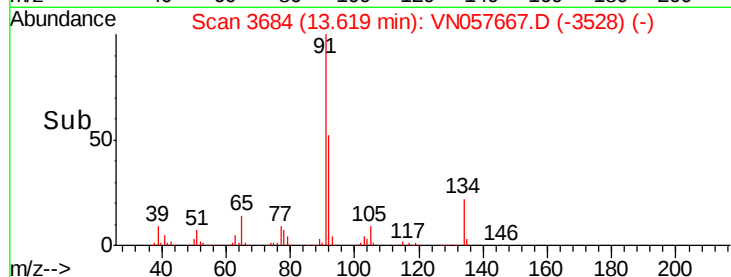
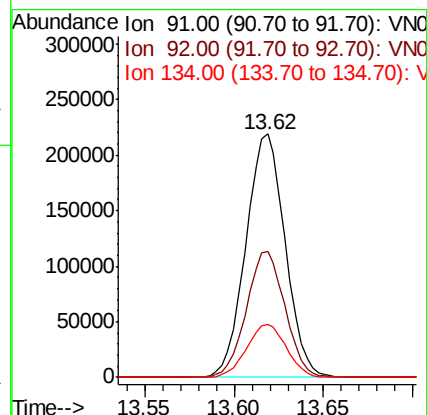
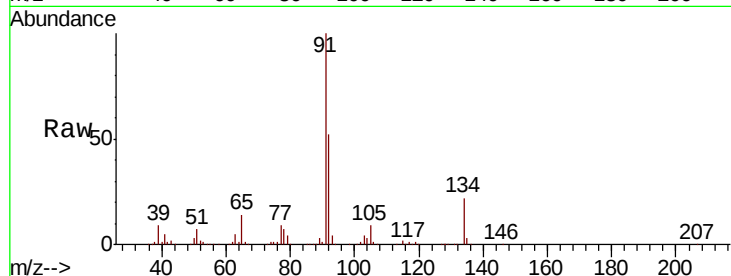
Tgt Ion: 91 Resp: 337821

Ion Ratio Lower Upper

91 100

92 50.9 0.0 100.2

134 22.0 0.0 43.8



#86

Hexachloroethane

Concen: 20.830 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057667.D

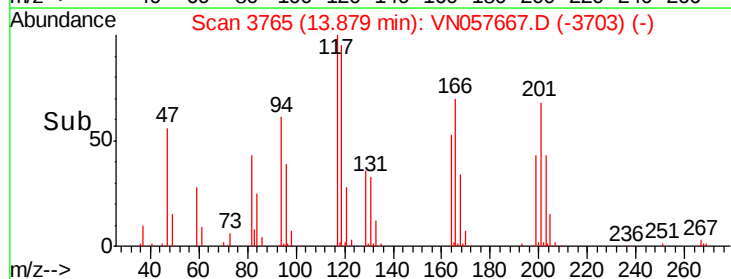
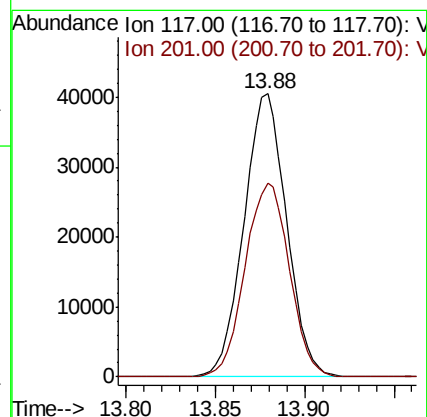
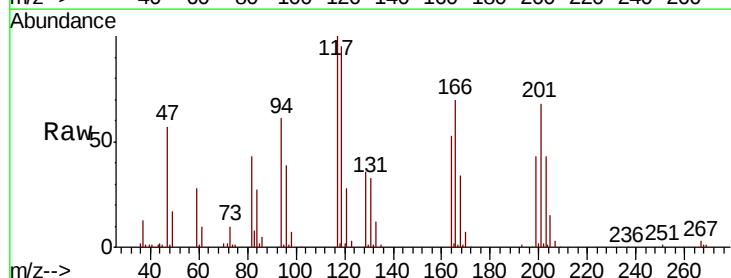
Acq: 3 Sep 2019 17:05

