

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057470.D
 Acq On : 23 Aug 2019 13:24
 Operator : JC/SP
 Sample : VN0823WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Quant Time: Aug 23 23:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67546	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	380005	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	321737	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	195968	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.40	95	151026	28.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.90%
63) Toluene-d8	10.09	98	489398	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	72171	20.424	ug/l 99
3) Chloromethane	2.05	50	113885	21.462	ug/l 100
4) Vinyl Chloride	2.17	62	143525	21.291	ug/l 99
5) Bromomethane	2.55	94	90874	20.838	ug/l 99
6) Chloroethane	2.69	64	92663	20.521	ug/l 96
7) Trichlorofluoromethane	3.00	101	230871	21.532	ug/l 94
8) Diethyl Ether	3.39	74	86158	20.917	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	114893	19.025	ug/l 100
10) 1,1-Dichloroethene	3.71	96	123042	21.104	ug/l 96
11) Methyl Iodide	3.92	142	90716	17.310	ug/l 100
12) Methyl Acetate	4.30	43	120038	20.438	ug/l 94
13) Acrolein	3.58	56	75596	101.208	ug/l 99
14) Acrylonitrile	4.96	53	214905	105.328	ug/l 99
15) Acetone	3.80	58	54968	57.590	ug/l 97
16) Carbon Disulfide	4.02	76	213689	20.577	ug/l 99
17) Allyl chloride	4.29	41	162036	20.372	ug/l 98
18) Methylene Chloride	4.52	84	89081	20.834	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	80694	20.042	ug/l 98
20) Diisopropyl ether	5.93	45	355548	20.938	ug/l 96
21) 1,1-Dichloroethane	5.82	63	184178	20.873	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	98996	20.215	ug/l 99
23) tert-Butyl Alcohol	4.79	59	78145	105.436	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	280330	20.811	ug/l 99
25) Chloroform	7.36	83	176979	20.202	ug/l 99
26) Cyclohexane	7.63	56	159212	20.263	ug/l # 99
29) 1,1-Dichloropropene	7.77	75	131077	20.296	ug/l 98
30) 2-Butanone	6.82	43	322596	103.894	ug/l 99
31) 2,2-Dichloropropane	6.80	77	155821	21.117	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	151437	20.512	ug/l 98
33) Carbon Tetrachloride	7.75	117	124605	20.325	ug/l 99
34) Benzene	8.03	78	389371	20.502	ug/l 99
35) Methacrylonitrile	7.16	41	64169	20.420	ug/l 94
36) 1,2-Dichloroethane	8.11	62	152801	20.524	ug/l # 88
37) Trichloroethene	8.82	130	88111	20.335	ug/l 94
38) Methylcyclohexane	9.07	83	143774	19.834	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112458	20.825	ug/l 99
40) Dibromomethane	9.20	93	69003	20.908	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.39	83	140072	20.012	ug/l #	99
42) Vinyl Acetate	5.87	43	1438052	103.492	ug/l	100
44) Isopropyl Acetate	8.16	43	239181	20.731	ug/l #	92
45) 1,4-Dioxane	9.19	88	13163	189.806	ug/l #	5
46) Methyl methacrylate	9.19	41	114855	20.962	ug/l	98
47) n-amyl Acetate	12.07	43	185773	20.006	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	146143	19.764	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	161730	19.900	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	88020	20.339	ug/l	97
51) Ethyl methacrylate	10.43	69	143042	19.884	ug/l	99
52) 1,3-Dichloropropane	10.70	76	158967	20.148	ug/l	99
53) Dibromochloromethane	10.90	129	91580	19.851	ug/l	99
54) 1,2-Dibromoethane	11.00	107	88129	19.903	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	165146	93.130	ug/l	98
56) Bromoform	12.13	173	52661	19.126	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	680153	107.760	ug/l	100
59) 2-Hexanone	10.75	43	462012	105.606	ug/l	99
61) Tetrachloroethene	10.63	164	75924	20.577	ug/l	94
62) Toluene	10.15	91	400693	20.377	ug/l	99
64) Chlorobenzene	11.43	112	216935	20.293	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.50	131	82444	20.293	ug/l	98
66) Ethyl Benzene	11.51	91	427134	20.297	ug/l	99
67) m/p-Xylenes	11.62	106	293530	40.214	ug/l	100
68) o-Xylene	11.95	106	148861	20.637	ug/l	99
69) Styrene	11.96	104	228495	19.829	ug/l	99
70) Isopropylbenzene	12.25	105	392616	20.346	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	119013	21.327	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	149248	29.462	ug/l	63
73) Bromobenzene	12.53	156	77967	19.961	ug/l	97
74) n-propylbenzene	12.59	91	438384	19.923	ug/l	99
75) 2-Chlorotoluene	12.68	91	259310	20.010	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	318535	20.114	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36409	20.042	ug/l	91
78) 4-Chlorotoluene	12.77	91	238494	19.478	ug/l	98
79) tert-butylbenzene	12.99	119	270616	20.082	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	293201	19.859	ug/l	98
81) sec-Butylbenzene	13.17	105	353905	19.930	ug/l	99
82) p-Isopropyltoluene	13.29	119	292399	19.586	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	113838	18.722	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109141	18.451	ug/l	99
85) n-Butylbenzene	13.62	91	239640	18.412	ug/l	98
86) Hexachloroethane	13.88	117	61655	20.468	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	114087	19.105	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18333	19.576	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	31729	14.181	ug/l	97
90) Hexachlorobutadiene	15.01	225	35390	20.572	ug/l	97
91) Naphthalene	15.13	128	108562	19.806	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	31452	14.056	ug/l	94

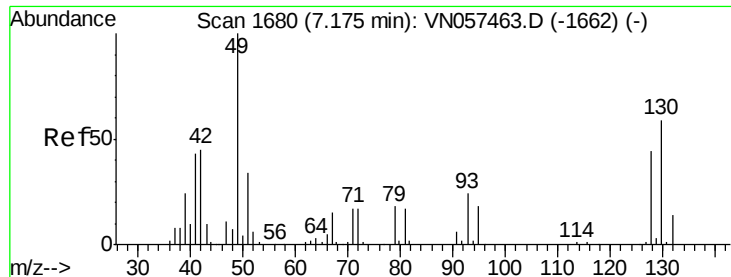
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

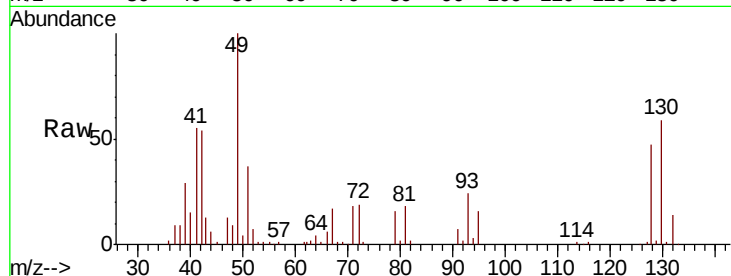
Tgt Ion:128 Resp: 67546

Ion Ratio Lower Upper

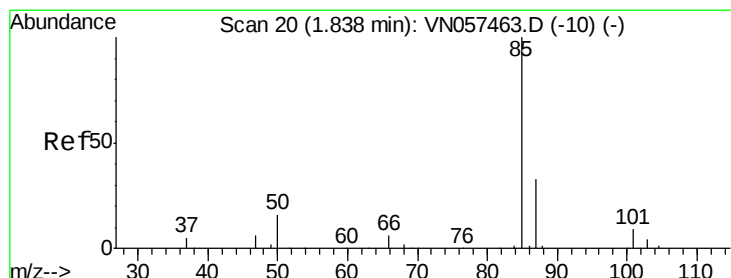
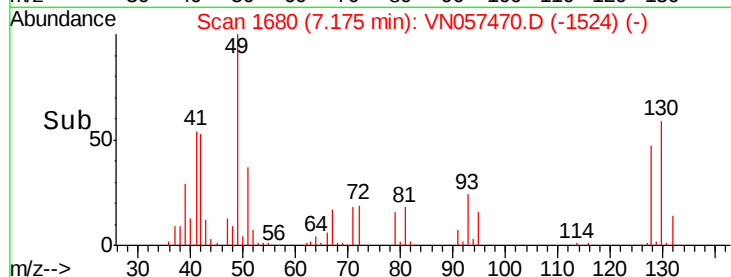
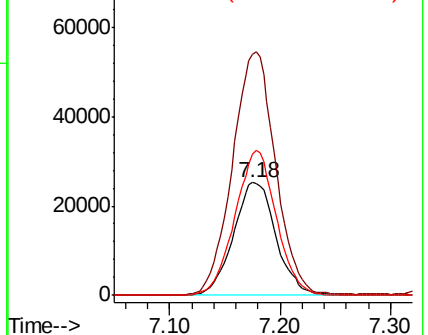
128 100

49 218.0 0.0 560.5

130 124.2 0.0 317.3



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



#2

Dichlorodifluoromethane

Concen: 20.424 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057470.D

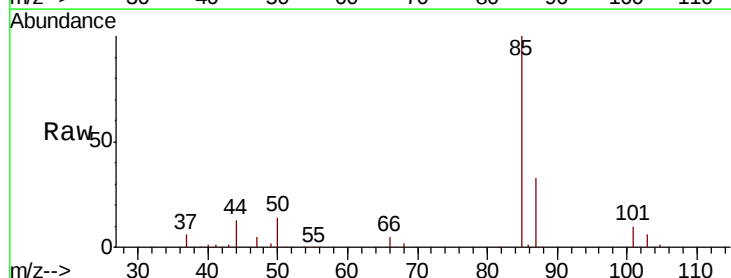
Acq: 23 Aug 2019 13:24

Tgt Ion: 85 Resp: 72171

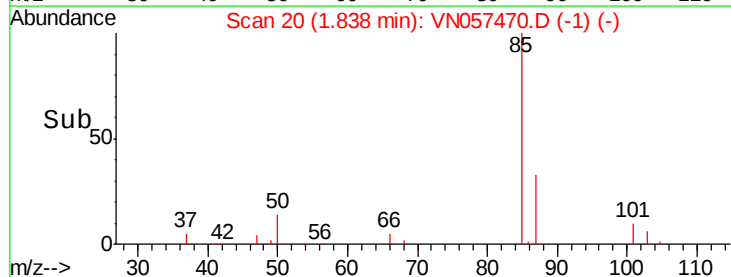
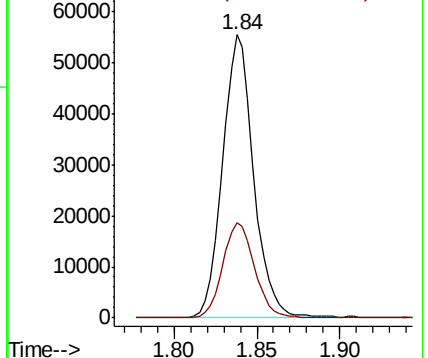
Ion Ratio Lower Upper

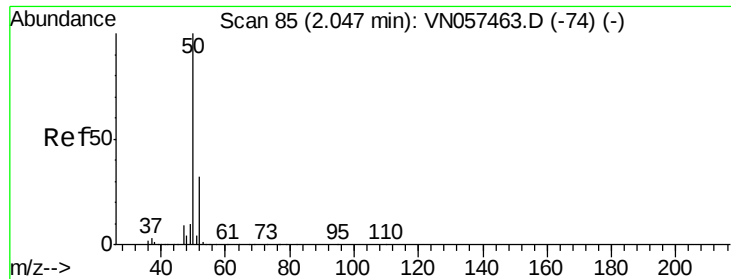
85 100

87 33.5 16.4 49.1



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





#3

Chloromethane

Concen: 21.462 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

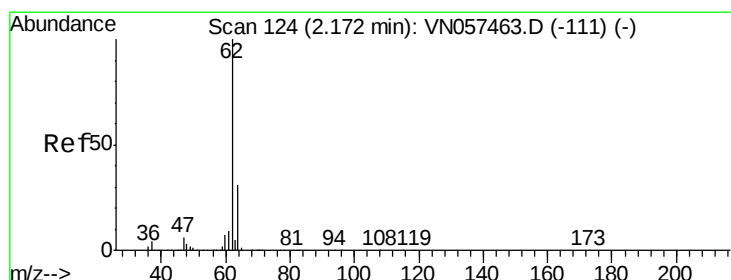
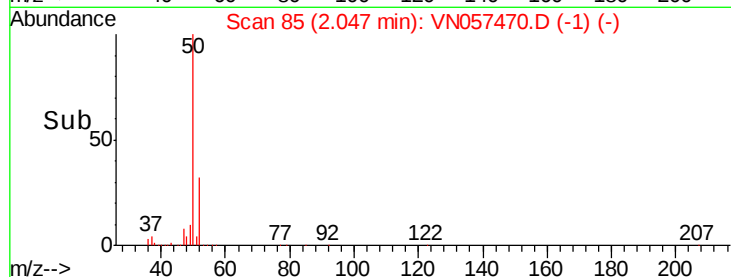
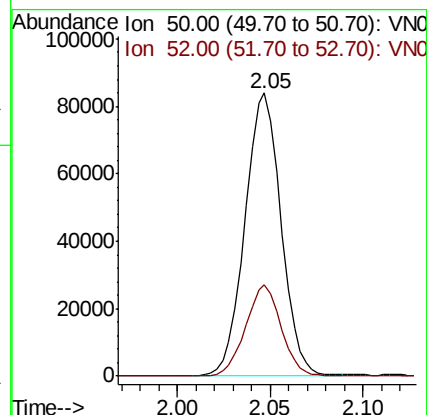
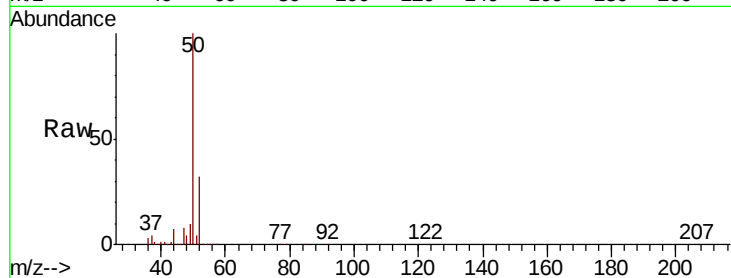
VN0823WBS01

Tgt Ion: 50 Resp: 113885

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.6



#4

Vinyl Chloride

Concen: 21.291 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057470.D

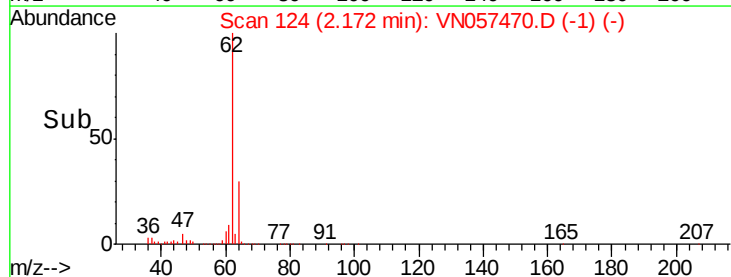
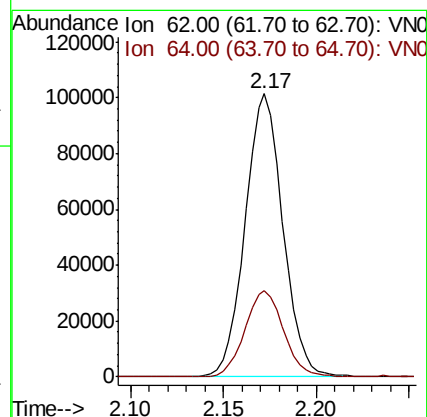
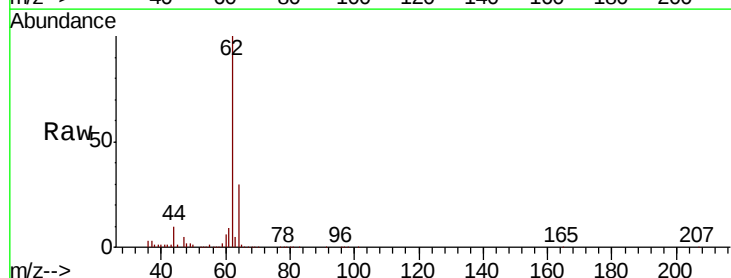
Acq: 23 Aug 2019 13:24

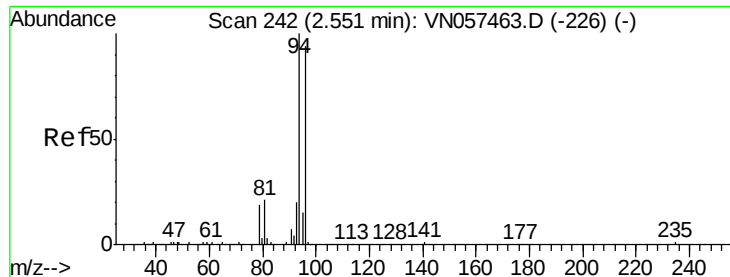
Tgt Ion: 62 Resp: 143525

Ion Ratio Lower Upper

62 100

64 30.3 24.8 37.2





#5

Bromomethane

Concen: 20.838 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

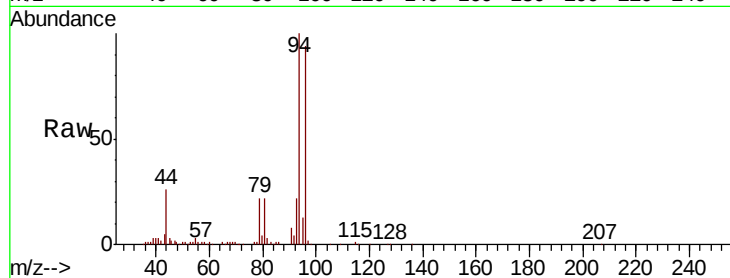
VN0823WBS01

Tgt Ion: 94 Resp: 90874

Ion Ratio Lower Upper

94 100

96 94.7 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

40000

30000

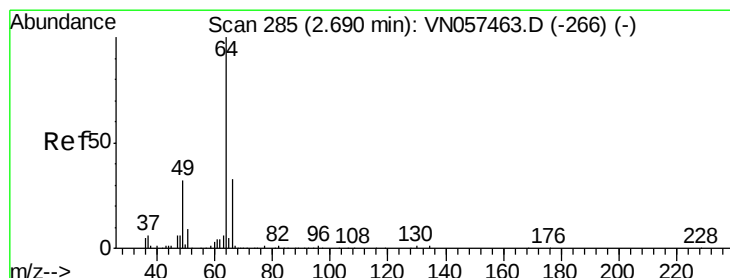
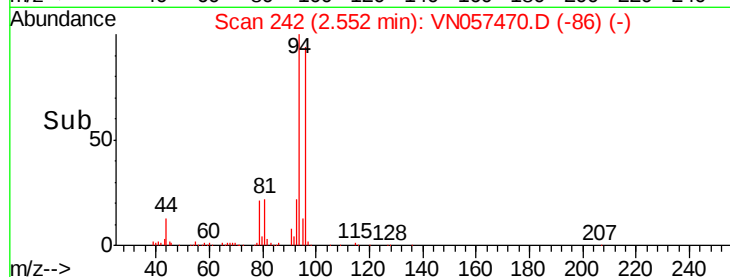
20000

10000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.521 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057470.D

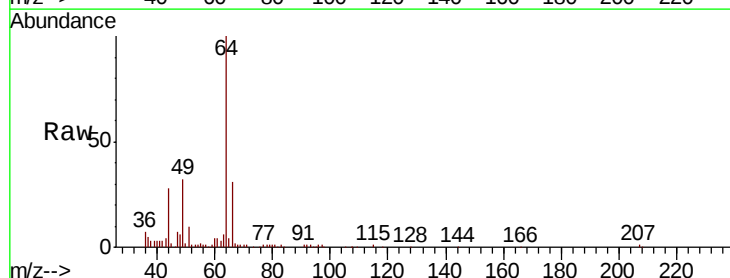
Acq: 23 Aug 2019 13:24

Tgt Ion: 64 Resp: 92663

Ion Ratio Lower Upper

64 100

66 30.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

50000

40000

30000

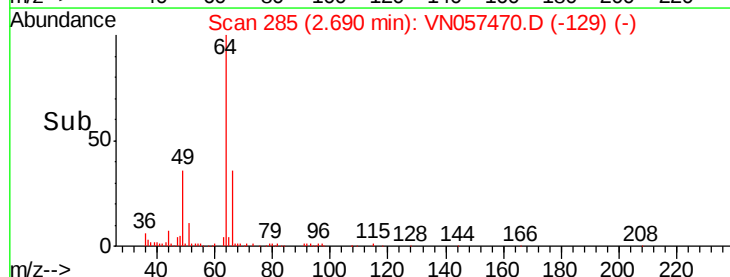
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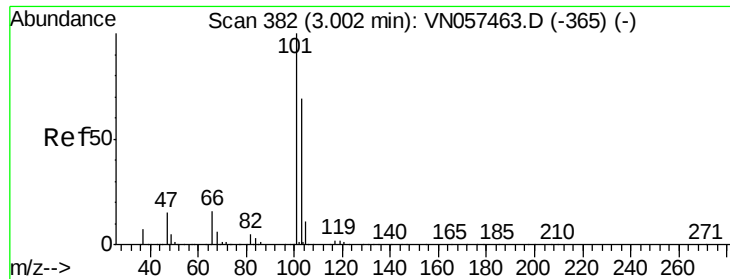
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0

