

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057662.D
 Acq On : 3 Sep 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 04 01:44:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	64036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	385734	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321452	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	202291	38.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	127.60%
60) 4-Bromofluorobenzene	12.40	95	137907	27.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.50%
63) Toluene-d8	10.08	98	481683	32.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.77%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	21657	6.073 ug/l	97
3) Chloromethane	2.05	50	24915	7.443 ug/l	91
4) Vinyl Chloride	2.18	62	19732	4.417 ug/l	98
5) Bromomethane	2.54	94	13768	3.533 ug/l	99
6) Chloroethane	2.69	64	15030	4.936 ug/l	98
7) Trichlorofluoromethane	3.01	101	39308	4.137 ug/l	89
8) Diethyl Ether	3.40	74	12556	4.070 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	20832	3.754 ug/l	90
10) 1,1-Dichloroethene	3.73	96	18232	3.545 ug/l	95
11) Methyl Iodide	3.95	142	22716	2.631 ug/l	98
12) Methyl Acetate	4.31	43	28363	8.108 ug/l	96
13) Acrolein	3.60	56	7979	21.389 ug/l	96
14) Acrylonitrile	4.98	53	48188	36.243 ug/l #	83
15) Acetone	3.80	58	14788	24.538 ug/l	95
16) Carbon Disulfide	4.05	76	43845	6.868 ug/l	100
17) Allyl chloride	4.31	41	37936	8.252 ug/l	98
18) Methylene Chloride	4.53	84	10382	3.016 ug/l	92
19) trans-1,2-Dichloroethene	5.02	96	19331	5.820 ug/l	96
20) Diisopropyl ether	5.94	45	82042	7.496 ug/l #	95
21) 1,1-Dichloroethane	5.83	63	44345	6.772 ug/l	97
22) cis-1,2-Dichloroethene	6.82	96	23544	5.368 ug/l	99
23) tert-Butyl Alcohol	4.75	59	7306	15.119 ug/l #	100
25) Chloroform	7.36	83	44079	5.734 ug/l	91
26) Cyclohexane	7.64	56	38046	6.962 ug/l #	100
29) 1,1-Dichloropropene	7.78	75	31268	5.832 ug/l	98
30) 2-Butanone	6.82	43	70630	37.423 ug/l #	98
31) 2,2-Dichloropropane	6.80	77	19168	2.985 ug/l #	57
32) 1,1,1-Trichloroethane	7.56	97	36271	5.156 ug/l	97
33) Carbon Tetrachloride	7.76	117	29276	4.947 ug/l	98
34) Benzene	8.03	78	90380	5.682 ug/l #	63
35) Methacrylonitrile	7.18	41	1870	1.036 ug/l #	37
36) 1,2-Dichloroethane	8.11	62	40368	6.662 ug/l #	100
37) Trichloroethene	8.83	130	21122	4.769 ug/l	98
38) Methylcyclohexane	9.08	83	36137	5.685 ug/l	97
39) 1,2-Dichloropropane	9.11	63	24723	6.176 ug/l	92
40) Dibromomethane	9.20	93	15824	5.372 ug/l	97
41) Bromodichloromethane	9.39	83	31352	5.148 ug/l #	92

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Instrument :
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 ClientSampleID :
 VSTDIC005

Quant Time: Sep 04 01:44:48 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.88	43	322025	38.028	ug/l	100
43) Ethyl Acetate	6.91	43	28209	7.696	ug/l #	84
44) Isopropyl Acetate	8.16	43	53299	7.296	ug/l #	90
45) 1,4-Dioxane	9.19	88	6983	118.832	ug/l #	82
46) Methyl methacrylate	9.19	41	25268	7.460	ug/l	94
47) n-amyl Acetate	12.07	43	36499	6.273	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	30933	5.027	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	35299	5.318	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	21377	5.081	ug/l	98
51) Ethyl methacrylate	10.43	69	31328	5.506	ug/l	99
52) 1,3-Dichloropropane	10.70	76	37803	5.645	ug/l	98
53) Dibromochloromethane	10.90	129	18551	3.994	ug/l	97
54) 1,2-Dibromoethane	11.00	107	19687	4.555	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	44843	30.511	ug/l	99
56) Bromoform	12.13	173	10361	3.446	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	149472	40.569	ug/l	98
59) 2-Hexanone	10.75	43	102397	40.221	ug/l	100
61) Tetrachloroethene	10.63	164	20786	5.159	ug/l	95
62) Toluene	10.15	91	98266	6.001	ug/l	98
64) Chlorobenzene	11.43	112	54818	5.290	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	18770	4.602	ug/l	96
66) Ethyl Benzene	11.51	91	103655	5.856	ug/l	95
67) m/p-Xylenes	11.62	106	68586	9.902	ug/l	99
68) o-Xylene	11.95	106	34889	5.006	ug/l	98
69) Styrene	11.96	104	46878	4.268	ug/l	98
70) Isopropylbenzene	12.25	105	95208	5.436	ug/l #	51
71) 1,1,2,2-Tetrachloroethane	12.51	83	23809	5.027	ug/l	94
72) 1,2,3-Trichloropropane	12.56	75	31650	7.782	ug/l	1
73) Bromobenzene	12.53	156	18542	4.233	ug/l	98
74) n-propylbenzene	12.59	91	104579	5.763	ug/l	100
75) 2-Chlorotoluene	12.68	91	62174	5.262	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	78175	5.319	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	4880	3.783	ug/l	89
78) 4-Chlorotoluene	12.77	91	55450	4.955	ug/l	99
79) tert-butylbenzene	12.99	119	68321	5.116	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	69989	5.084	ug/l	97
81) sec-Butylbenzene	13.17	105	83562	5.144	ug/l	99
82) p-Isopropyltoluene	13.29	119	71418	5.003	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	22906	3.272	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	20702	3.095	ug/l	94
85) n-Butylbenzene	13.62	91	56358	4.869	ug/l	98
86) Hexachloroethane	13.88	117	11036	3.985	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	20712	3.116	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2475	3.648	ug/l #	79
89) 1,2,4-Trichlorobenzene	14.91	180	4308	1.774	ug/l	96
90) Hexachlorobutadiene	15.01	225	9860	4.464	ug/l	95
91) Naphthalene	15.13	128	10249	1.548	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.30	180	4380	1.827	ug/l	88

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 04 01:44:48 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 01:42:15 2019
Response via : Initial Calibration

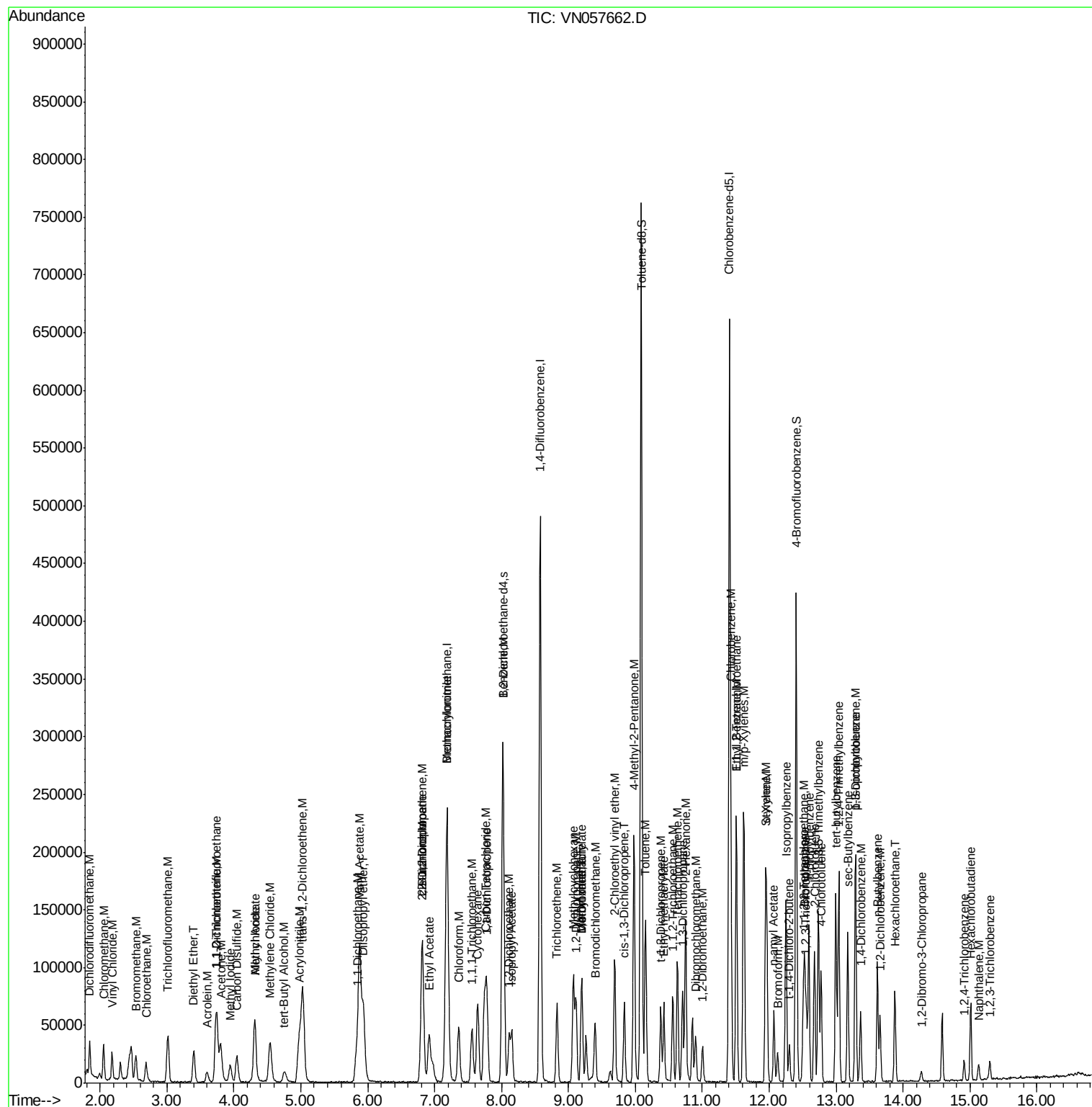
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

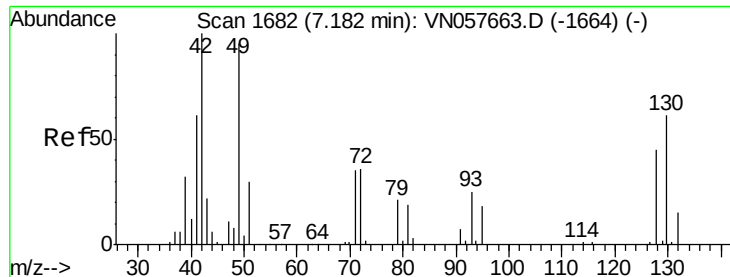
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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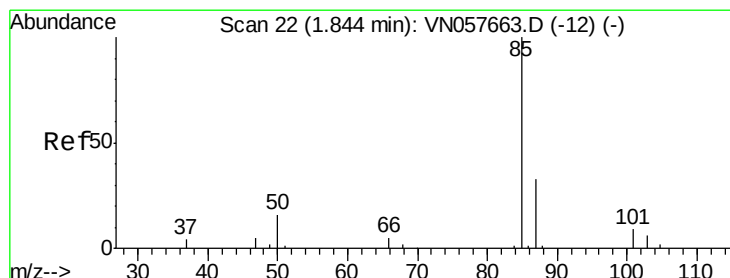
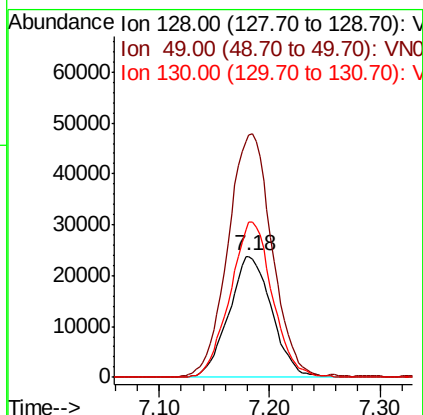
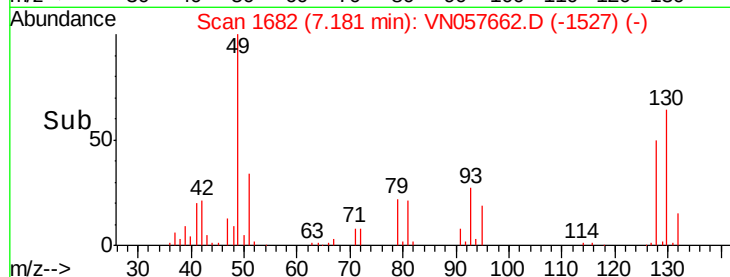
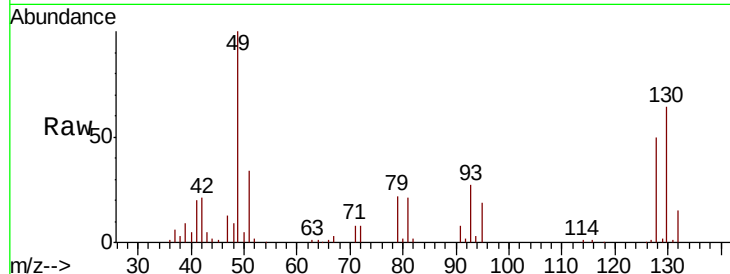




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

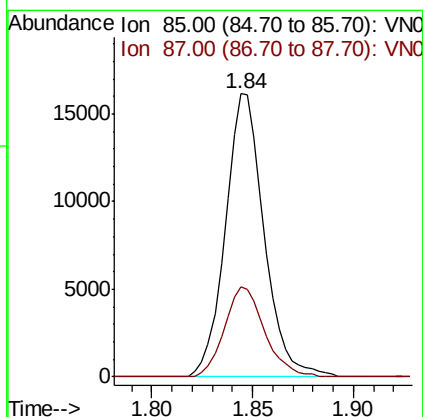
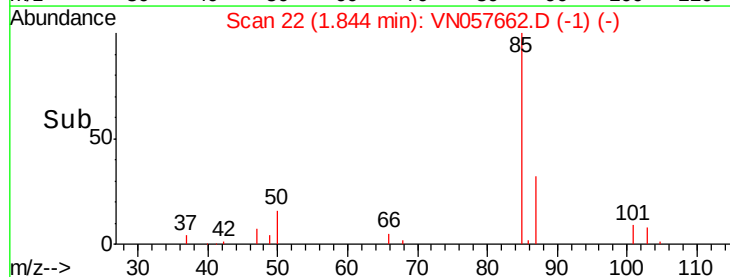
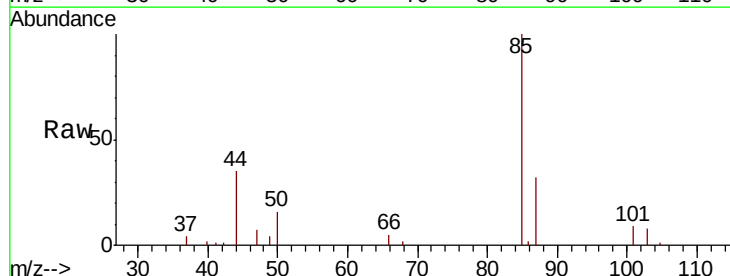
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

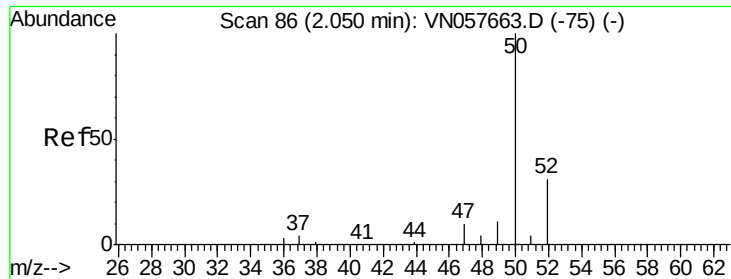
Tgt Ion:128 Resp: 64036
Ion Ratio Lower Upper
128 100
49 207.1 0.0 544.5
130 126.6 0.0 324.7



#2
Dichlorodifluoromethane
Concen: 6.073 ug/l
RT: 1.84 min Scan# 22
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 85 Resp: 21657
Ion Ratio Lower Upper
85 100
87 31.7 16.6 49.7





#3

Chloromethane

Concen: 7.443 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

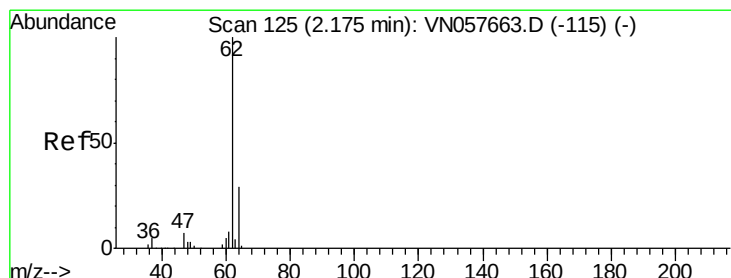
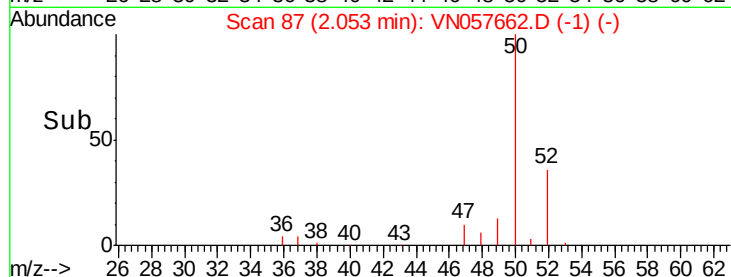
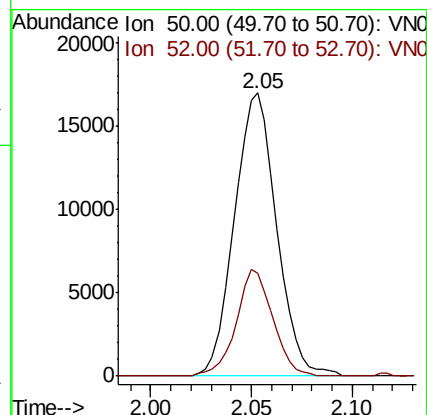
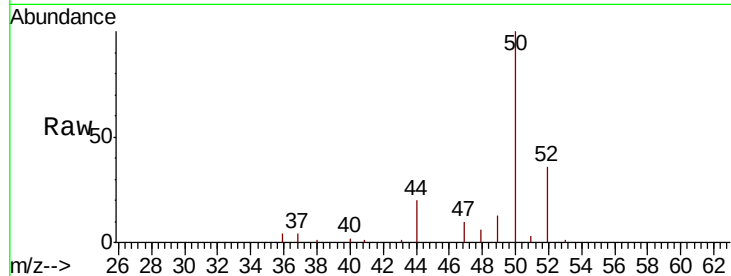
VSTDIC005

Tgt Ion: 50 Resp: 24915

Ion Ratio Lower Upper

50 100

52 36.3 25.2 37.8



#4

Vinyl Chloride

Concen: 4.417 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057662.D

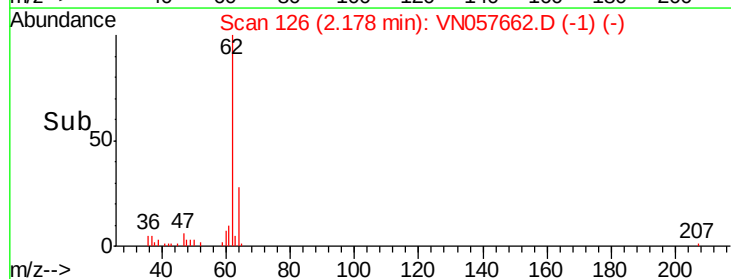
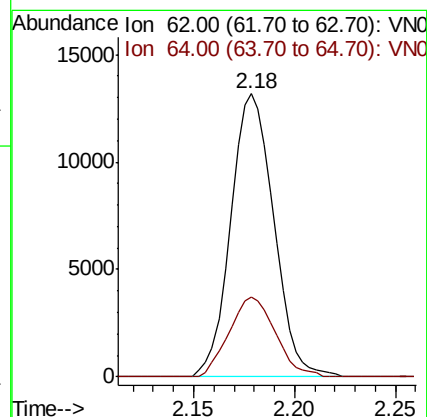
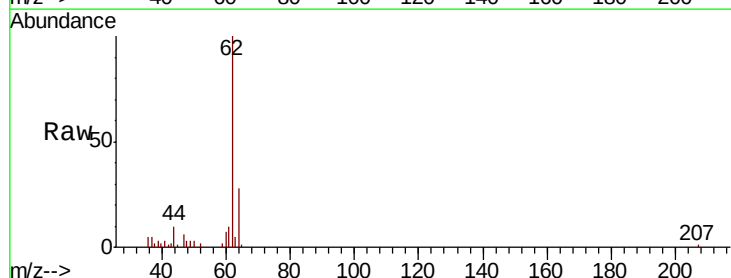
Acq: 3 Sep 2019 14:44

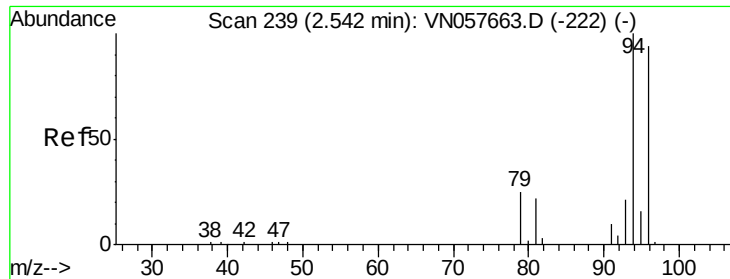
Tgt Ion: 62 Resp: 19732

Ion Ratio Lower Upper

62 100

64 28.0 23.2 34.8

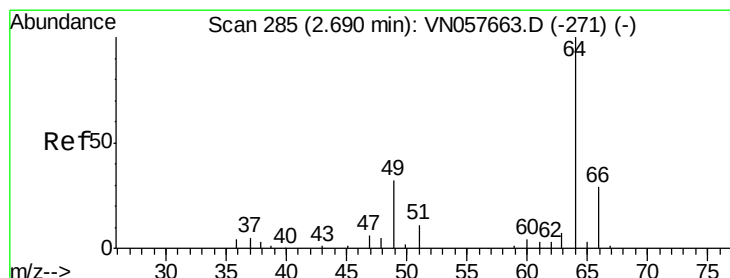
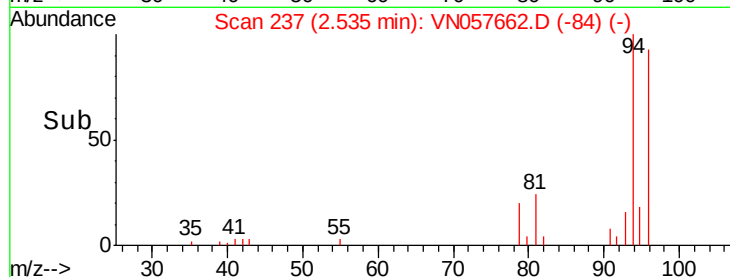
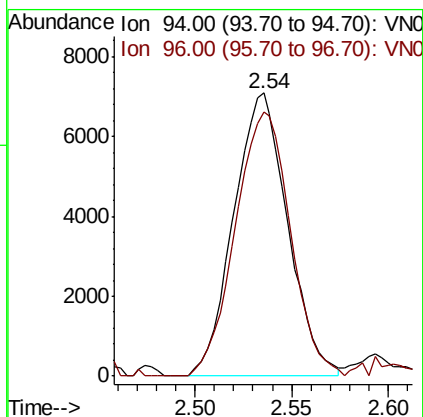
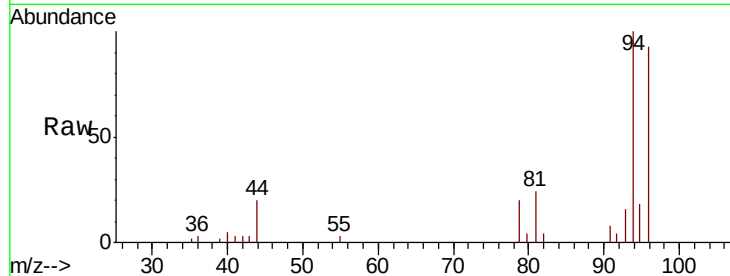




#5
Bromomethane
Concen: 3.533 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

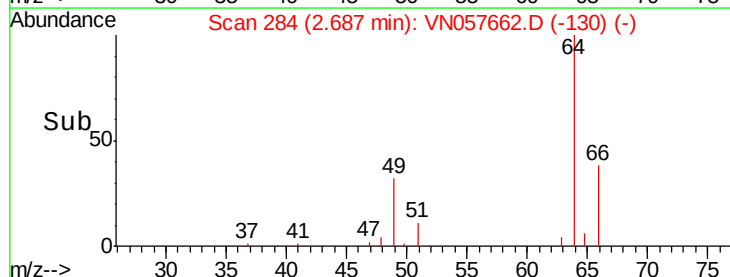
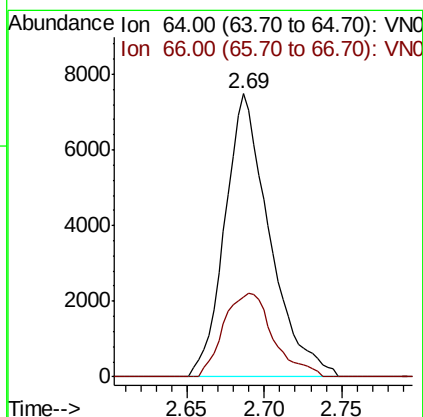
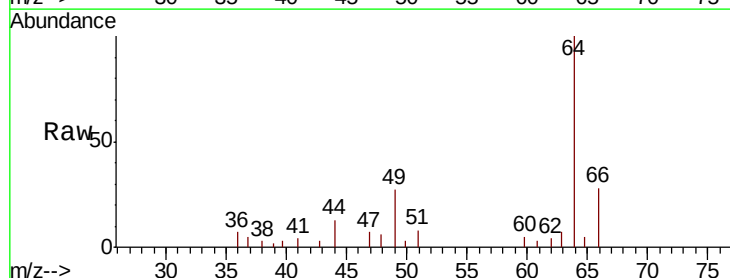
Instrument :
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ClientSampleId :
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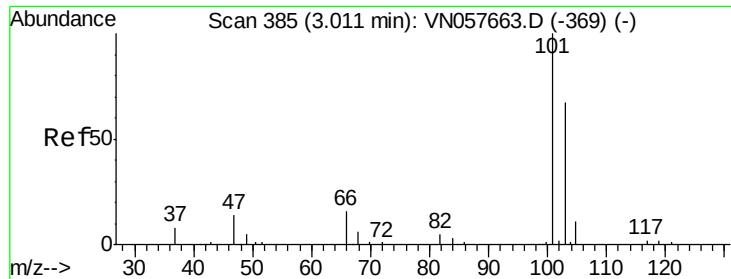
Tgt Ion: 94 Resp: 13768
Ion Ratio Lower Upper
94 100
96 93.2 75.6 113.4



#6
Chloroethane
Concen: 4.936 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 64 Resp: 15030
Ion Ratio Lower Upper
64 100
66 28.4 23.5 35.3



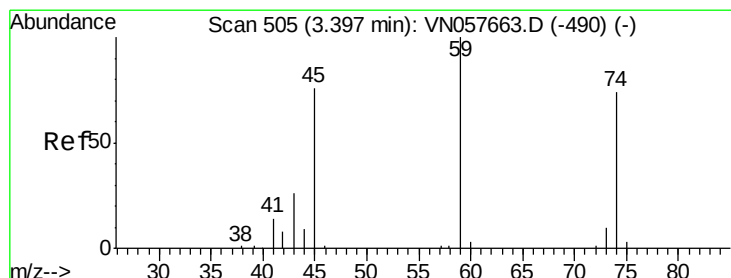
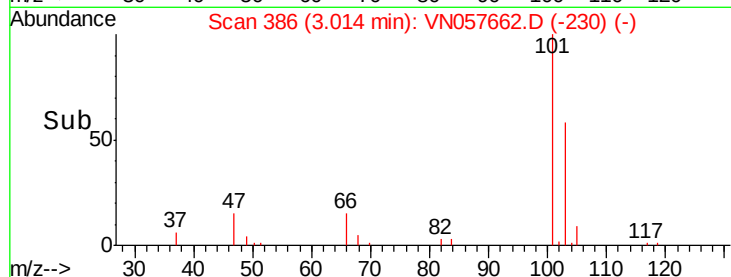
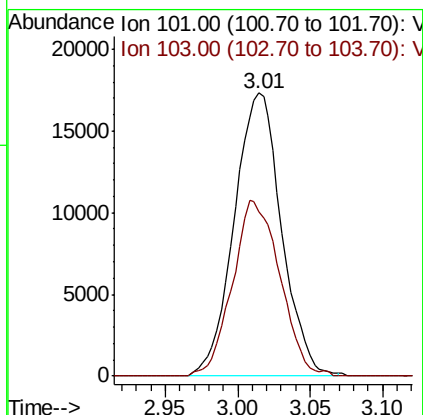
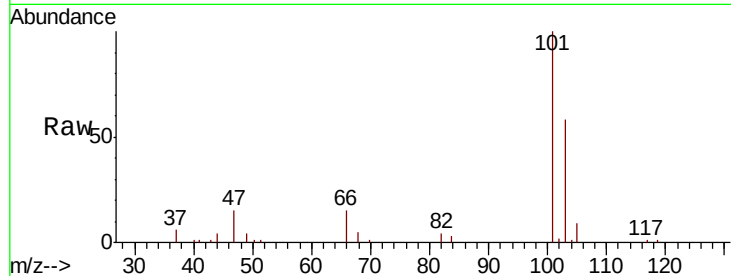


#7

Trichlorofluoromethane
 Concen: 4.137 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
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 ClientSampleId :
 VSTDIC005

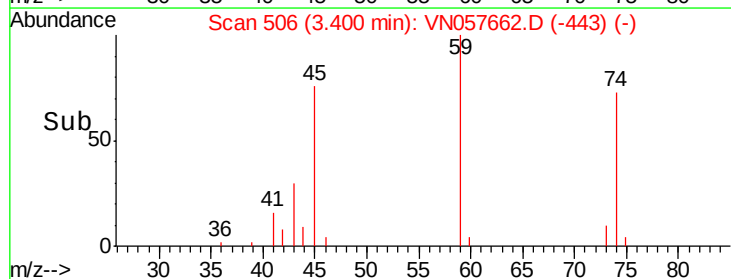
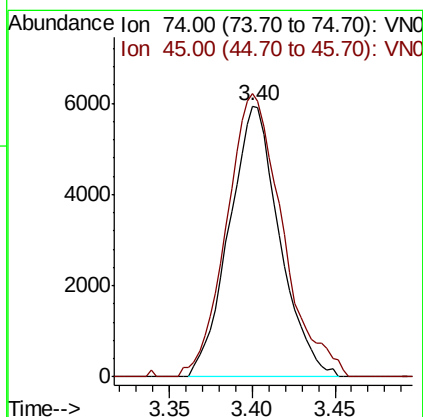
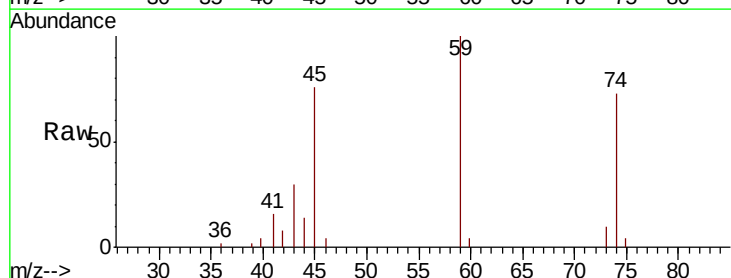
Tgt Ion: 101 Resp: 39308
 Ion Ratio Lower Upper
 101 100
 103 57.9 53.6 80.4