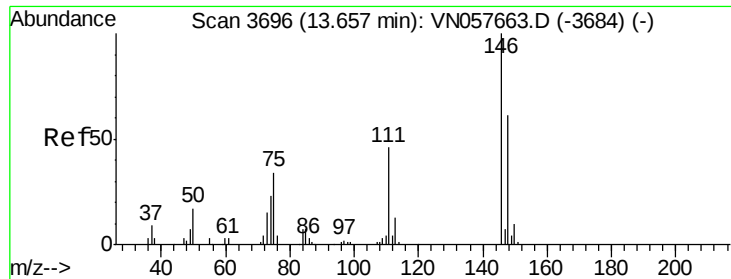
Tgt Ion: 117 Resp: 67621

Ion Ratio Lower Upper

117 100

201 71.0 34.1 102.2

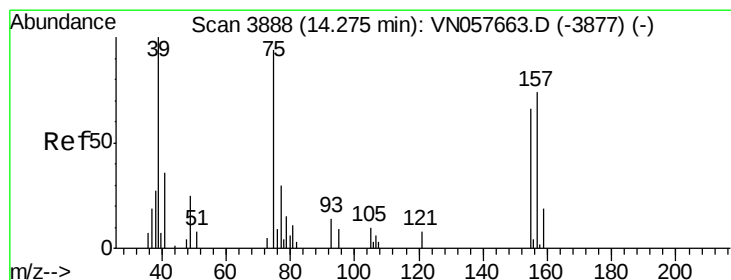
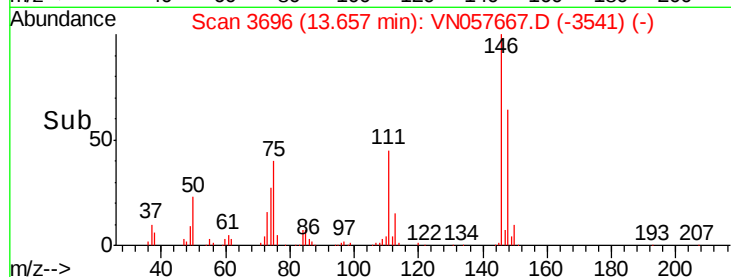
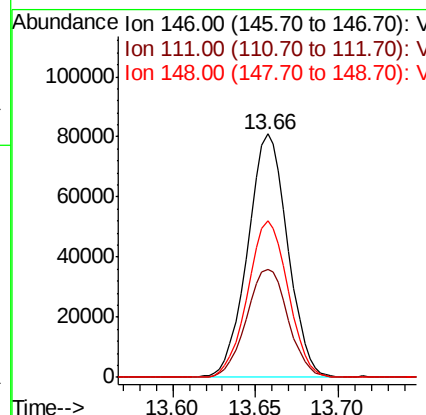
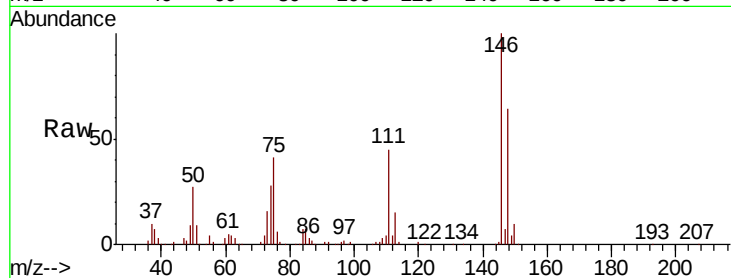