2.60 2.65 2.70 2.75

Time-->



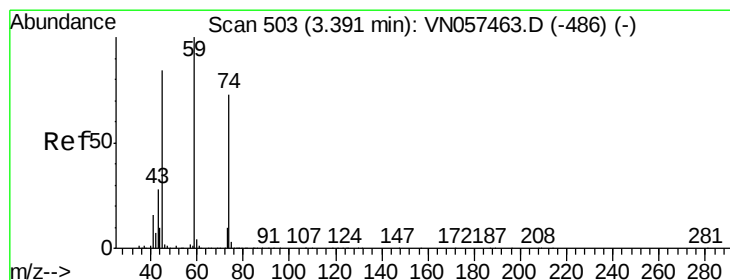
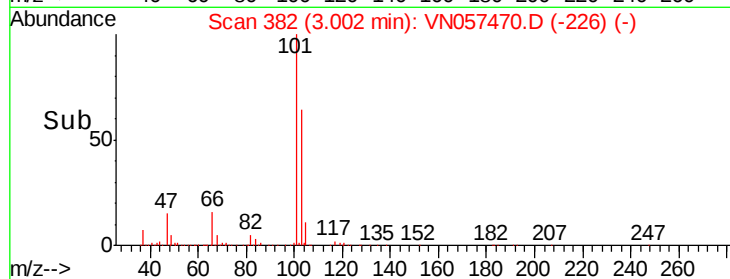
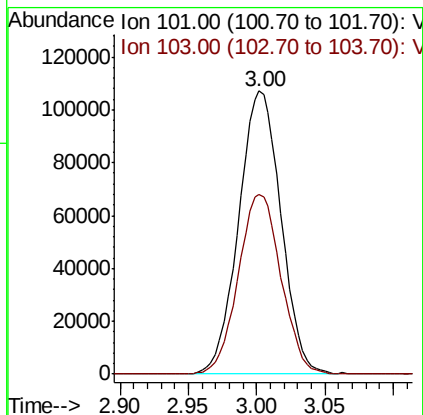
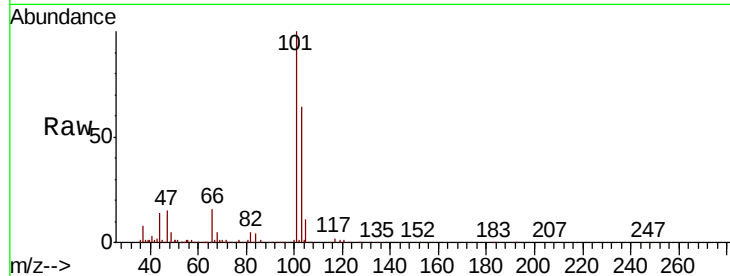


#7

Trichlorofluoromethane
 Concen: 21.532 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

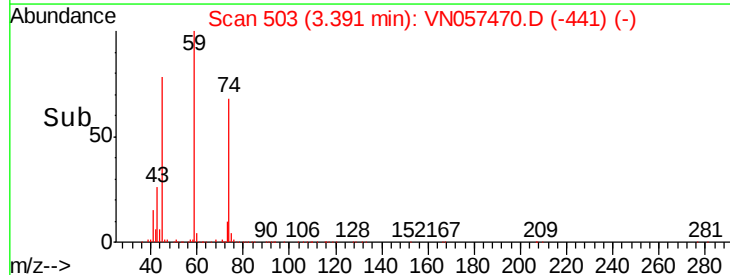
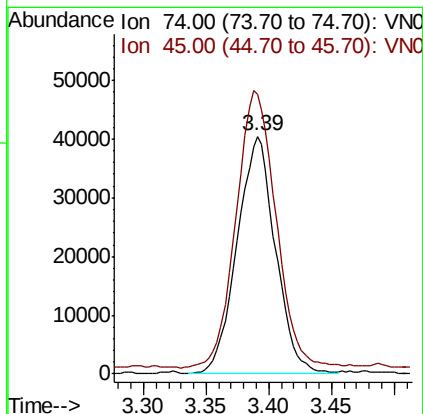
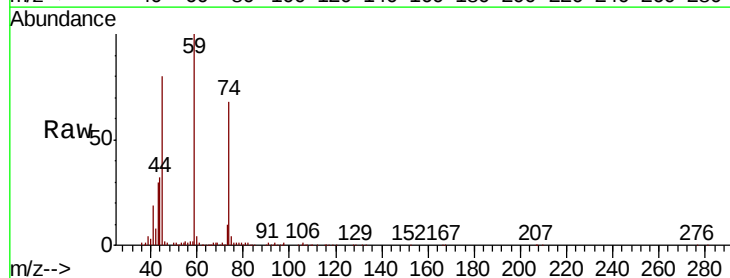
Tgt Ion:101 Resp: 230871
 Ion Ratio Lower Upper
 101 100
 103 63.5 55.0 82.4

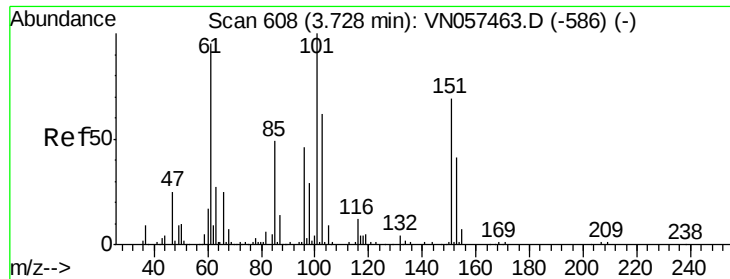


#8

Diethyl Ether
 Concen: 20.917 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 74 Resp: 86158
 Ion Ratio Lower Upper
 74 100
 45 121.3 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.025 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

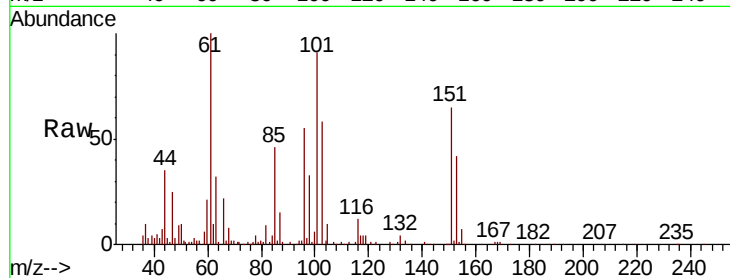
Tgt Ion:101 Resp: 114893

Ion Ratio Lower Upper

101 100

85 51.1 0.0 101.6

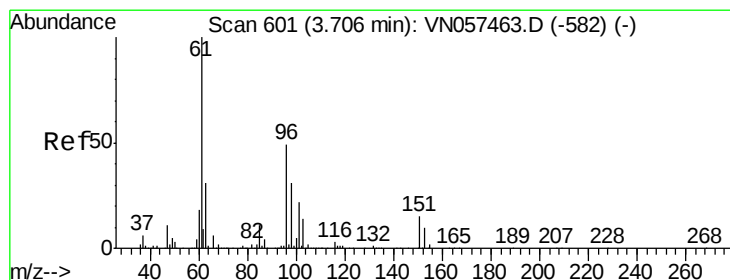
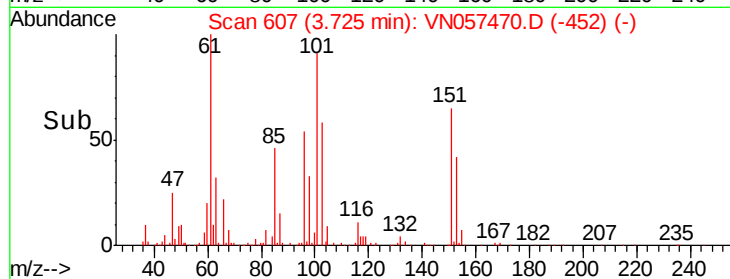
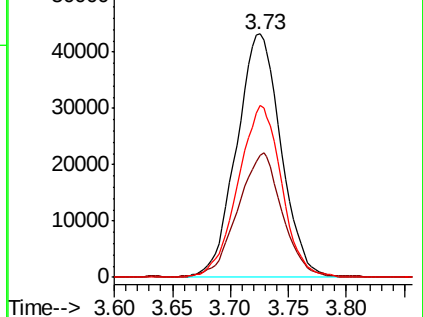
151 69.4 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.104 ug/l

RT: 3.71 min Scan# 601

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

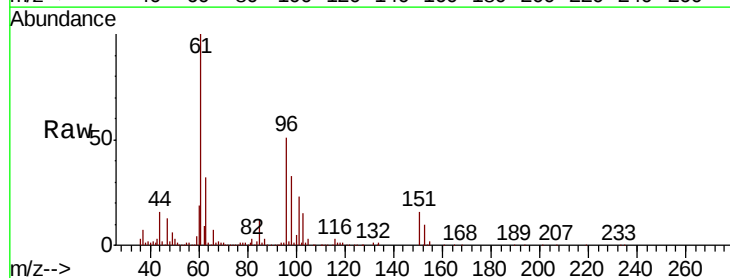
Tgt Ion: 96 Resp: 123042

Ion Ratio Lower Upper

96 100

61 195.1 162.6 244.0

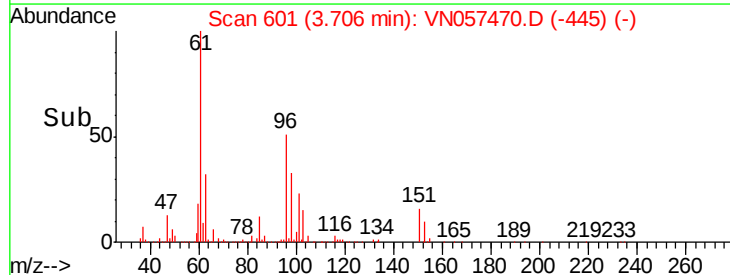
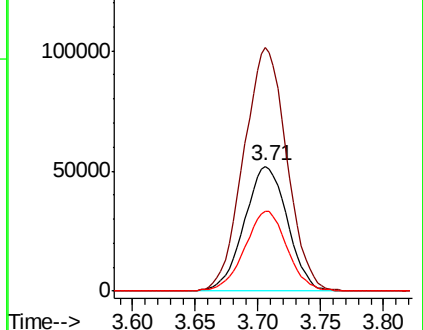
98 63.9 51.1 76.7

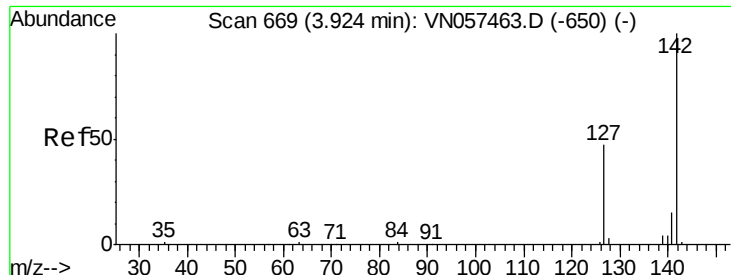


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

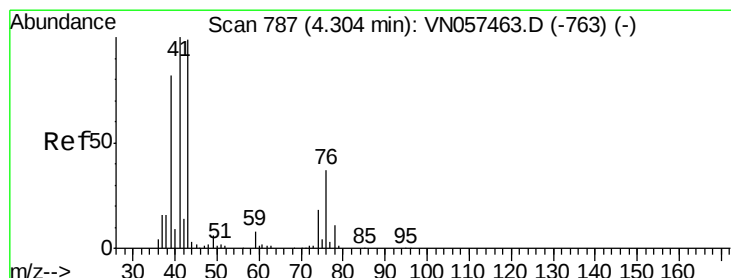
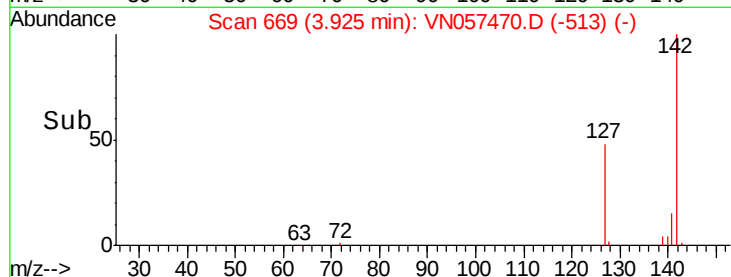
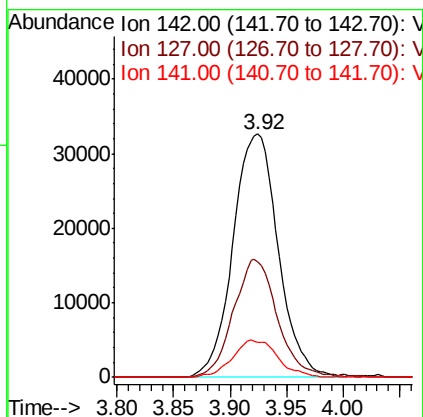
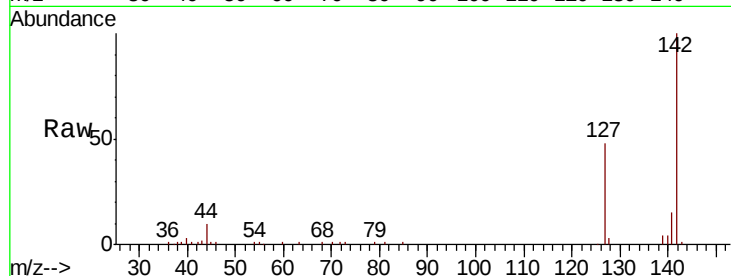




#11
Methyl Iodide
Concen: 17.310 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

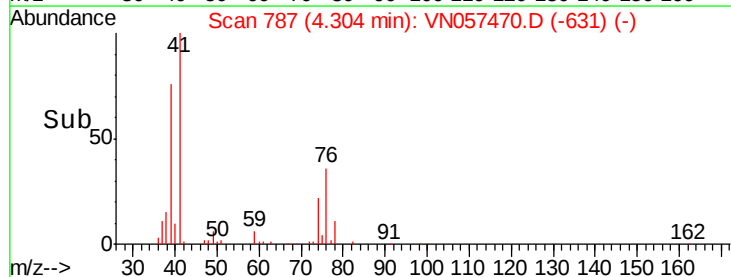
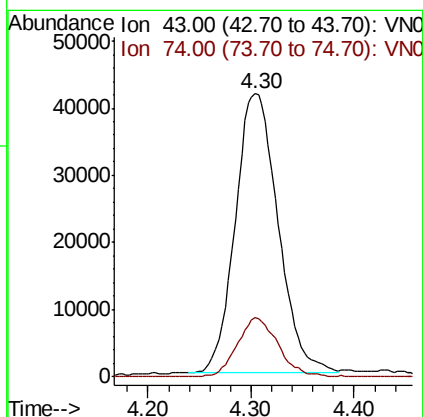
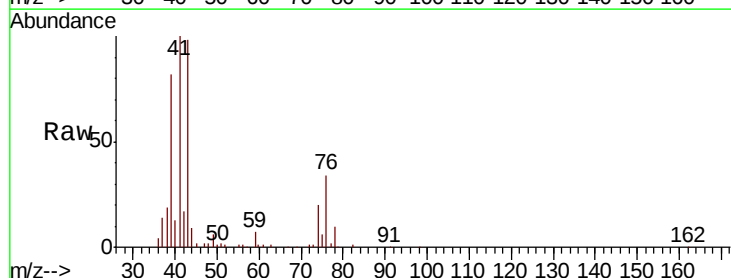
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

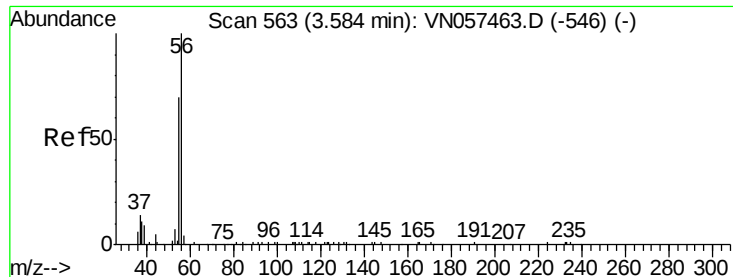
Tgt Ion:142 Resp: 90716
Ion Ratio Lower Upper
142 100
127 47.9 24.0 72.0
141 14.2 7.0 21.1



#12
Methyl Acetate
Concen: 20.438 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion: 43 Resp: 120038
Ion Ratio Lower Upper
43 100
74 21.2 14.6 22.0





#13

Acrolein

Concen: 101.208 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

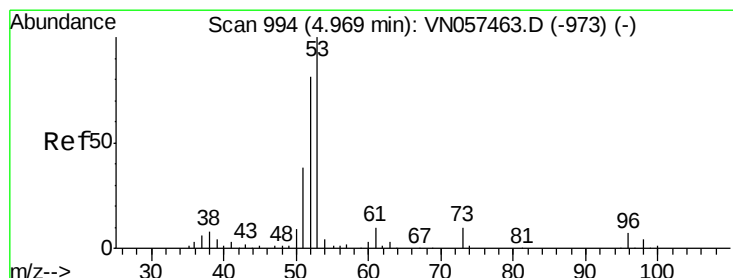
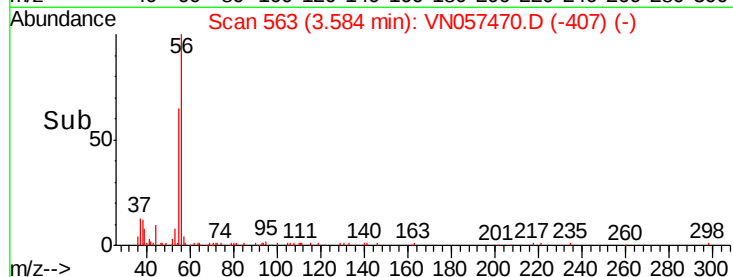
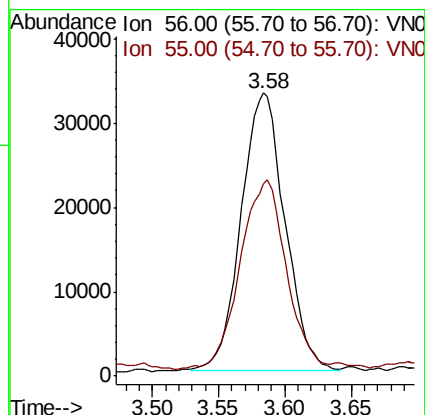
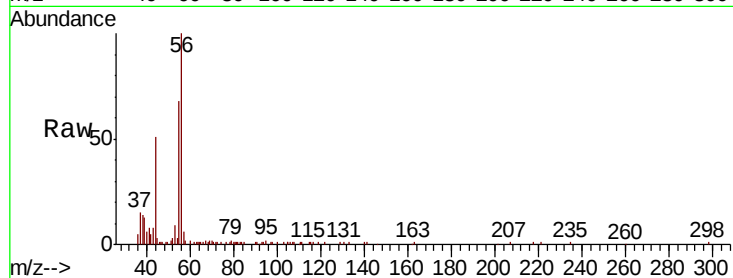
VN0823WBS01

Tgt Ion: 56 Resp: 75596

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Acrylonitrile

Concen: 105.328 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

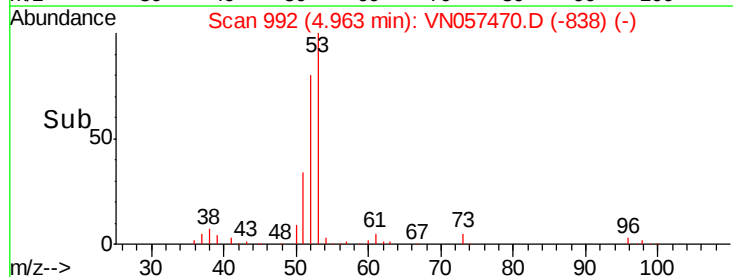
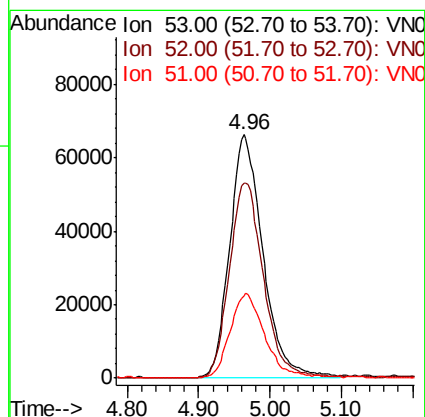
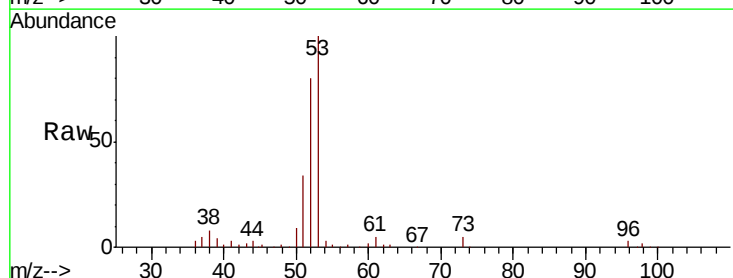
Tgt Ion: 53 Resp: 214905