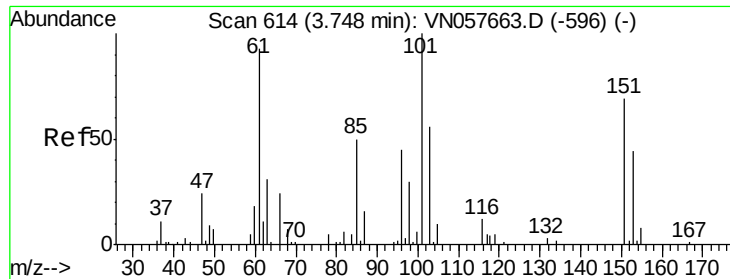


#8

Diethyl Ether
 Concen: 4.070 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 74 Resp: 12556
 Ion Ratio Lower Upper
 74 100
 45 116.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.754 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

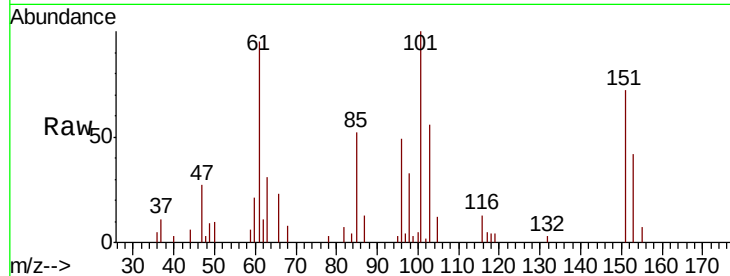
Tgt Ion: 101 Resp: 20832

Ion Ratio Lower Upper

101 100

85 37.4 0.0 100.2

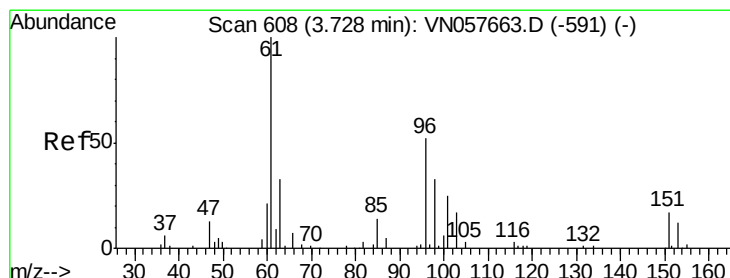
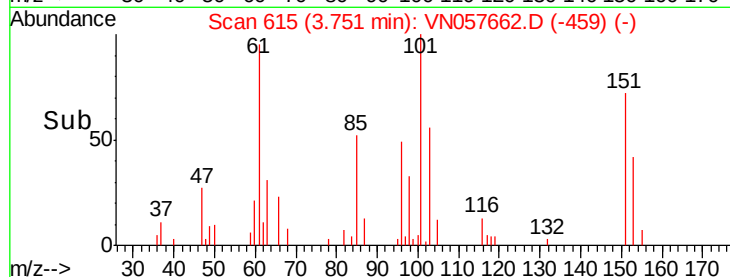
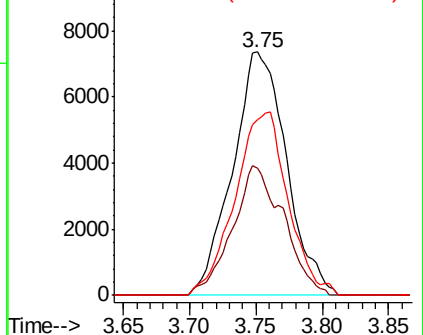
151 73.3 0.0 140.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 3.545 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

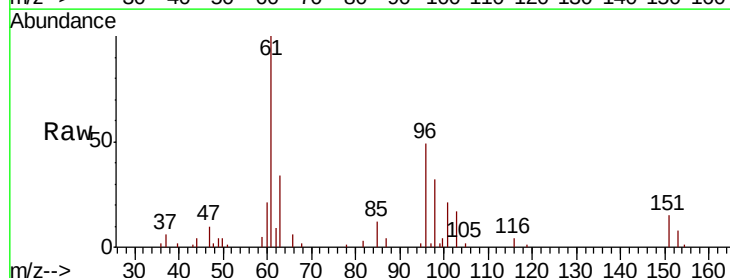
Tgt Ion: 96 Resp: 18232

Ion Ratio Lower Upper

96 100

61 200.5 152.9 229.3

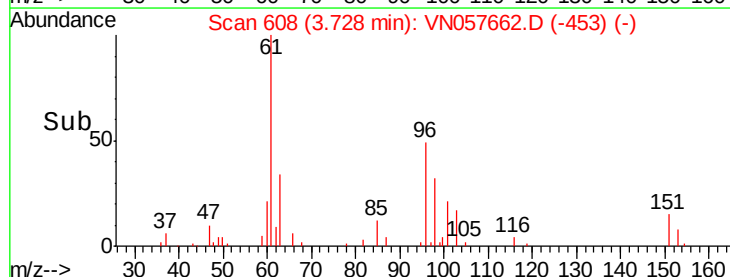
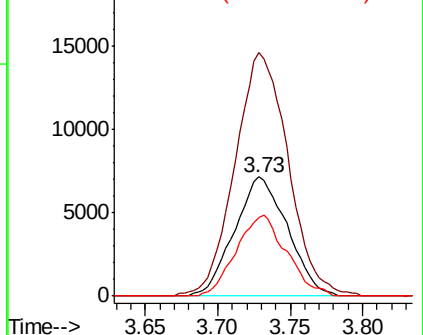
98 65.7 51.0 76.4

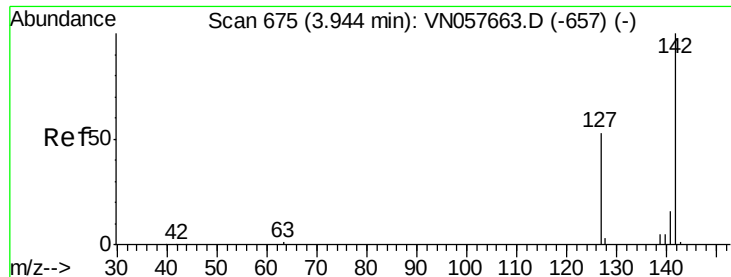


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

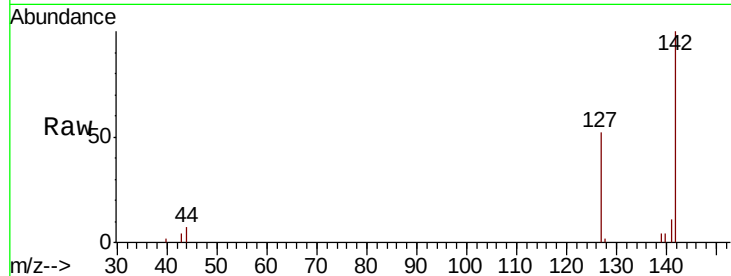




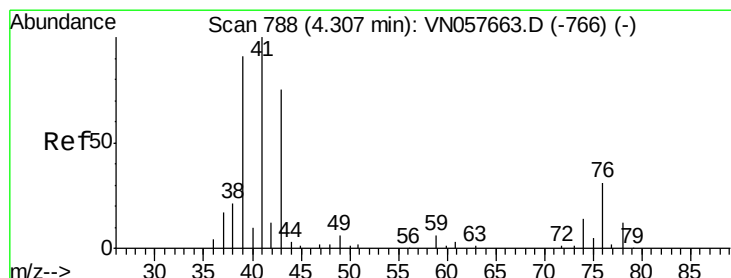
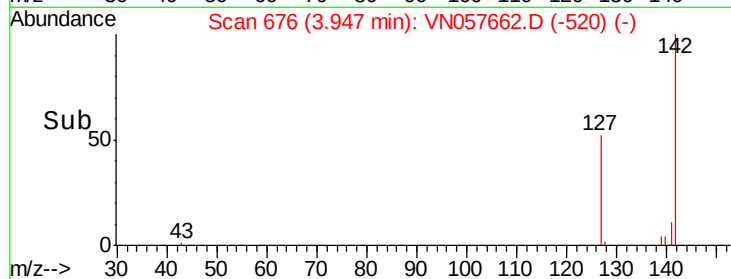
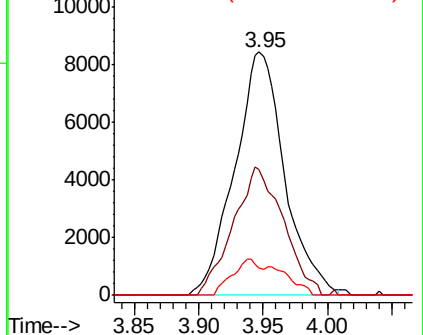
#11
Methyl Iodide
Concen: 2.631 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:142 Resp: 22716
Ion Ratio Lower Upper
142 100
127 52.2 26.2 78.5
141 11.3 7.6 22.9

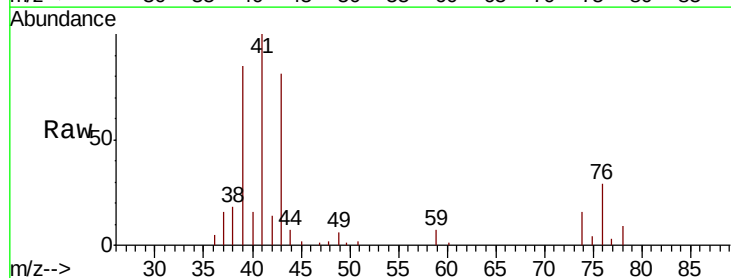


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

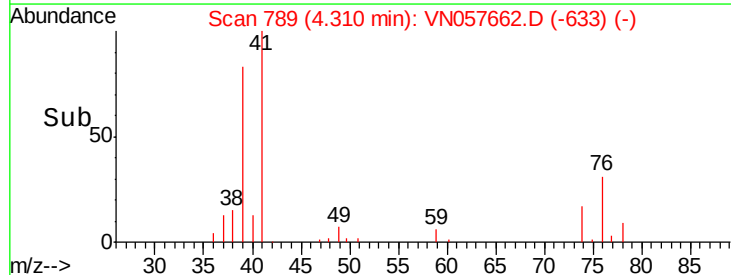
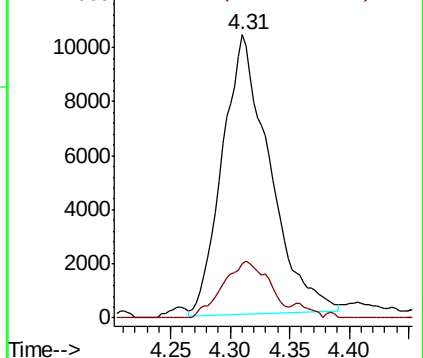


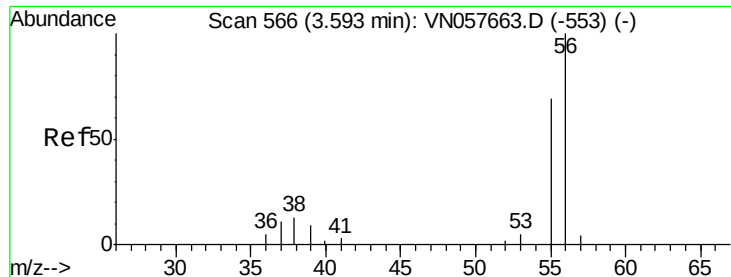
#12
Methyl Acetate
Concen: 8.108 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 43 Resp: 28363
Ion Ratio Lower Upper
43 100
74 20.0 14.6 22.0



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





#13

Acrolein

Concen: 21.389 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

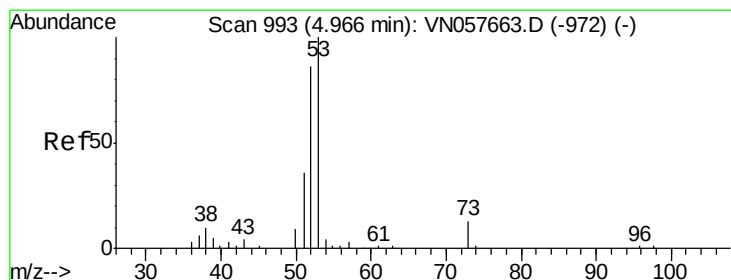
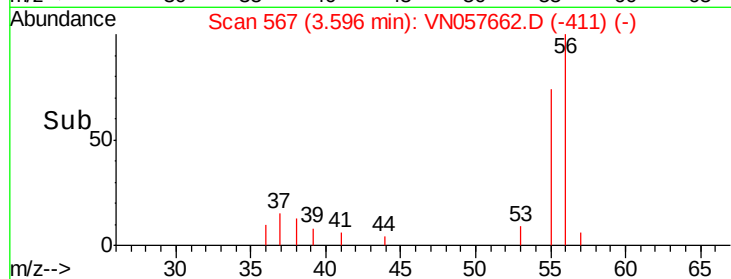
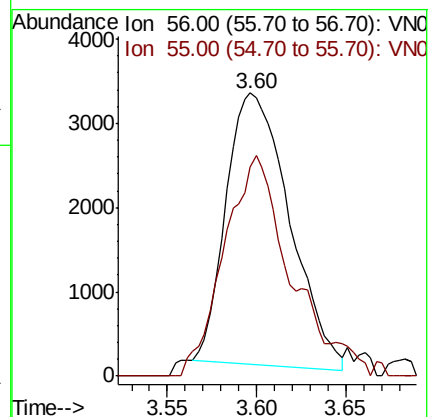
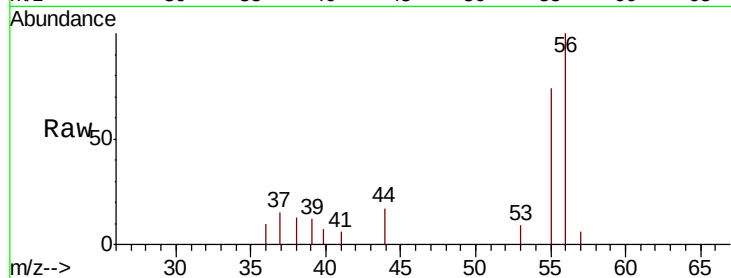
VSTDIC005

Tgt Ion: 56 Resp: 7979

Ion Ratio Lower Upper

56 100

55 71.2 54.2 81.4



#14

Acrylonitrile

Concen: 36.243 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

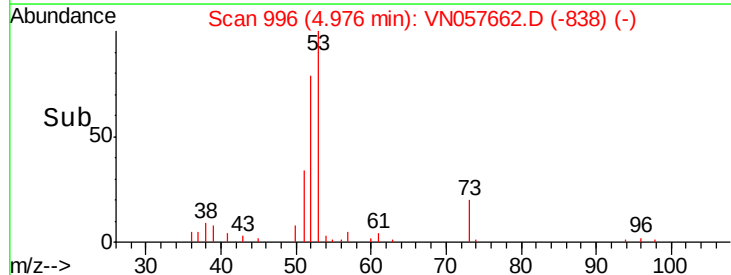
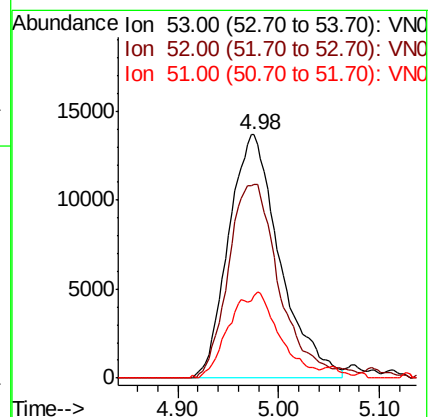
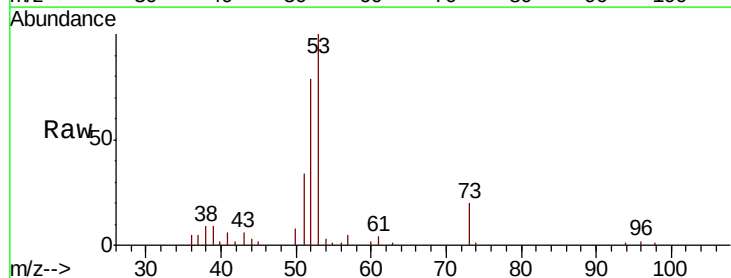
Tgt Ion: 53 Resp: 48188

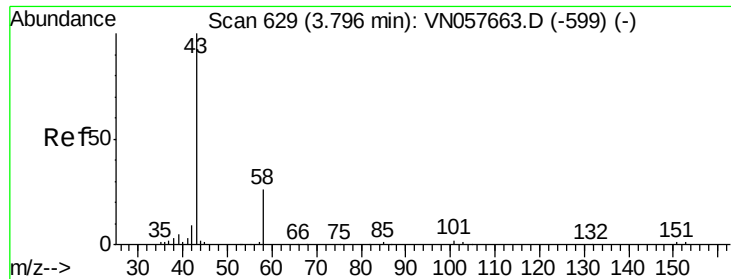
Ion Ratio Lower Upper

53 100

52 78.4 41.9 125.7

51 14.5 19.4 58.2#





#15

Acetone

Concen: 24.538 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

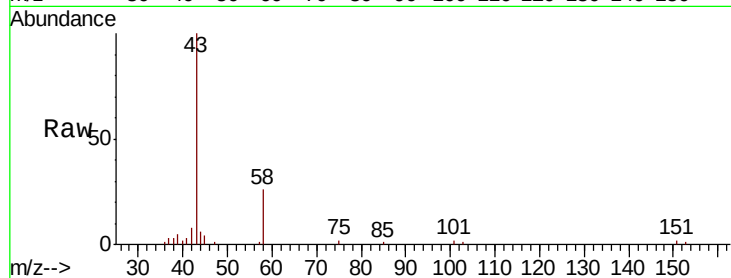
VSTDIC005

Tgt Ion: 58 Resp: 14788

Ion Ratio Lower Upper

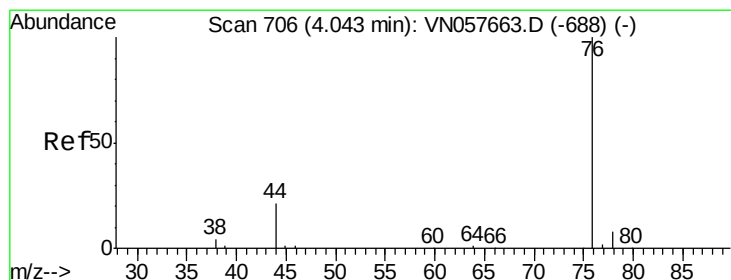
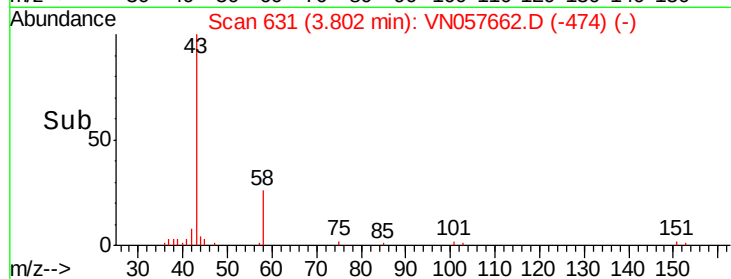
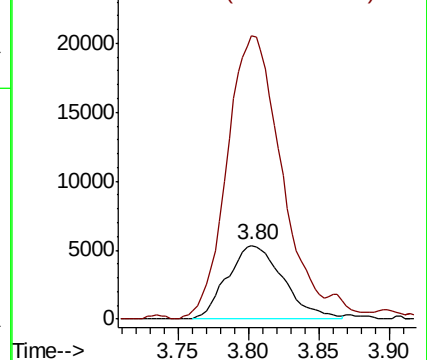
58 100

43 374.7 308.8 463.2



Abundance Ion 58.00 (57.70 to 58.70): VN057663.D (-599) (-)

Ion 43.00 (42.70 to 43.70): VN057663.D (-599) (-)



#16

Carbon Disulfide

Concen: 6.868 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057662.D

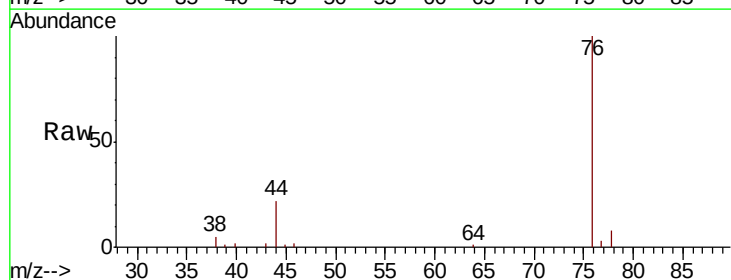
Acq: 3 Sep 2019 14:44

Tgt Ion: 76 Resp: 43845

Ion Ratio Lower Upper

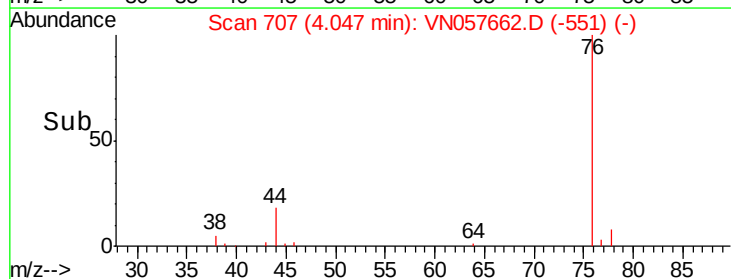
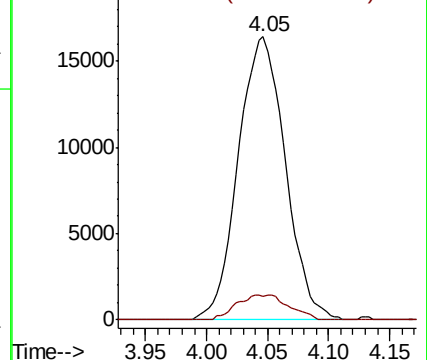
76 100

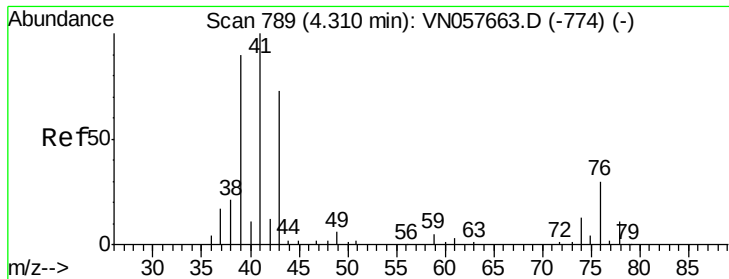
78 8.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN057663.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN057663.D (-688) (-)





#17

Allyl chloride

Concen: 8.252 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

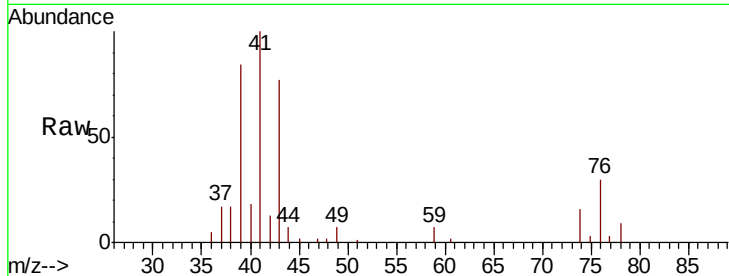
Tgt Ion: 41 Resp: 37936

Ion Ratio Lower Upper

41 100

39 83.8 43.0 128.8

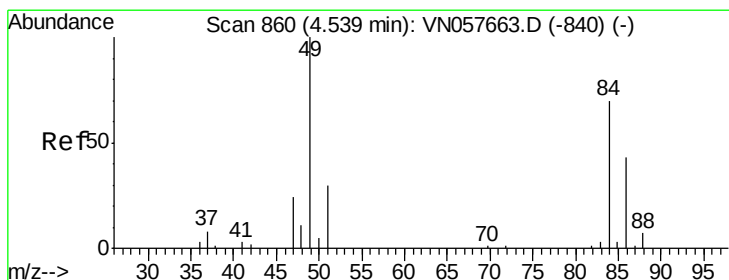
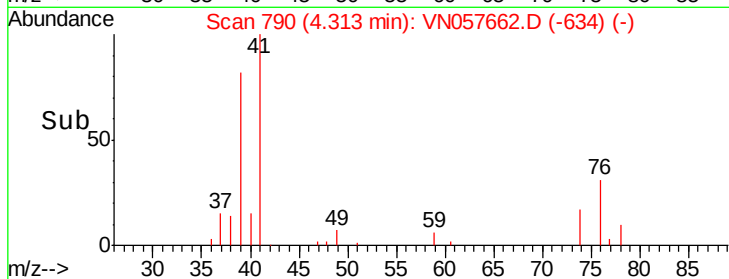
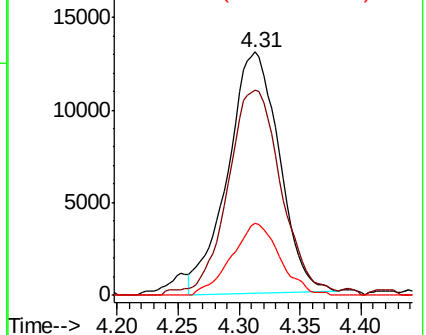
76 30.2 14.2 42.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 3.016 ug/l

RT: 4.53 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion: 84 Resp: 10382

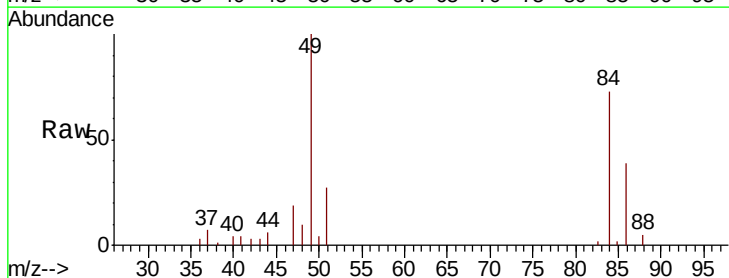
Ion Ratio Lower Upper

84 100

49 133.4 113.7 170.5

51 37.0 34.5 51.7

86 53.4 48.6 73.0

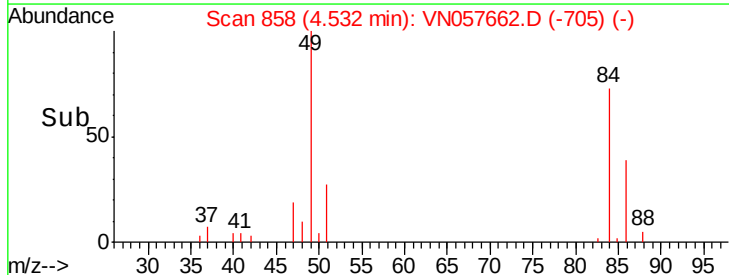
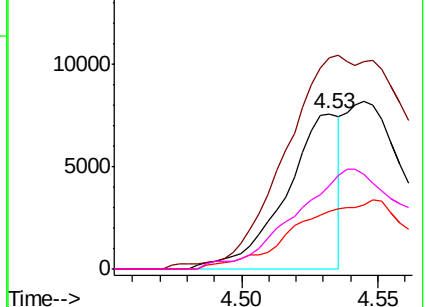


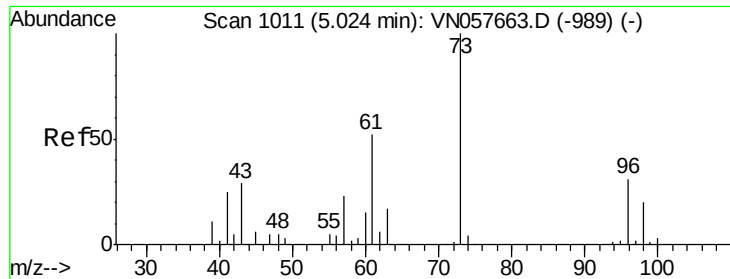
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

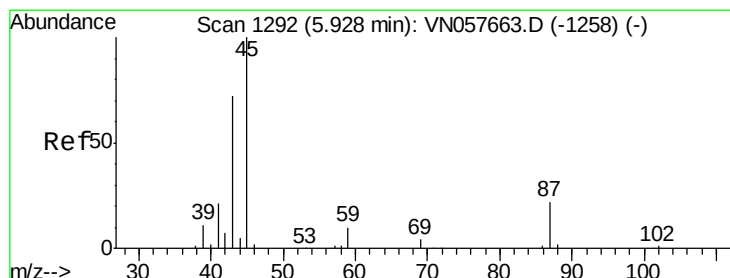
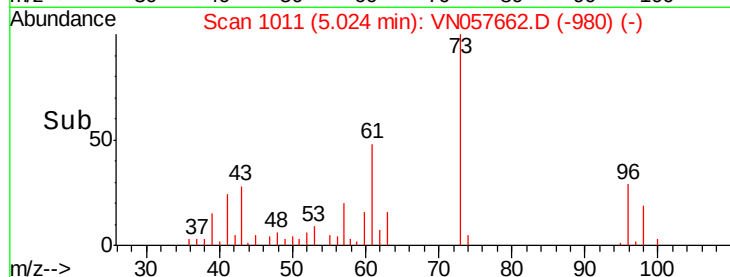
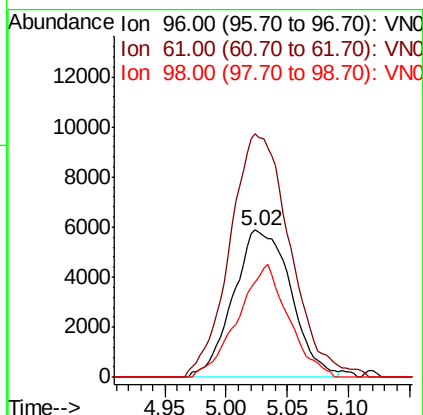
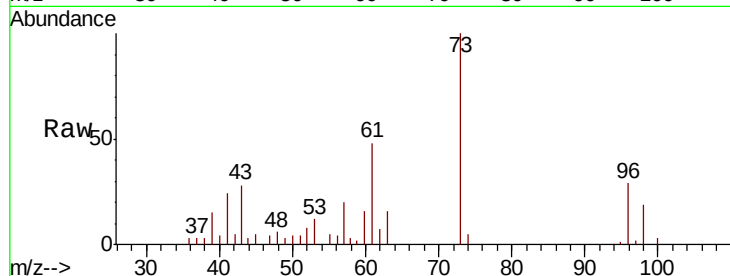




#19
trans-1,2-Dichloroethene
Concen: 5.820 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

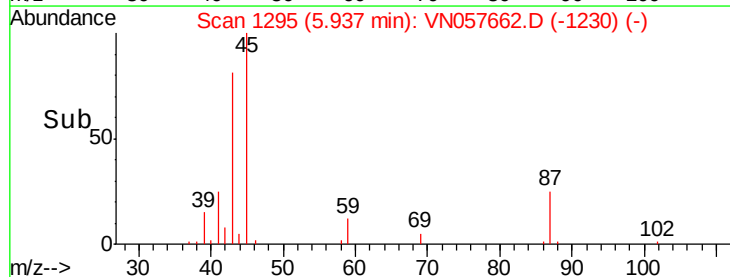
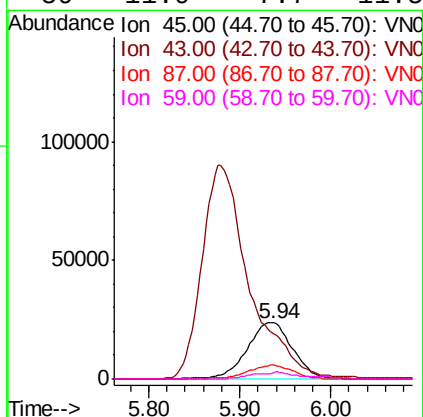
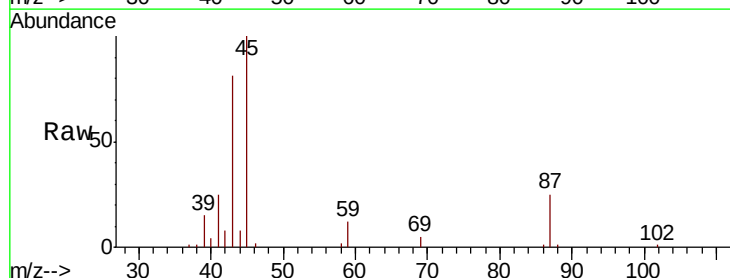
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