#87
 1,2-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

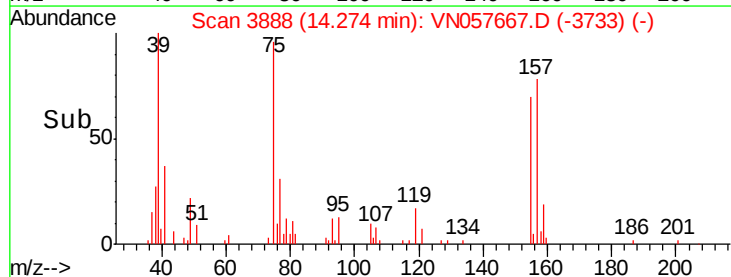
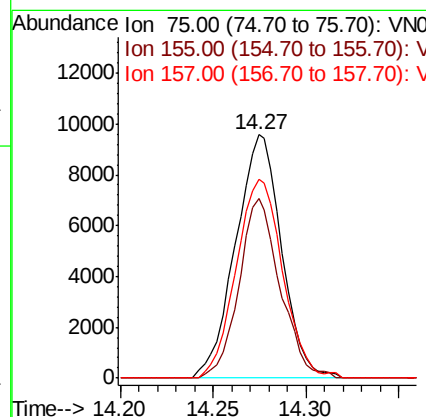
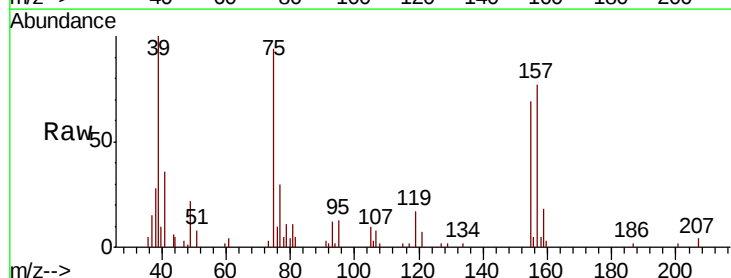
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

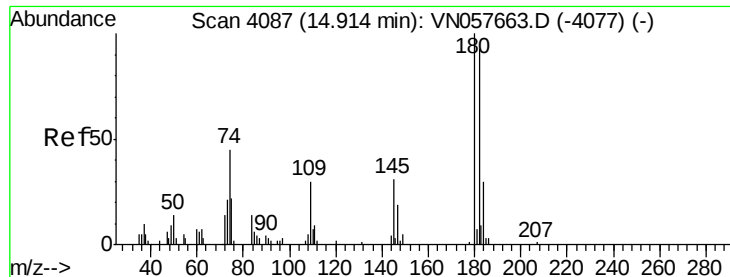
Tgt Ion:146 Resp: 135402
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.6 67.7
 148 65.0 31.3 93.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.540 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion: 75 Resp: 16440
 Ion Ratio Lower Upper
 75 100
 155 65.6 54.6 82.0
 157 82.3 65.5 98.3