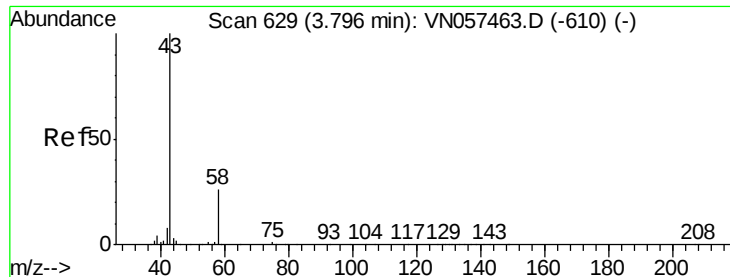
Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.9

51 34.6 18.3 54.9





#15

Acetone

Concen: 57.590 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

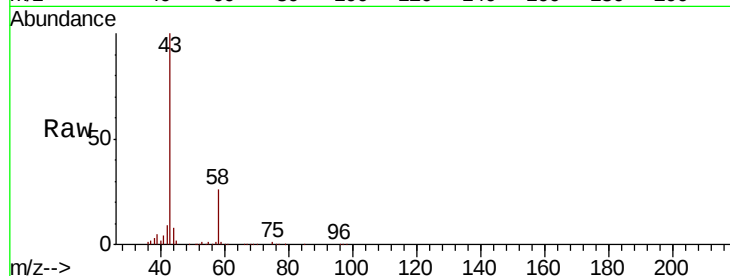
VN0823WBS01

Tgt Ion: 58 Resp: 54968

Ion Ratio Lower Upper

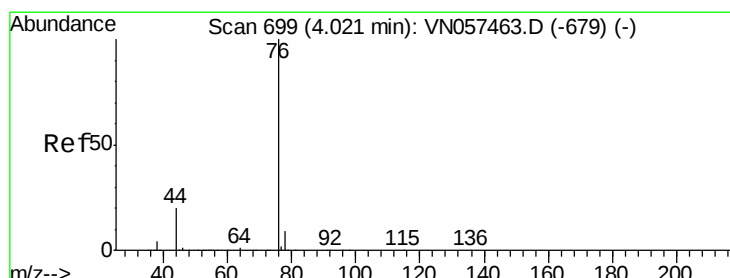
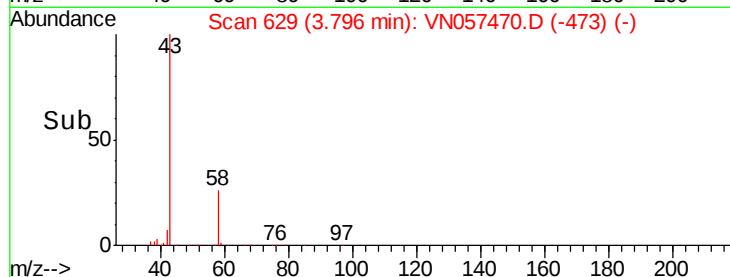
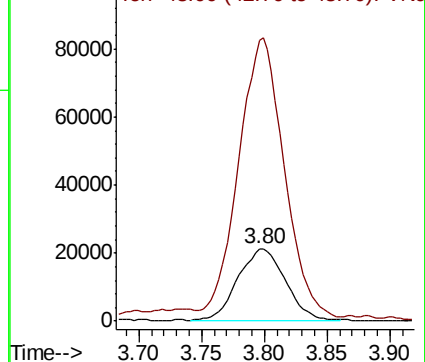
58 100

43 386.3 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.577 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057470.D

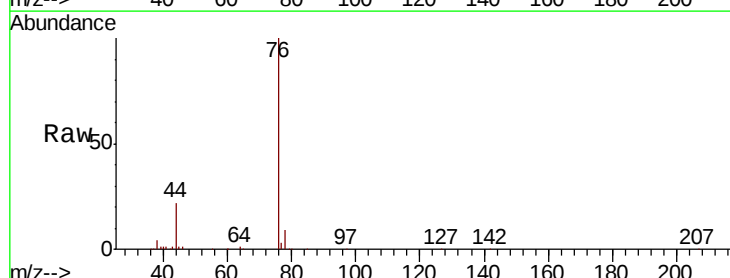
Acq: 23 Aug 2019 13:24

Tgt Ion: 76 Resp: 213689

Ion Ratio Lower Upper

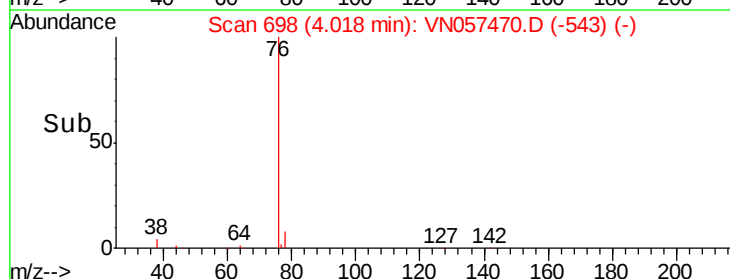
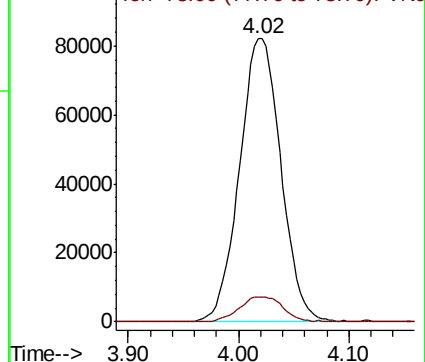
76 100

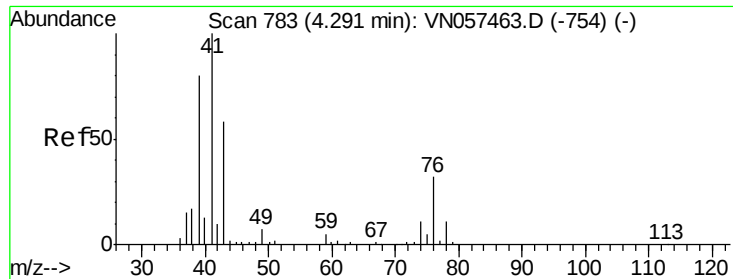
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 20.372 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

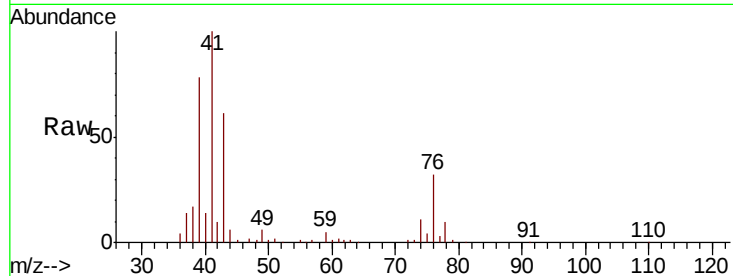
Tgt Ion: 41 Resp: 162036

Ion Ratio Lower Upper

41 100

39 78.2 40.1 120.2

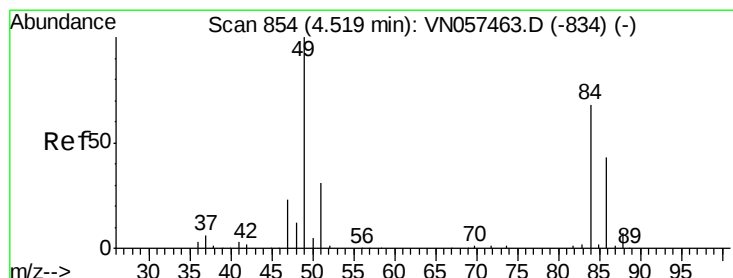
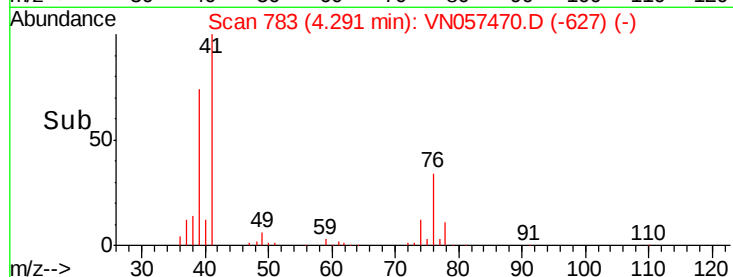
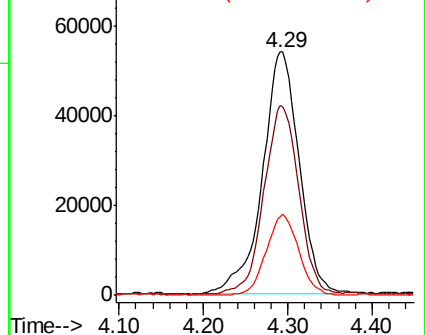
76 32.4 16.2 48.6



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: 20.834 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion: 84 Resp: 89081

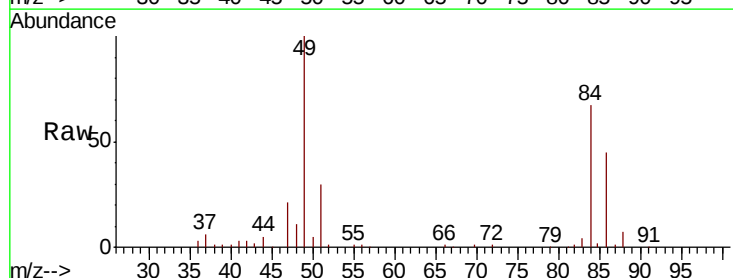
Ion Ratio Lower Upper

84 100

49 148.7 116.8 175.2

51 44.4 36.4 54.6

86 67.1 49.8 74.6

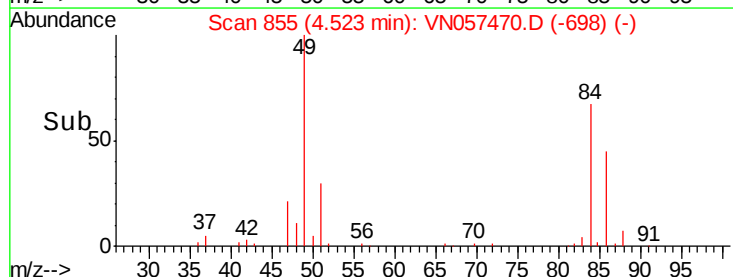
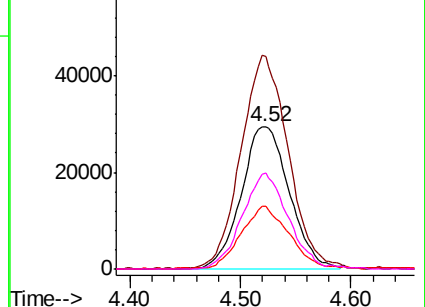


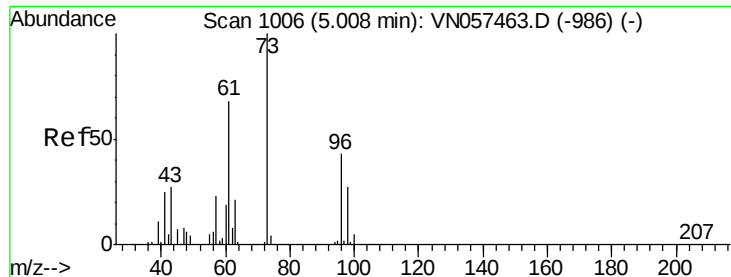
Abundance Ion 84.00 (83.70 to 84.70): VN0

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: 20.042 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

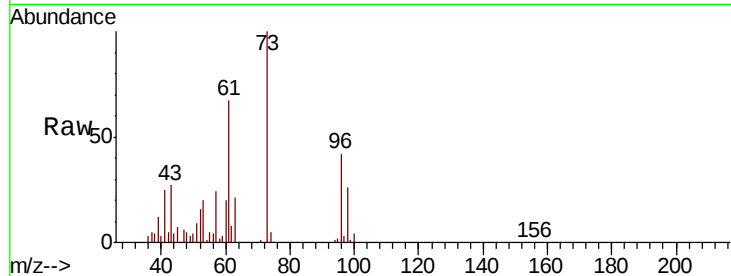
Tgt Ion: 96 Resp: 80694

Ion Ratio Lower Upper

96 100

61 158.1 127.6 191.4

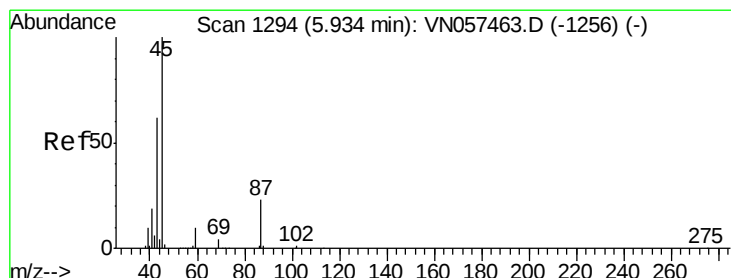
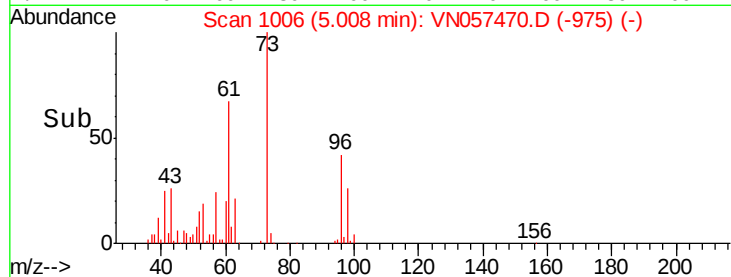
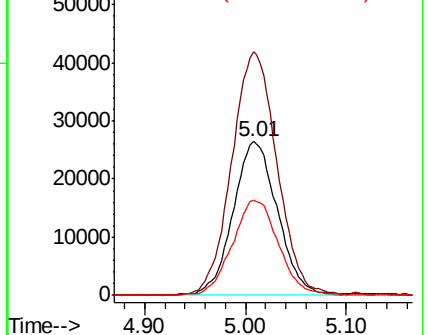
98 61.2 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.938 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion: 45 Resp: 355548

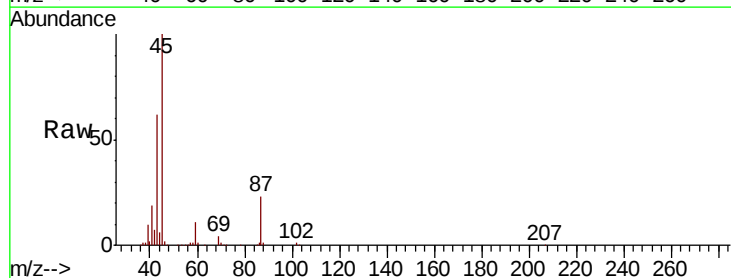
Ion Ratio Lower Upper

45 100

43 59.0 49.9 74.9

87 22.2 19.1 28.7

59 10.4 8.3 12.5

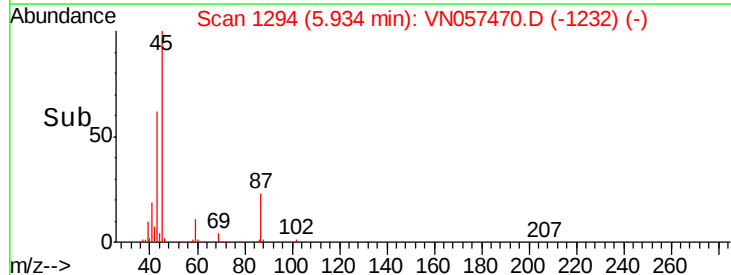
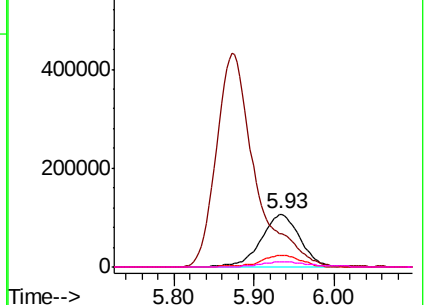


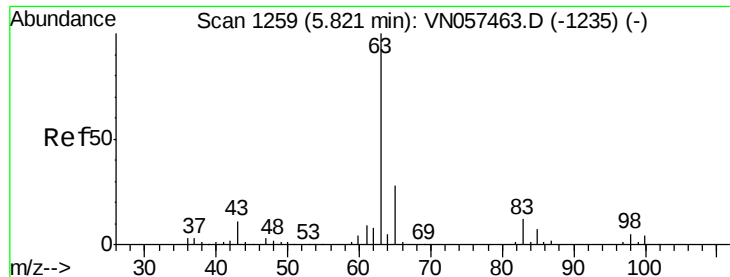
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

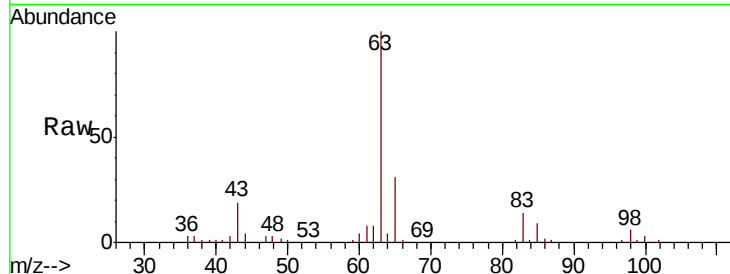




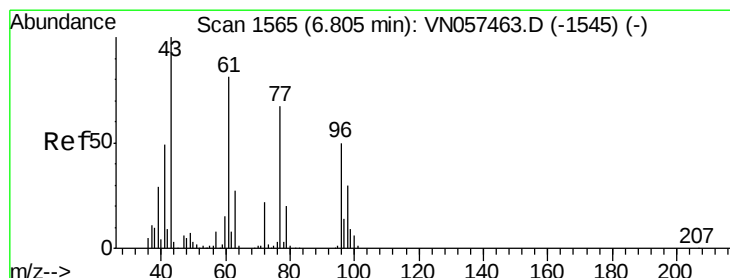
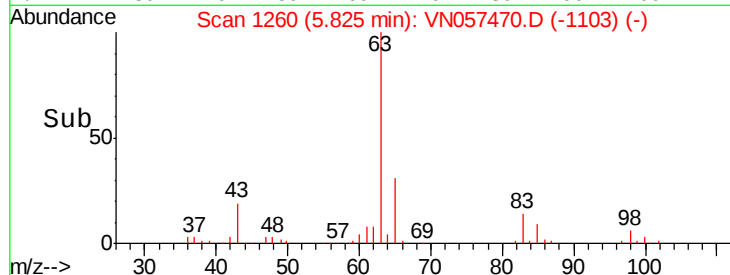
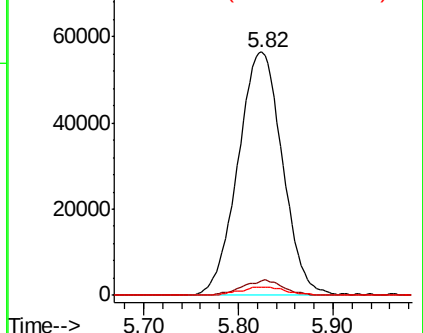
#21
 1,1-Dichloroethane
 Concen: 20.873 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tgt Ion:	63	Resp:	184178
Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.4	7.1
100	3.6	2.1	6.3