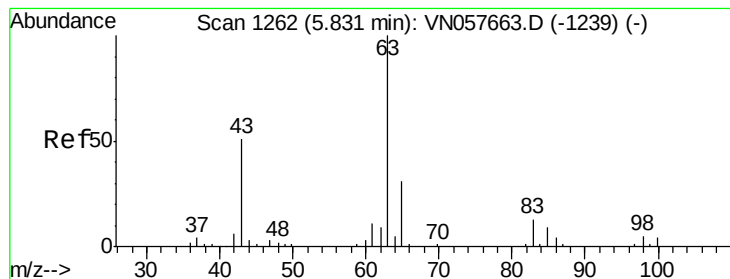
Tgt Ion: 96 Resp: 19331
Ion Ratio Lower Upper
96 100
61 160.8 133.4 200.0
98 64.9 50.4 75.6



#20
Diisopropyl ether
Concen: 7.496 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 45 Resp: 82042
Ion Ratio Lower Upper
45 100
43 77.5 58.3 87.5
87 24.8 18.5 27.7
59 11.9 7.7 11.5#





#21

1,1-Dichloroethane

Concen: 6.772 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

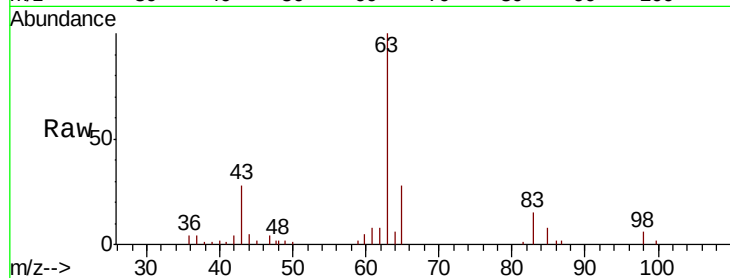
Tgt Ion: 63 Resp: 44345

Ion Ratio Lower Upper

63 100

98 6.0 2.6 7.8

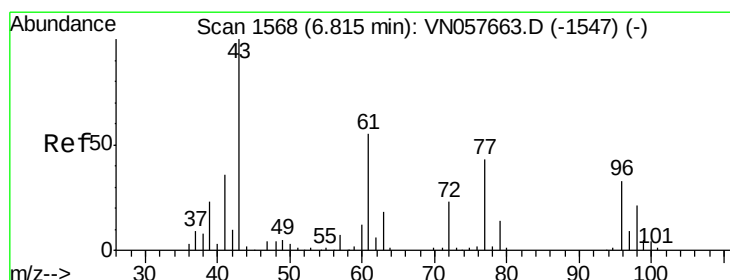
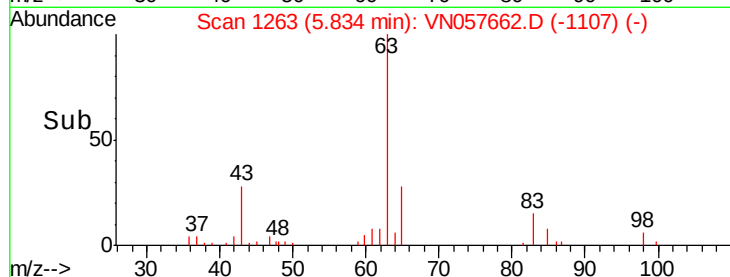
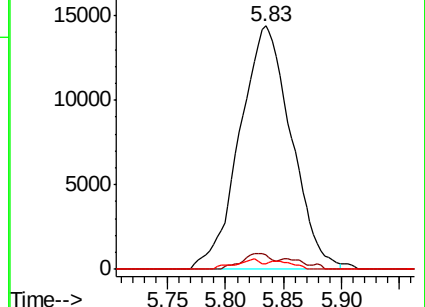
100 2.3 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN057663.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN057663.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.368 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

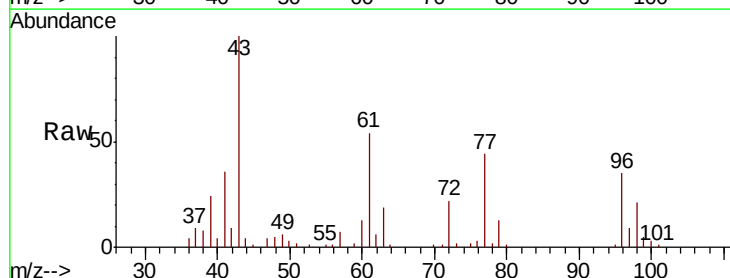
Tgt Ion: 96 Resp: 23544

Ion Ratio Lower Upper

96 100

61 171.9 137.2 205.8

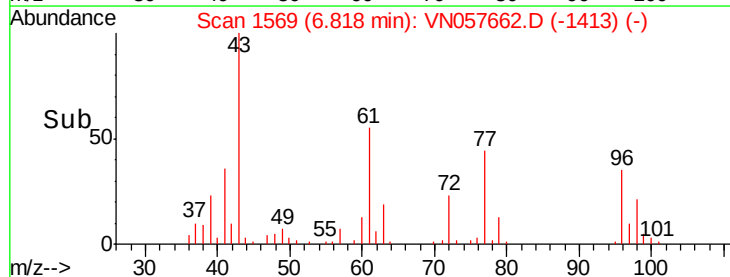
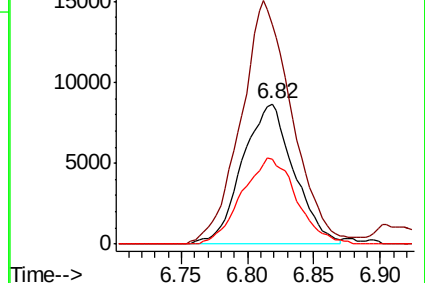
98 65.0 50.5 75.7

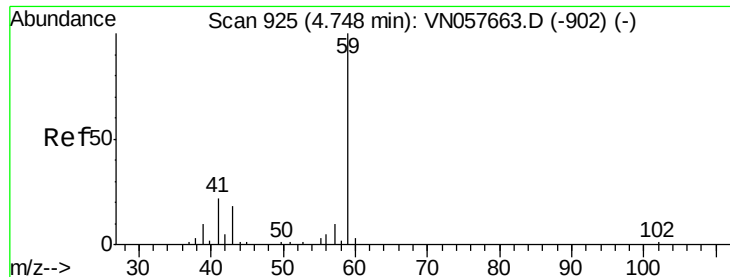


Abundance Ion 96.00 (95.70 to 96.70): VN057663.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057663.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057663.D (-1547) (-)

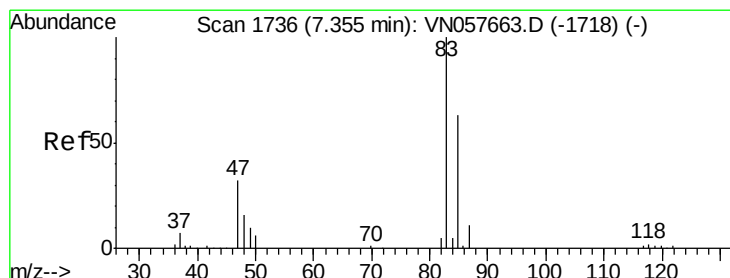
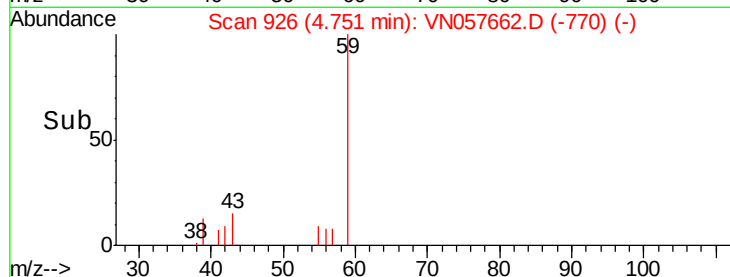
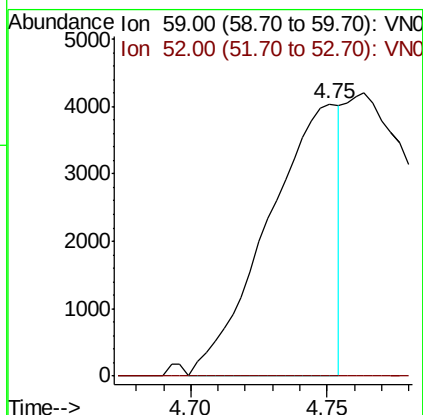
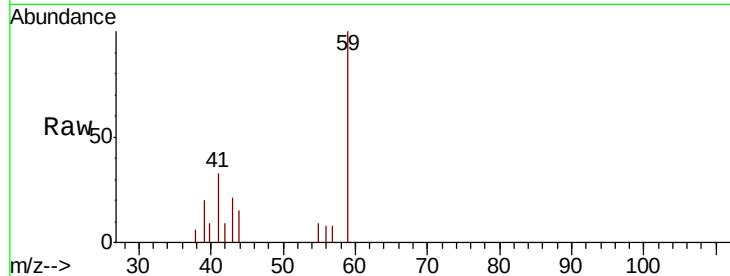




#23
 tert-Butyl Alcohol
 Concen: 15.119 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

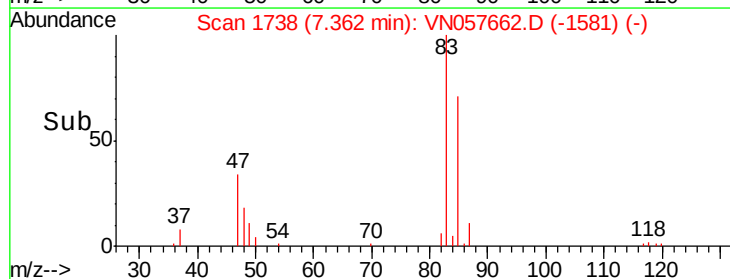
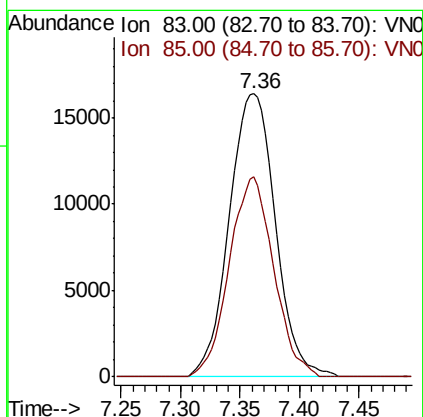
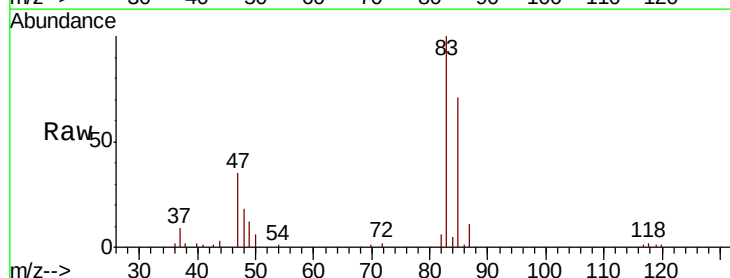
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

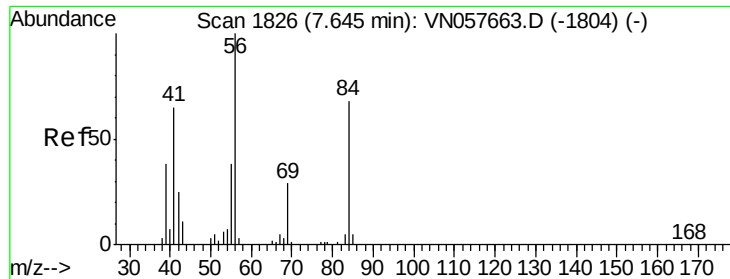
Tgt Ion: 59 Resp: 7306
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#25
 Chloroform
 Concen: 5.734 ug/l
 RT: 7.36 min Scan# 1738
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 83 Resp: 44079
 Ion Ratio Lower Upper
 83 100
 85 70.6 50.8 76.2

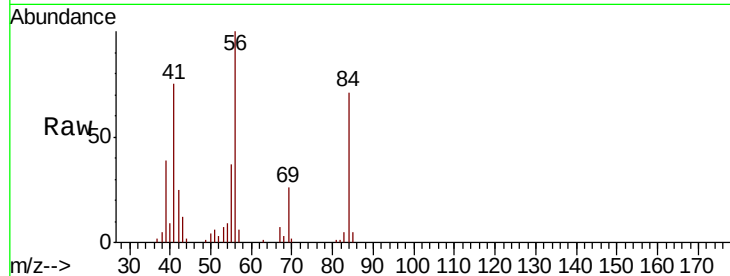




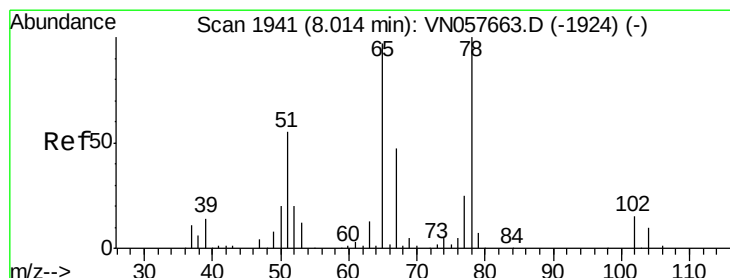
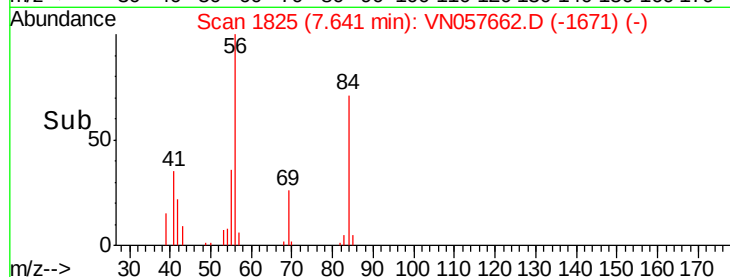
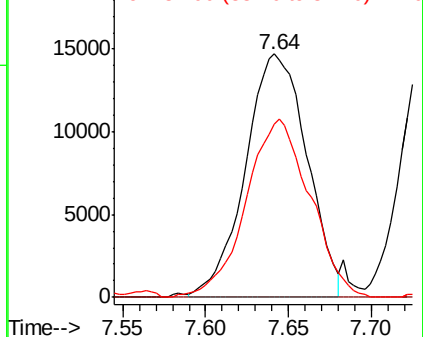
#26
Cyclohexane
Concen: 6.962 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 38046
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.9 60.4 90.6

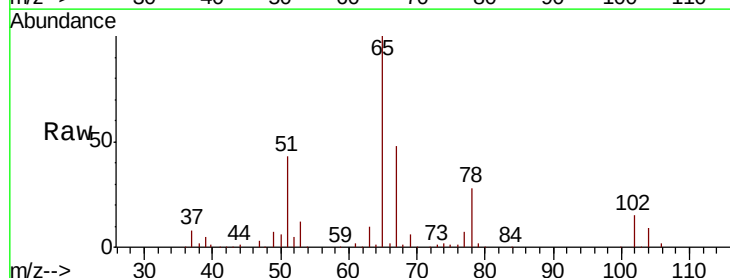


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 89.00 (88.70 to 89.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

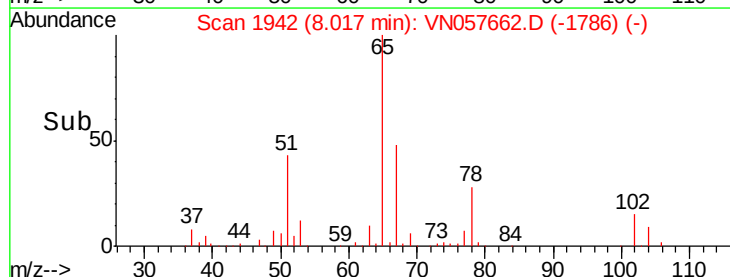
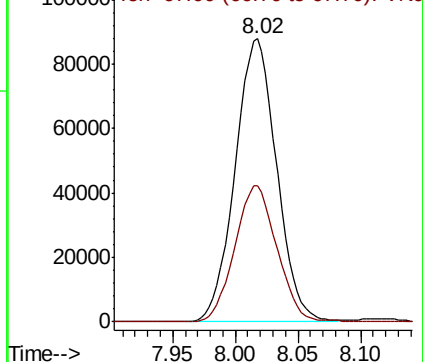


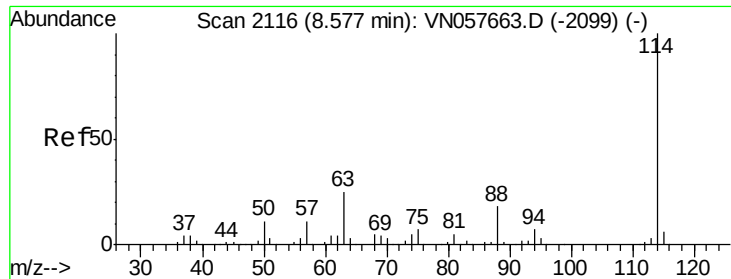
#27
1,2-Dichloroethane-d4
Concen: 38.283 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 65 Resp: 202291
Ion Ratio Lower Upper
65 100
67 48.4 38.6 57.8



Abundance Ion 65.00 (64.70 to 65.70): VN0
Ion 67.00 (66.70 to 67.70): VN0

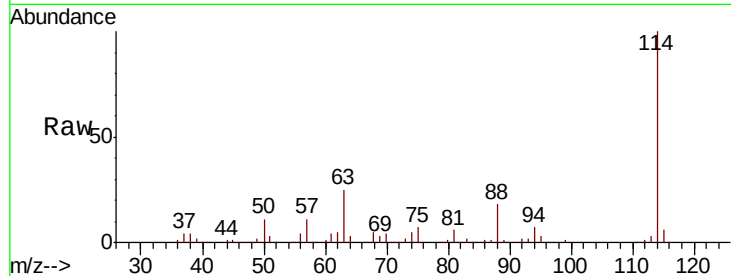




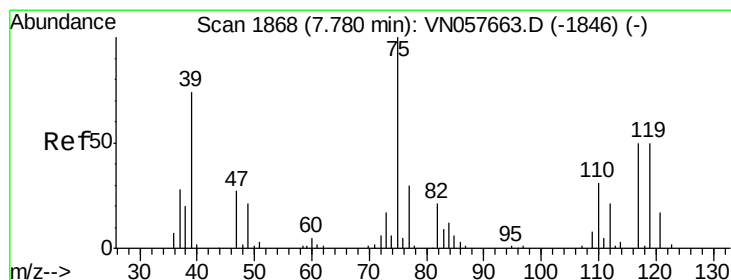
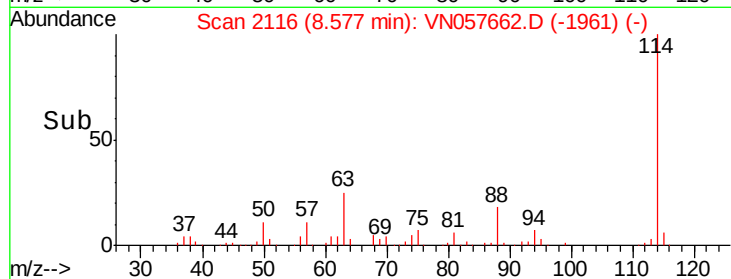
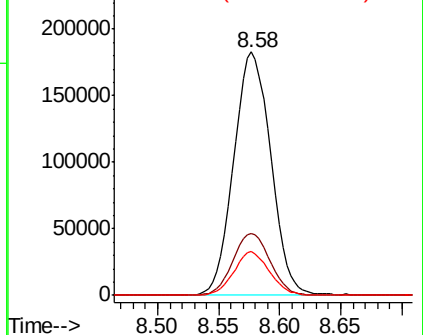
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 114 Resp: 385734
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.6 30.8
 88 17.2 14.3 21.5

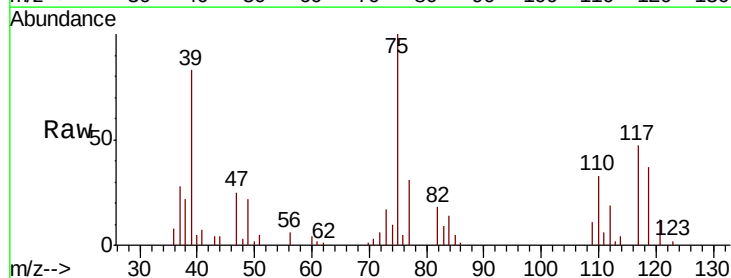


Abundance Ion 114.00 (113.70 to 114.70): VN057663.D (-2099) (-)
 Ion 63.00 (62.70 to 63.70): VN057663.D (-2099) (-)
 Ion 88.00 (87.70 to 88.70): VN057663.D (-2099) (-)

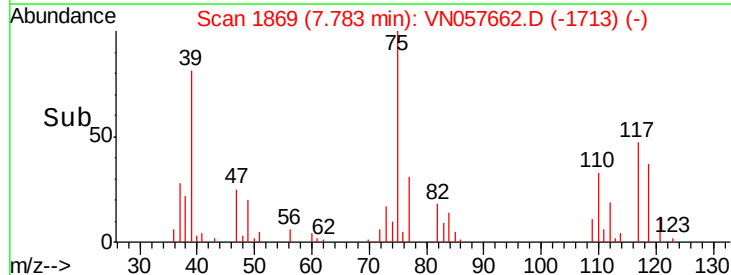
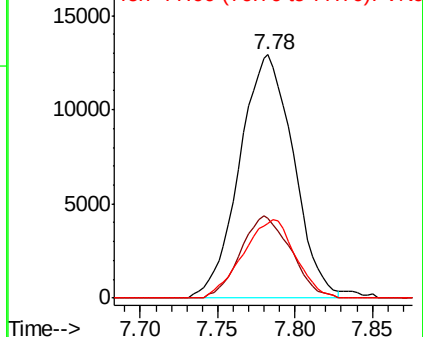


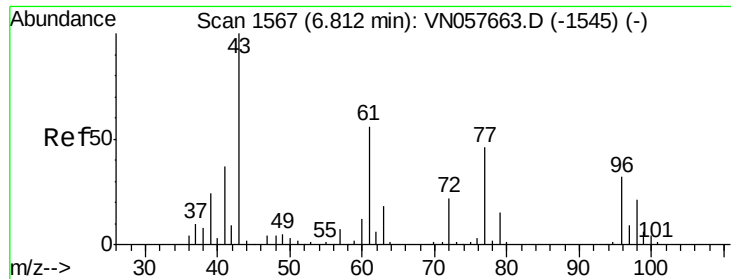
#29
 1,1-Dichloropropene
 Concen: 5.832 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 75 Resp: 31268
 Ion Ratio Lower Upper
 75 100
 110 31.6 0.0 62.8
 77 31.3 0.0 57.8



Abundance Ion 75.00 (74.70 to 75.70): VN057663.D (-1846) (-)
 Ion 110.00 (109.70 to 110.70): VN057663.D (-1846) (-)
 Ion 77.00 (76.70 to 77.70): VN057663.D (-1846) (-)

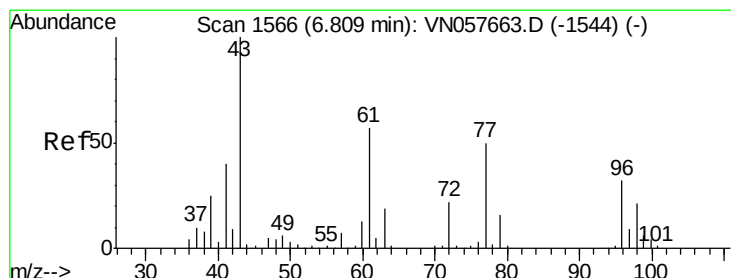
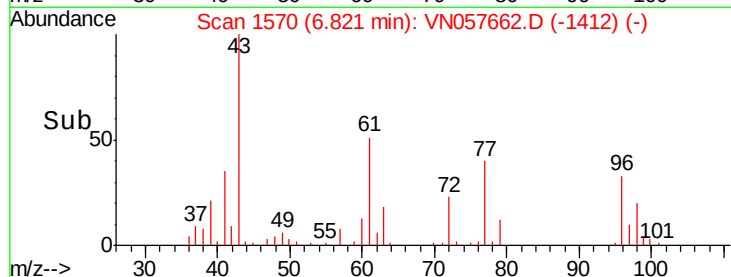
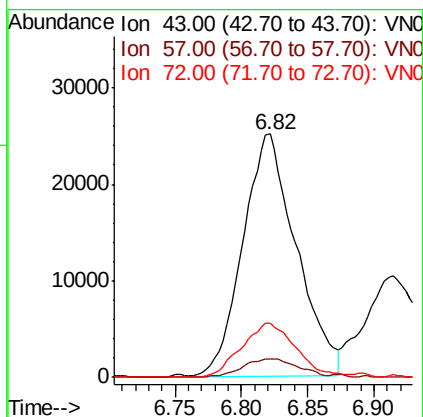
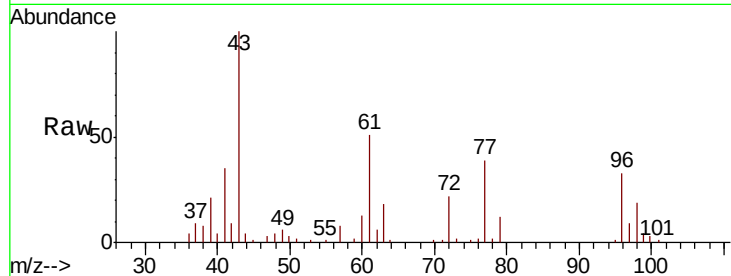




#30
2-Butanone
Concen: 37.423 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

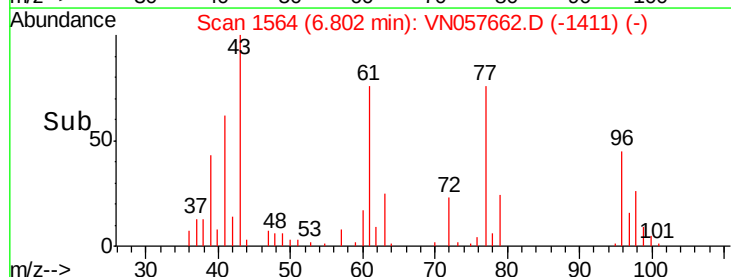
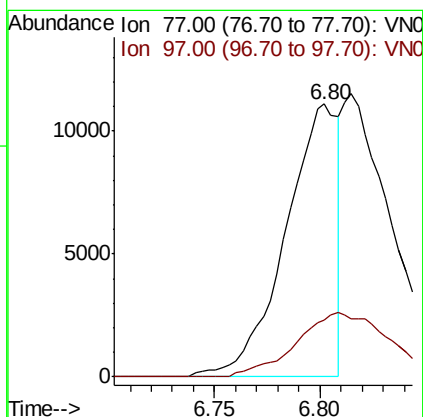
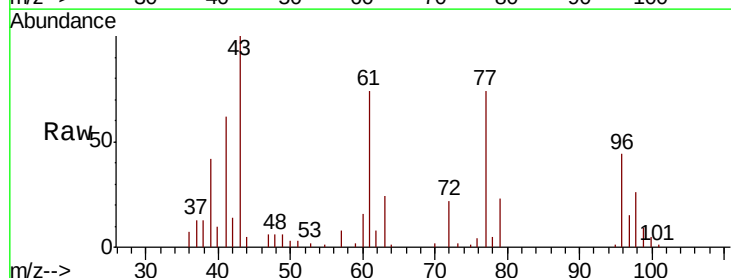
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

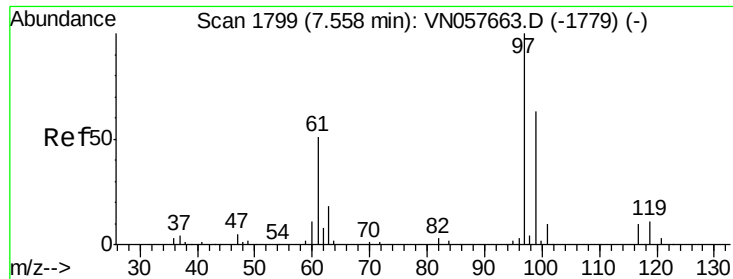
Tgt Ion: 43 Resp: 70630
Ion Ratio Lower Upper
43 100
57 6.9 2.6 3.8#
72 22.9 18.1 27.1



#31
2,2-Dichloropropane
Concen: 2.985 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 77 Resp: 19168
Ion Ratio Lower Upper
77 100
97 27.2 8.8 13.2#

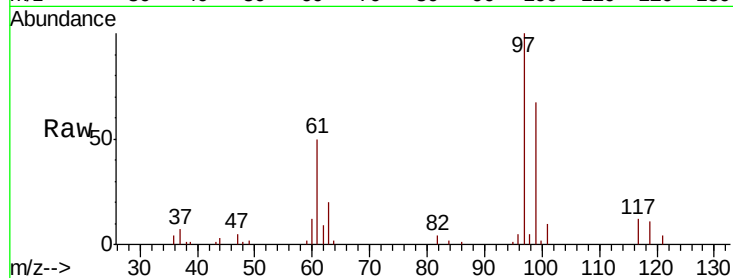




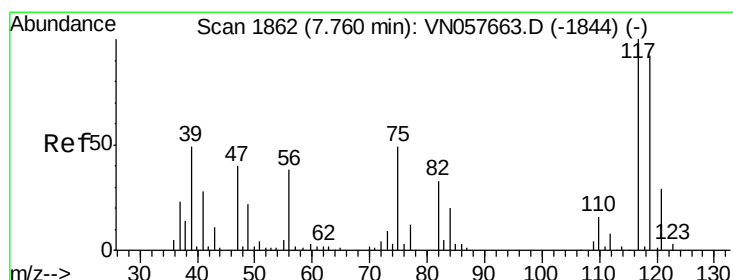
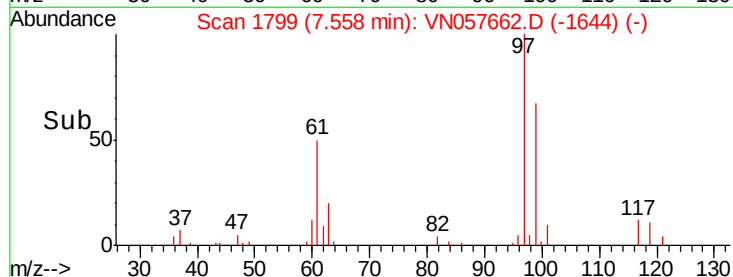
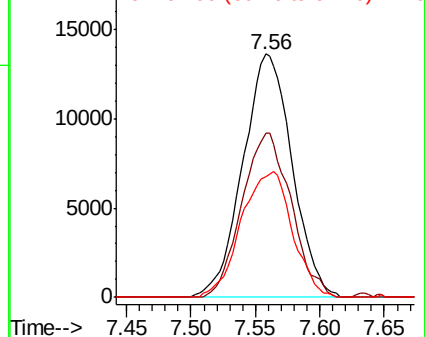
#32
 1,1,1-Trichloroethane
 Concen: 5.156 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 36271
 Ion Ratio Lower Upper
 97 100
 99 67.2 51.9 77.9
 61 53.5 41.4 62.0

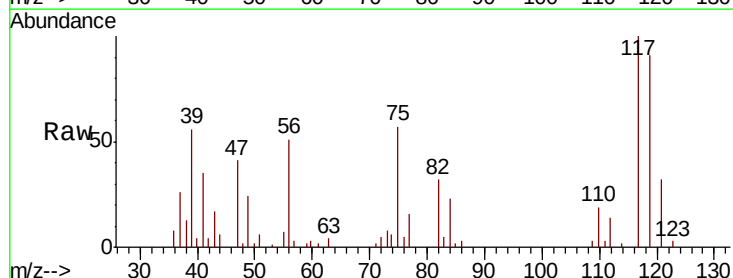


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 99.00 (98.70 to 99.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