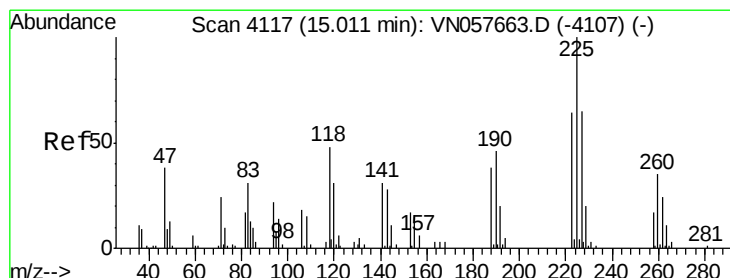
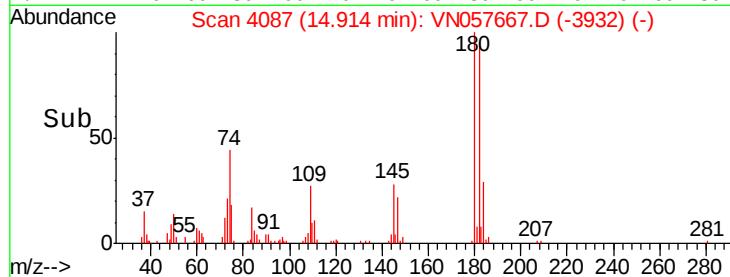
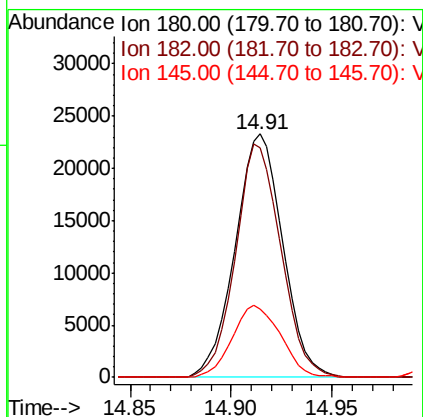
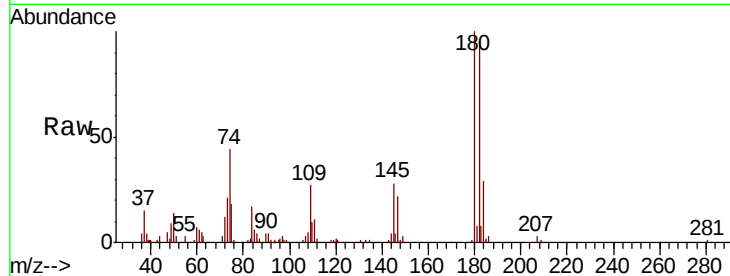




#89
 1,2,4-Trichlorobenzene
 Concen: 16.470 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

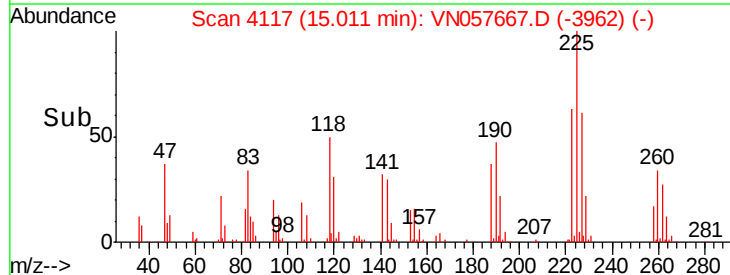
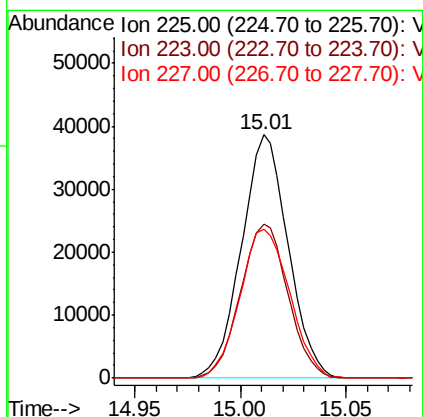
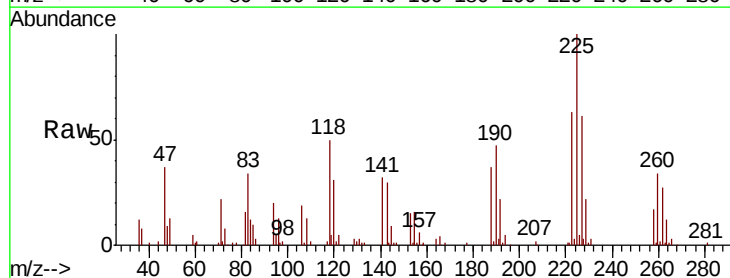
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090319