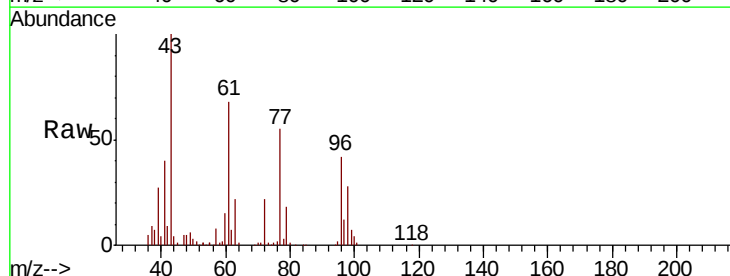


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

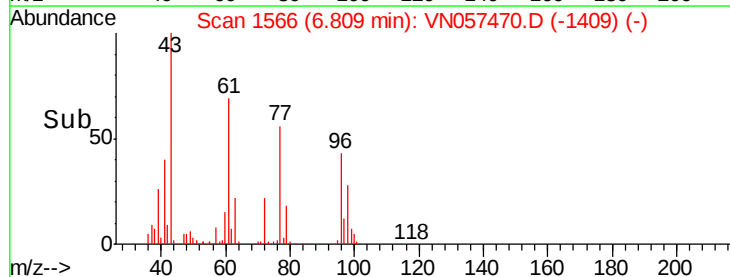
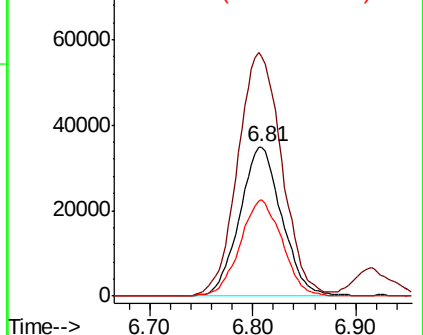


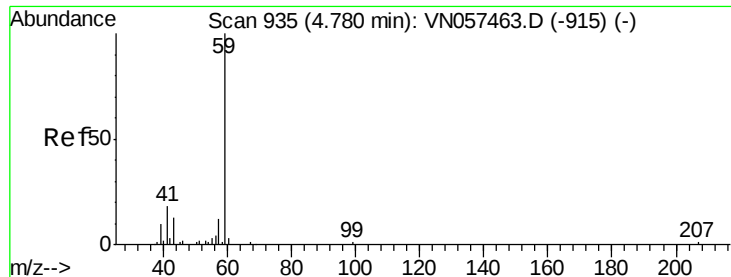
#22
 cis-1,2-Dichloroethene
 Concen: 20.215 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion:	96	Resp:	98996
Ion	Ratio	Lower	Upper
96	100		
61	170.4	134.4	201.6
98	64.3	51.4	77.0



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



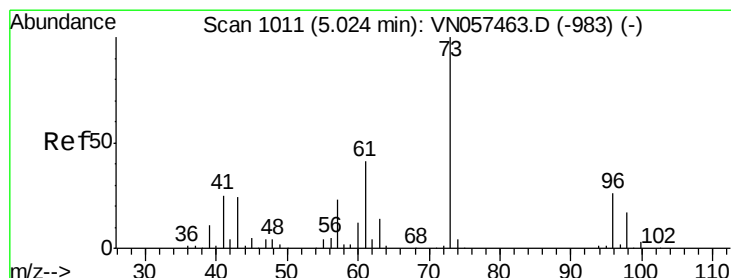
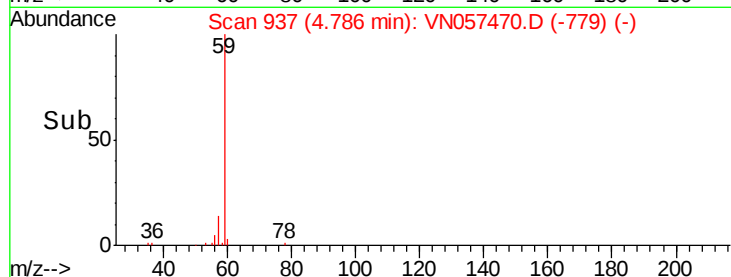
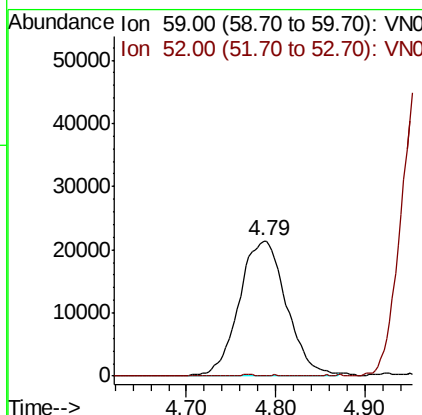
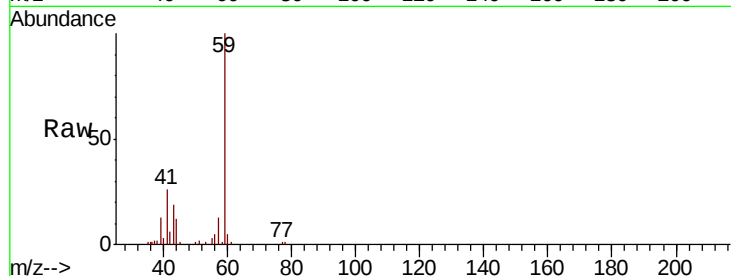


#23

tert-Butyl Alcohol
 Concen: 105.436 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

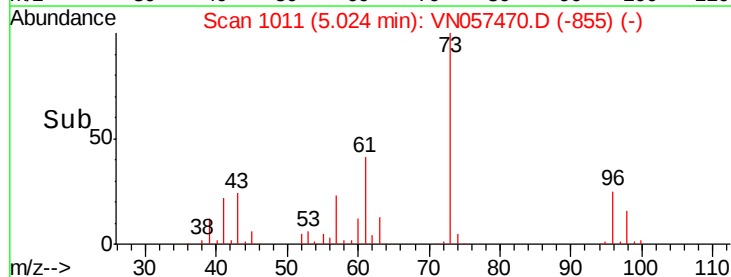
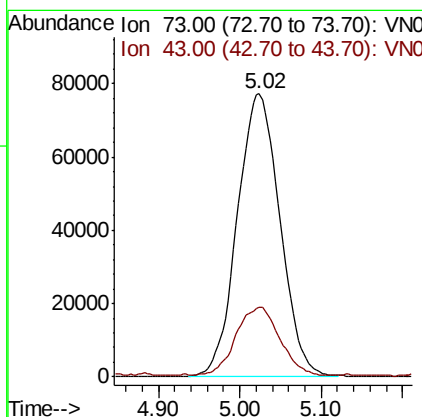
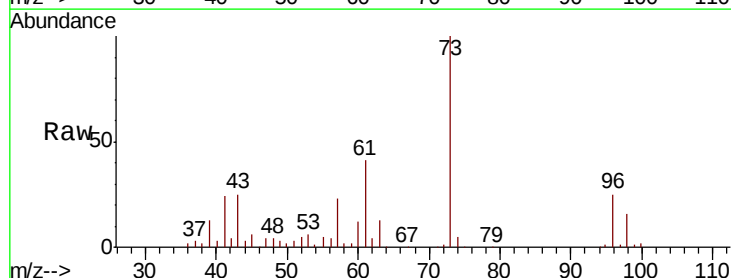
Tgt Ion: 59 Resp: 78145
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#

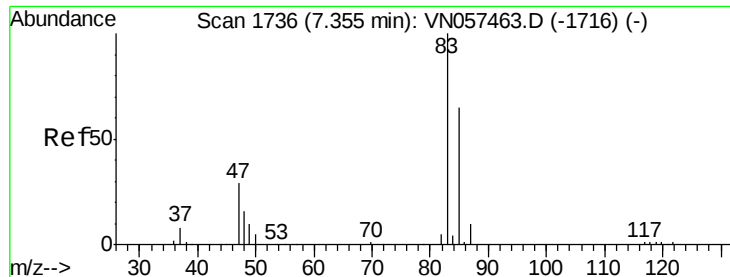


#24

Methyl tert-Butyl Ether
 Concen: 20.811 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 73 Resp: 280330
 Ion Ratio Lower Upper
 73 100
 43 24.6 20.1 30.1

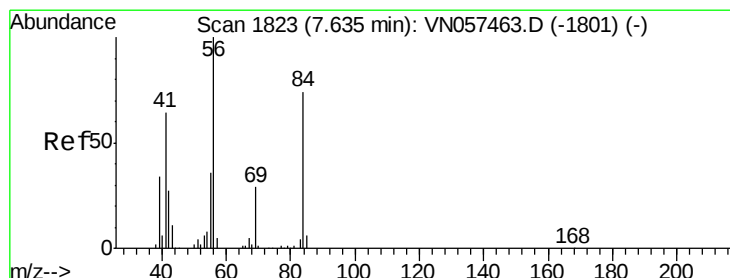
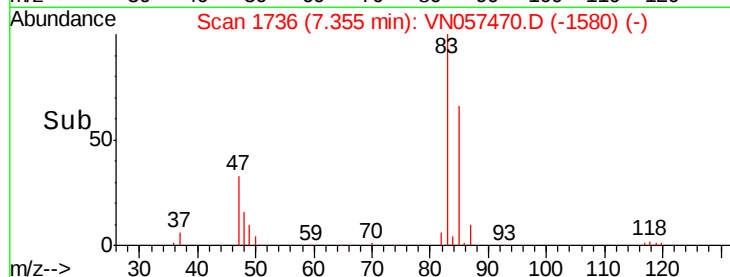
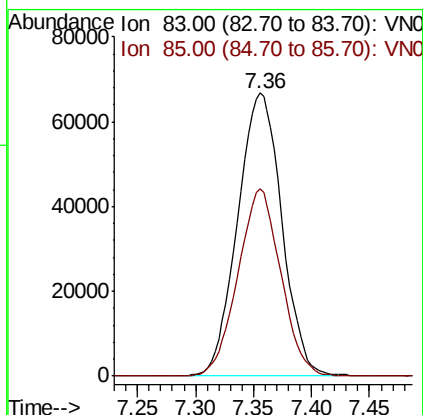
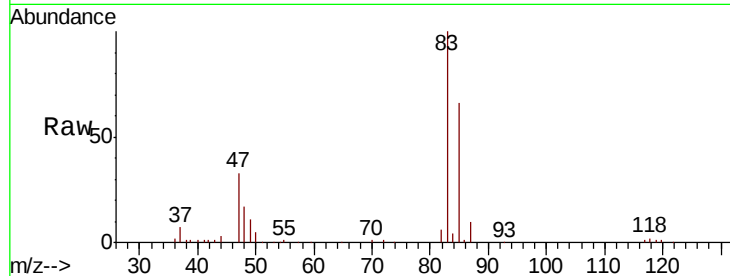




#25
Chloroform
Concen: 20.202 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

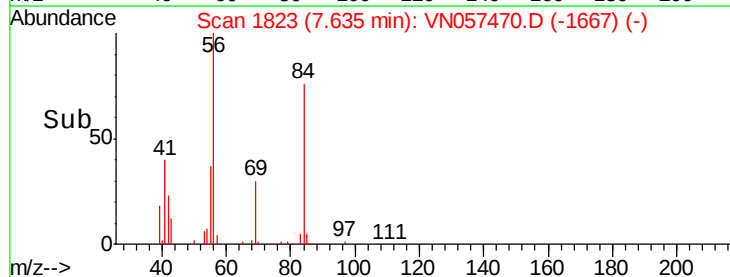
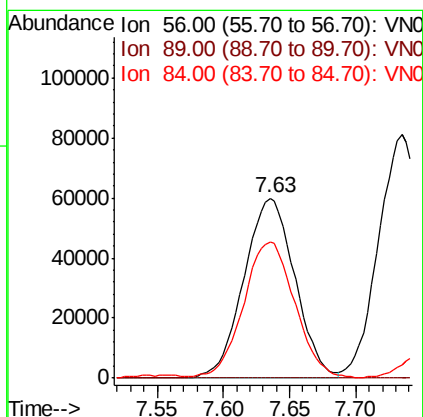
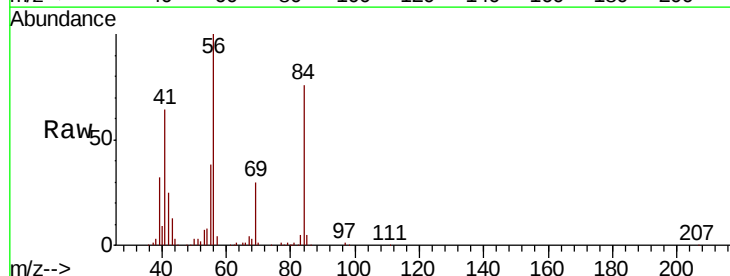
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

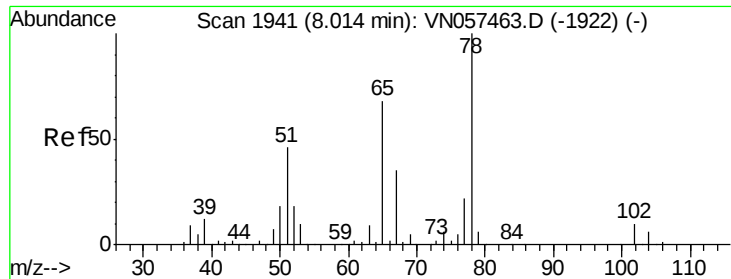
Tgt Ion: 83 Resp: 176979
Ion Ratio Lower Upper
83 100
85 66.2 52.0 78.0



#26
Cyclohexane
Concen: 20.263 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion: 56 Resp: 159212
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.9 61.1 91.7

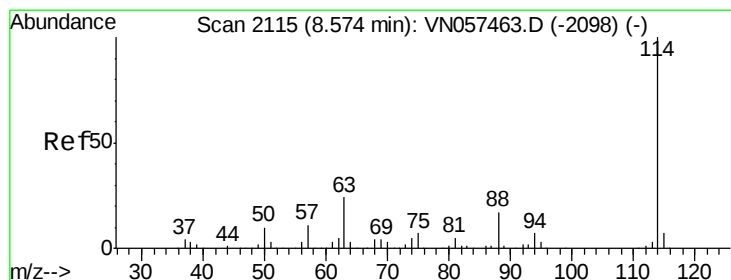
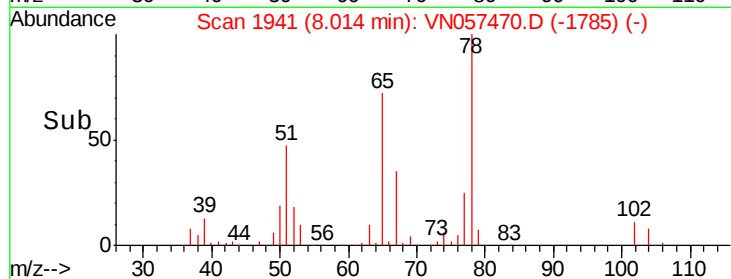
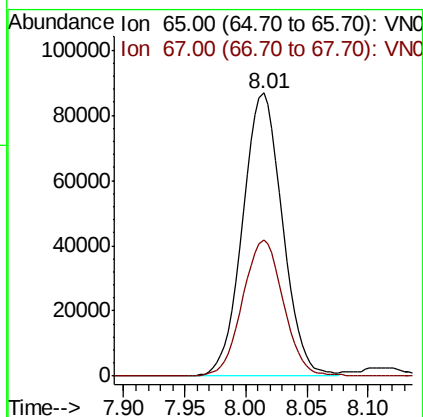
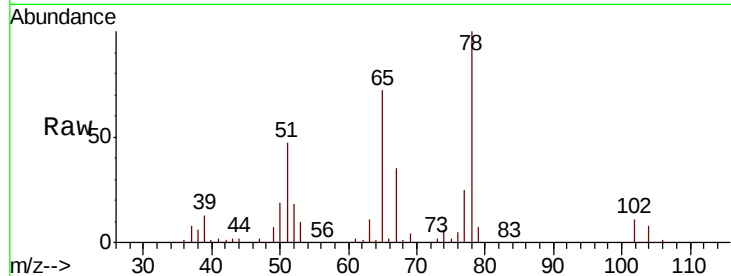




#27
 1,2-Dichloroethane-d4
 Concen: 30.094 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

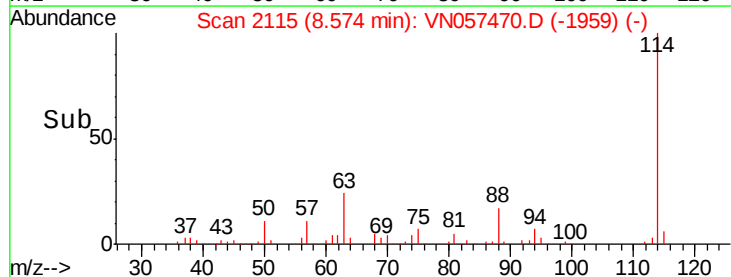
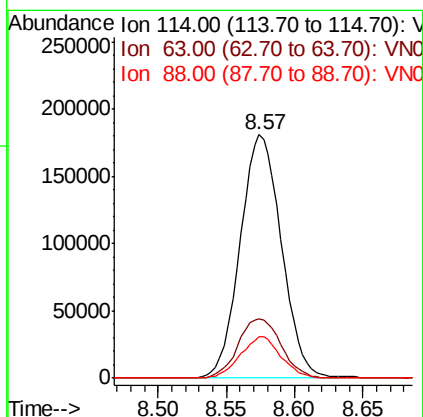
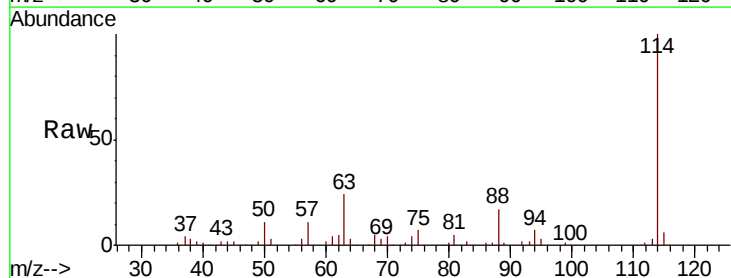
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

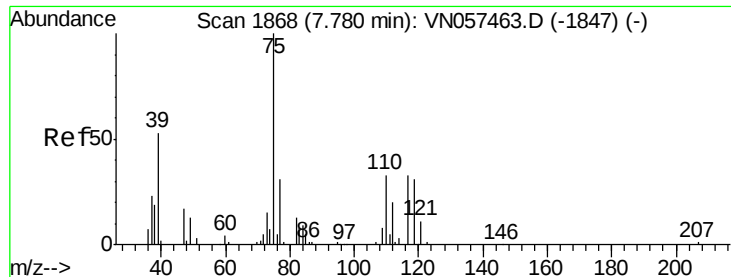
Tgt Ion: 65 Resp: 195968
 Ion Ratio Lower Upper
 65 100
 67 49.4 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 114 Resp: 380005
 Ion Ratio Lower Upper
 114 100
 63 25.5 19.6 29.4
 88 16.7 13.1 19.7

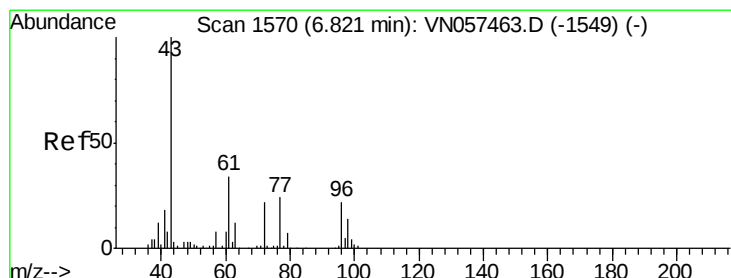
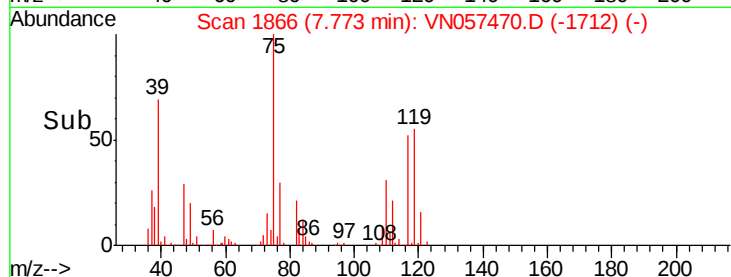
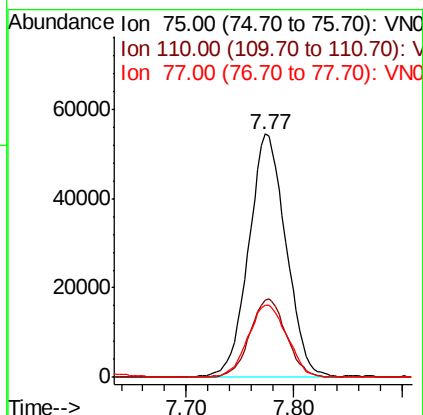
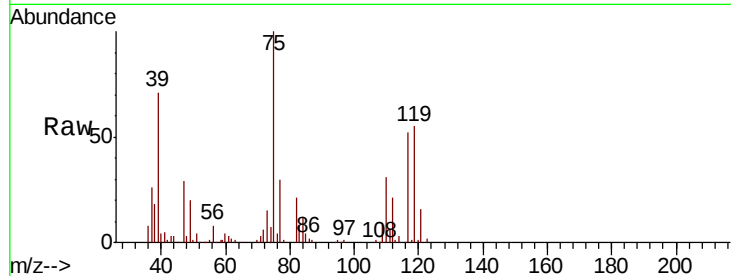