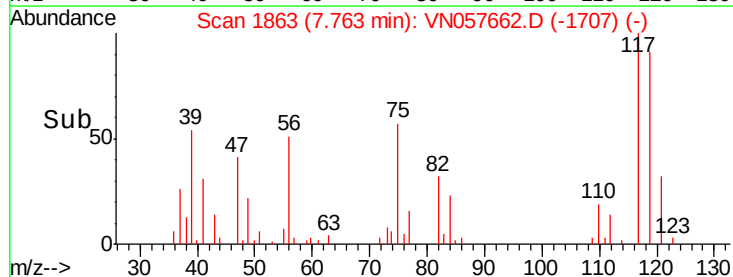
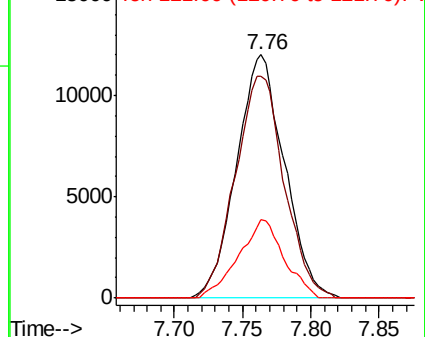


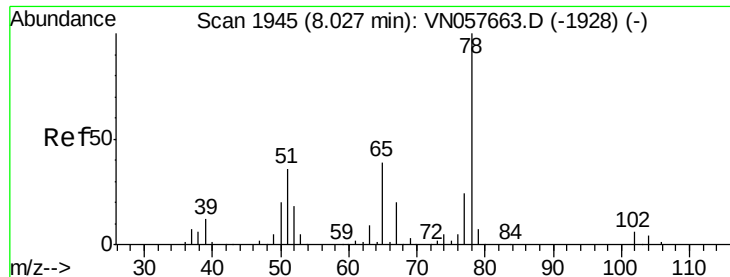
#33
 Carbon Tetrachloride
 Concen: 4.947 ug/l
 RT: 7.76 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 117 Resp: 29276
 Ion Ratio Lower Upper
 117 100
 119 91.3 73.3 109.9
 121 32.2 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: 5.682 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

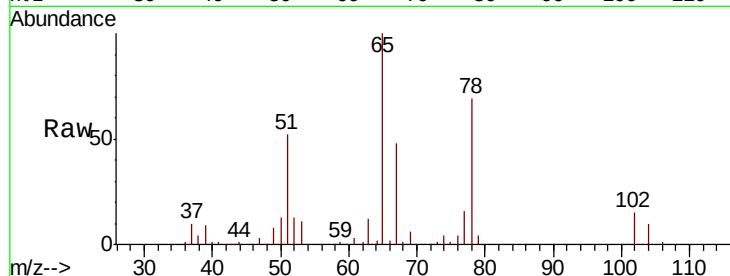
Tgt Ion: 78 Resp: 90380

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2

51 72.0 29.0 43.6#

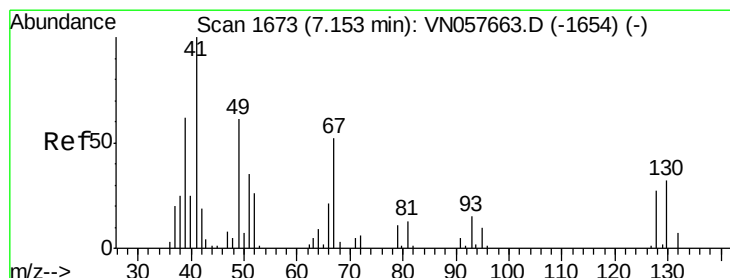
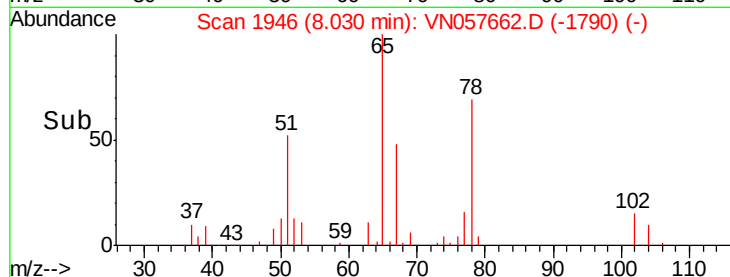
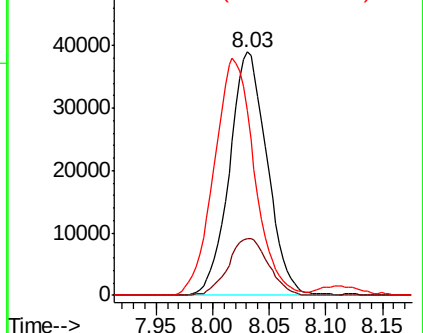


Abundance

Ion 78.10 (77.80 to 78.80): VNC

Ion 77.00 (76.70 to 77.70): VNC

Ion 51.00 (50.70 to 51.70): VNC



#35

Methacrylonitrile

Concen: 1.036 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion: 41 Resp: 1870

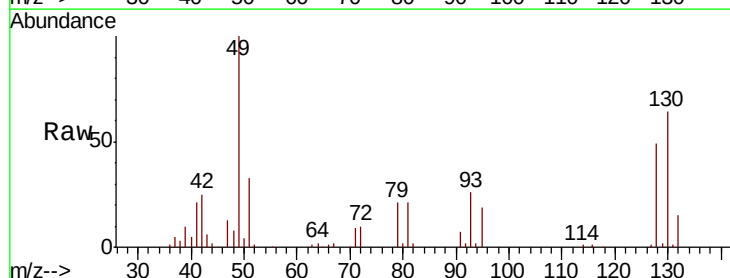
Ion Ratio Lower Upper

41 100

39 12.5 31.0 93.0#

67 3.2 25.9 77.7#

52 1.0 12.9 38.7#



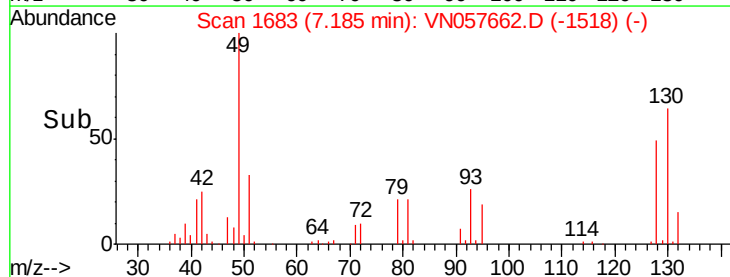
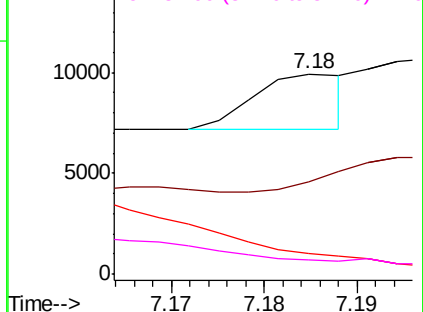
Abundance

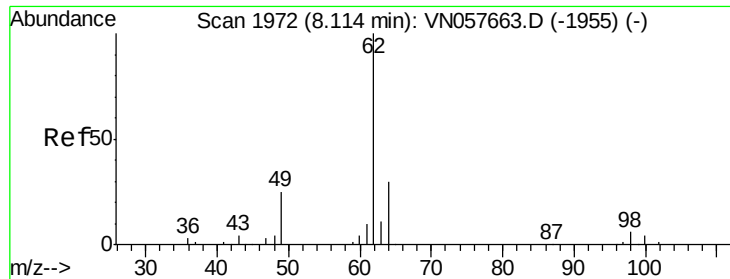
Ion 41.00 (40.70 to 41.70): VNC

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

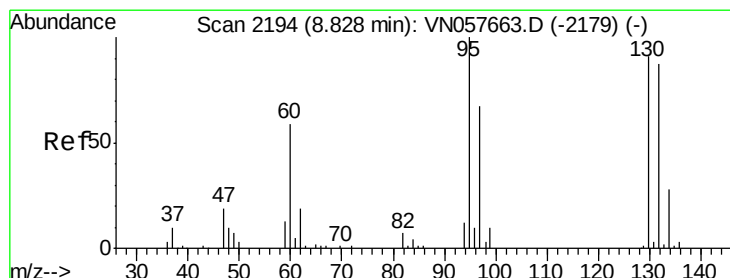
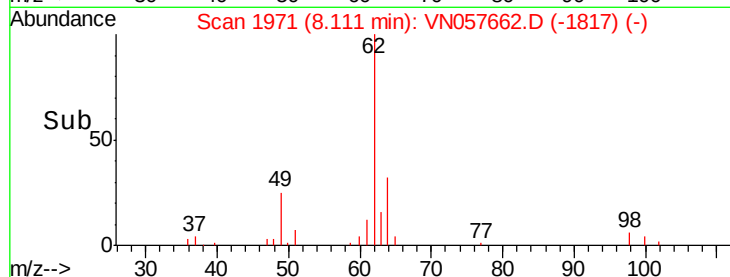
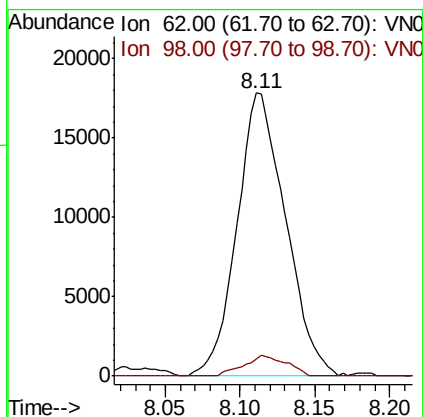
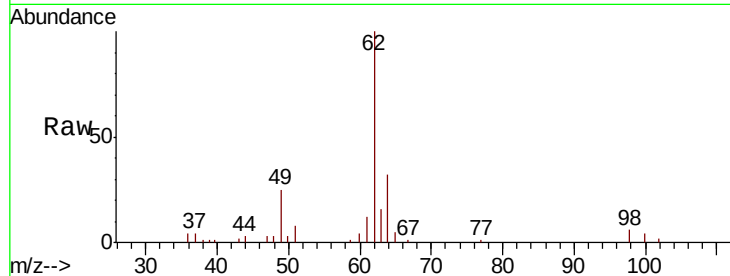




#36
 1,2-Dichloroethane
 Concen: 6.662 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

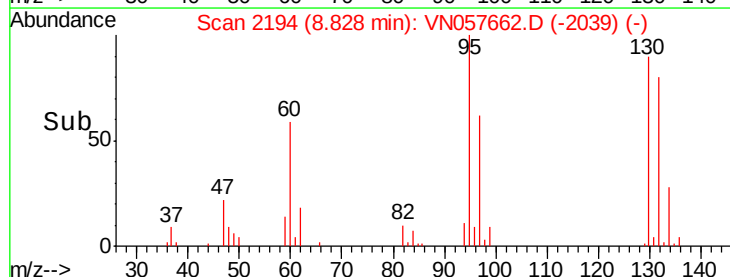
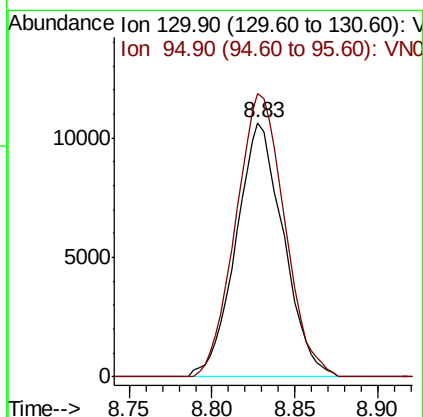
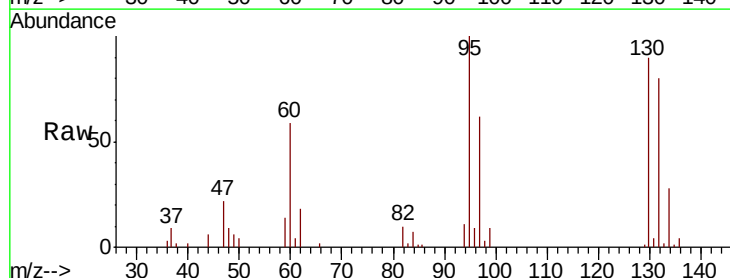
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

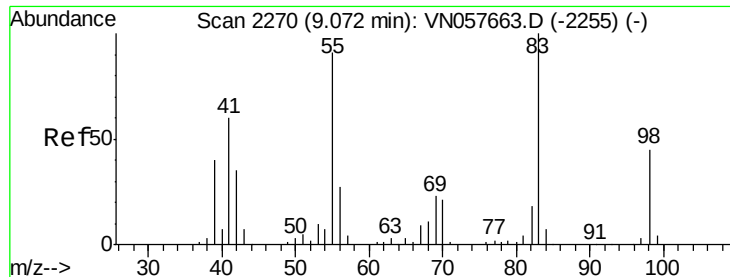
Tgt Ion: 62 Resp: 40368
 Ion Ratio Lower Upper
 62 100
 98 6.4 0.0 0.0#



#37
 Trichloroethene
 Concen: 4.769 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 130 Resp: 21122
 Ion Ratio Lower Upper
 130 100
 95 111.3 87.5 131.3

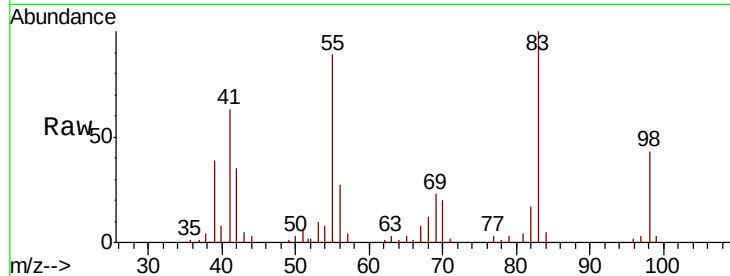




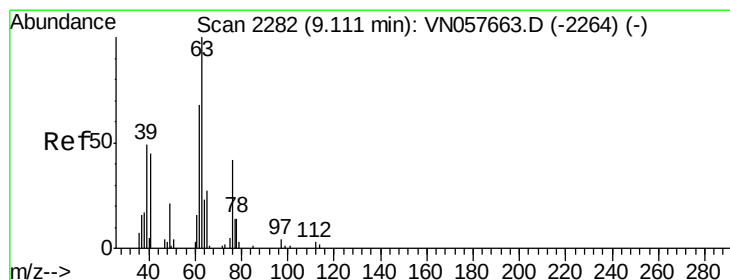
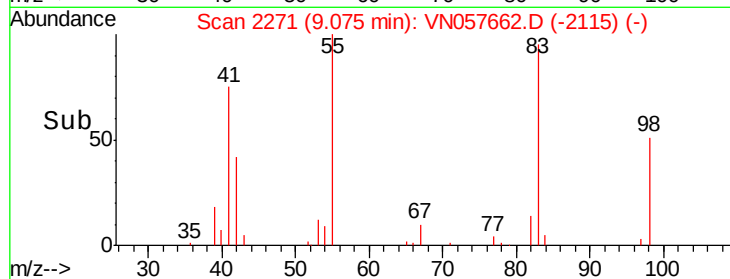
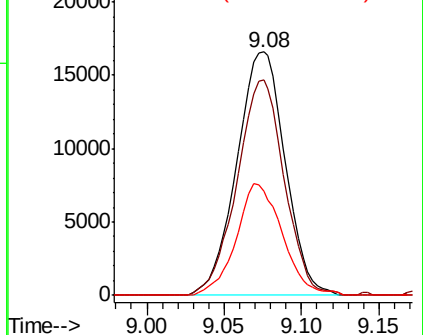
#38
Methylcyclohexane
Concen: 5.685 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 36137
Ion Ratio Lower Upper
83 100
55 86.4 45.1 135.3
98 43.7 22.5 67.5

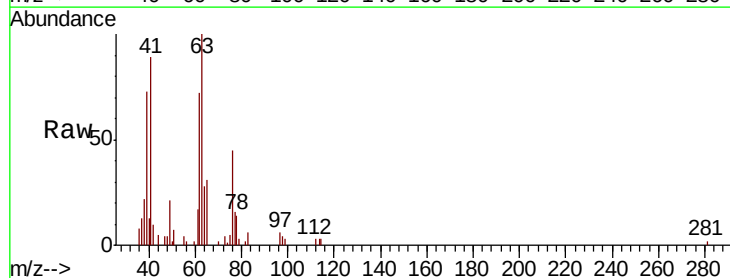


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

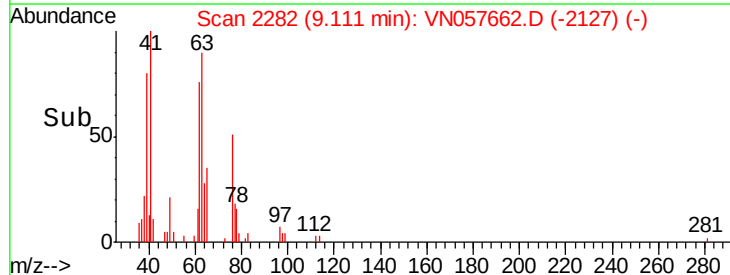
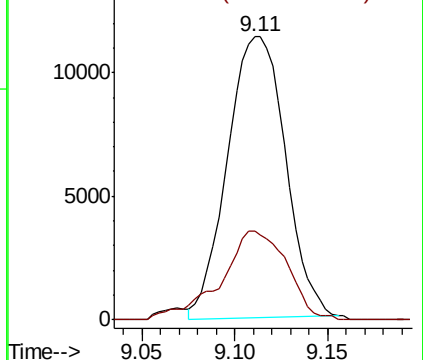


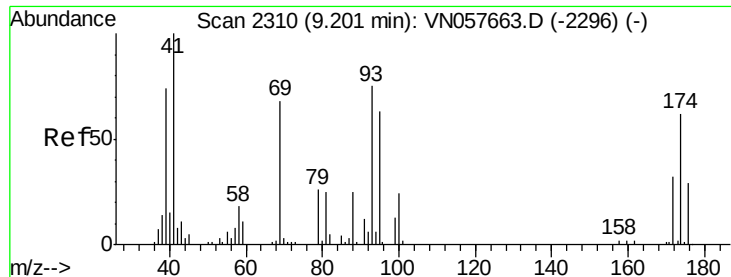
#39
1,2-Dichloropropane
Concen: 6.176 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 63 Resp: 24723
Ion Ratio Lower Upper
63 100
65 31.9 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: 5.372 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

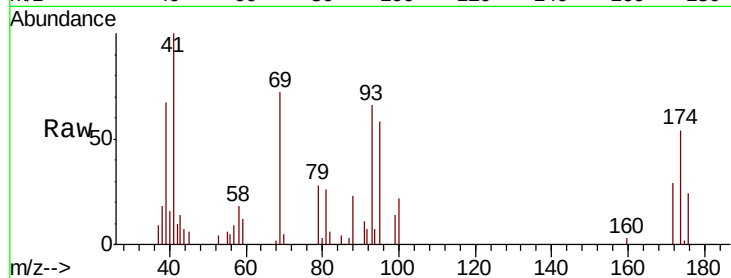
Tgt Ion: 93 Resp: 15824

Ion Ratio Lower Upper

93 100

95 81.4 0.0 168.2

174 81.5 0.0 169.2

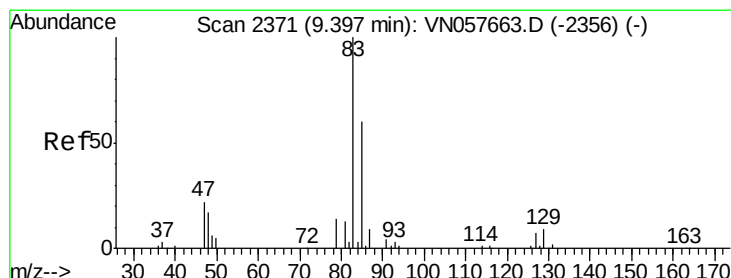
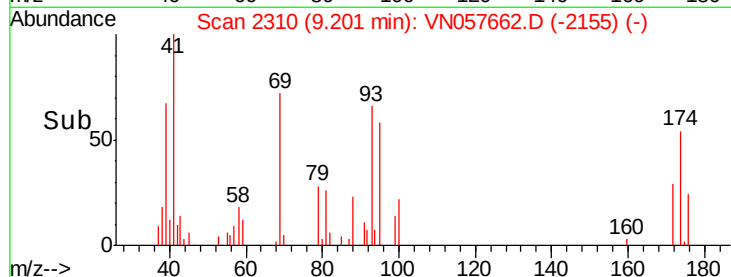
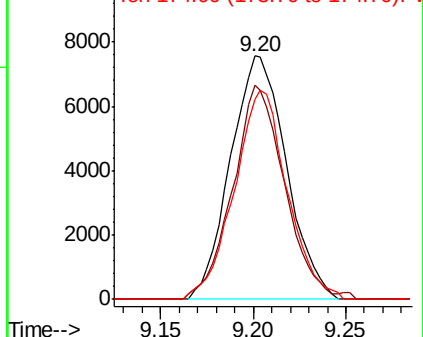


Abundance

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: 5.148 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

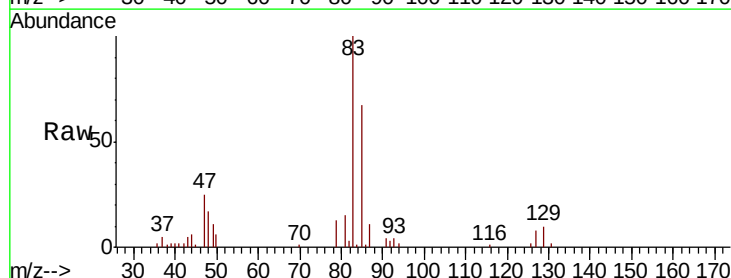
Tgt Ion: 83 Resp: 31352

Ion Ratio Lower Upper

83 100

85 66.6 48.2 72.4

127 7.9 5.3 7.9#

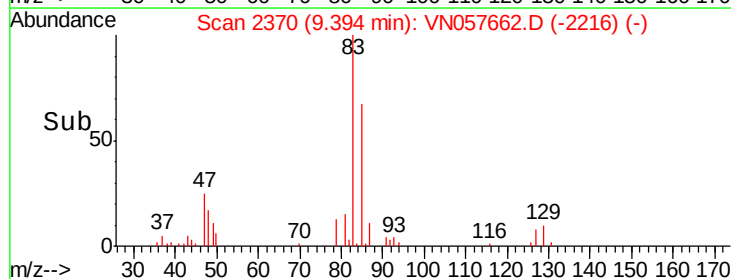
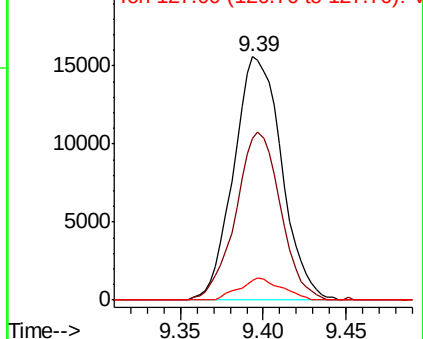


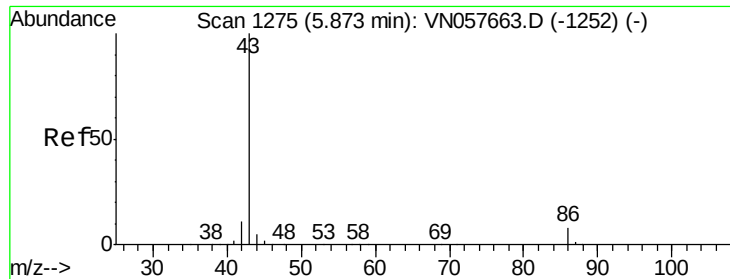
Abundance

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): V

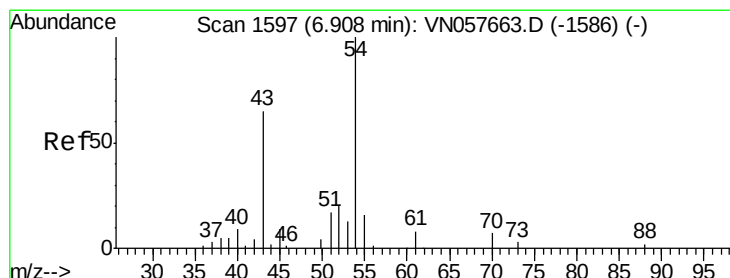
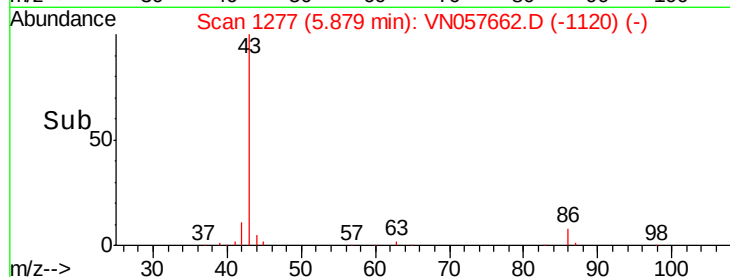
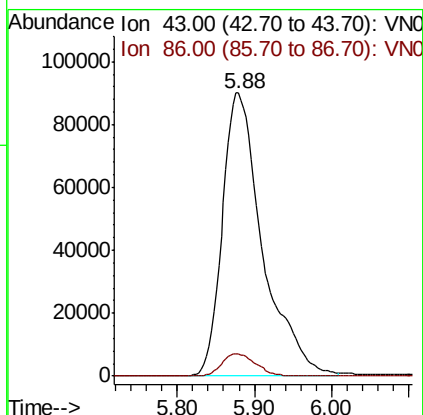
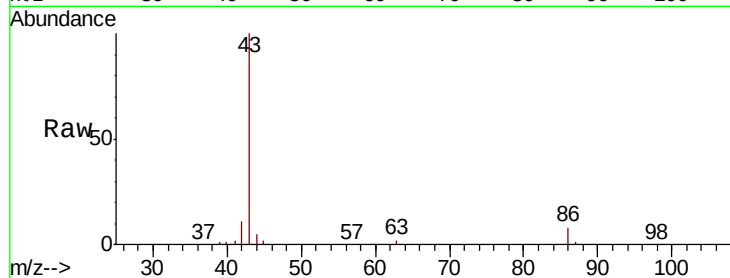




#42
 Vinyl Acetate
 Concen: 38.028 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

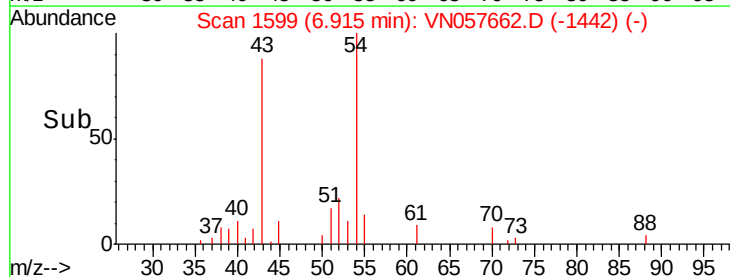
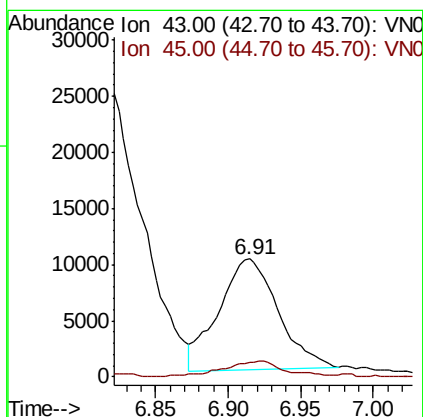
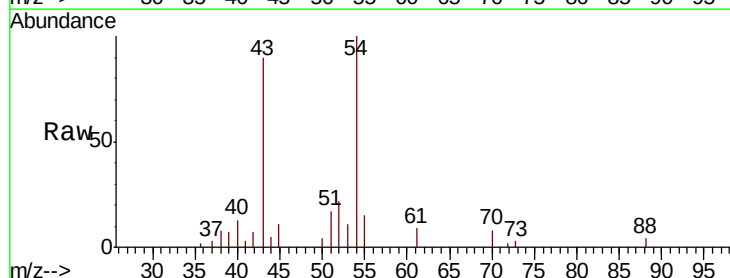
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

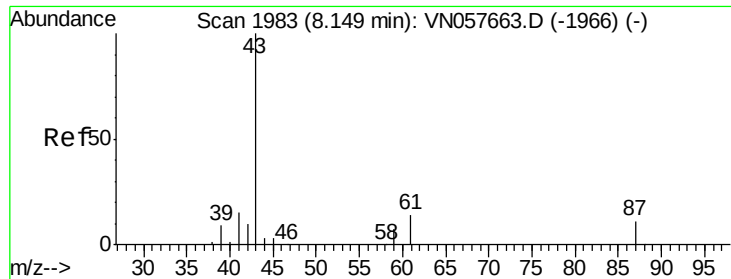
Tgt Ion: 43 Resp: 322025
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.4 8.2



#43
 Ethyl Acetate
 Concen: 7.696 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 43 Resp: 28209
 Ion Ratio Lower Upper
 43 100
 45 11.7 5.0 7.6#





#44

Isopropyl Acetate

Concen: 7.296 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

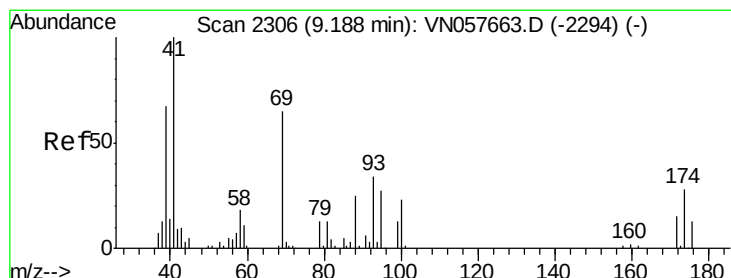
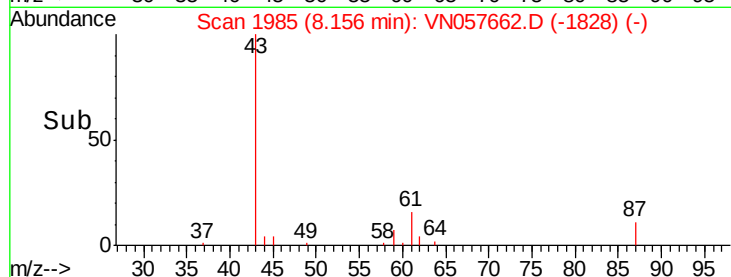
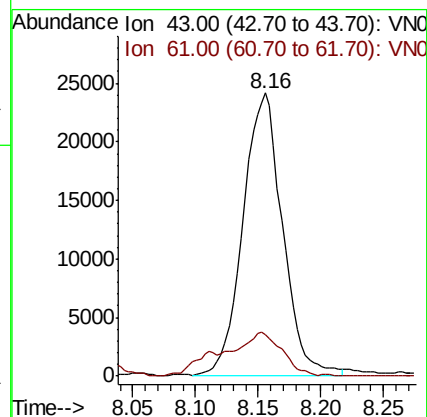
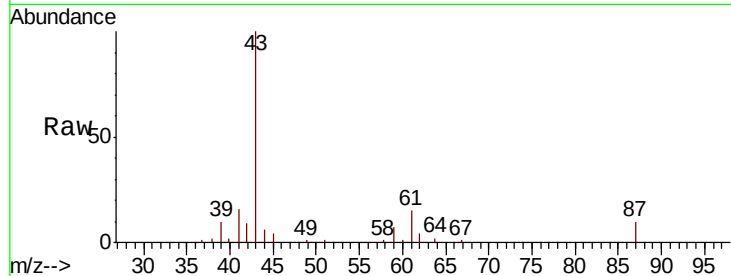
VSTDIC005