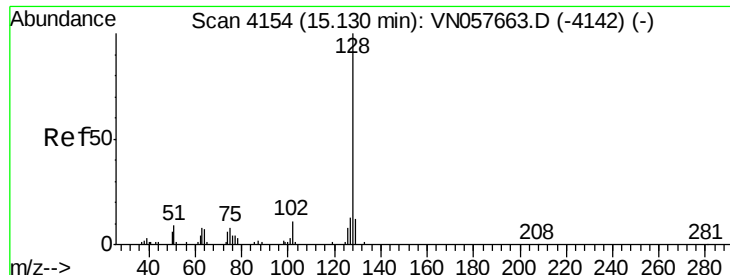
Tgt Ion:180 Resp: 38412
 Ion Ratio Lower Upper
 180 100
 182 91.6 77.4 116.2
 145 30.1 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 22.973 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057667.D
 Acq: 3 Sep 2019 17:05

Tgt Ion:225 Resp: 59426
 Ion Ratio Lower Upper
 225 100
 223 64.3 0.0 131.0
 227 65.0 0.0 128.6

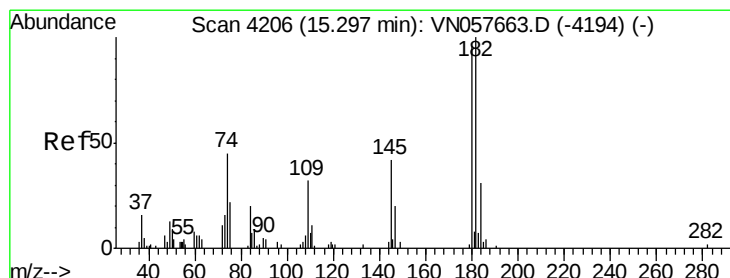
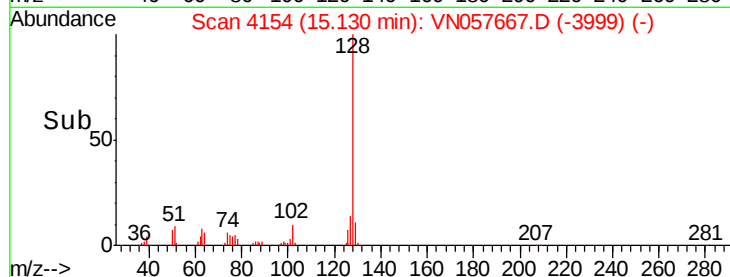
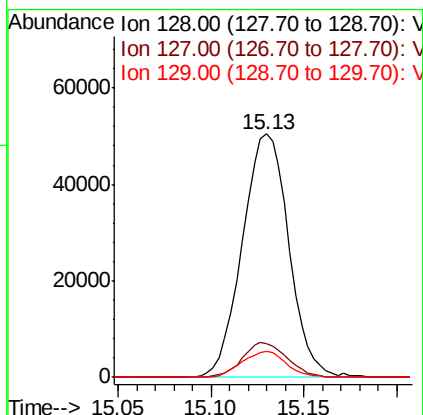
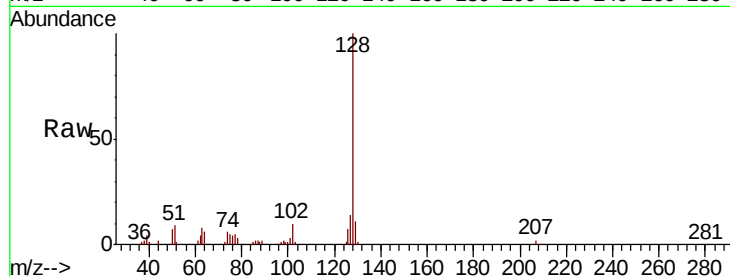




#91
Naphthalene
Concen: 14.541 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090319

Tgt Ion:128 Resp: 88080
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 10.2 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 15.312 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057667.D
Acq: 3 Sep 2019 17:05

Tgt Ion:180 Resp: 34700
Ion Ratio Lower Upper
180 100
182 96.8 0.0 199.4
145 35.5 0.0 73.2