#29
 1,1-Dichloropropene
 Concen: 20.296 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

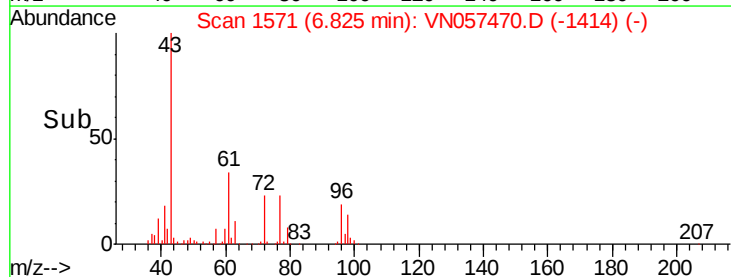
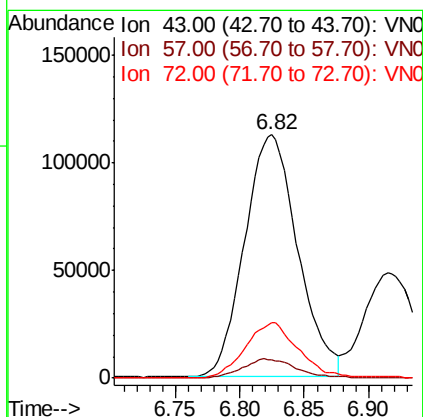
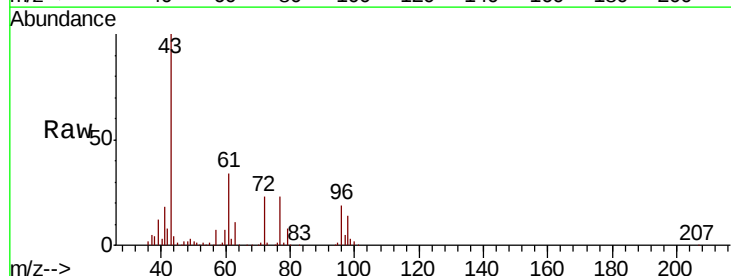
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

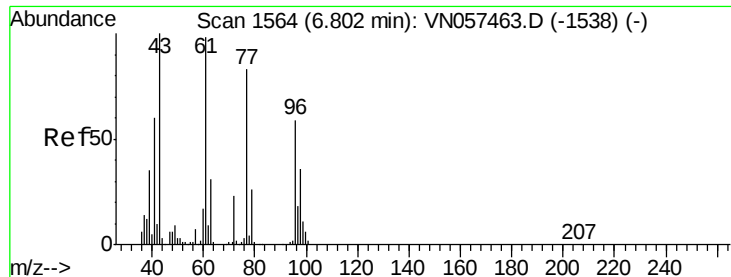
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	0.0	64.0
77	30.6	0.0	63.4



#30
 2-Butanone
 Concen: 103.894 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	5.7	8.5
72	22.8	18.2	27.2





#31

2,2-Dichloropropane

Concen: 21.117 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

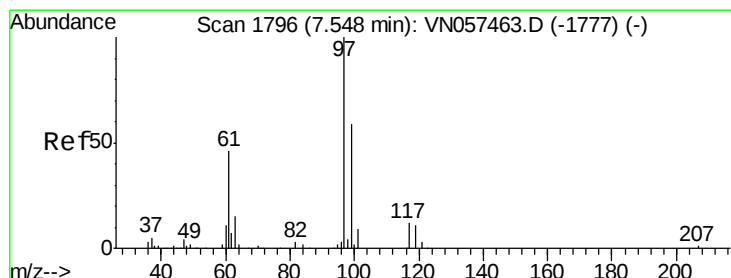
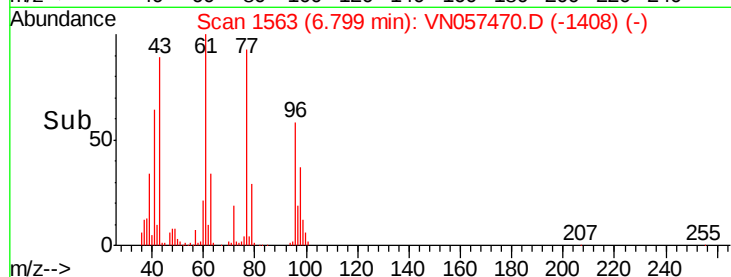
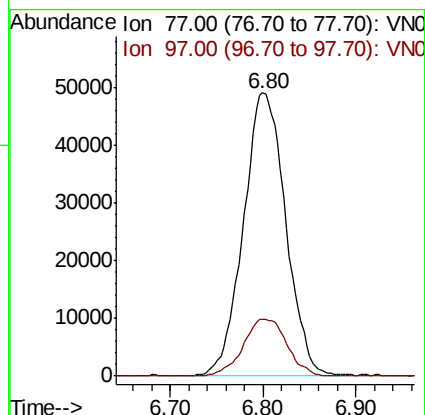
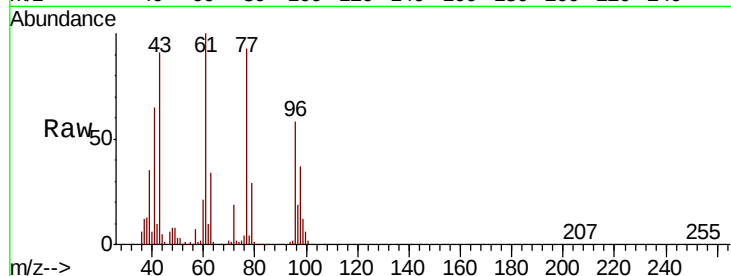
VN0823WBS01

Tgt Ion: 77 Resp: 155821

Ion Ratio Lower Upper

77 100

97 20.8 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 20.512 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

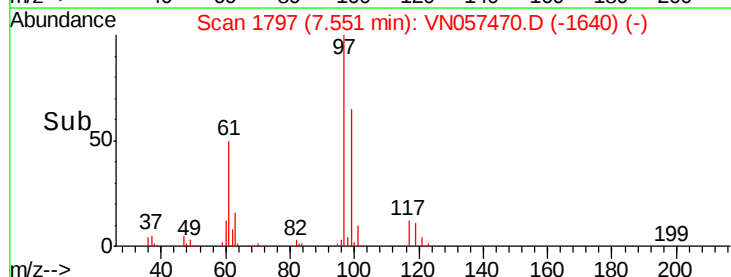
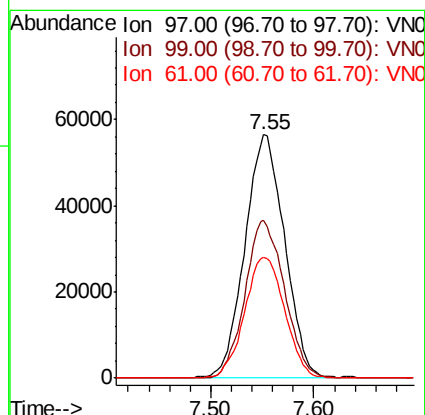
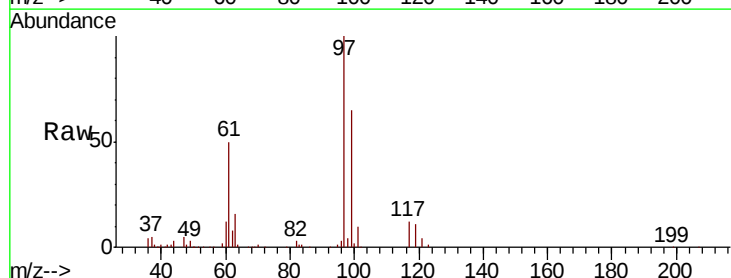
Tgt Ion: 97 Resp: 151437

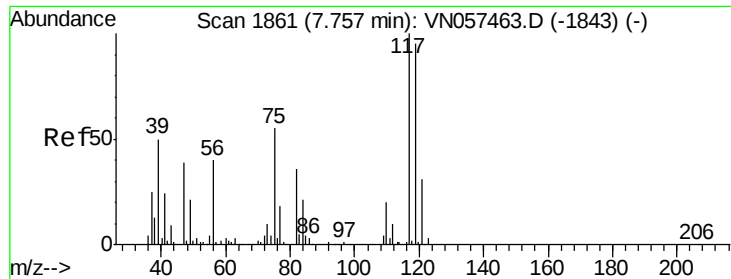
Ion Ratio Lower Upper

97 100

99 64.2 49.6 74.4

61 50.2 40.9 61.3





#33

Carbon Tetrachloride

Concen: 20.325 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

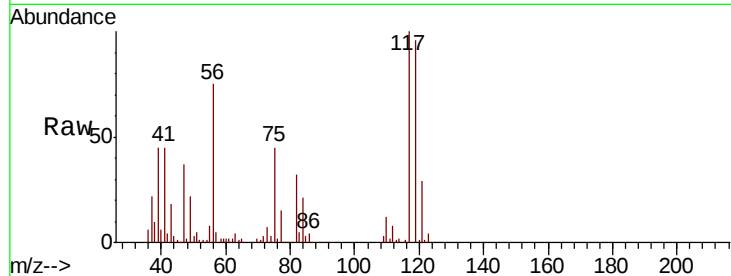
Tgt Ion:117 Resp: 124605

Ion Ratio Lower Upper

117 100

119 96.4 76.8 115.2

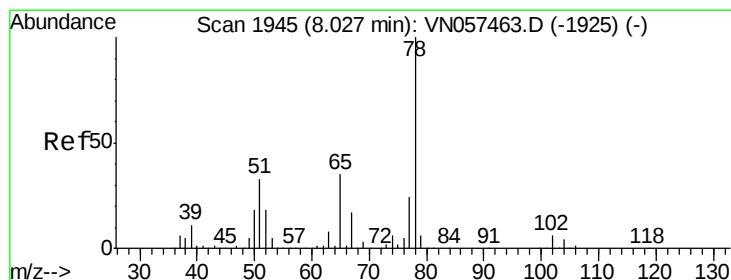
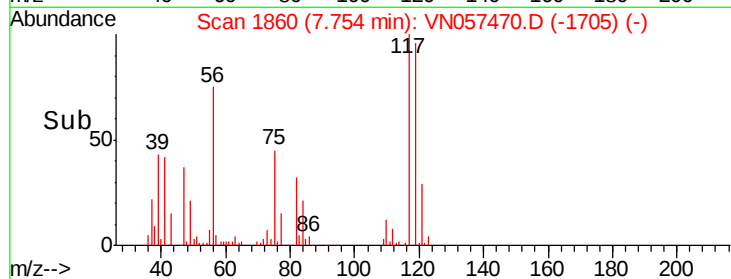
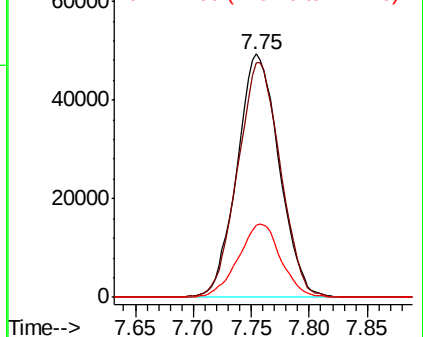
121 29.4 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.502 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

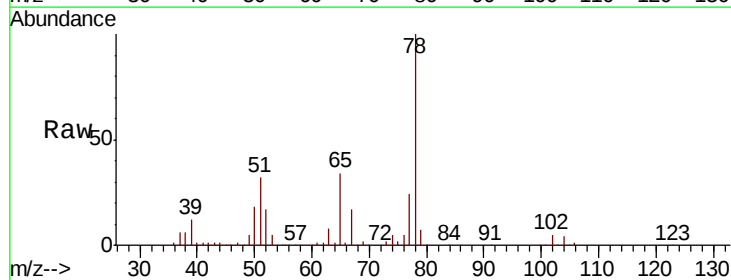
Tgt Ion: 78 Resp: 389371

Ion Ratio Lower Upper

78 100

77 24.3 19.5 29.3

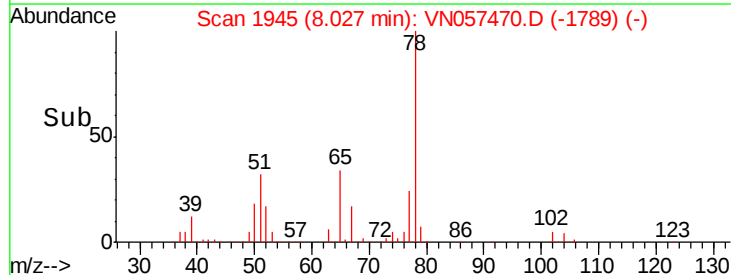
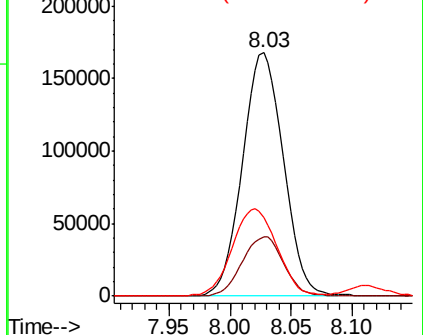
51 32.0 26.0 39.0

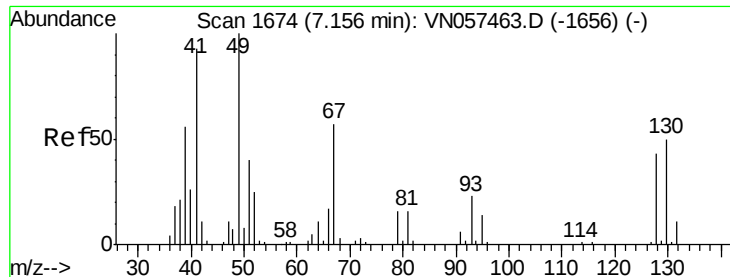


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

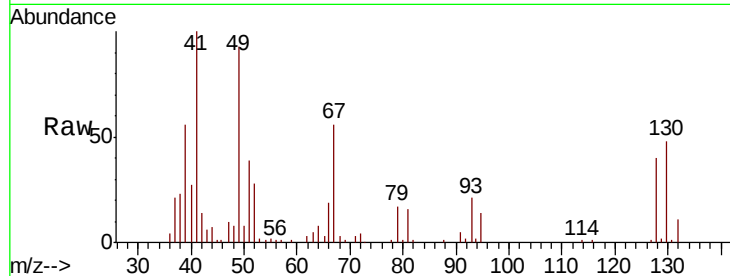




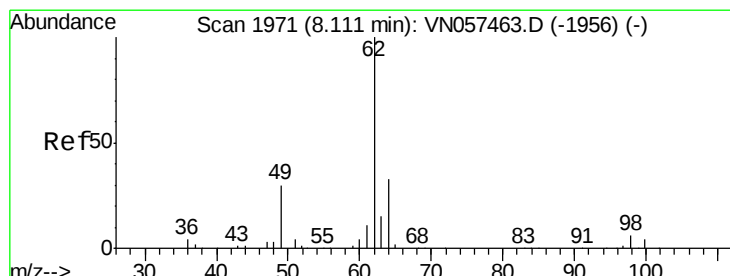
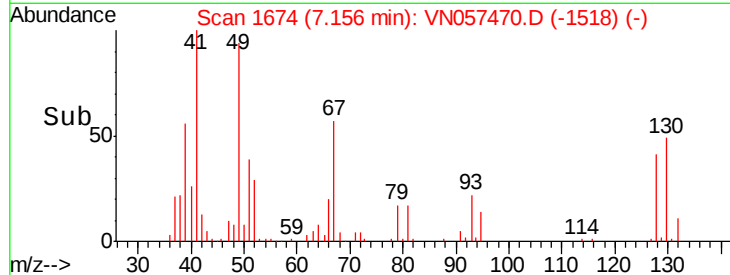
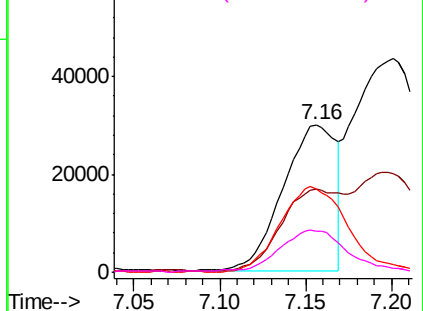
#35
Methacrylonitrile
Concen: 20.420 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

Tgt Ion:	41	Resp:	64169
Ion	Ratio	Lower	Upper
41	100		
39	55.6	30.5	91.5
67	56.2	30.9	92.5
52	27.6	13.6	40.8

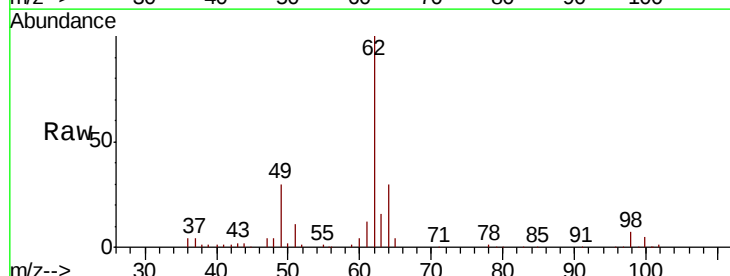


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

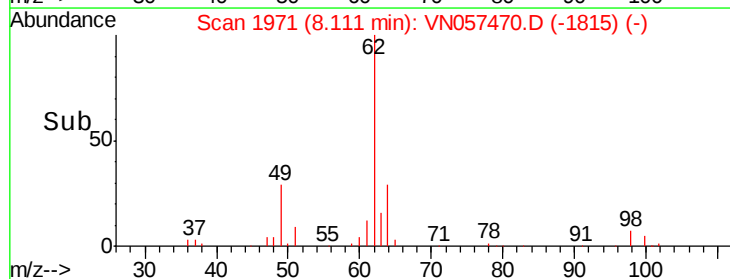
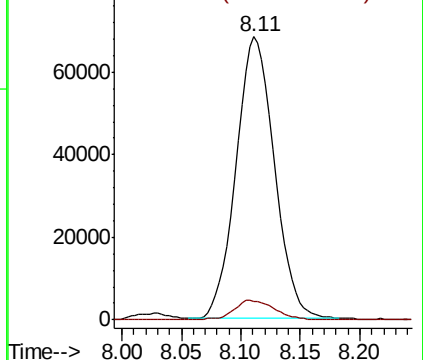


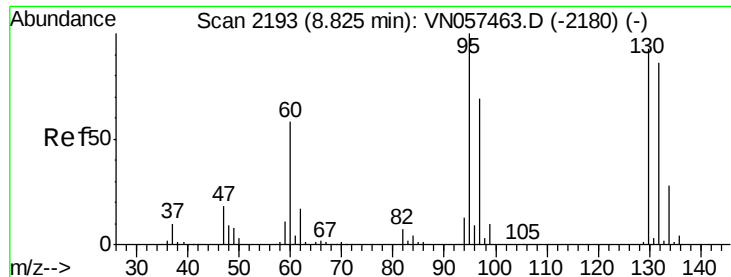
#36
1,2-Dichloroethane
Concen: 20.524 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:	62	Resp:	152801
Ion	Ratio	Lower	Upper
62	100		
98	7.4	2.8	4.2#



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

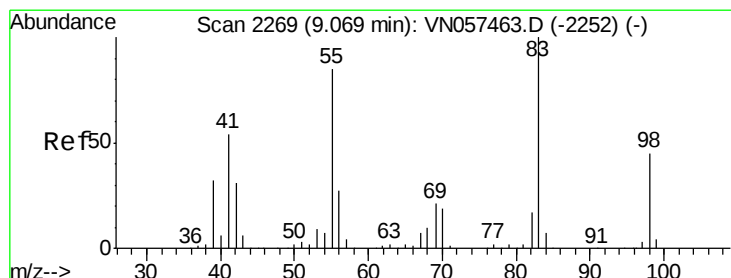
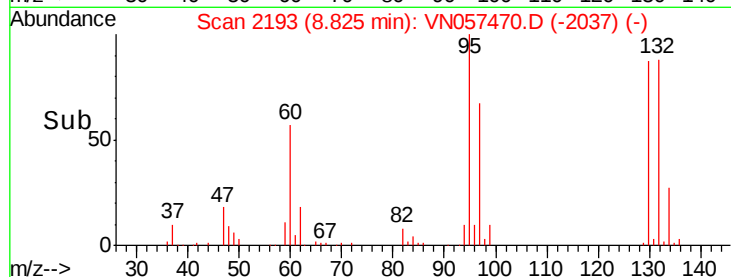
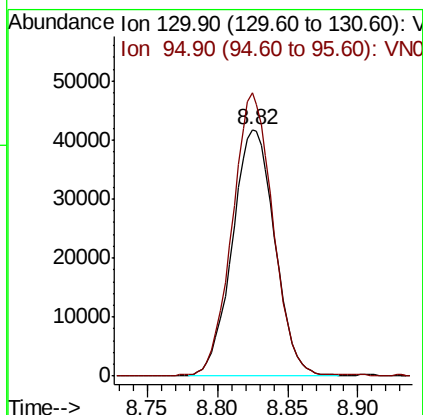
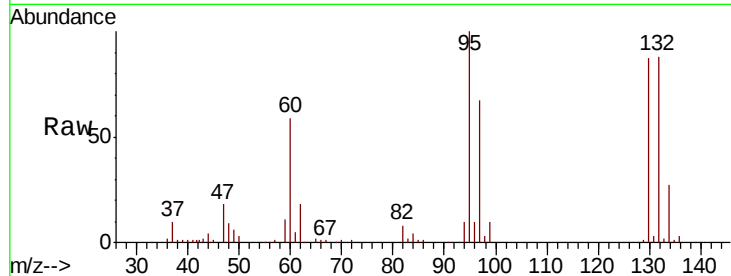