Tgt Ion: 43 Resp: 53299

Ion Ratio Lower Upper

43 100

61 11.4 12.6 18.8#



#45

1,4-Dioxane

Concen: 118.832 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

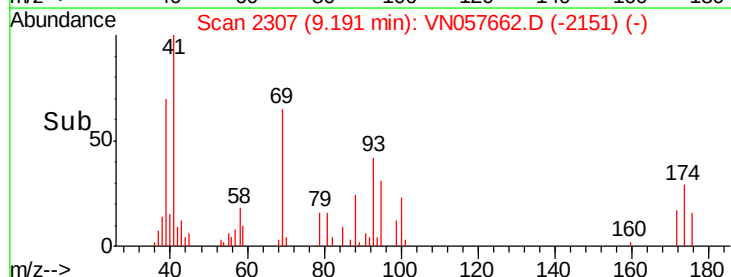
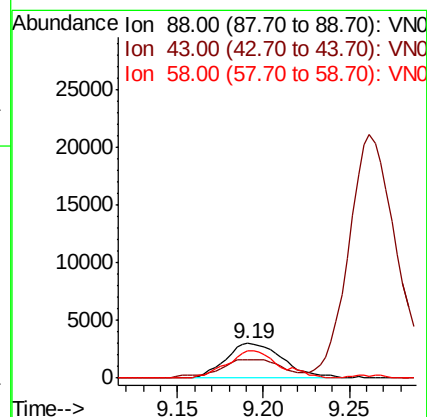
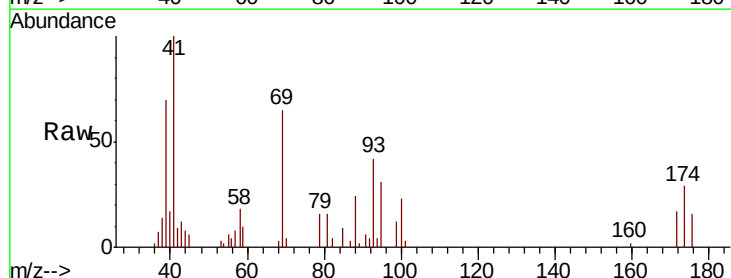
Tgt Ion: 88 Resp: 6983

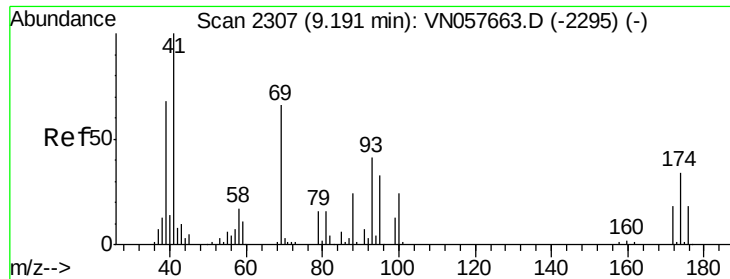
Ion Ratio Lower Upper

88 100

43 20.2 31.0 46.4#

58 63.2 58.2 87.2

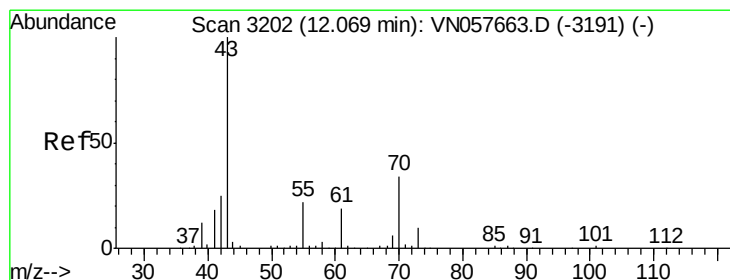
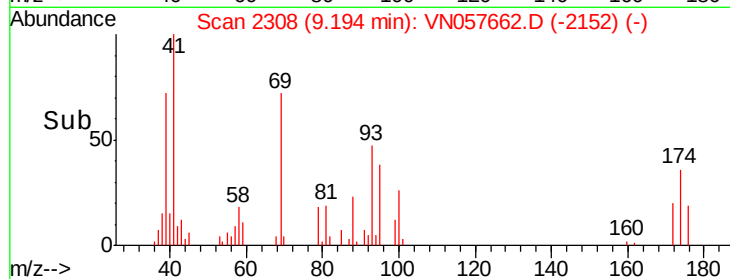
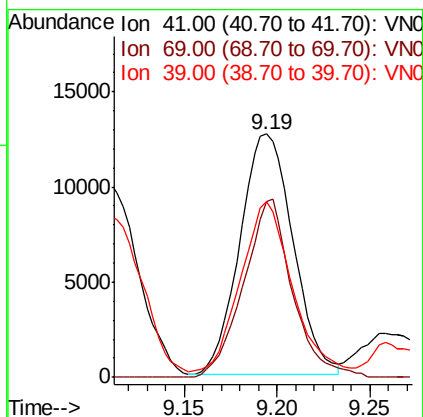
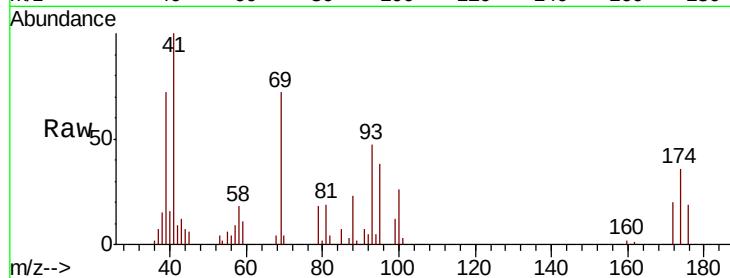




#46
Methyl methacrylate
Concen: 7.460 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

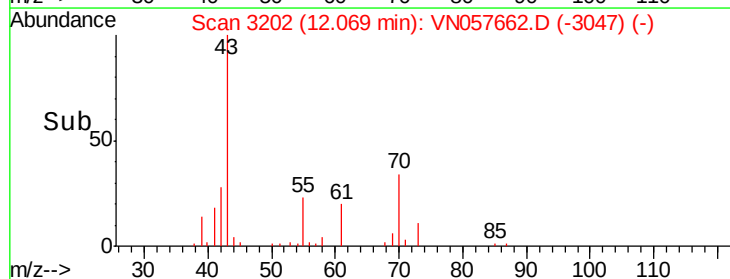
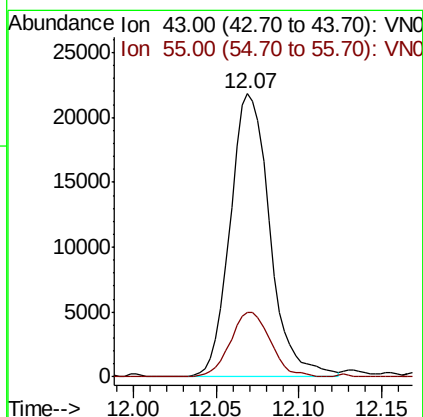
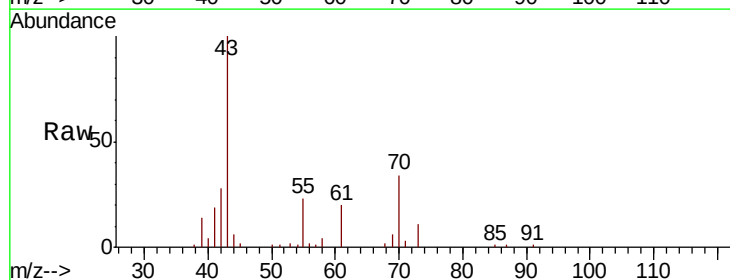
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

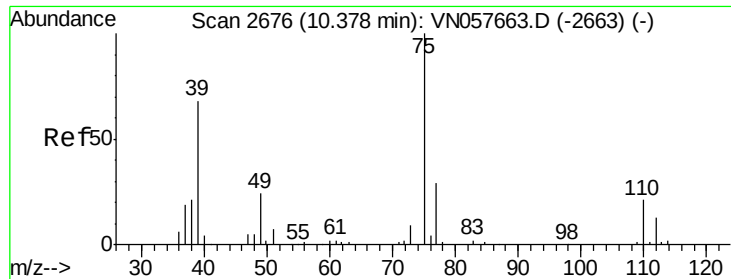
Tgt Ion: 41 Resp: 25268
Ion Ratio Lower Upper
41 100
69 73.3 33.1 99.2
39 70.6 34.0 102.0



#47
n-amyl Acetate
Concen: 6.273 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 43 Resp: 36499
Ion Ratio Lower Upper
43 100
55 23.0 17.5 26.3





#48

t-1,3-Dichloropropene

Concen: 5.027 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

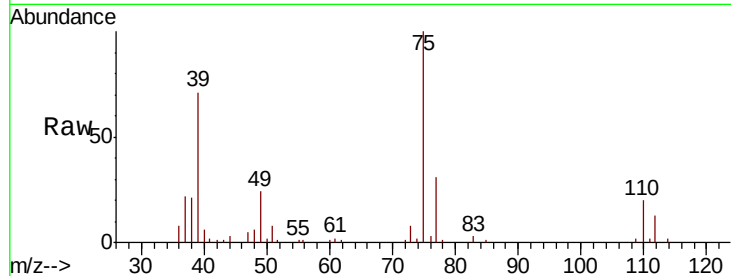
VSTDIC005

Tgt Ion: 75 Resp: 30933

Ion Ratio Lower Upper

75 100

77 30.6 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

20000

15000

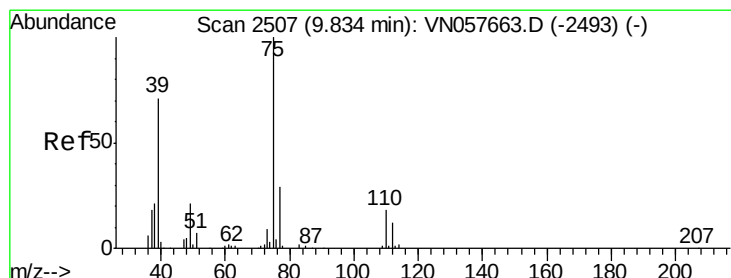
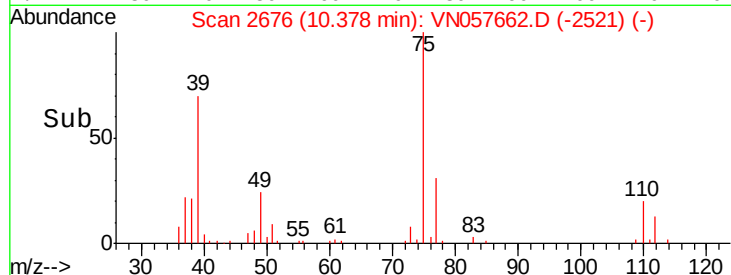
10000

5000

0

Time-->

10.35 10.40



#49

cis-1,3-Dichloropropene

Concen: 5.318 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

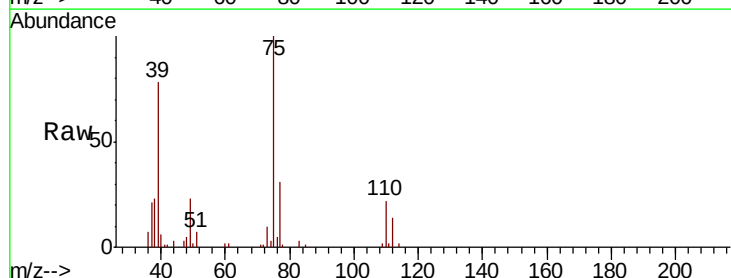
Tgt Ion: 75 Resp: 35299

Ion Ratio Lower Upper

75 100

77 31.1 23.4 35.2

39 77.9 56.6 85.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

25000

20000

15000

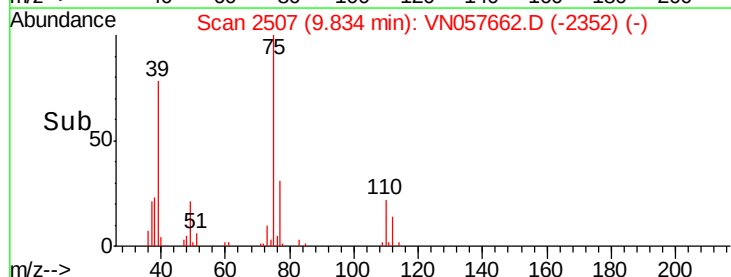
10000

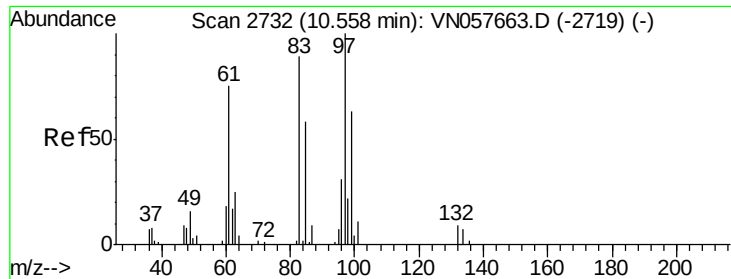
5000

0

Time-->

9.75 9.80 9.85 9.90

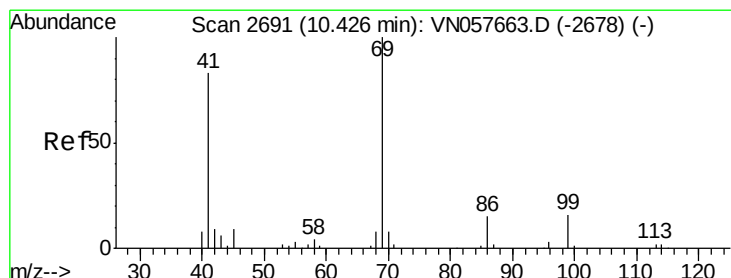
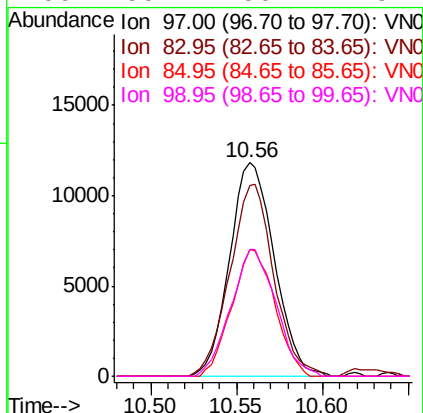
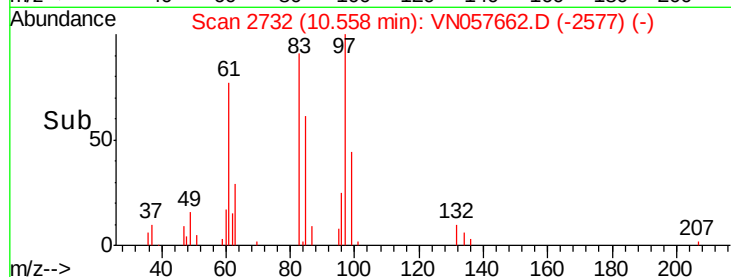
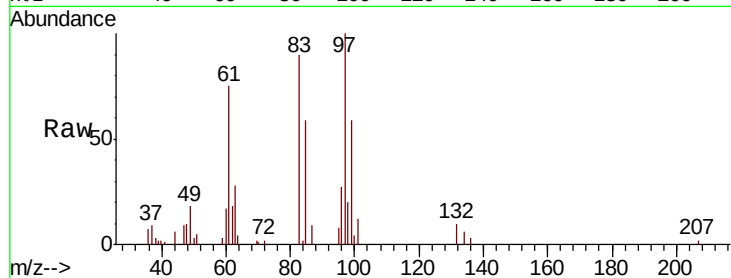




#50
1,1,2-Trichloroethane
Concen: 5.081 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

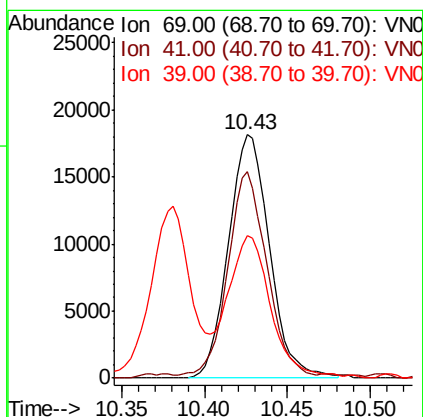
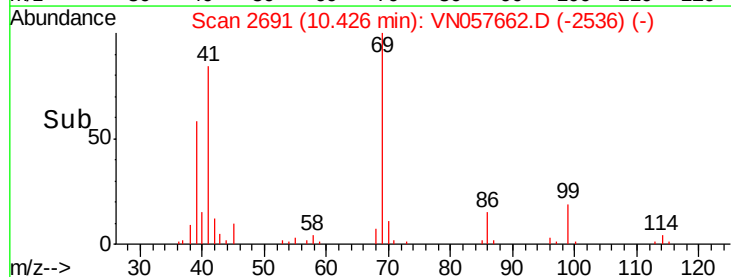
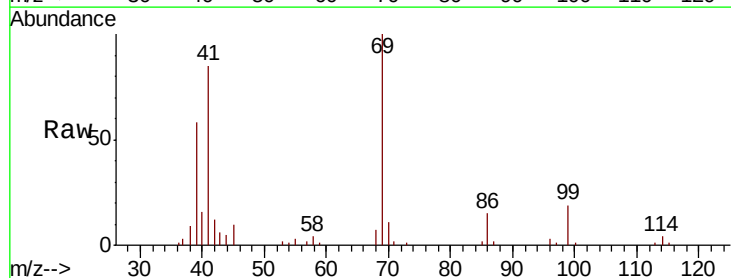
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

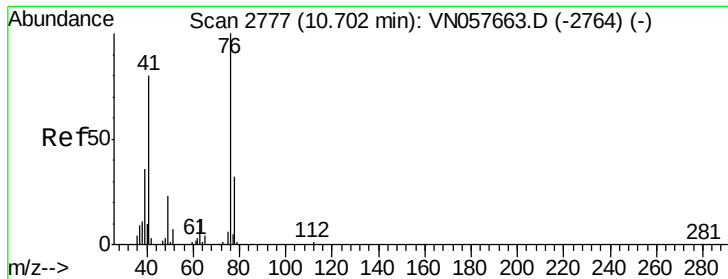
Tgt Ion: 97 Resp: 21377
Ion Ratio Lower Upper
97 100
83 89.5 71.4 107.2
85 59.4 46.0 69.0
99 59.1 50.2 75.2



#51
Ethyl methacrylate
Concen: 5.506 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 69 Resp: 31328
Ion Ratio Lower Upper
69 100
41 83.3 41.5 124.5
39 57.1 29.6 88.9





#52

1,3-Dichloropropane

Concen: 5.645 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

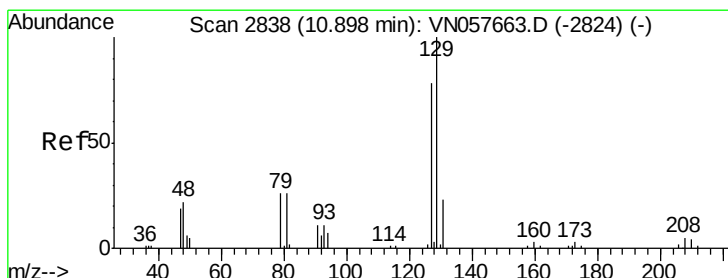
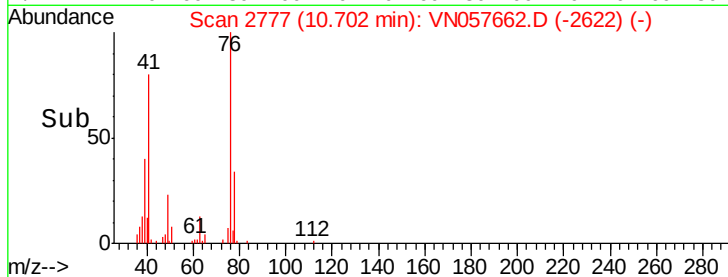
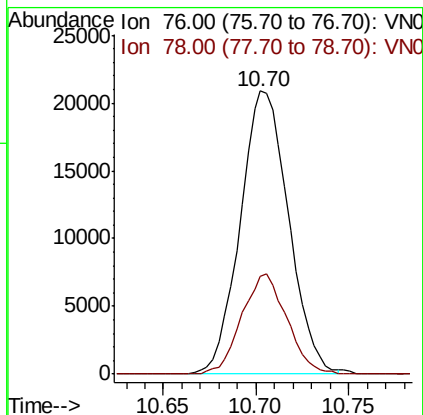
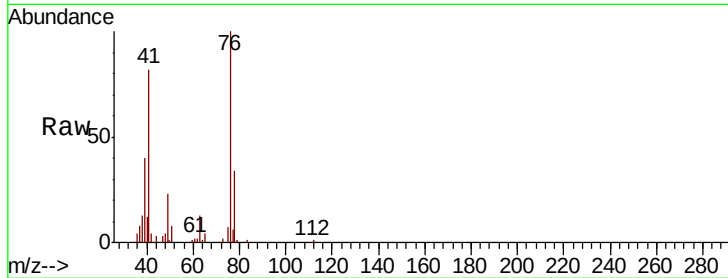
VSTDIC005

Tgt Ion: 76 Resp: 37803

Ion Ratio Lower Upper

76 100

78 33.1 0.0 63.8



#53

Dibromochloromethane

Concen: 3.994 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057662.D

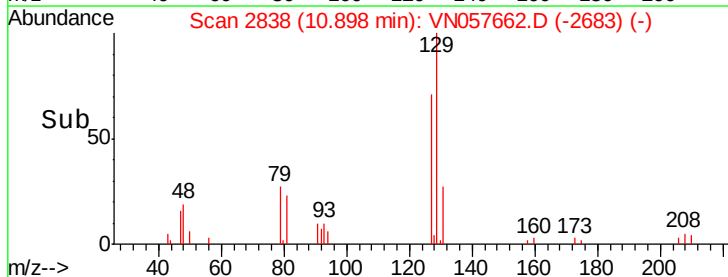
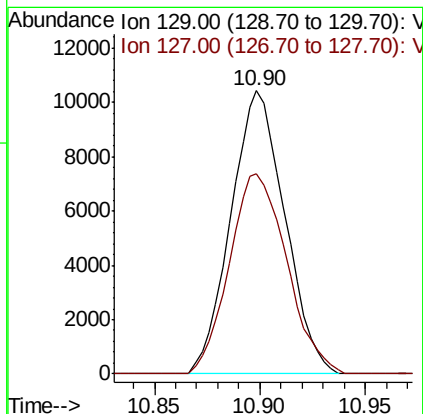
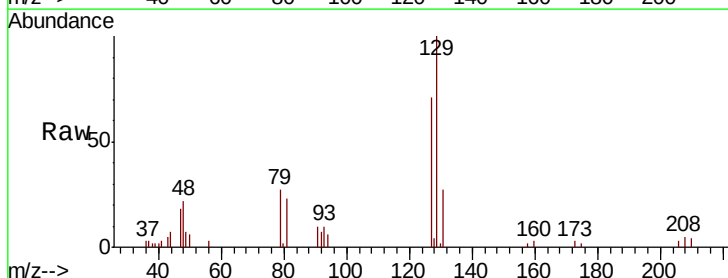
Acq: 3 Sep 2019 14:44

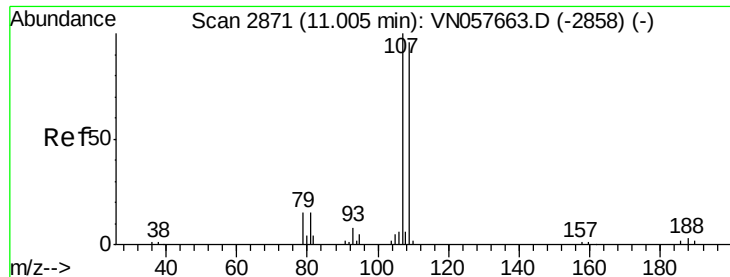
Tgt Ion: 129 Resp: 18551

Ion Ratio Lower Upper

129 100

127 75.2 39.1 117.3

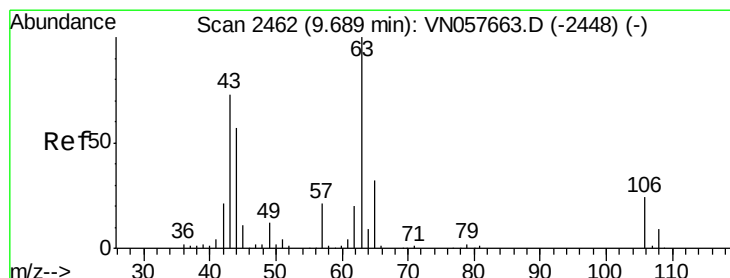
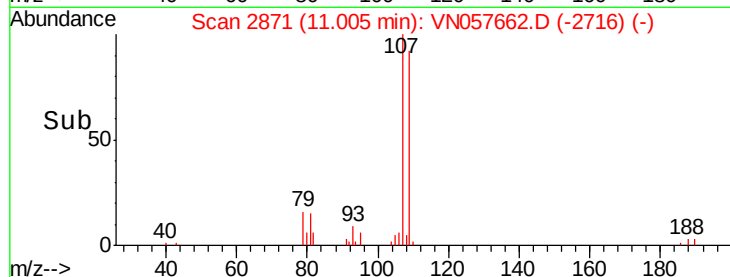
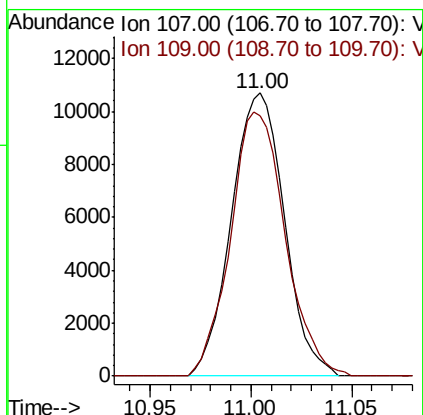
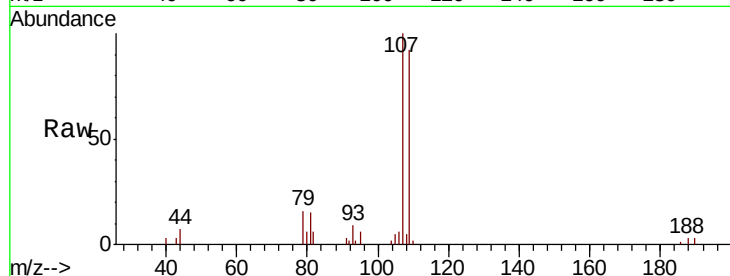




#54
 1,2-Dibromoethane
 Concen: 4.555 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

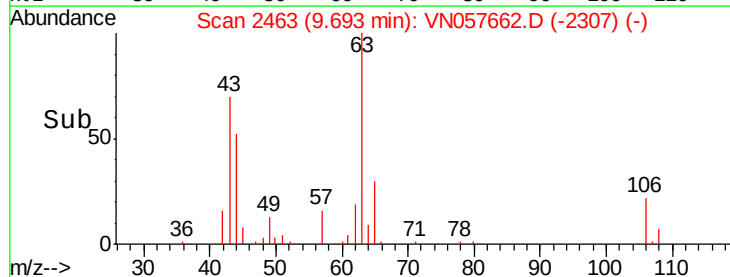
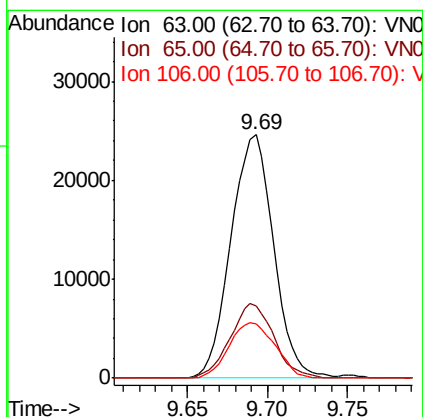
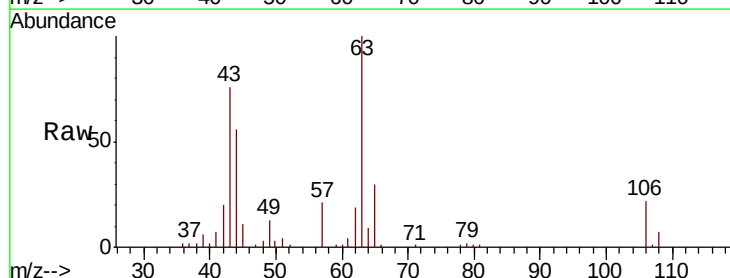
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

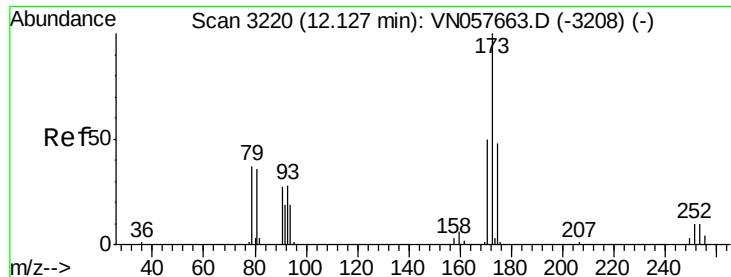
Tgt Ion: 107 Resp: 19687
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.2 114.4



#55
 2-Chloroethyl vinyl ether
 Concen: 30.511 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 63 Resp: 44843
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4
 106 24.5 19.5 29.3

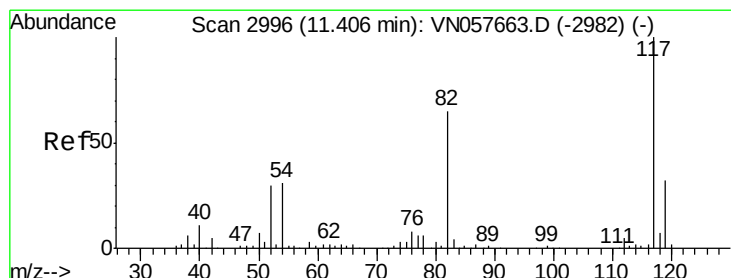
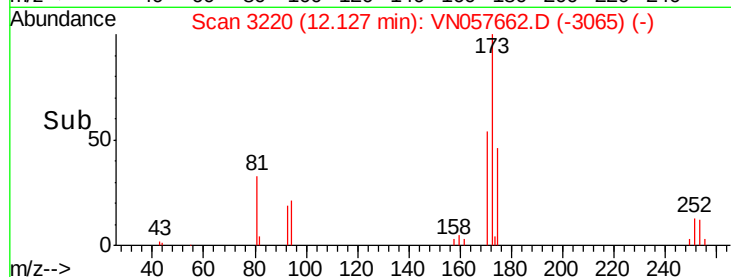
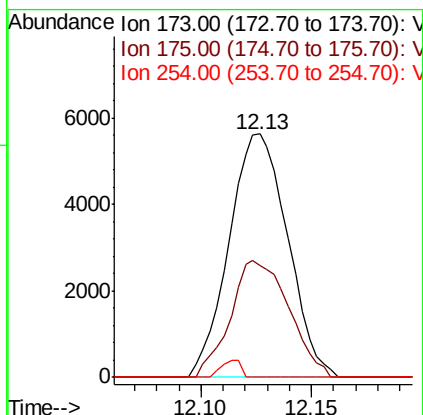
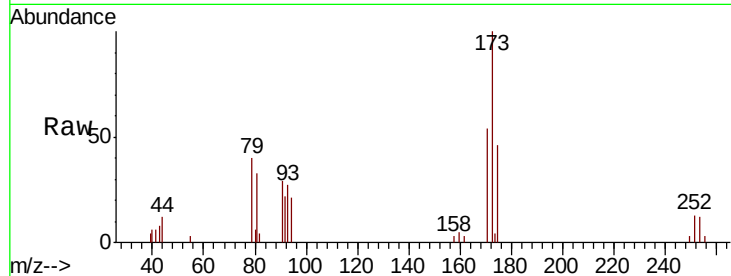




#56
Bromoform
Concen: 3.446 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