#37
 Trichloroethene
 Concen: 20.335 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

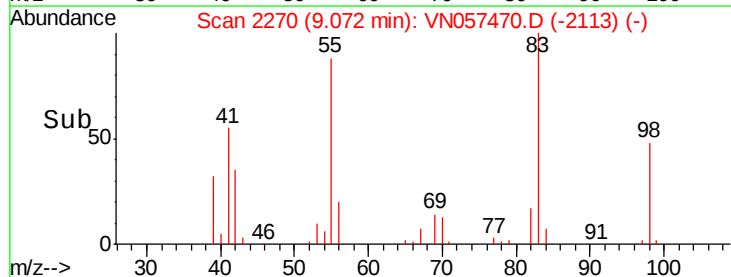
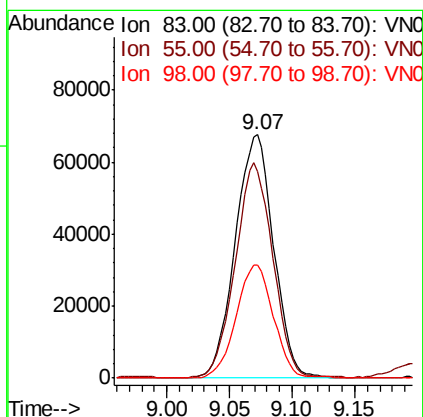
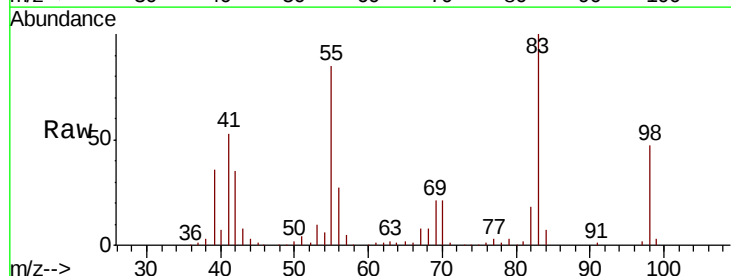
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

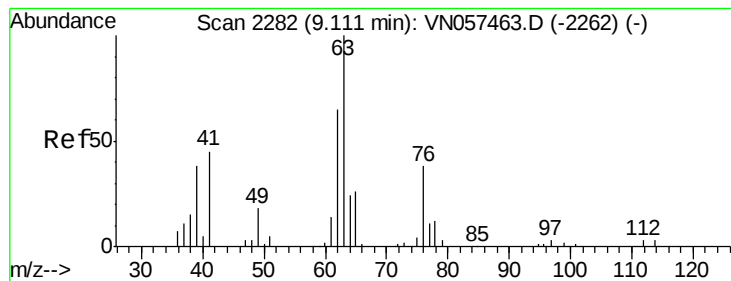
Tgt Ion: 130 Resp: 88111
 Ion Ratio Lower Upper
 130 100
 95 114.1 86.4 129.6



#38
 Methylcyclohexane
 Concen: 19.834 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 83 Resp: 143774
 Ion Ratio Lower Upper
 83 100
 55 85.9 43.3 129.8
 98 45.4 22.8 68.4





#39

1,2-Dichloropropane

Concen: 20.825 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

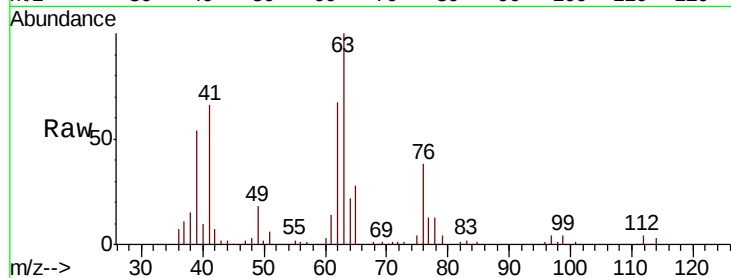
VN0823WBS01

Tgt Ion: 63 Resp: 112458

Ion Ratio Lower Upper

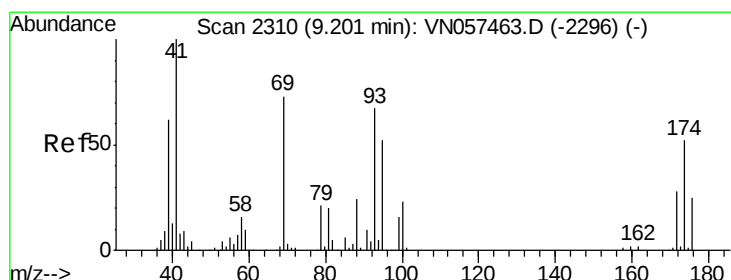
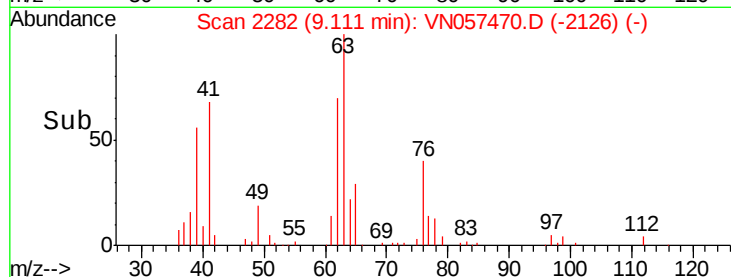
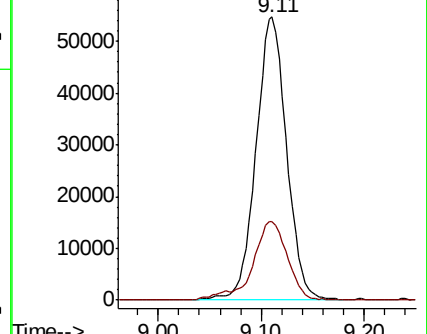
63 100

65 27.3 21.6 32.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.908 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

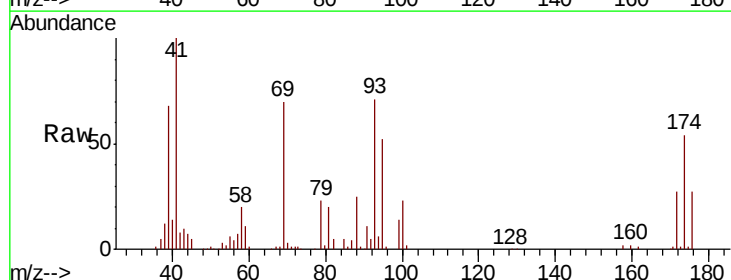
Tgt Ion: 93 Resp: 69003

Ion Ratio Lower Upper

93 100

95 80.8 0.0 160.8

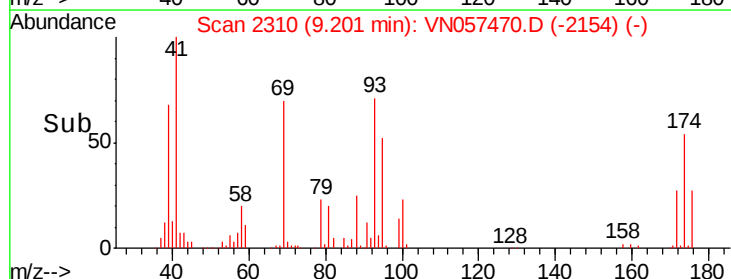
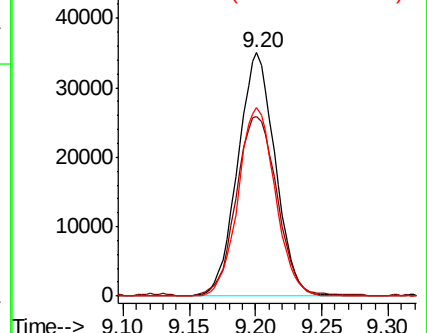
174 76.6 0.0 157.2

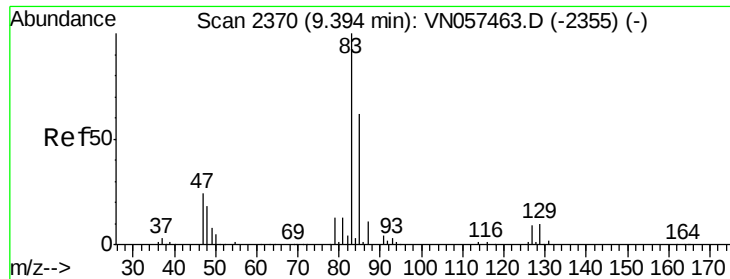


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.012 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

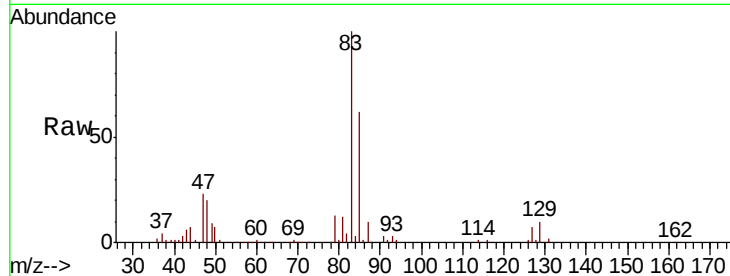
Tgt Ion: 83 Resp: 140072

Ion Ratio Lower Upper

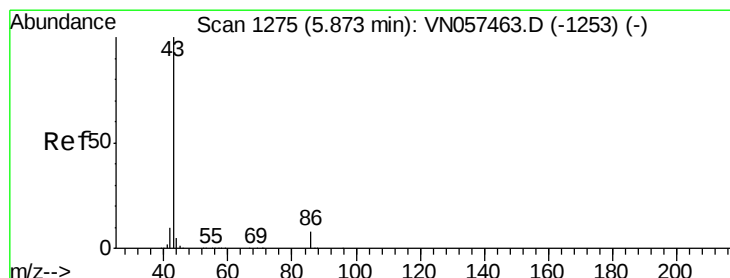
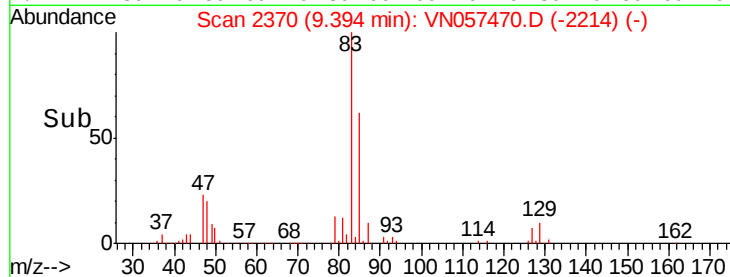
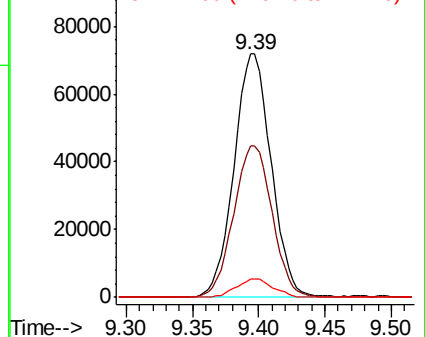
83 100

85 62.3 49.8 74.8

127 7.5 7.6 11.4#



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 103.492 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057470.D

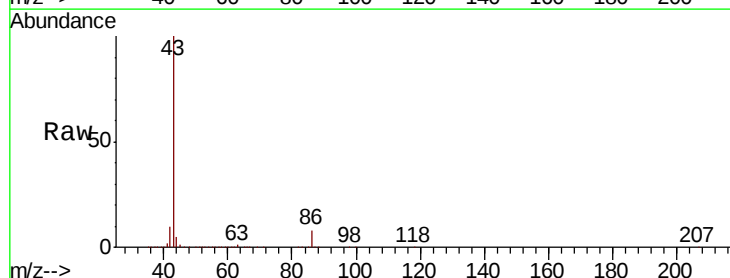
Acq: 23 Aug 2019 13:24

Tgt Ion: 43 Resp: 1438052

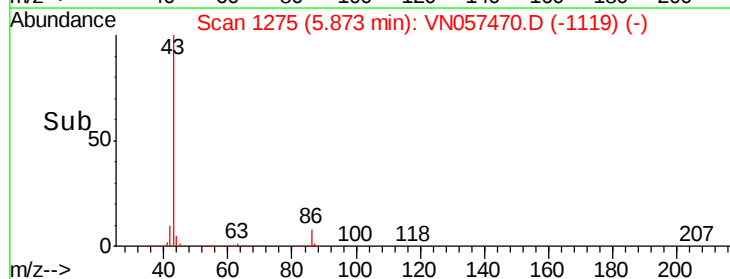
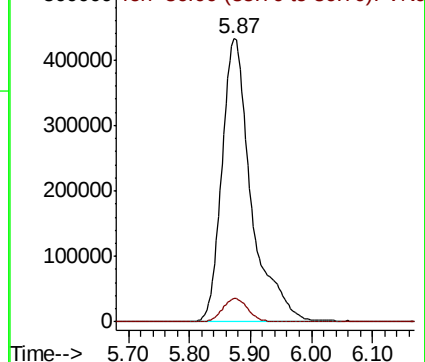
Ion Ratio Lower Upper

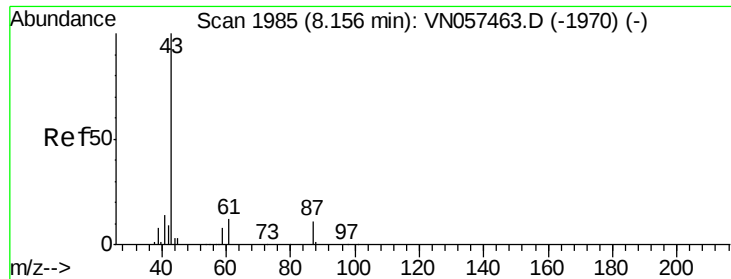
43 100

86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#44

Isopropyl Acetate

Concen: 20.731 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

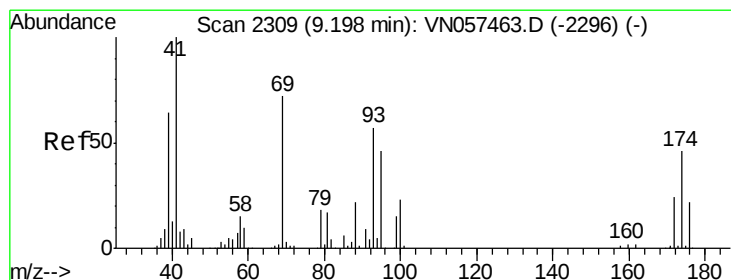
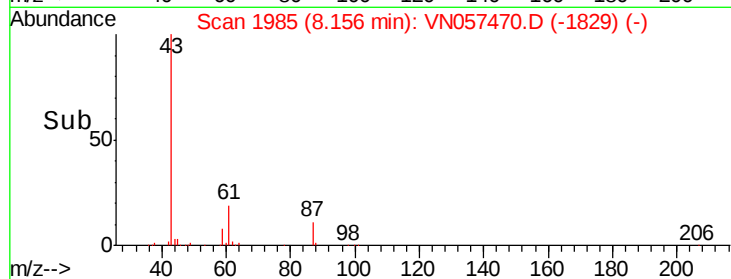
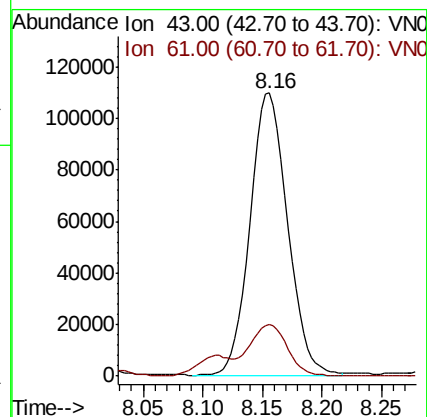
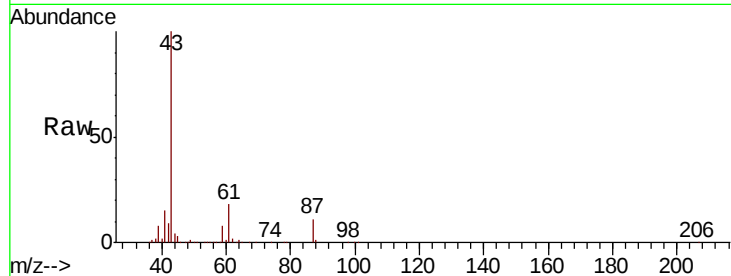
VN0823WBS01

Tgt Ion: 43 Resp: 239181

Ion Ratio Lower Upper

43 100

61 18.5 0.1 0.1#



#45

1,4-Dioxane

Concen: 189.806 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

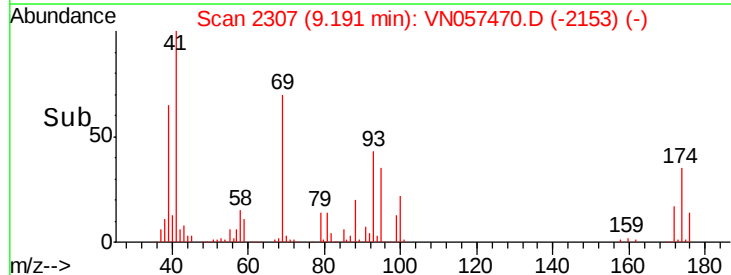
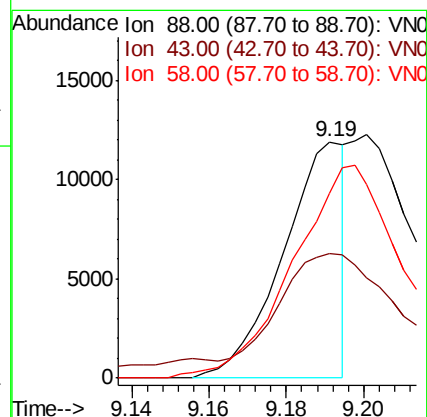
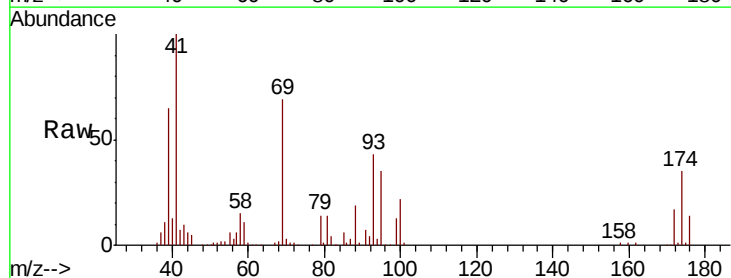
Tgt Ion: 88 Resp: 13163

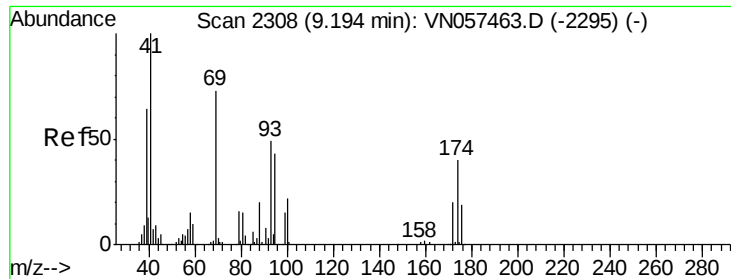
Ion Ratio Lower Upper

88 100

43 81.8 29.8 44.6#

58 169.0 62.2 93.2#

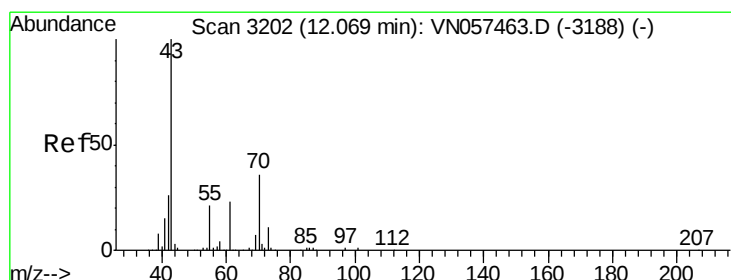
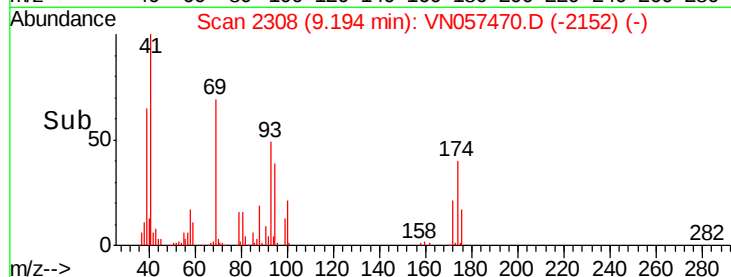
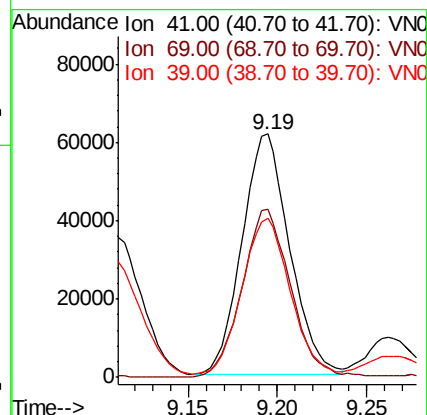
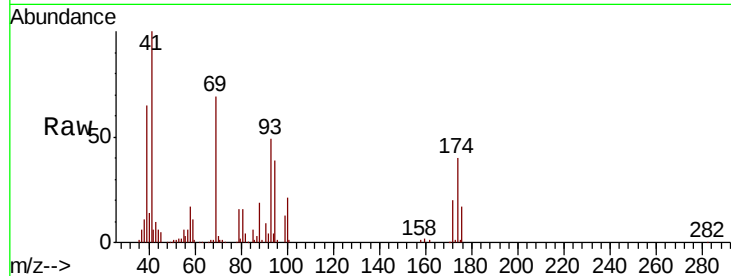




#46
Methyl methacrylate
Concen: 20.962 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

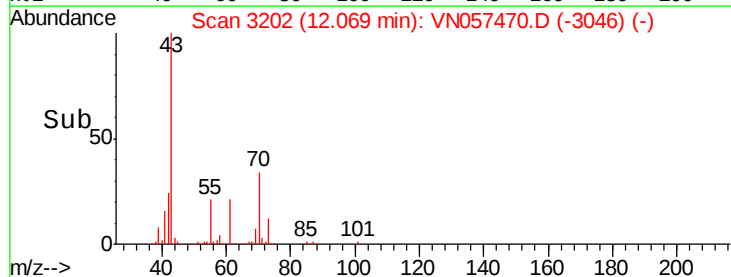
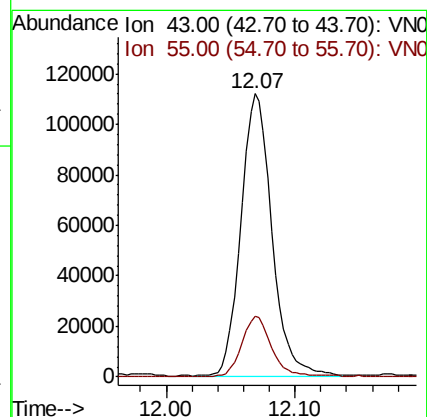
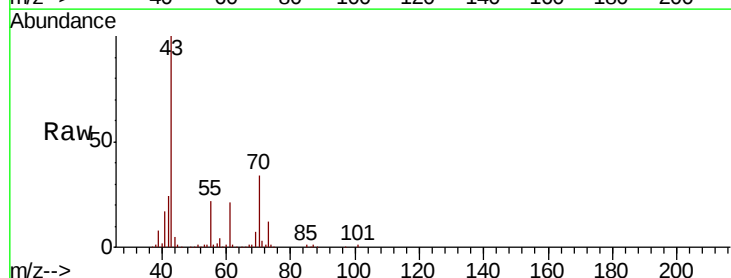
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

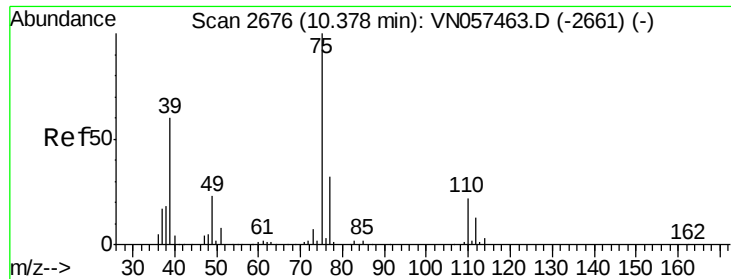
Tgt Ion: 41 Resp: 114855
Ion Ratio Lower Upper
41 100
69 69.4 36.5 109.5
39 64.5 32.1 96.3



#47
n-ethyl acetate
Concen: 20.006 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion: 43 Resp: 185773
Ion Ratio Lower Upper
43 100
55 19.9 17.0 25.6





#48

t-1,3-Dichloropropene

Concen: 19.764 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

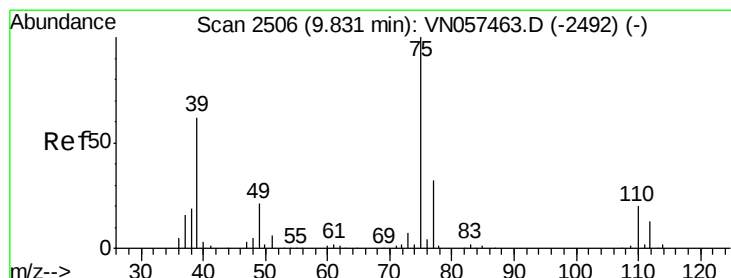
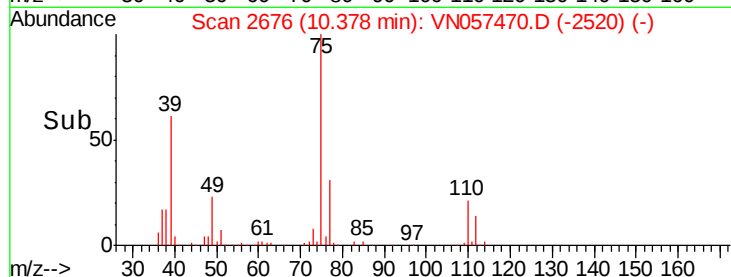
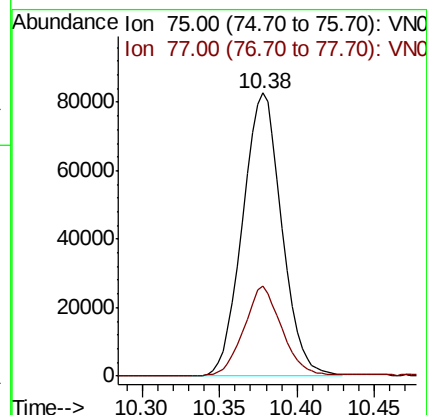
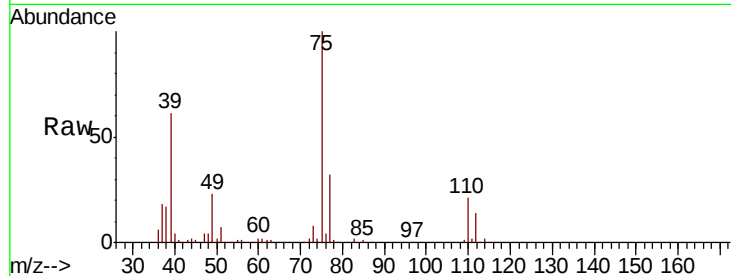
VN0823WBS01

Tgt Ion: 75 Resp: 146143

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#49

cis-1,3-Dichloropropene

Concen: 19.900 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

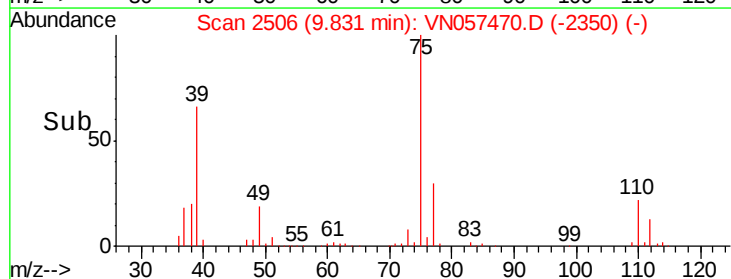
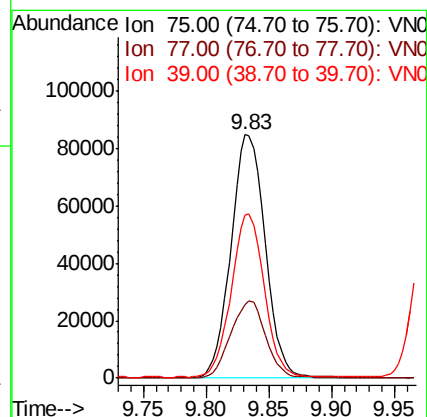
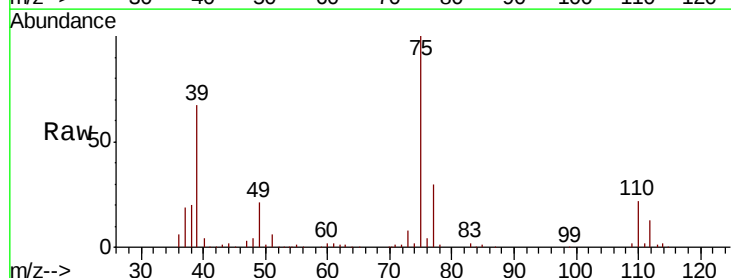
Tgt Ion: 75 Resp: 161730

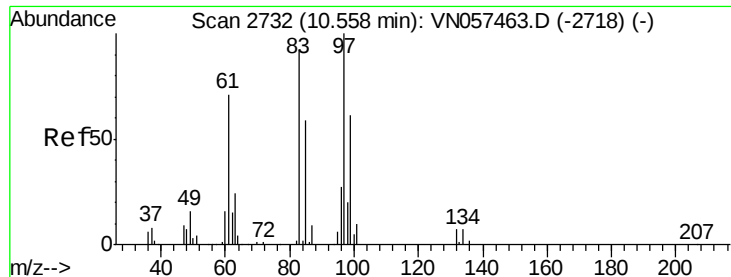
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 66.4 49.8 74.6

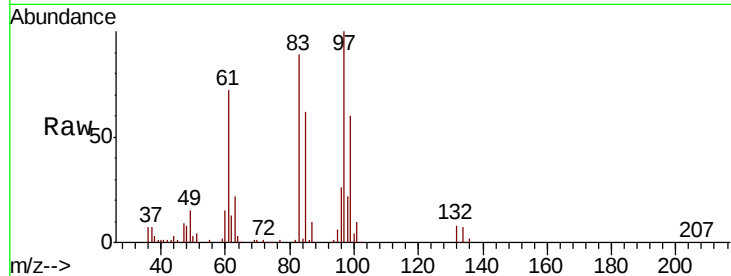




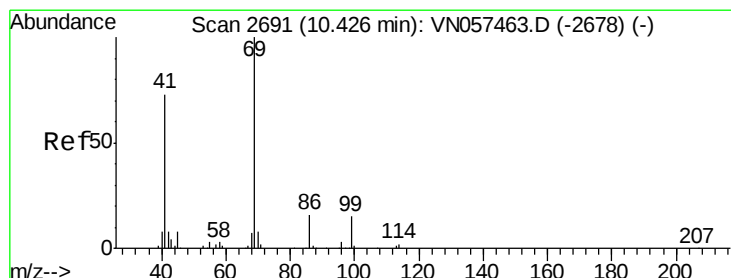
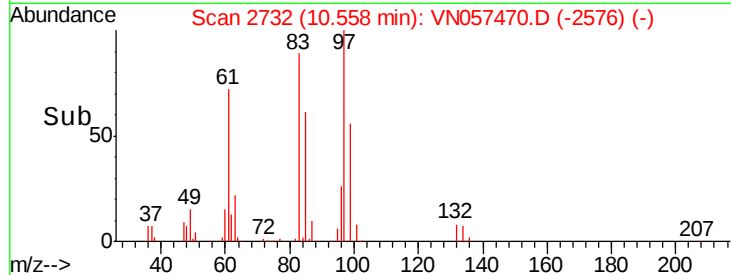
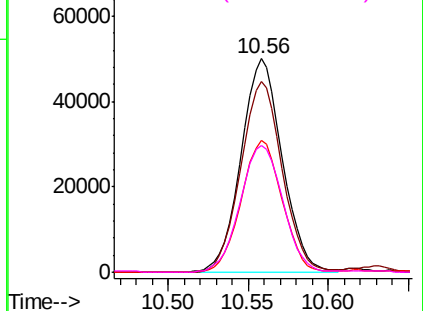
#50
 1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tgt Ion:	97	Resp:	88020
Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.2	109.8
85	61.7	47.1	70.7
99	59.6	49.0	73.4

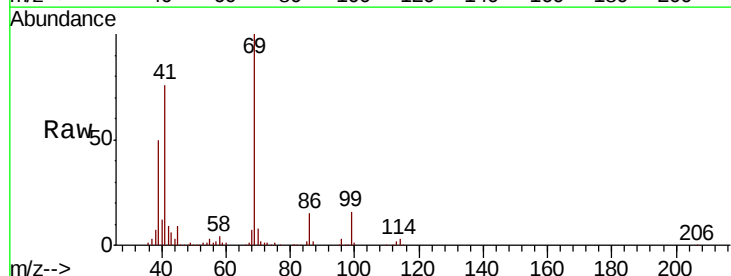


Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO

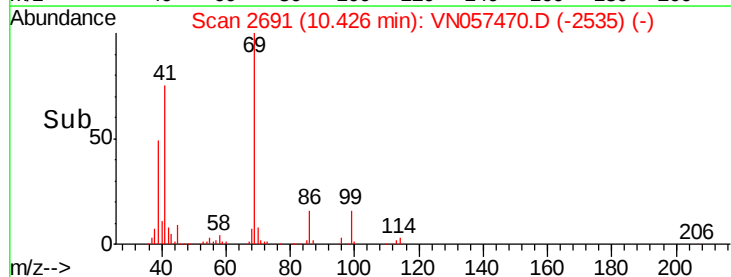
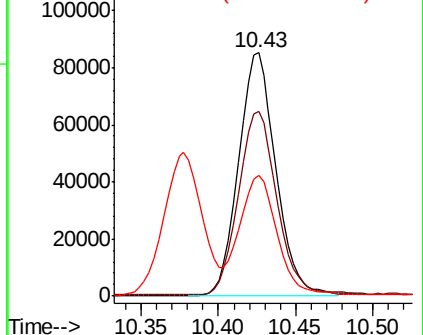


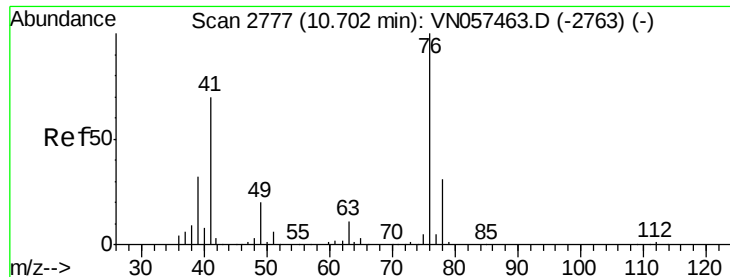
#51
 Ethyl methacrylate
 Concen: 19.884 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion:	69	Resp:	143042
Ion	Ratio	Lower	Upper
69	100		
41	75.1	37.0	111.1
39	48.9	24.4	73.4



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





#52

1,3-Dichloropropane

Concen: 20.148 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

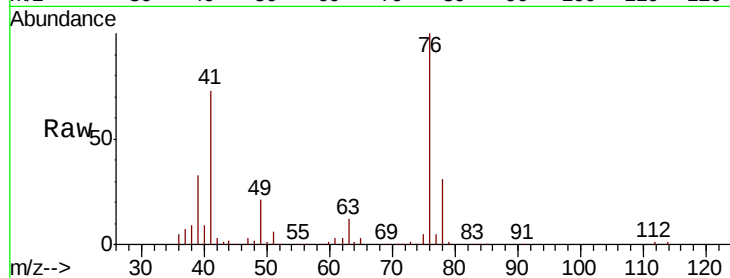
VN0823WBS01

Tgt Ion: 76 Resp: 158967

Ion Ratio Lower Upper

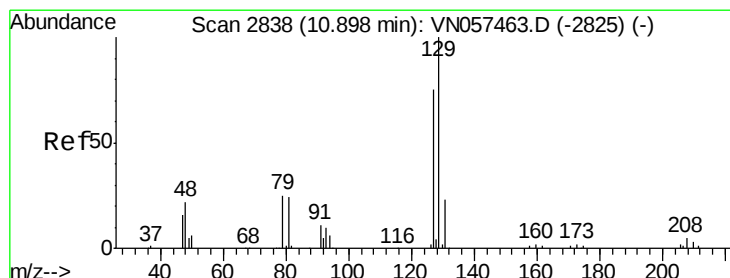
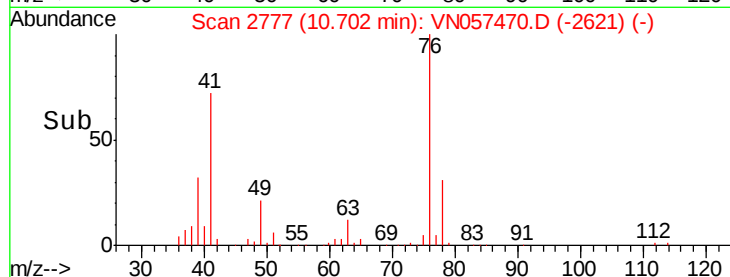
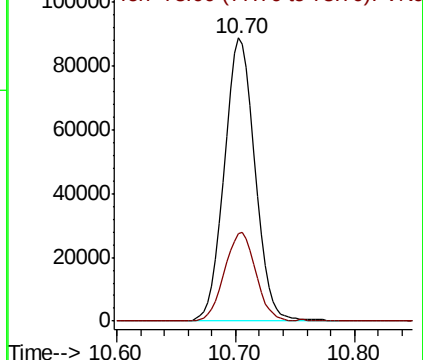
76 100

78 31.9 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



#53

Dibromochloromethane

Concen: 19.851 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057470.D

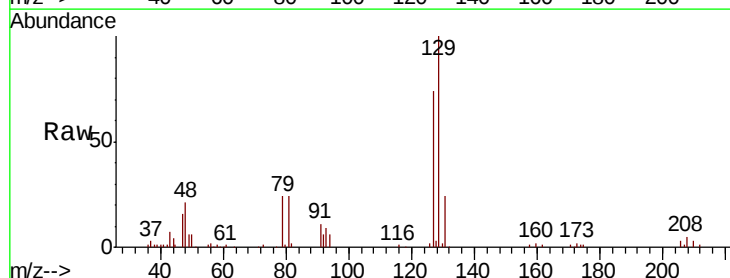
Acq: 23 Aug 2019 13:24

Tgt Ion: 129 Resp: 91580

Ion Ratio Lower Upper

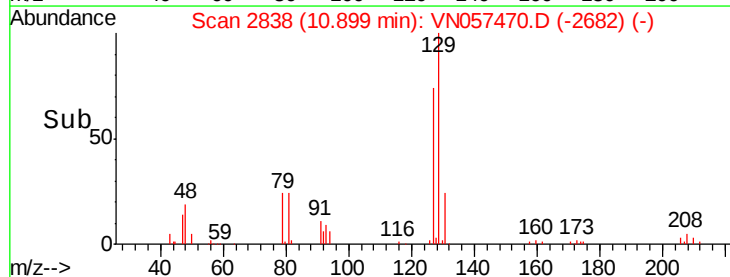
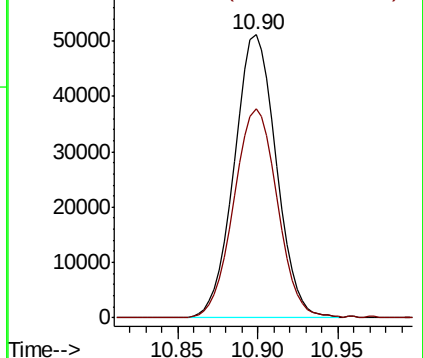
129 100