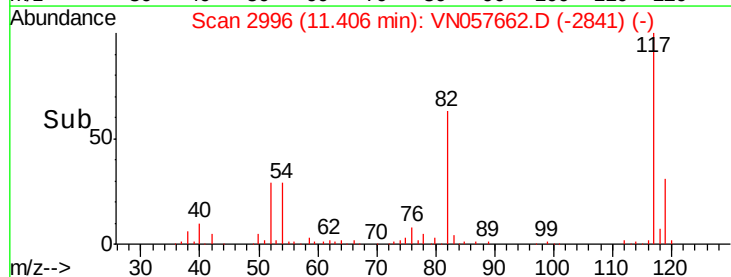
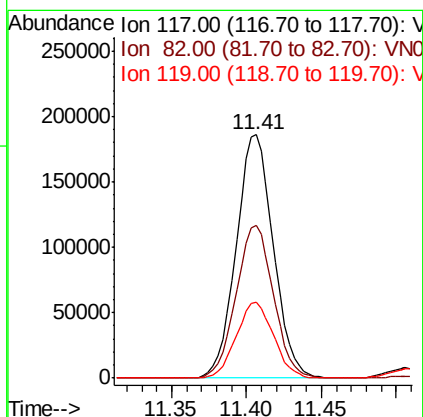
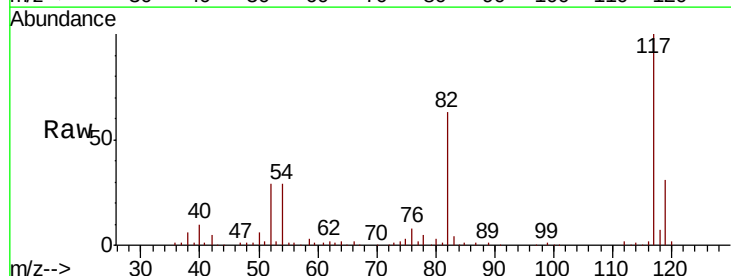
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

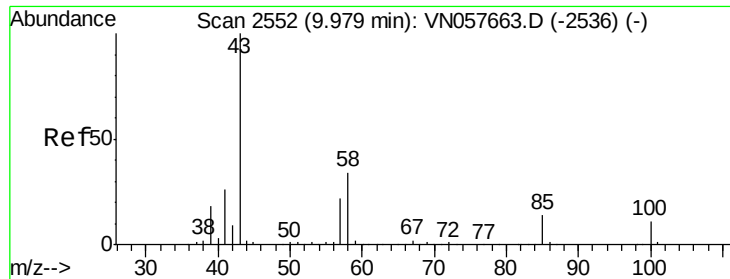
Tgt Ion:173 Resp: 10361
Ion Ratio Lower Upper
173 100
175 47.9 38.8 58.2
254 2.4 7.2 10.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion:117 Resp: 321452
Ion Ratio Lower Upper
117 100
82 63.1 51.2 76.8
119 31.4 25.8 38.6

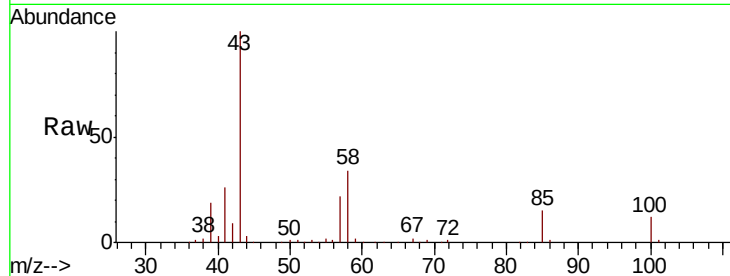




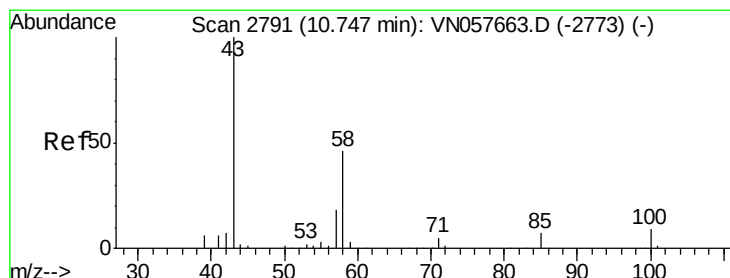
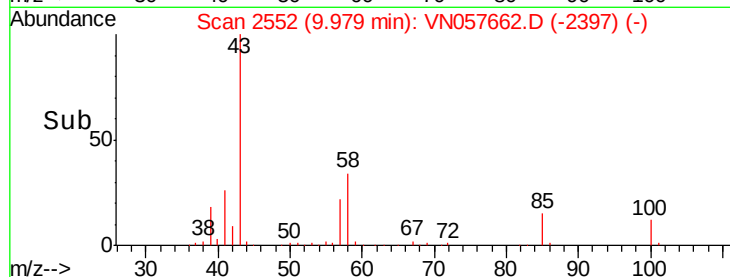
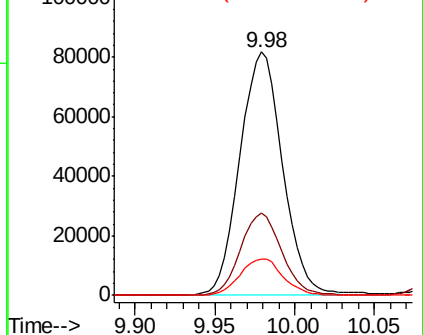
#58
4-Methyl-2-Pentanone
Concen: 40.569 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 43 Resp: 149472
Ion Ratio Lower Upper
43 100
58 32.6 26.7 40.1
85 15.0 11.2 16.8

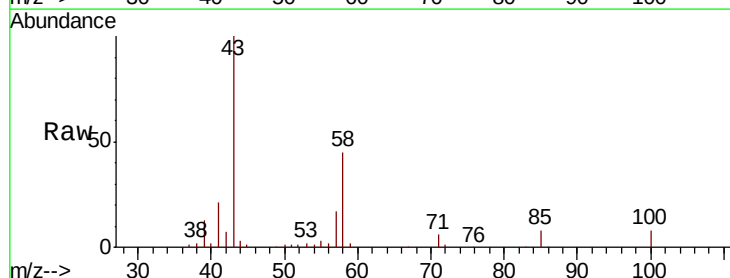


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

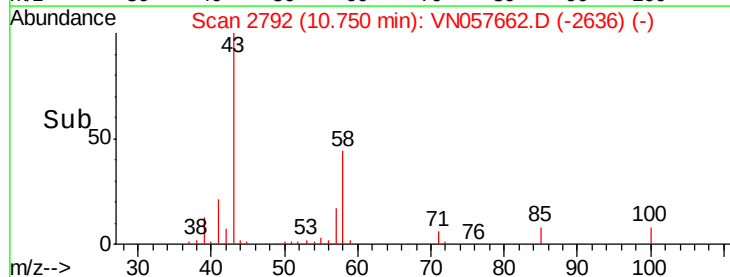
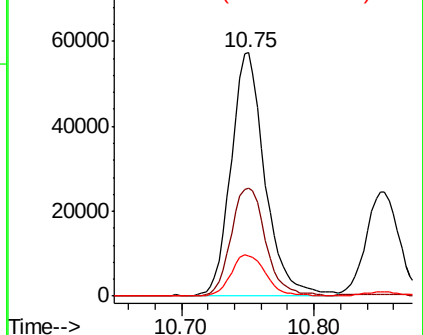


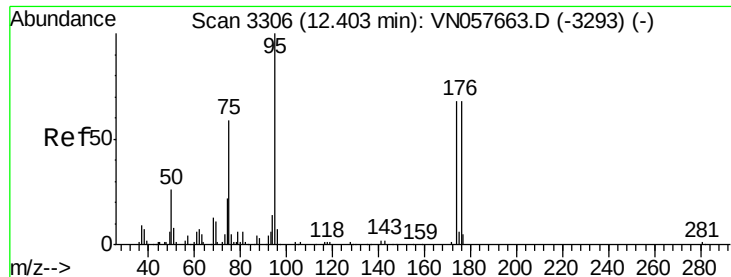
#59
2-Hexanone
Concen: 40.221 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 43 Resp: 102397
Ion Ratio Lower Upper
43 100
58 44.8 36.1 54.1
57 17.4 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

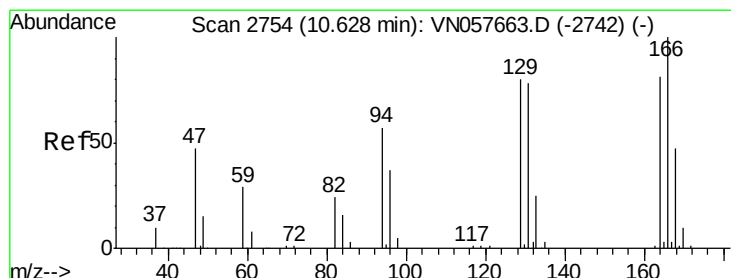
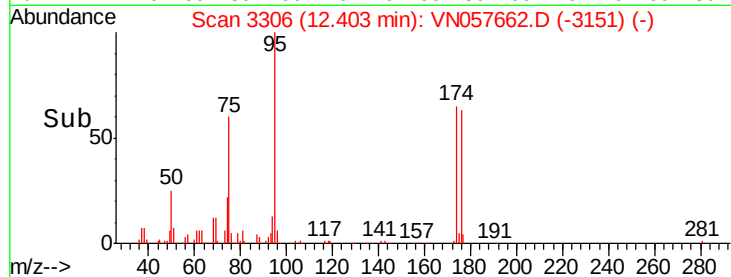
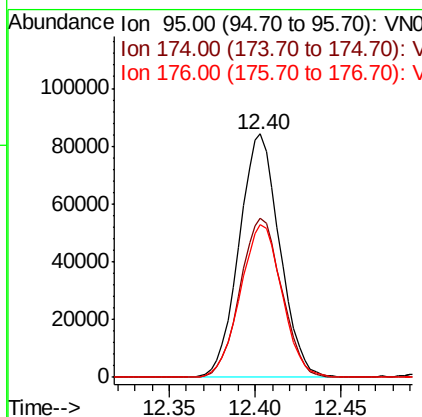
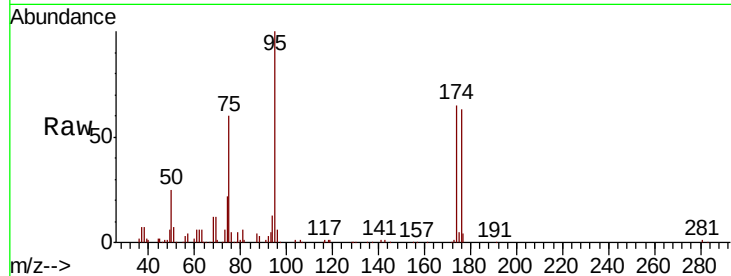




#60
4-Bromofluorobenzene
Concen: 27.750 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

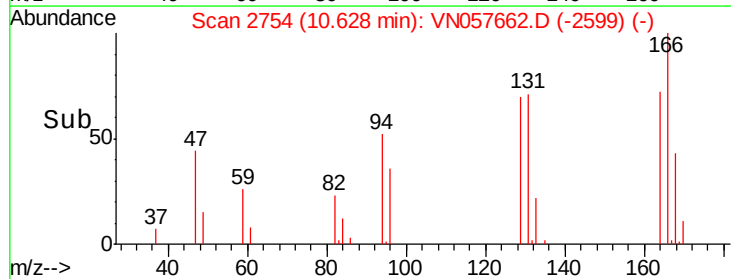
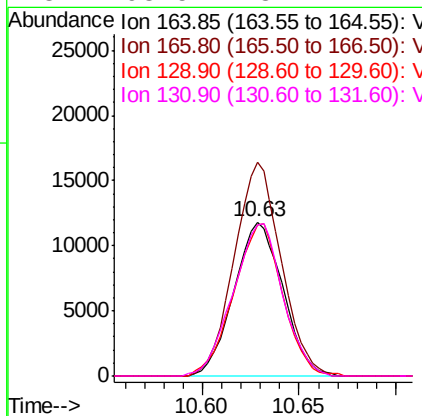
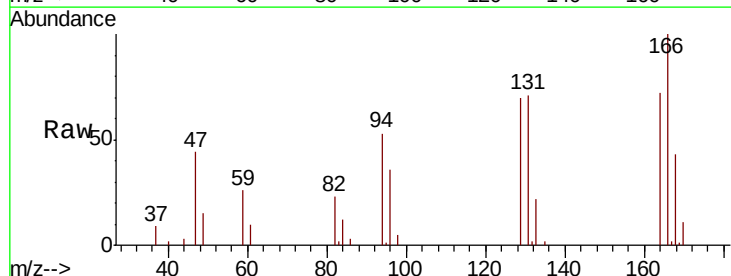
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

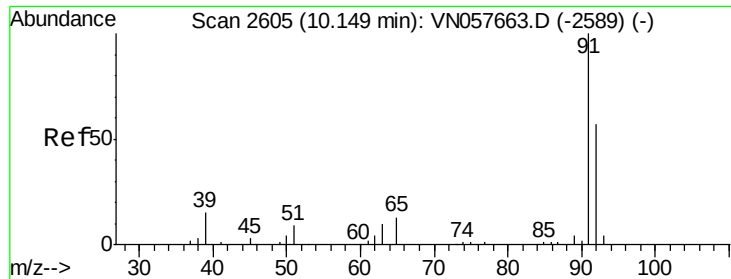
Tgt Ion: 95 Resp: 137907
Ion Ratio Lower Upper
95 100
174 67.1 55.0 82.6
176 64.6 53.7 80.5



#61
Tetrachloroethene
Concen: 5.159 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 164 Resp: 20786
Ion Ratio Lower Upper
164 100
166 138.9 99.4 149.2
129 97.9 78.8 118.2
131 98.5 78.2 117.2





#62

Toluene

Concen: 6.001 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

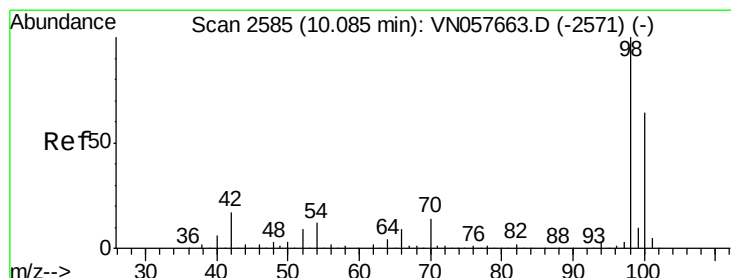
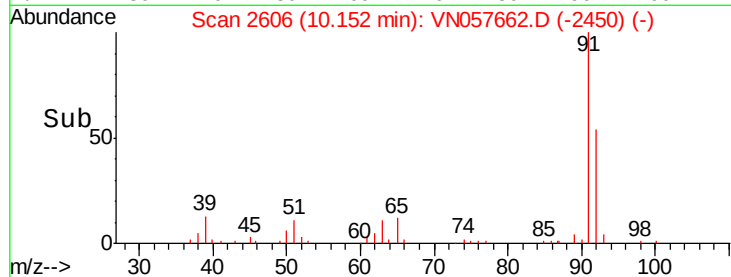
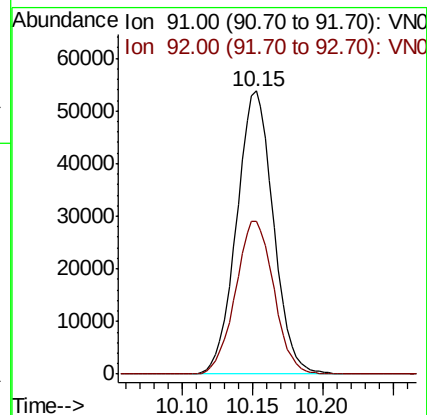
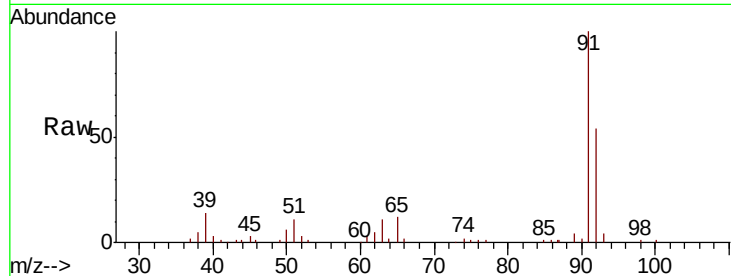
VSTDIC005

Tgt Ion: 91 Resp: 98266

Ion Ratio Lower Upper

91 100

92 56.1 46.1 69.1



#63

Toluene-d8

Concen: 32.026 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057662.D

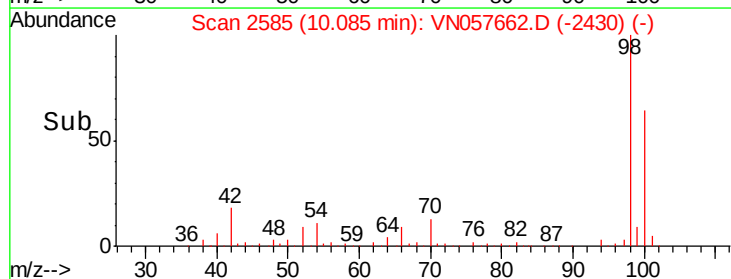
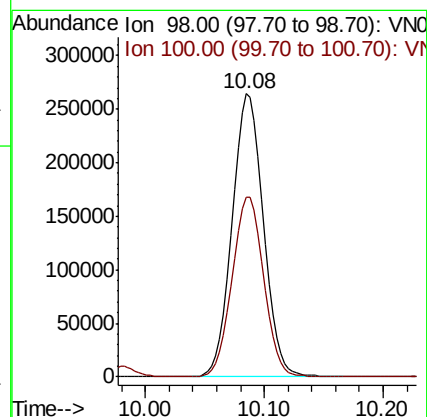
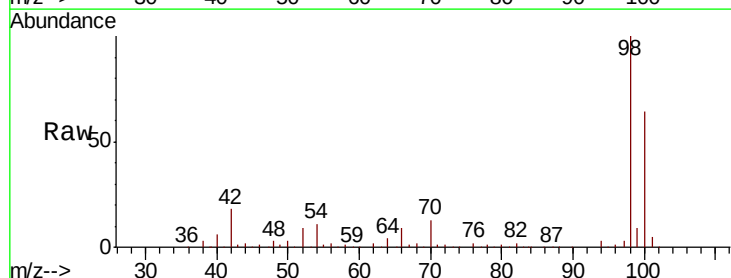
Acq: 3 Sep 2019 14:44

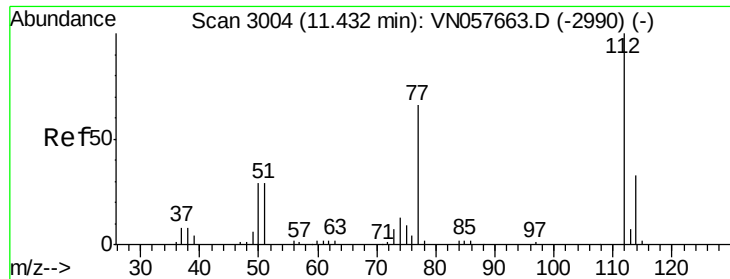
Tgt Ion: 98 Resp: 481683

Ion Ratio Lower Upper

98 100

100 64.4 51.0 76.6

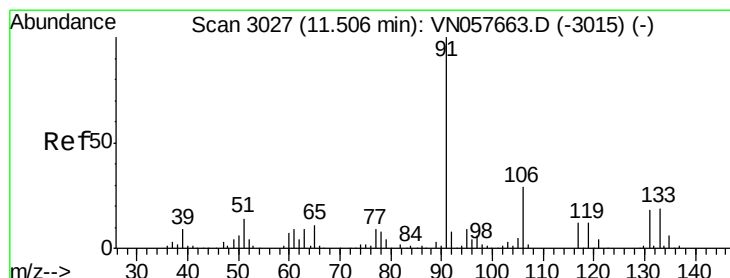
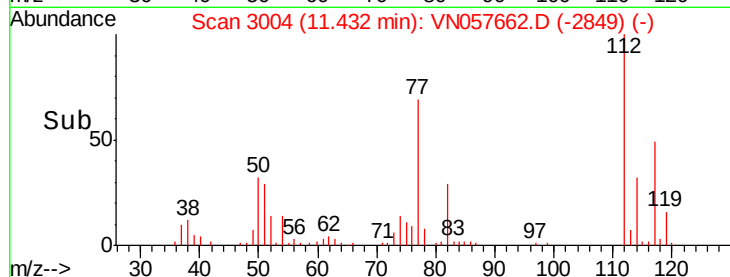
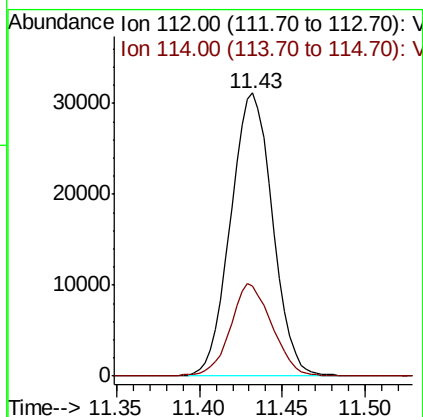
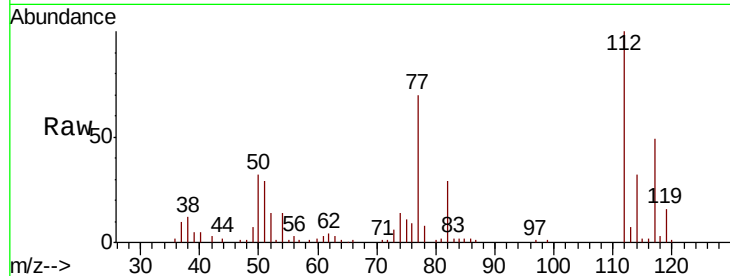




#64
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

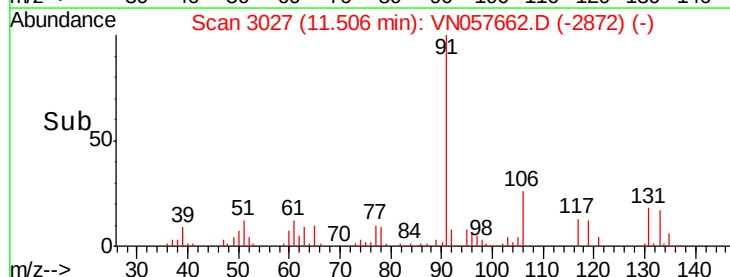
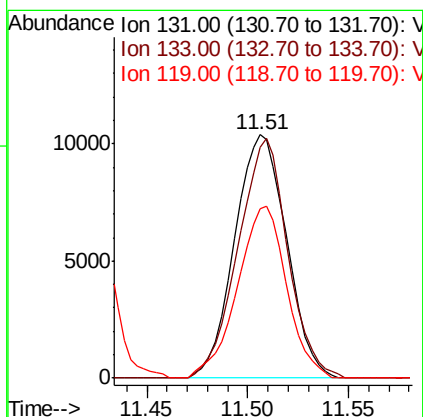
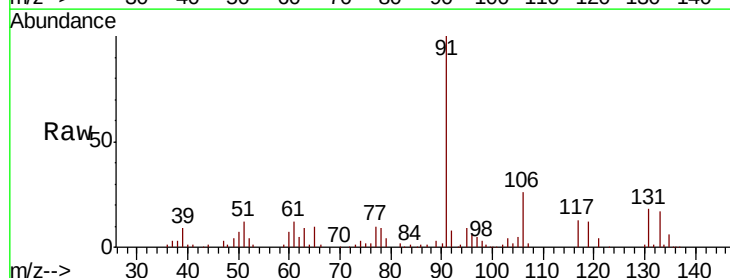
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

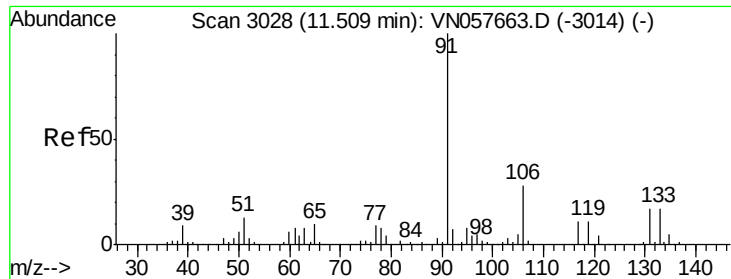
Tgt Ion:112 Resp: 54818
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#65
1,1,1,2-Tetrachloroethane
Concen: 4.602 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion:131 Resp: 18770
Ion Ratio Lower Upper
131 100
133 93.9 0.0 198.0
119 66.7 0.0 129.8

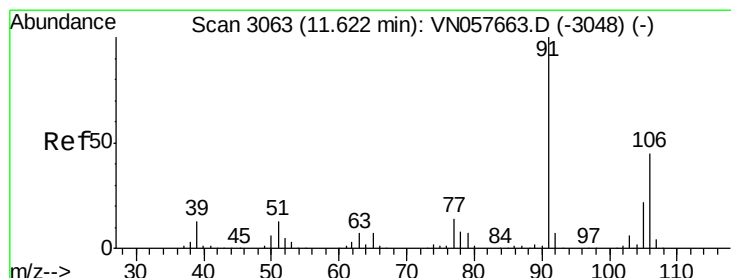
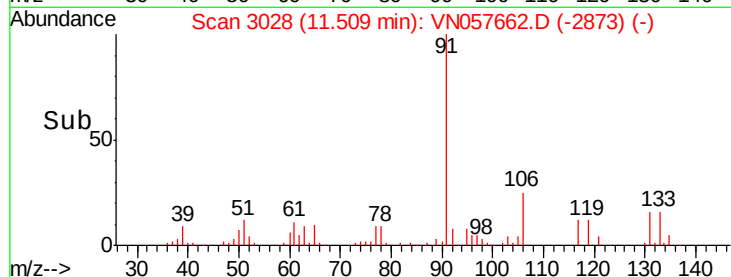
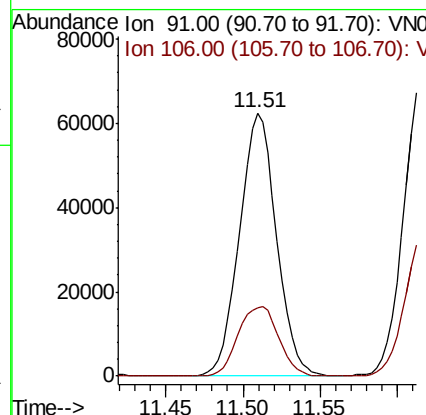
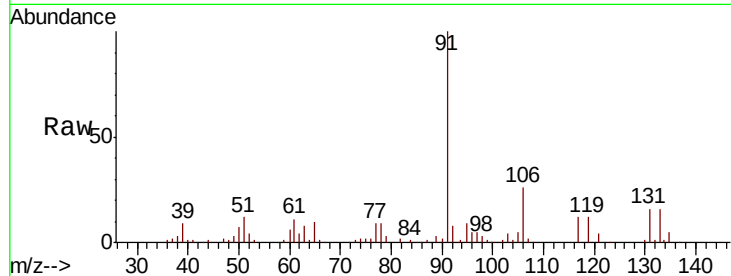




#66
Ethyl Benzene
Concen: 5.856 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

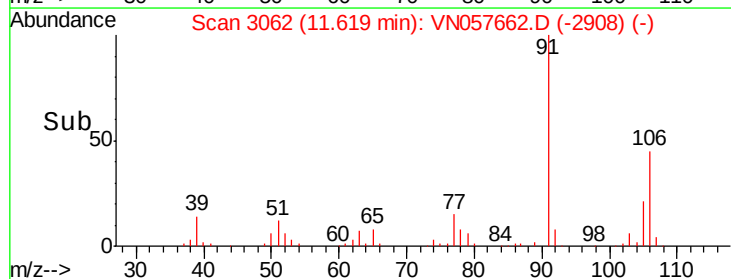
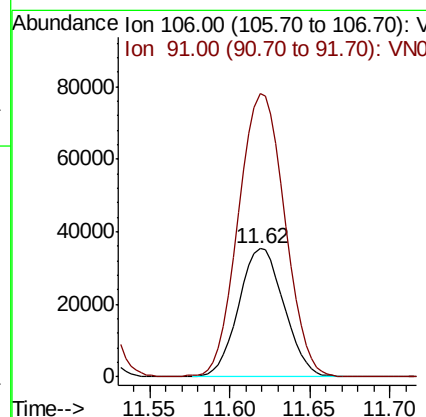
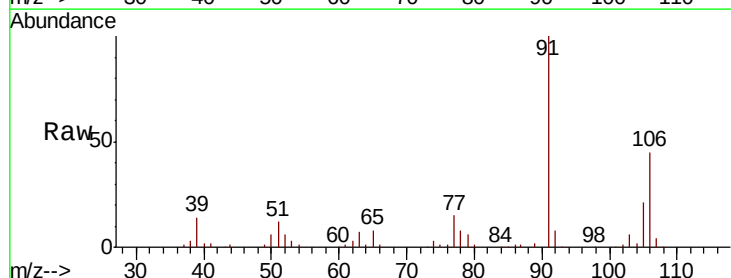
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

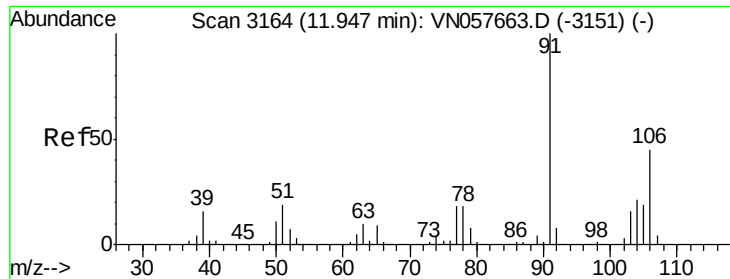
Tgt Ion: 91 Resp: 103655
Ion Ratio Lower Upper
91 100
106 26.0 22.7 34.1



#67
m/p-Xylenes
Concen: 9.902 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 106 Resp: 68586
Ion Ratio Lower Upper
106 100
91 225.9 178.9 268.3

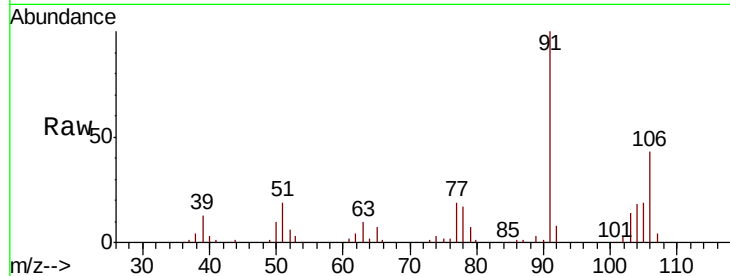




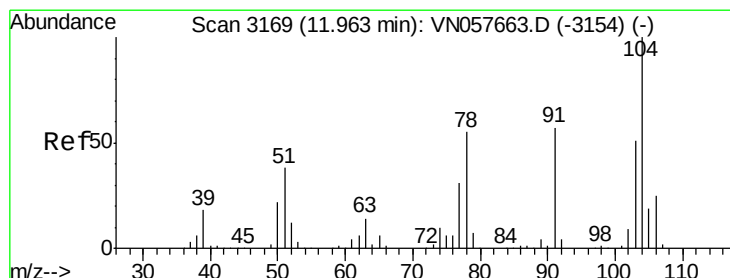
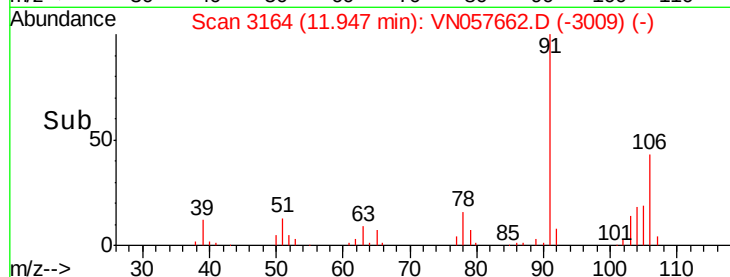
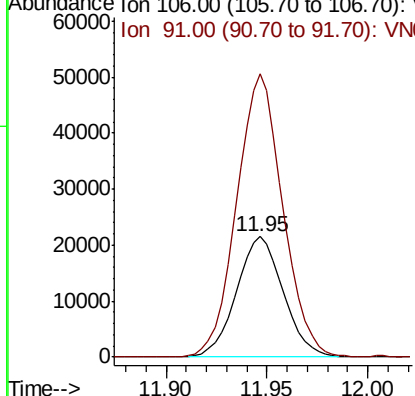
#68
o-Xylene
Concen: 5.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 34889
Ion Ratio Lower Upper
106 100
91 231.5 114.0 342.0

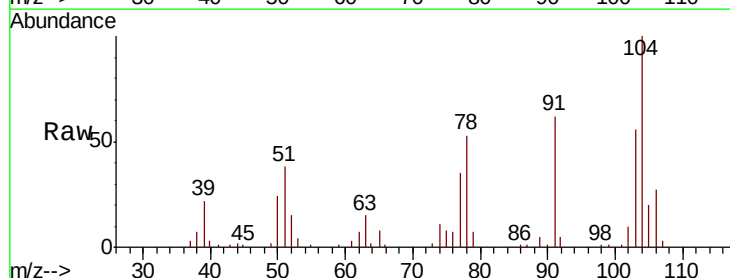


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

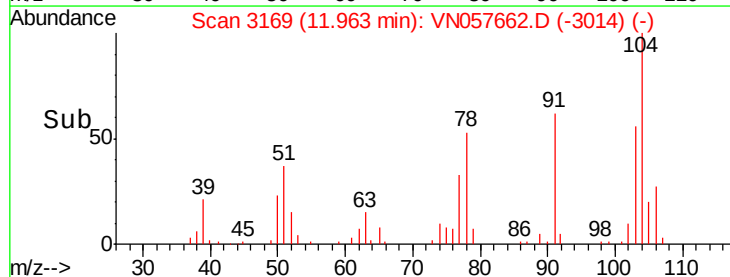
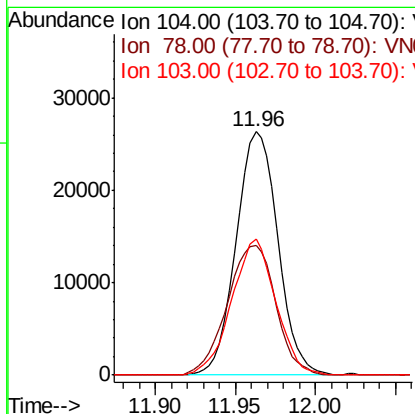


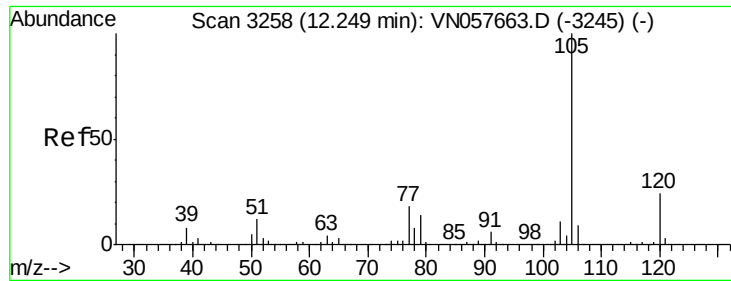
#69
Styrene
Concen: 4.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion:104 Resp: 46878
Ion Ratio Lower Upper
104 100
78 61.8 49.0 73.6
103 59.0 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#70

Isopropylbenzene

Concen: 5.436 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

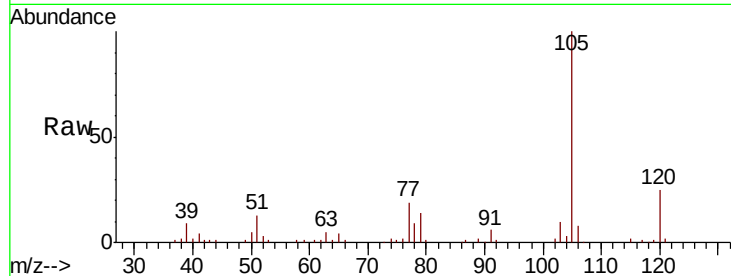
VSTDIC005

Tgt Ion:105 Resp: 95208

Ion Ratio Lower Upper

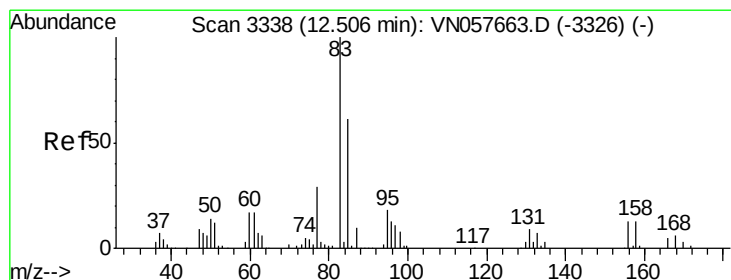
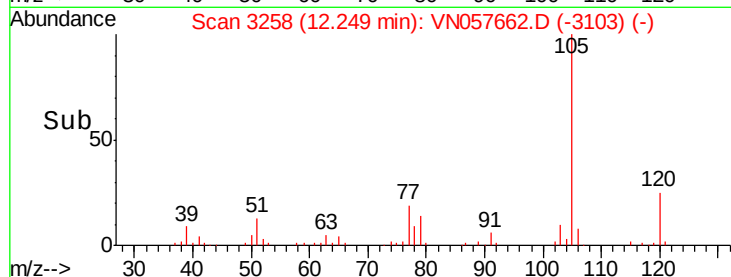
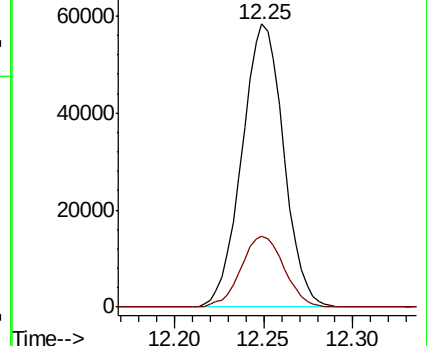
105 100

120 0.0 17.2 32.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 5.027 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

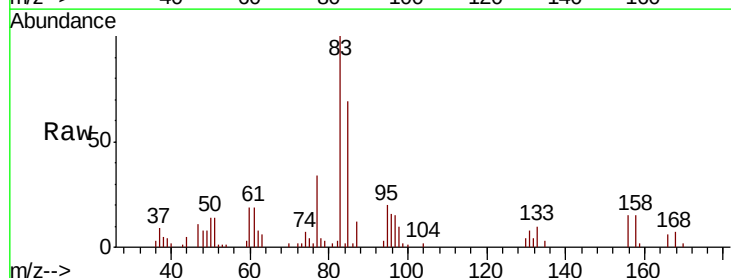
Tgt Ion: 83 Resp: 23809

Ion Ratio Lower Upper

83 100

131 7.0 5.0 14.9

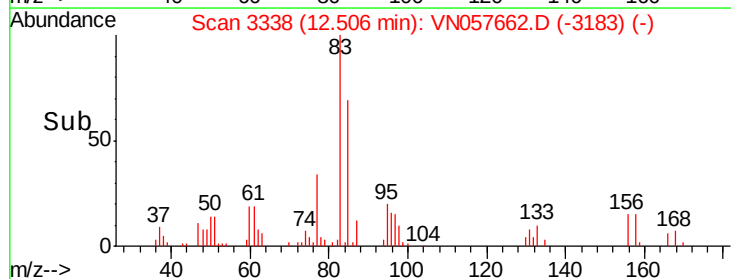
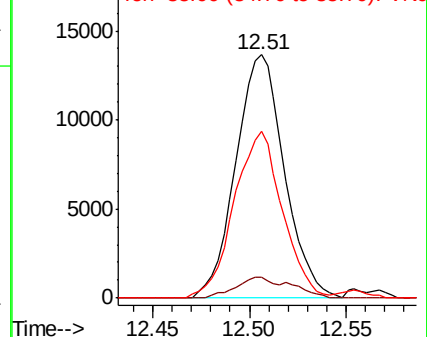
85 68.1 31.7 95.1

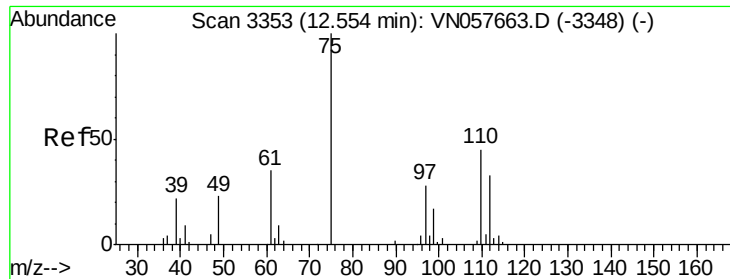


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VNO

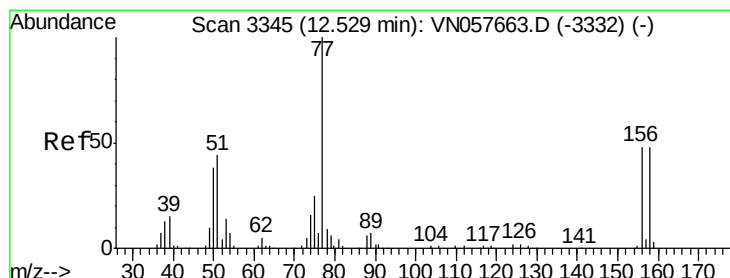
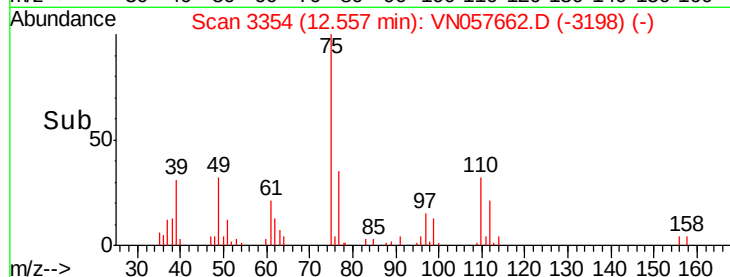
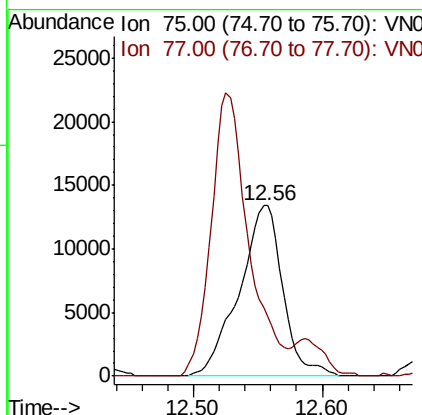
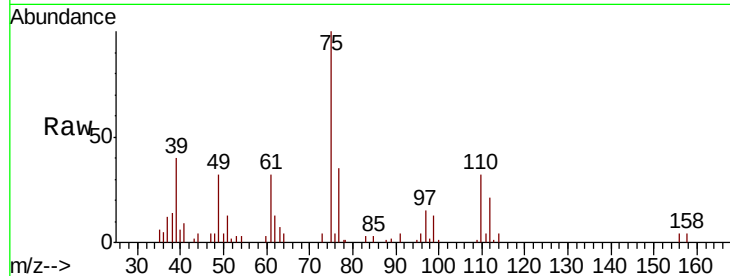




#72
 1,2,3-Trichloropropane
 Concen: 7.782 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

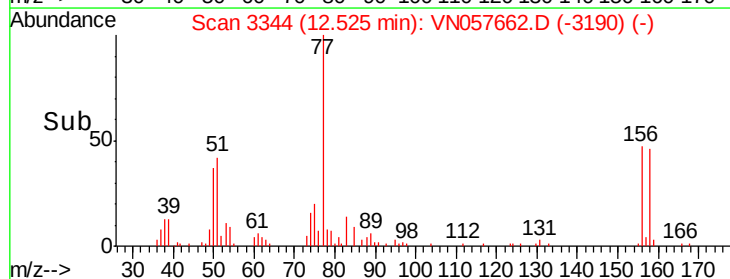
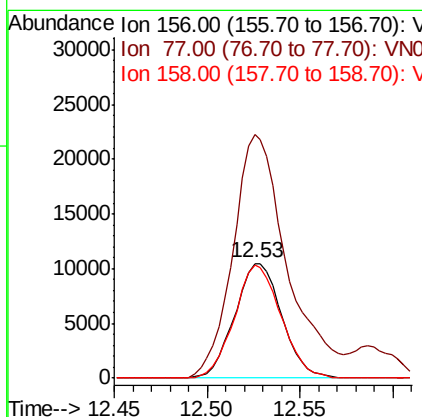
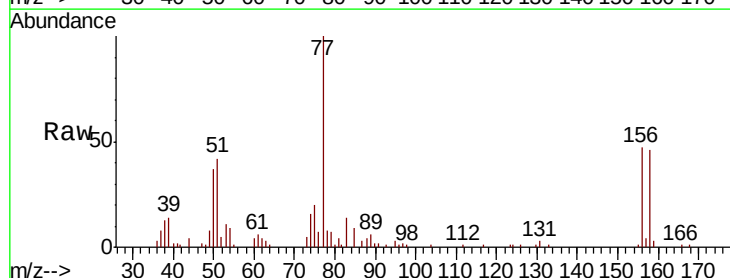
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

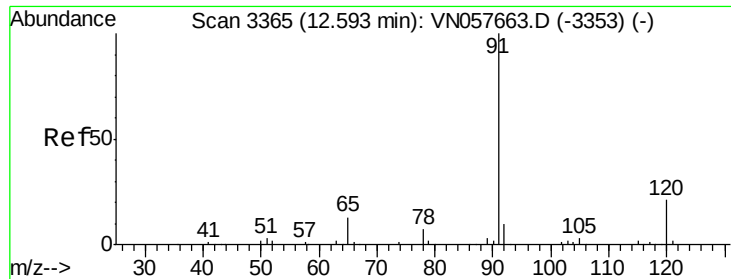
Tgt Ion: 75 Resp: 31650
 Ion Ratio Lower Upper
 75 100
 77 13.7 0.0 405.6



#73
 Bromobenzene
 Concen: 4.233 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 156 Resp: 18542
 Ion Ratio Lower Upper
 156 100
 77 244.3 0.0 495.6
 158 97.3 0.0 197.8





#74

n-propylbenzene

Concen: 5.763 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

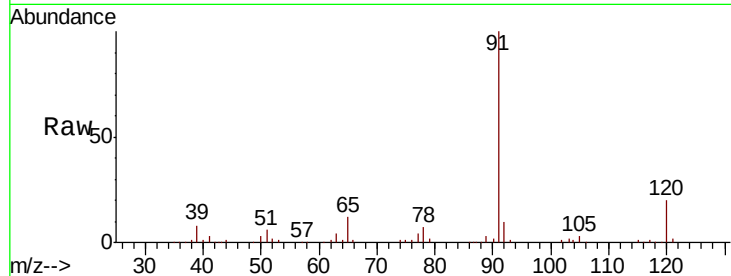
VSTDIC005

Tgt Ion: 91 Resp: 104579

Ion Ratio Lower Upper

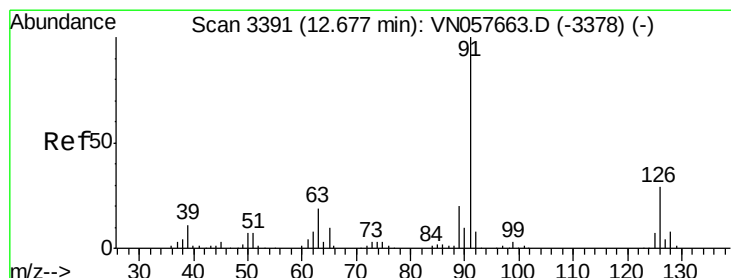
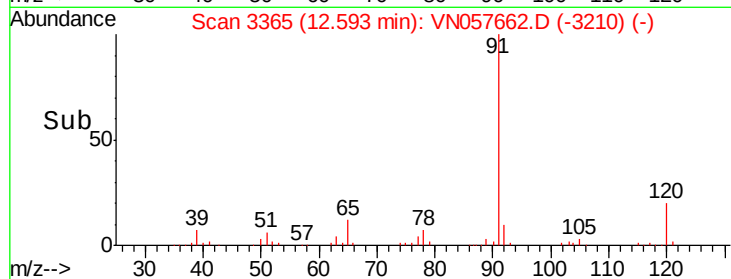
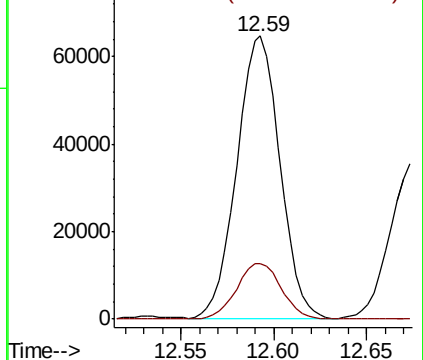
91 100

120 20.3 0.0 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 5.262 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057662.D

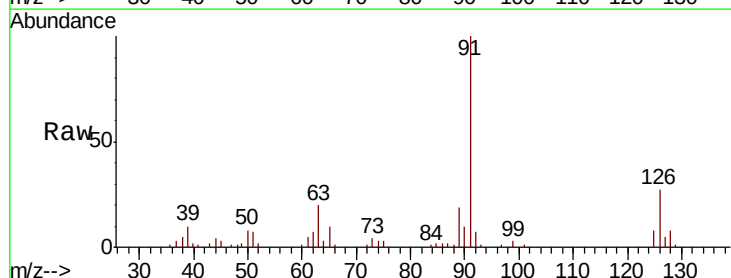
Acq: 3 Sep 2019 14:44

Tgt Ion: 91 Resp: 62174

Ion Ratio Lower Upper

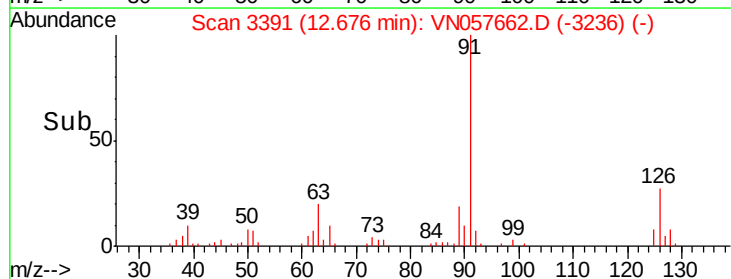
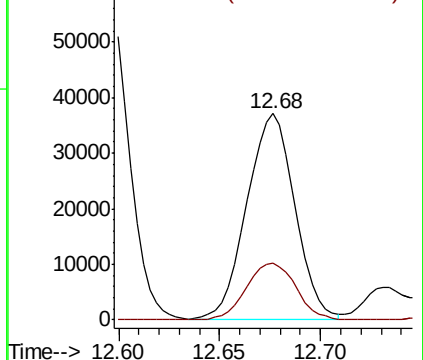
91 100

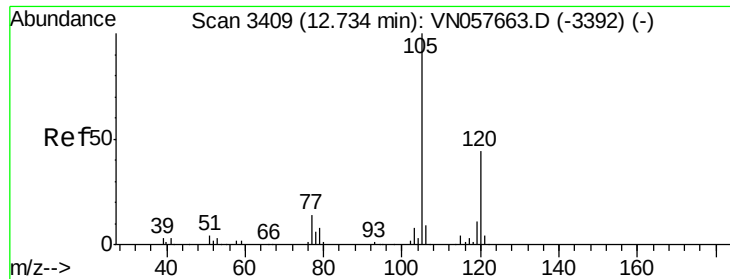
126 28.3 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

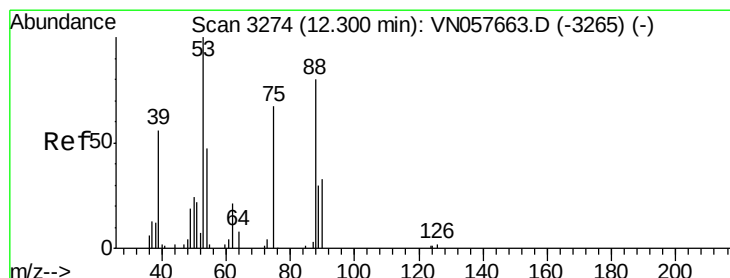
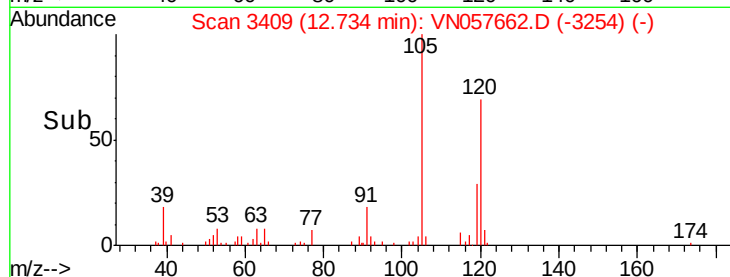
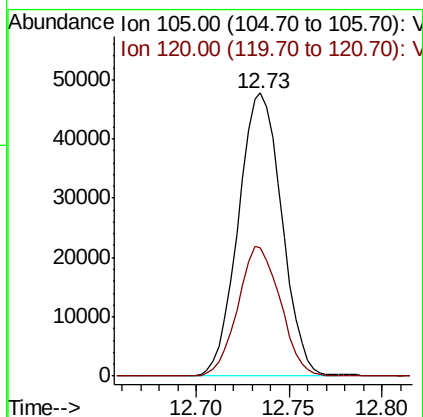
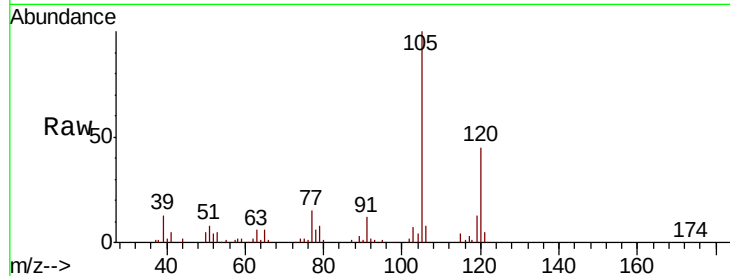




#76
 1,3,5-Trimethylbenzene
 Concen: 5.319 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

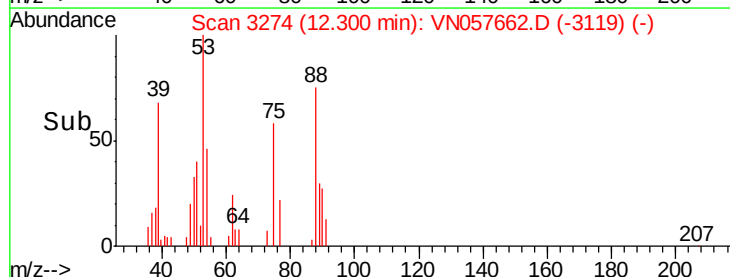
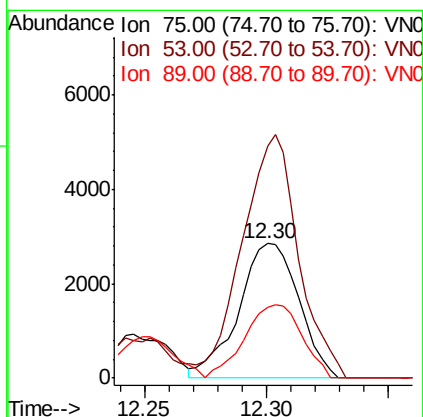
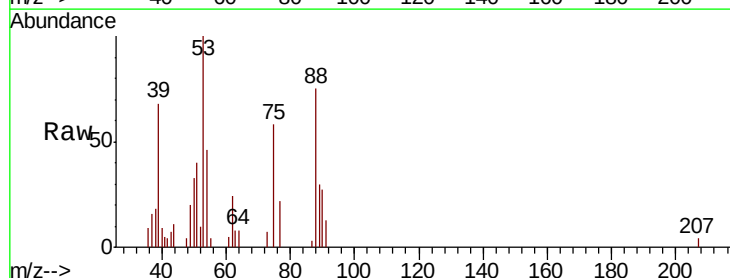
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

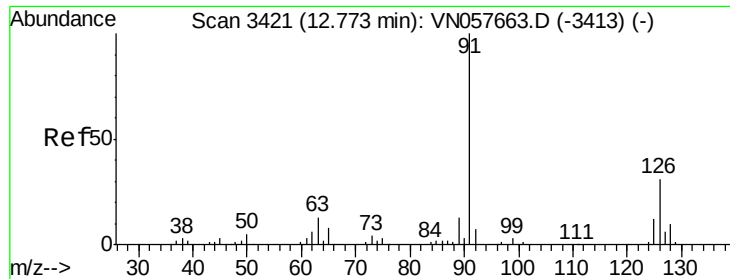
Tgt Ion: 105 Resp: 78175
 Ion Ratio Lower Upper
 105 100
 120 44.5 0.0 91.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 3.783 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 75 Resp: 4880
 Ion Ratio Lower Upper
 75 100
 53 162.2 74.2 222.6
 89 52.6 23.3 69.9

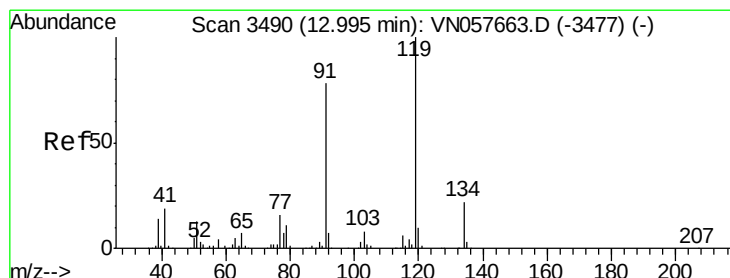
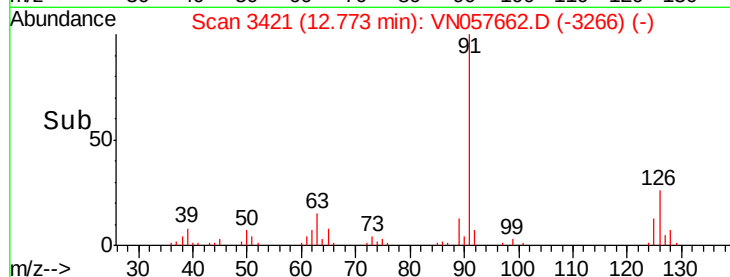
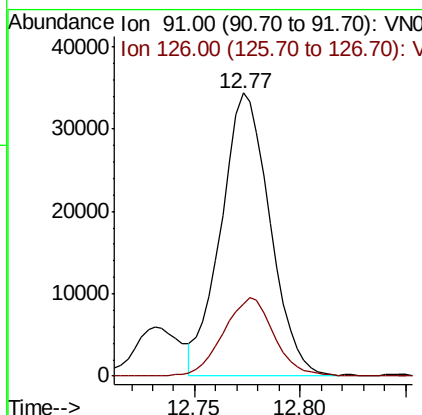
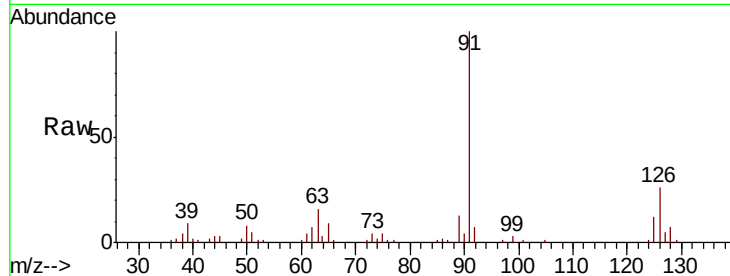




#78
4-Chlorotoluene
Concen: 4.955 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

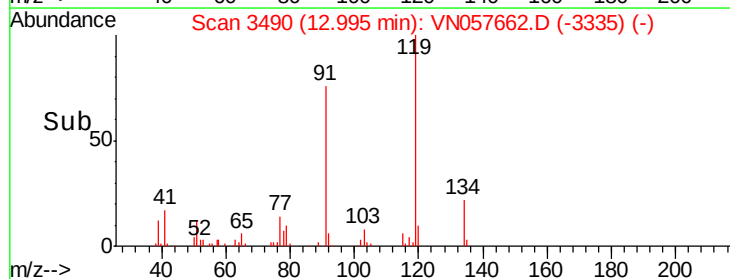
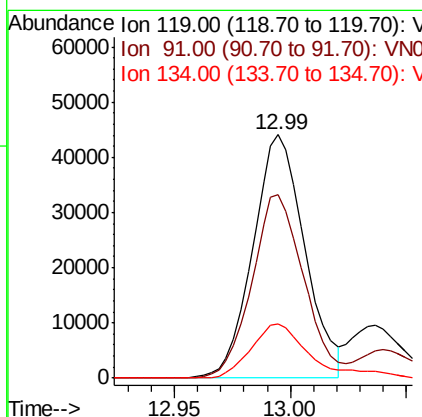
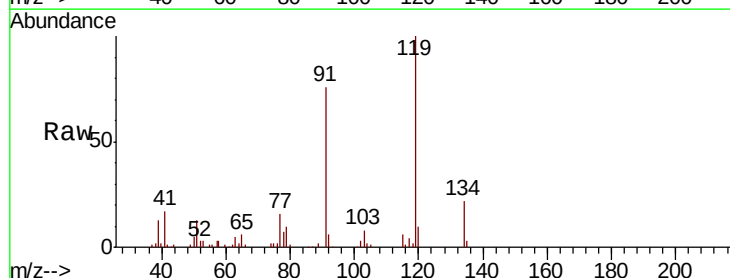
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

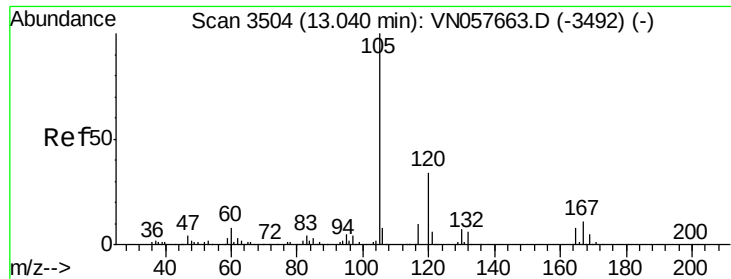
Tgt Ion: 91 Resp: 55450
Ion Ratio Lower Upper
91 100
126 28.6 0.0 57.8



#79
tert-butylbenzene
Concen: 5.116 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 119 Resp: 68321
Ion Ratio Lower Upper
119 100
91 75.7 0.0 155.6
134 25.8 0.0 48.2

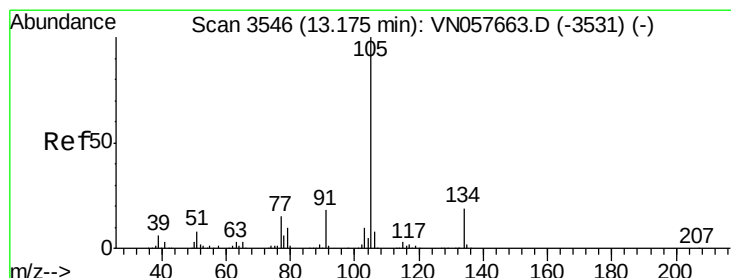
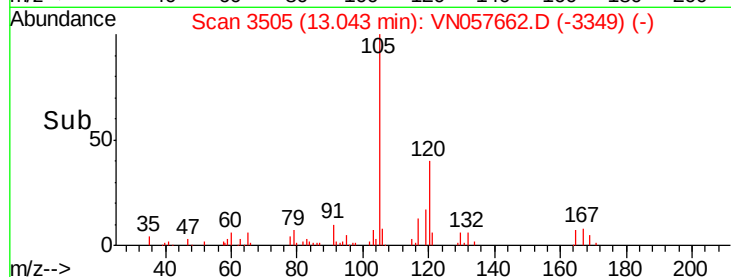
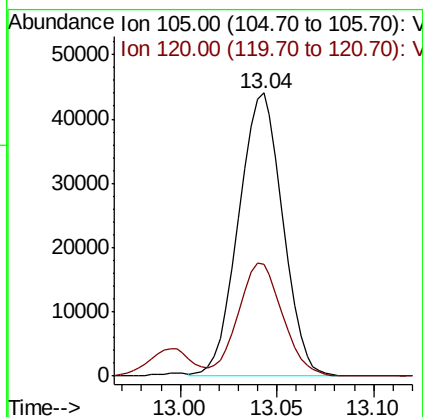
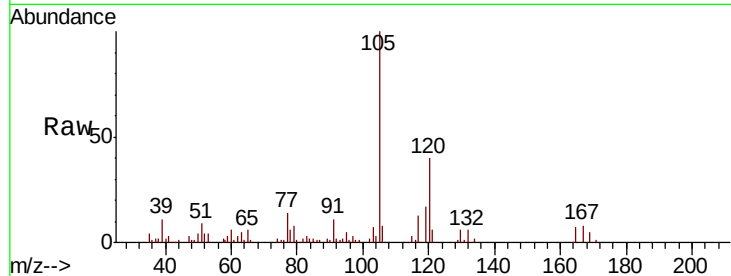




#80
 1,2,4-Trimethylbenzene
 Concen: 5.084 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

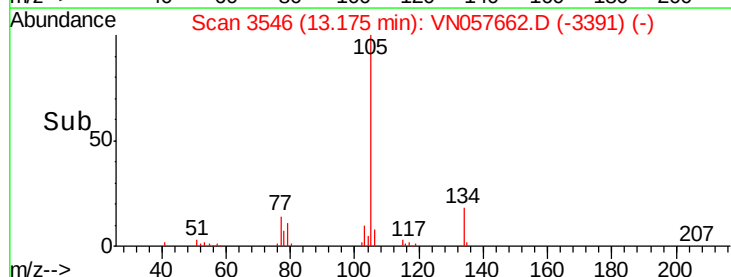
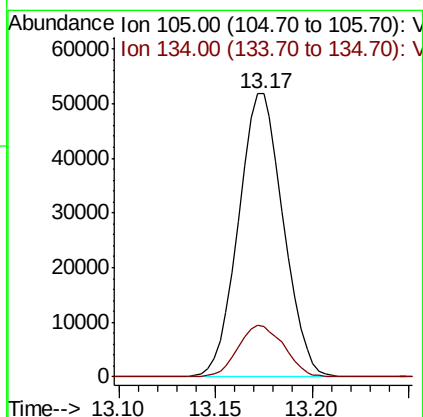
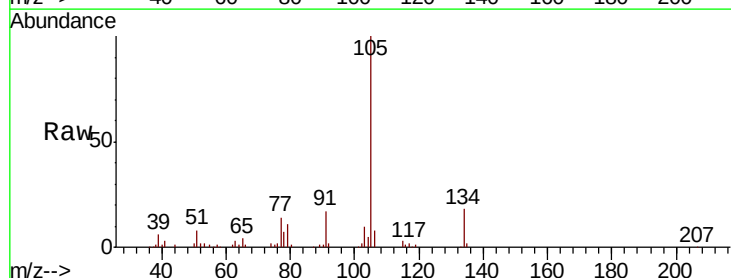
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

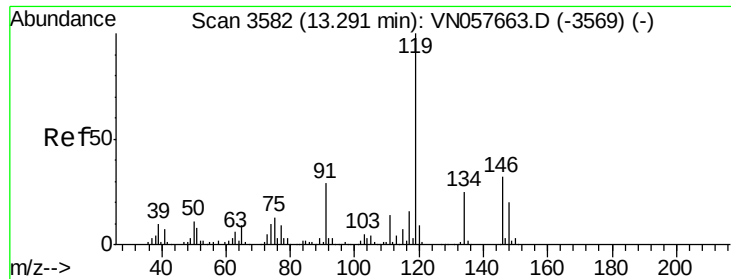
Tgt Ion:105 Resp: 69989
 Ion Ratio Lower Upper
 105 100
 120 39.6 0.0 83.4



#81
 sec-Butylbenzene
 Concen: 5.144 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion:105 Resp: 83562
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 36.2

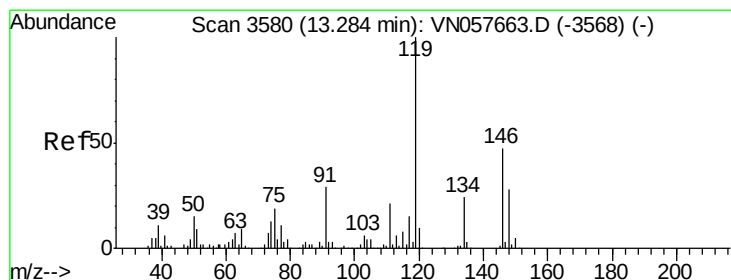
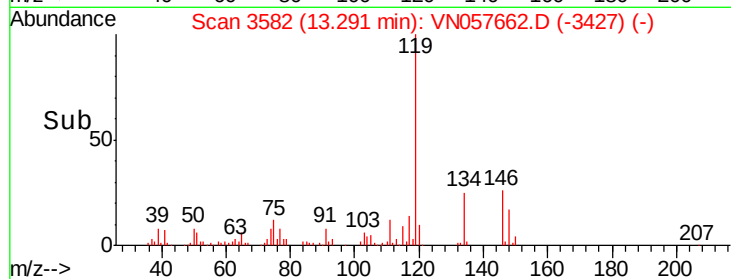
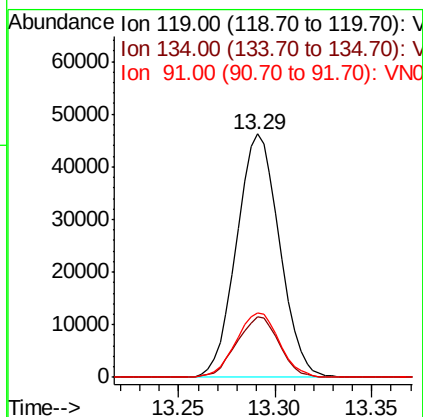
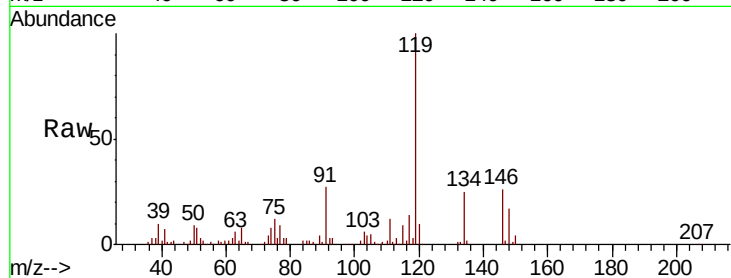




#82
 p-Isopropyltoluene
 Concen: 5.003 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

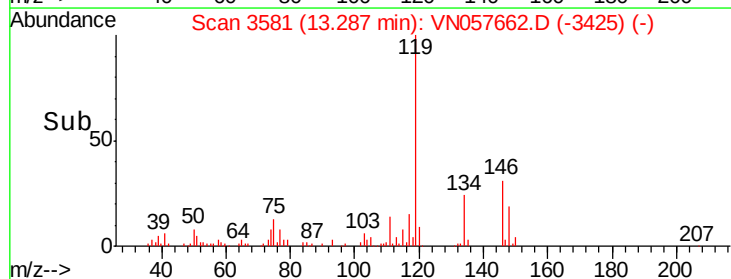
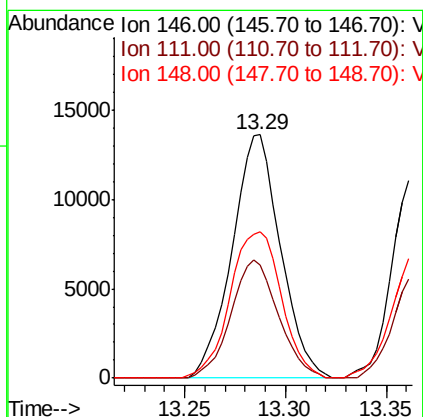
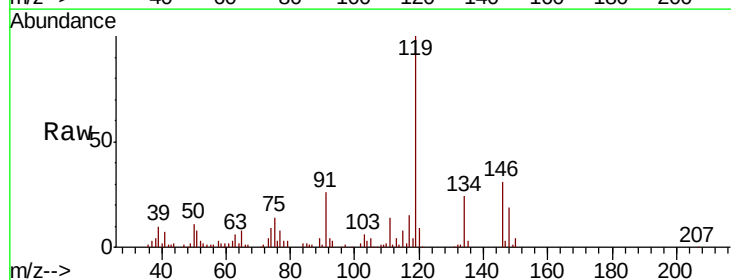
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

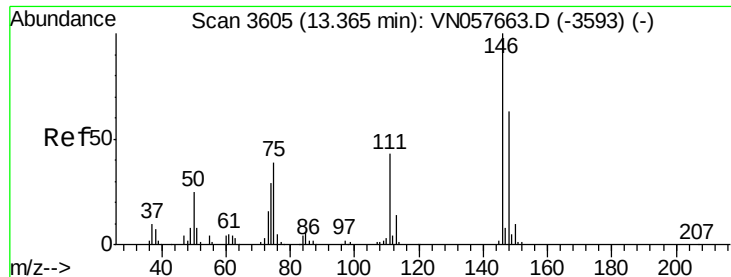
Tgt Ion:119 Resp: 71418
 Ion Ratio Lower Upper
 119 100
 134 24.6 0.0 49.6
 91 26.8 0.0 56.2



#83
 1,3-Dichlorobenzene
 Concen: 3.272 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion:146 Resp: 22906
 Ion Ratio Lower Upper
 146 100
 111 47.4 22.1 66.3
 148 63.8 31.3 93.9

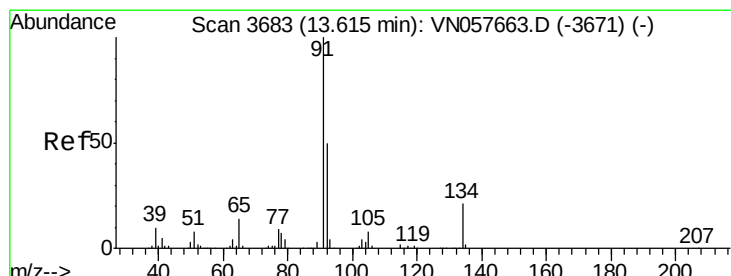
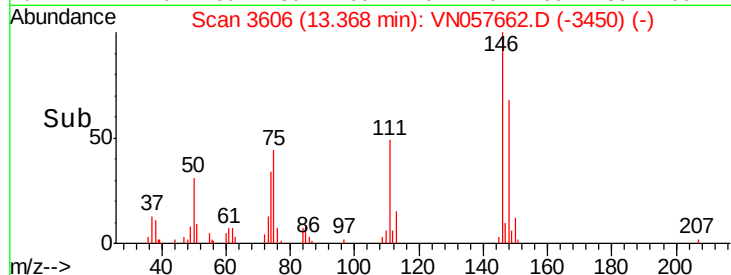
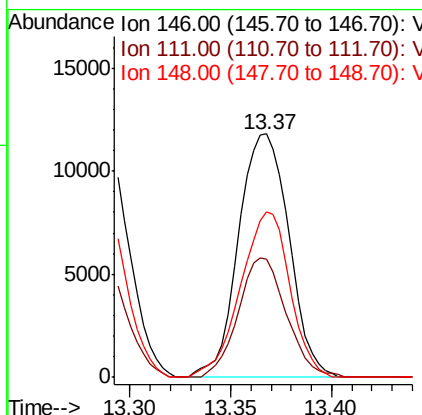
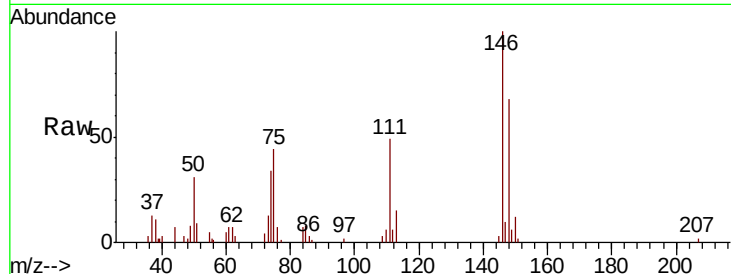




#84
 1,4-Dichlorobenzene
 Concen: 3.095 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

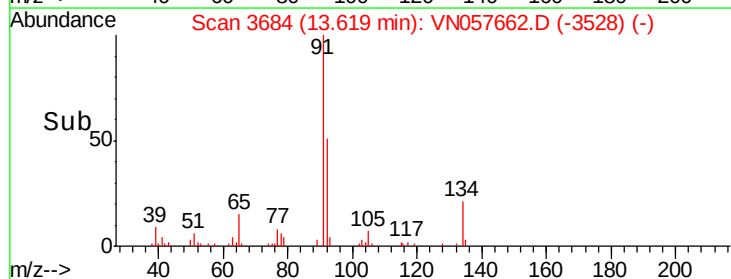
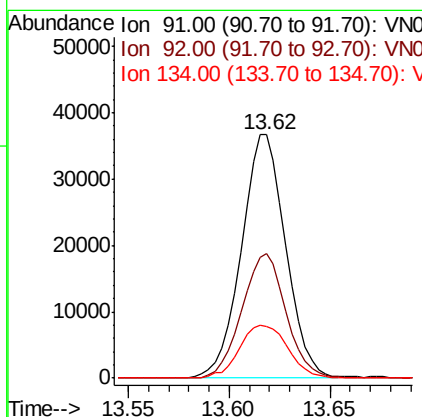
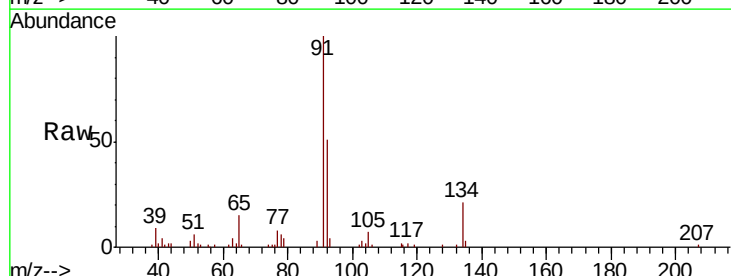
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

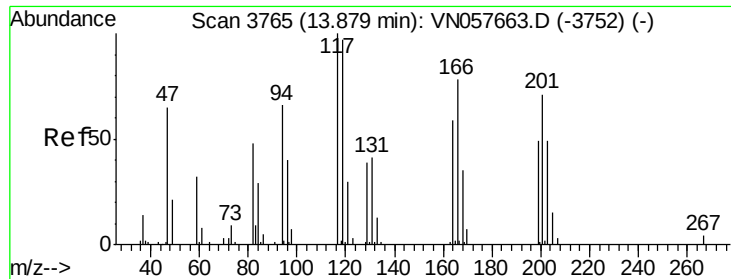
Tgt Ion: 146 Resp: 20702
 Ion Ratio Lower Upper
 146 100
 111 46.9 21.3 63.9
 148 66.4 31.0 93.0



#85
 n-Butylbenzene
 Concen: 4.869 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 91 Resp: 56358
 Ion Ratio Lower Upper
 91 100
 92 50.8 0.0 100.2
 134 23.6 0.0 43.8





#86

Hexachloroethane

Concen: 3.985 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

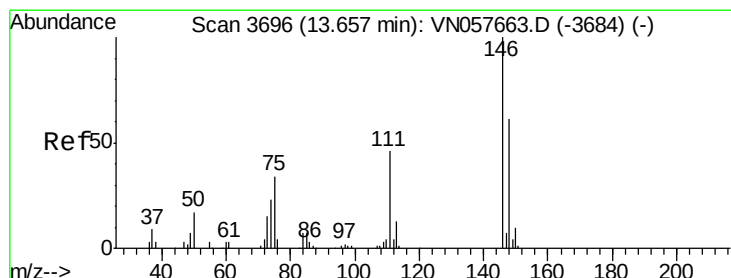
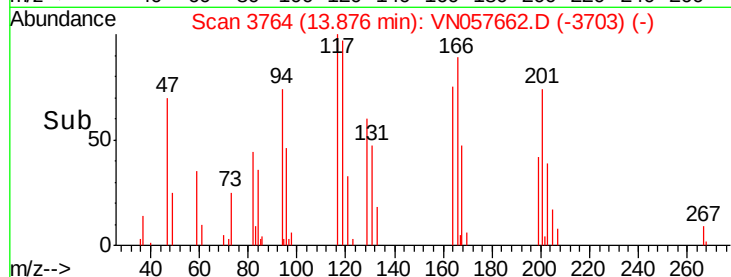
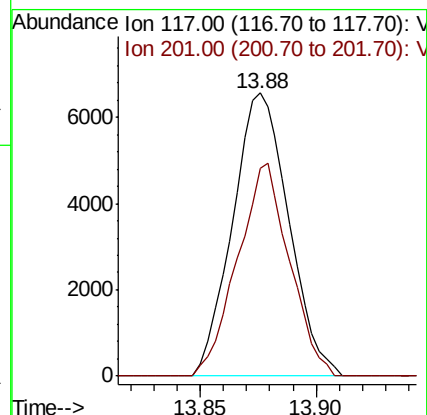
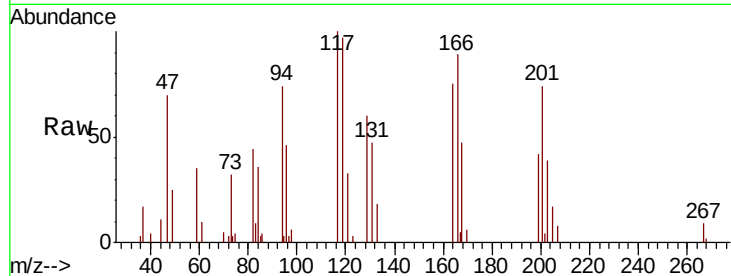
VSTDIC005

Tgt Ion:117 Resp: 11036

Ion Ratio Lower Upper

117 100

201 69.6 34.1 102.2



#87

1,2-Dichlorobenzene

Concen: 3.116 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

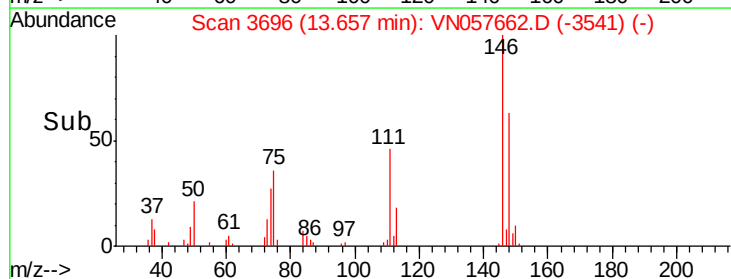
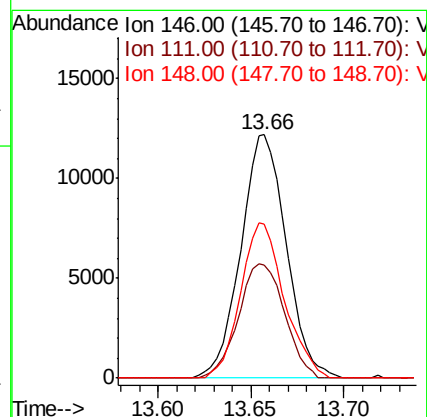
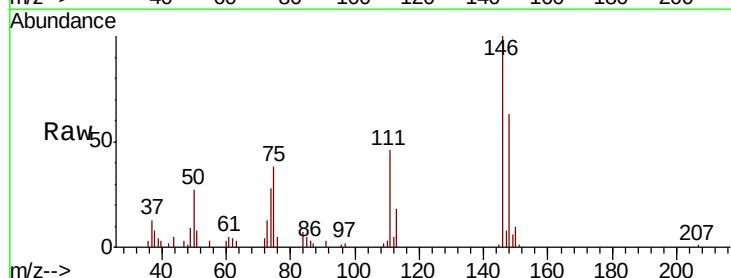
Tgt Ion:146 Resp: 20712

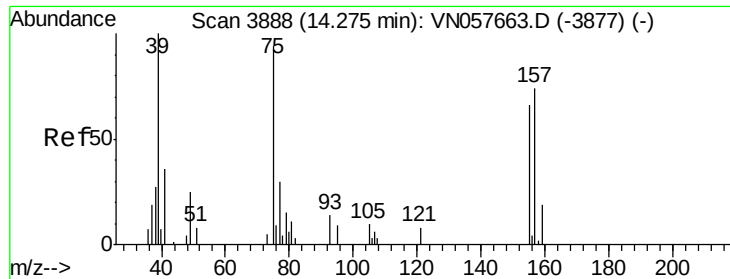
Ion Ratio Lower Upper

146 100

111 47.6 22.6 67.7

148 61.2 31.3 93.9

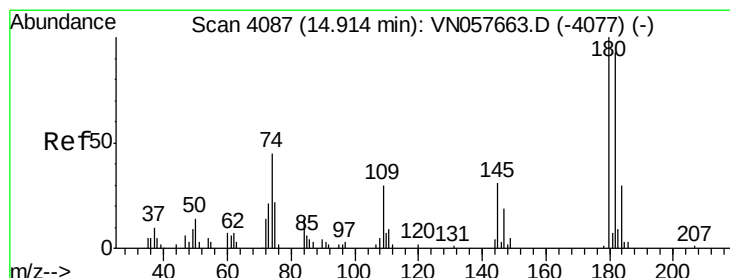
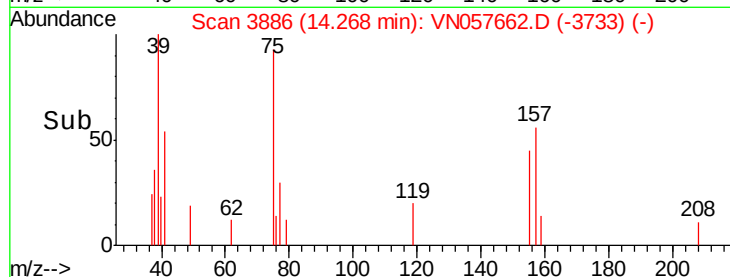
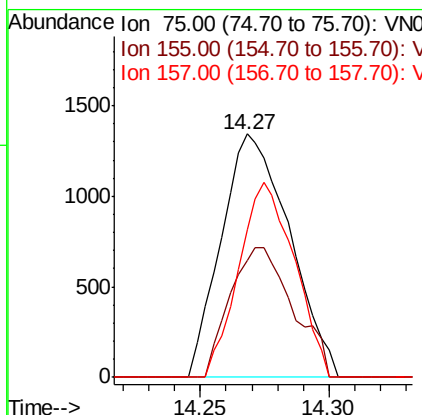
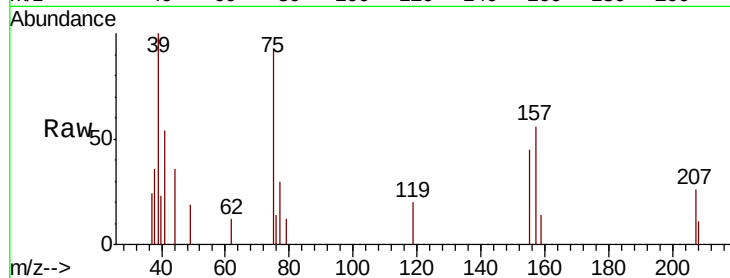




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.648 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

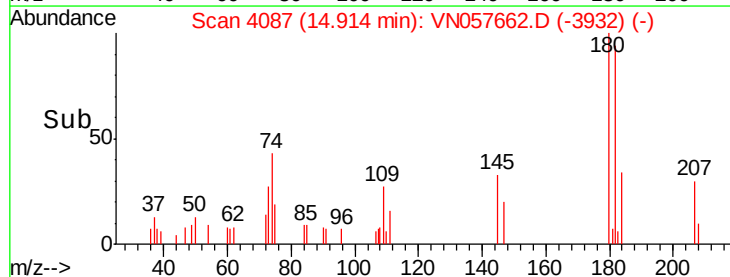
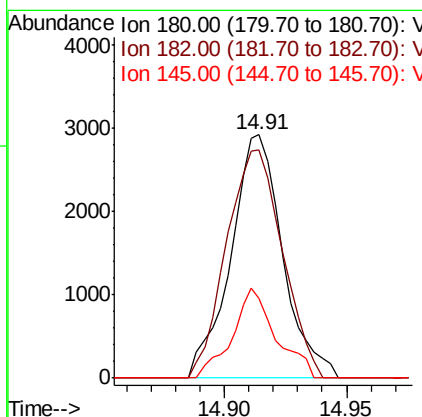
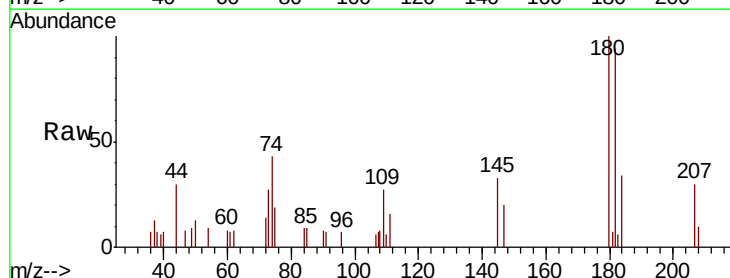
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

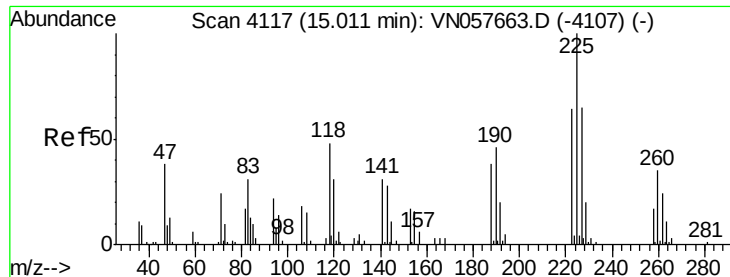
Tgt Ion: 75 Resp: 2475
 Ion Ratio Lower Upper
 75 100
 155 49.3 54.6 82.0#
 157 65.4 65.5 98.3#



#89
 1,2,4-Trichlorobenzene
 Concen: 1.774 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 180 Resp: 4308
 Ion Ratio Lower Upper
 180 100
 182 101.2 77.4 116.2
 145 30.9 25.1 37.7





#90

Hexachlorobutadiene

Concen: 4.464 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

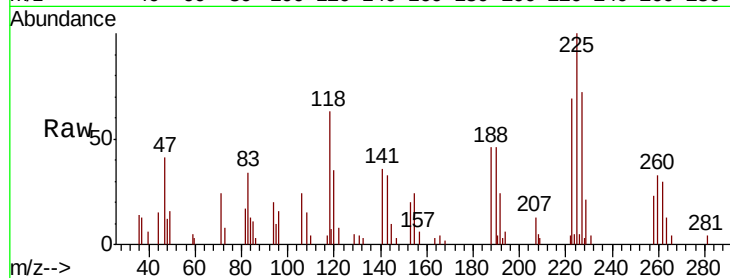
Tgt Ion:225 Resp: 9860

Ion Ratio Lower Upper

225 100

223 70.5 0.0 131.0

227 67.3 0.0 128.6

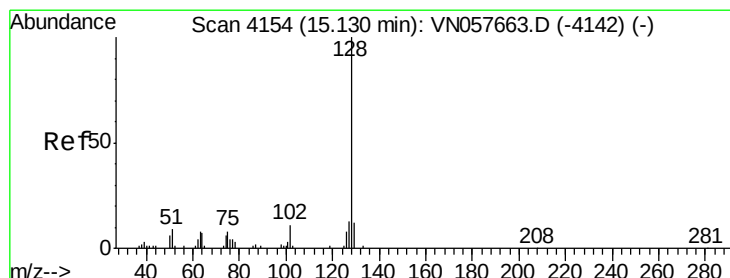
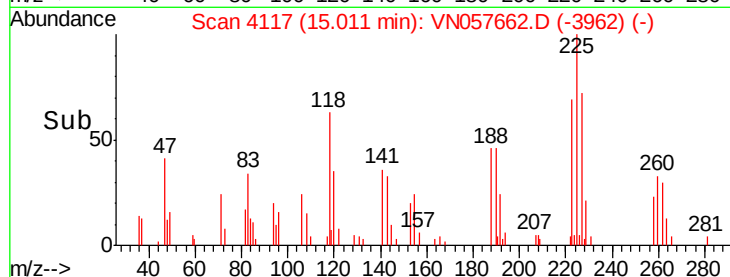
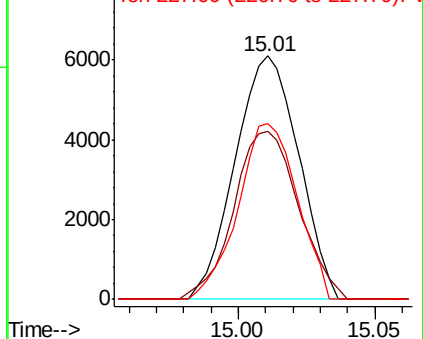


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 1.548 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

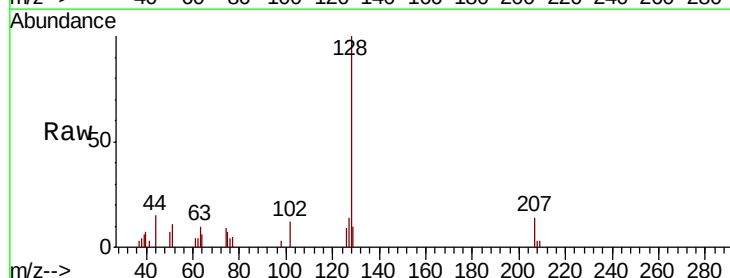
Tgt Ion:128 Resp: 10249

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 5.5 9.1 13.7#

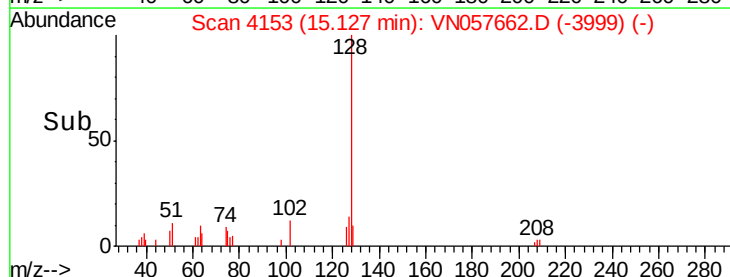
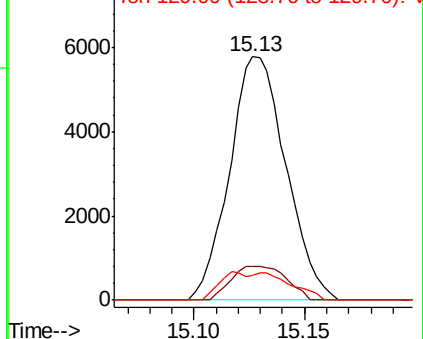


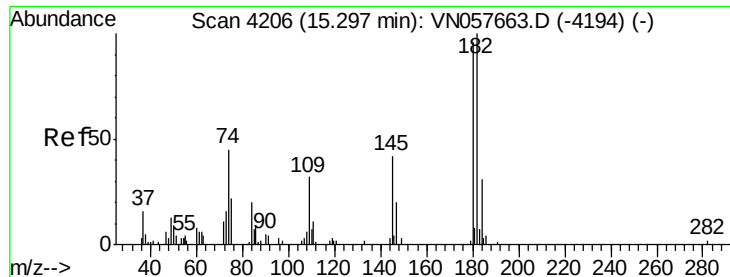
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 1.827 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	4380		
180	100		
182	91.9	0.0	199.4
145	23.3	0.0	73.2