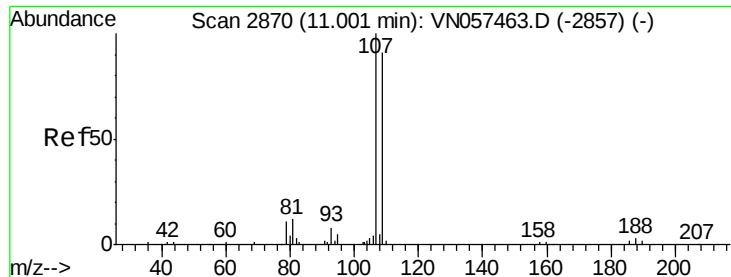
127 76.7 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

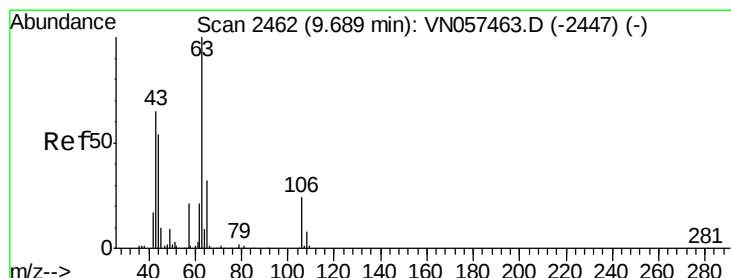
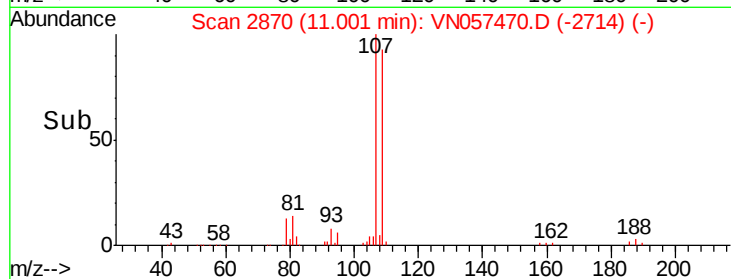
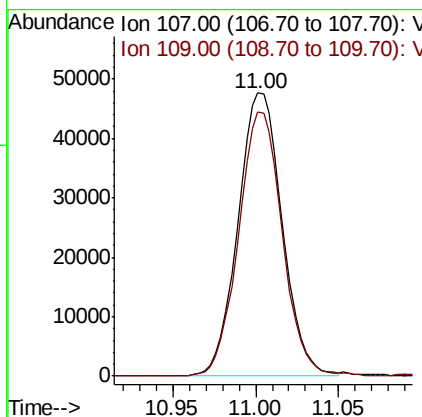
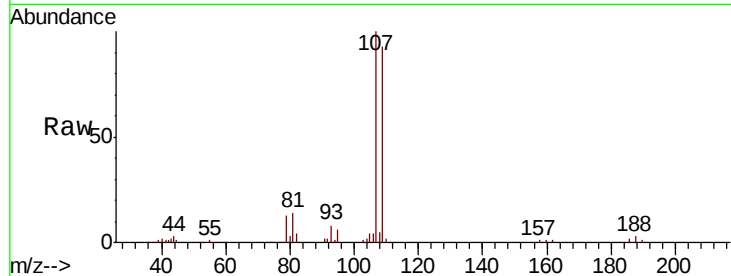




#54
 1,2-Dibromoethane
 Concen: 19.903 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

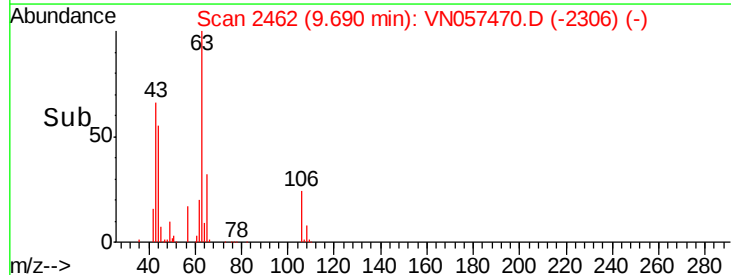
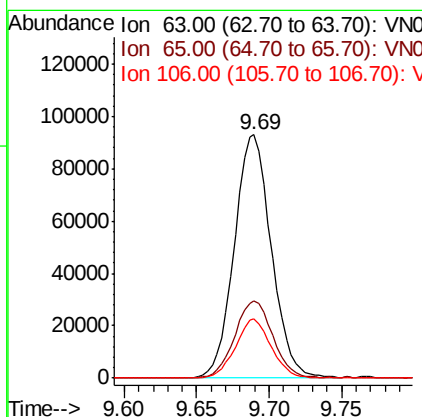
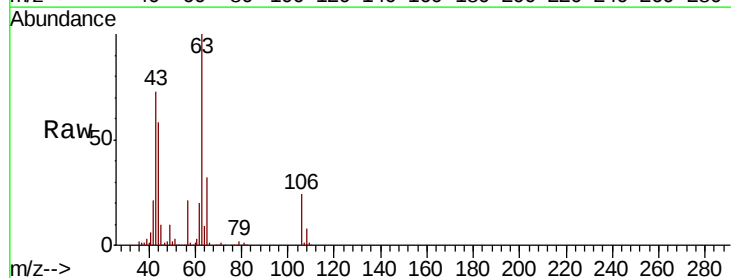
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

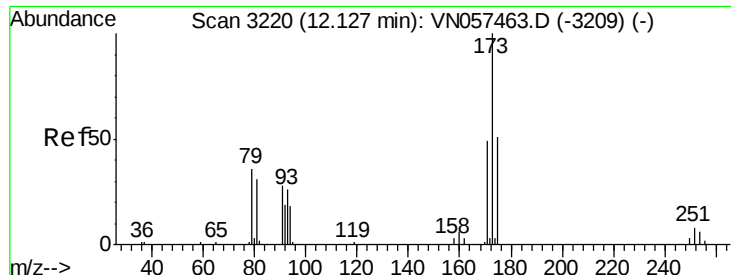
Tgt Ion: 107 Resp: 88129
 Ion Ratio Lower Upper
 107 100
 109 92.5 73.2 109.8



#55
 2-Chloroethyl vinyl ether
 Concen: 93.130 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 63 Resp: 165146
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.1 37.7
 106 23.4 18.7 28.1

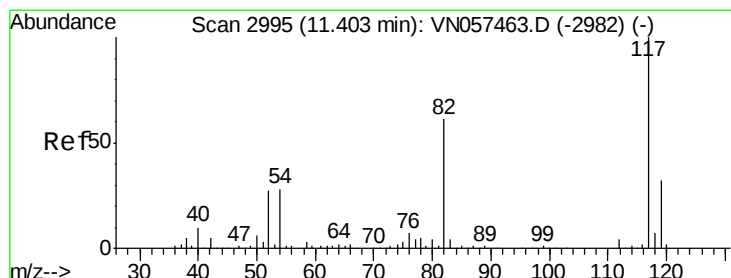
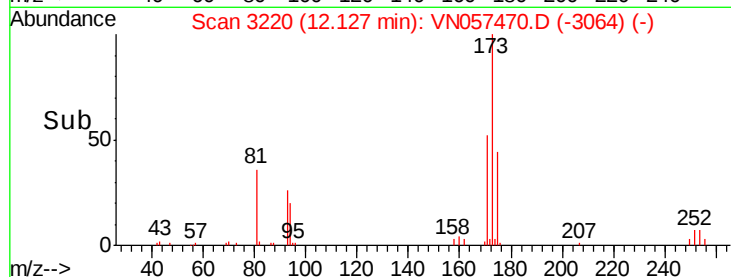
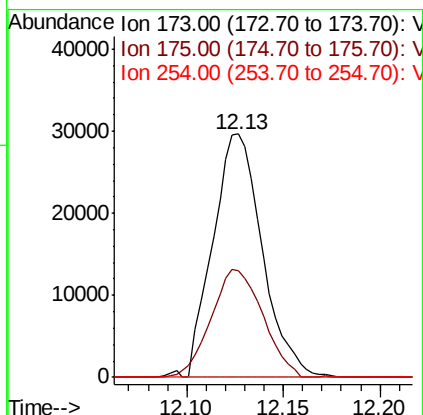
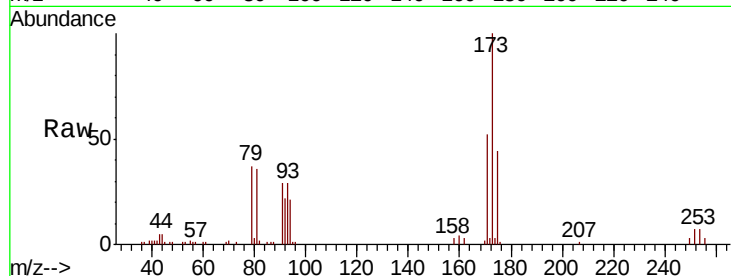




#56
Bromoform
Concen: 19.126 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

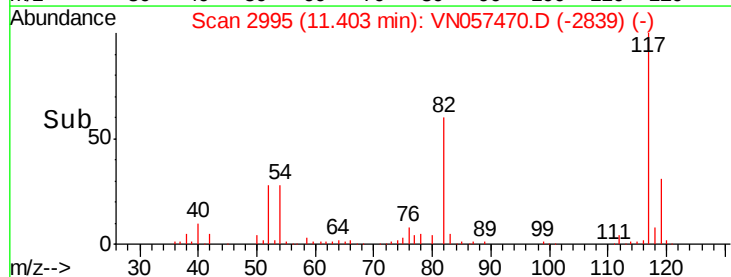
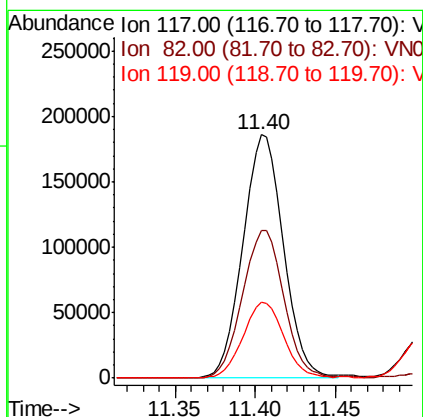
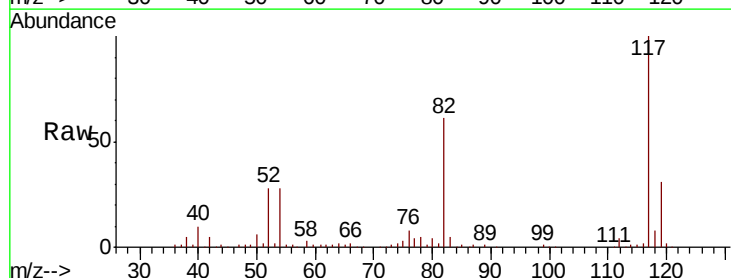
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

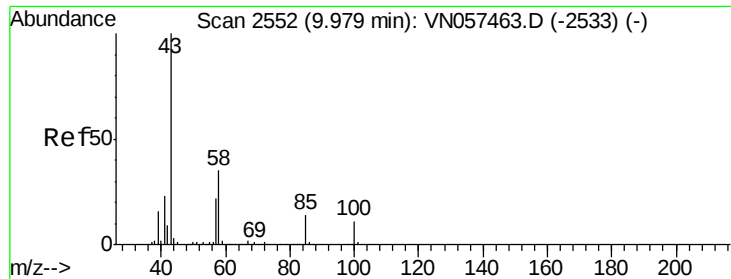
Tgt Ion:173 Resp: 52661
Ion Ratio Lower Upper
173 100
175 46.5 40.1 60.1
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:117 Resp: 321737
Ion Ratio Lower Upper
117 100
82 62.2 50.4 75.6
119 31.3 25.4 38.2

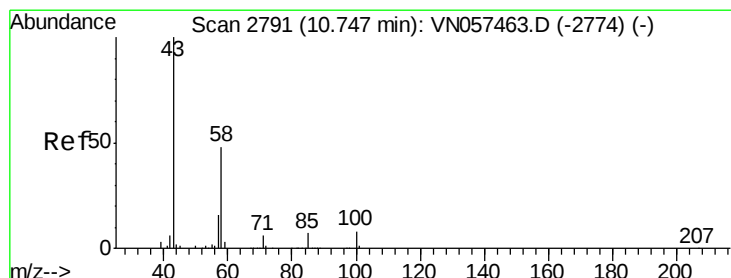
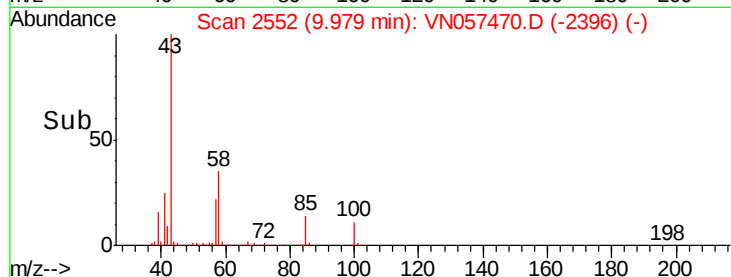
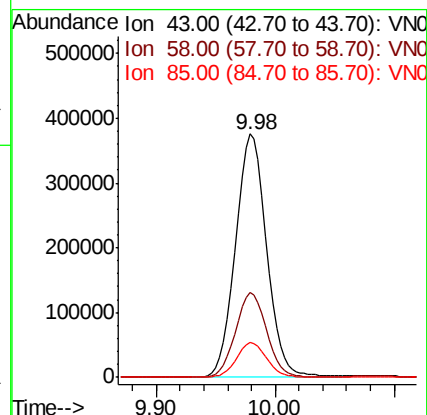
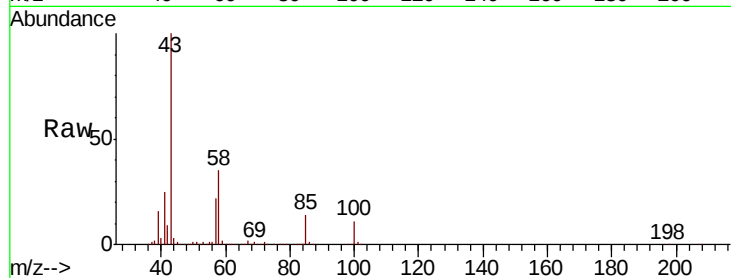




#58
 4-Methyl-2-Pentanone
 Concen: 107.760 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

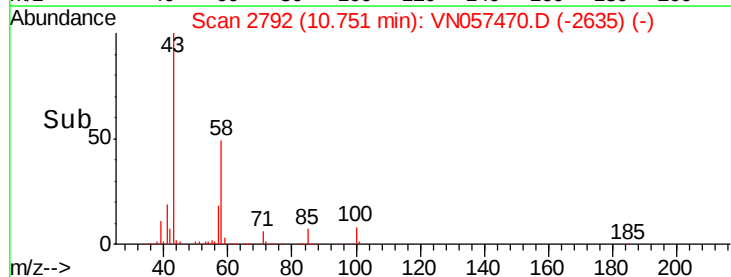
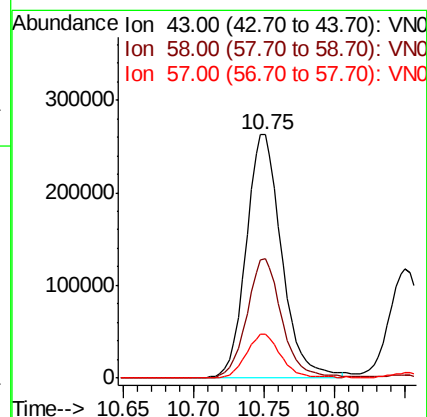
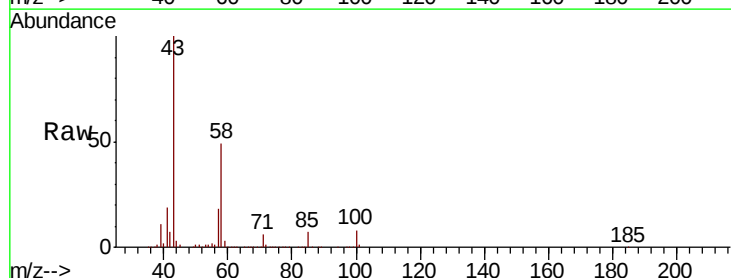
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

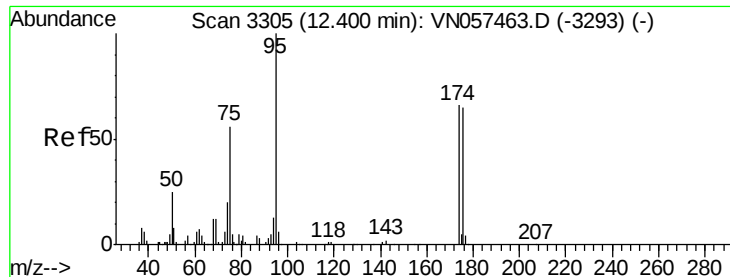
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.0	42.0
85	14.0	11.3	16.9



#59
 2-Hexanone
 Concen: 105.606 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
57	17.7	13.0	19.4





#60

4-Bromofluorobenzene

Concen: 28.466 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

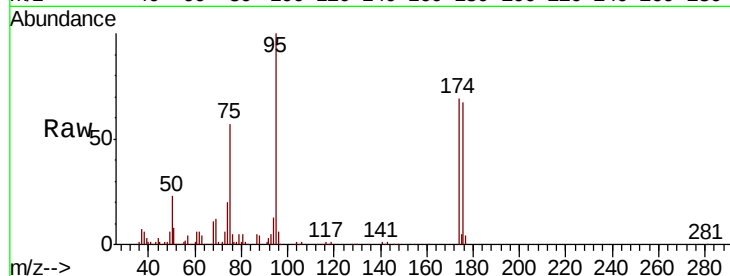
Tgt Ion: 95 Resp: 151026

Ion Ratio Lower Upper

95 100

174 68.7 54.9 82.3

176 65.8 54.2 81.4

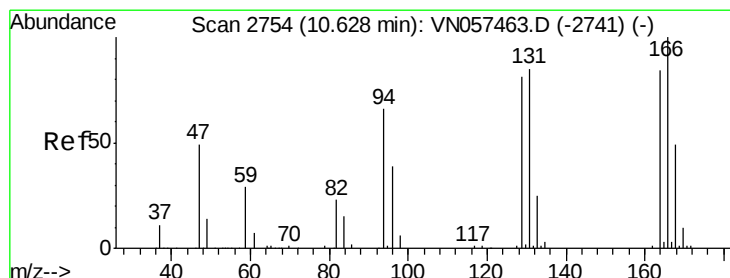
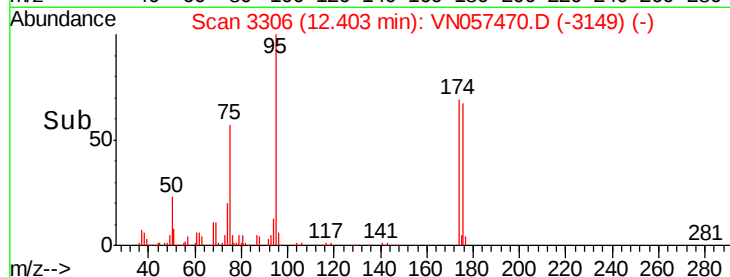
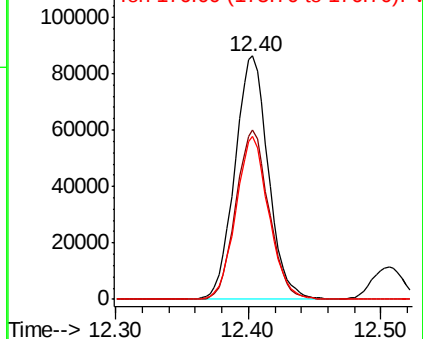


Abundance

Ion 95.00 (94.70 to 95.70): VN057463.D (-3293) (-)

Ion 174.00 (173.70 to 174.70): VN057463.D (-3293) (-)

Ion 176.00 (175.70 to 176.70): VN057463.D (-3293) (-)



#61

Tetrachloroethene

Concen: 20.577 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Tgt Ion: 164 Resp: 75924

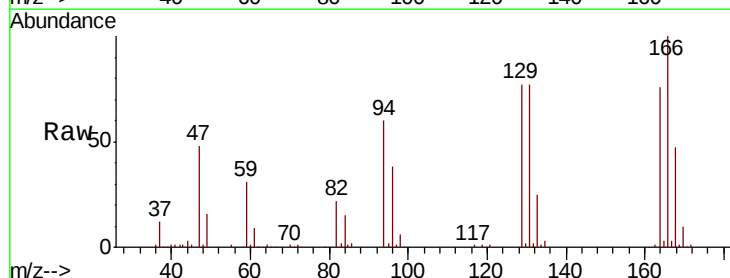
Ion Ratio Lower Upper

164 100

166 132.4 95.8 143.6

129 101.4 77.2 115.8

131 101.8 81.1 121.7



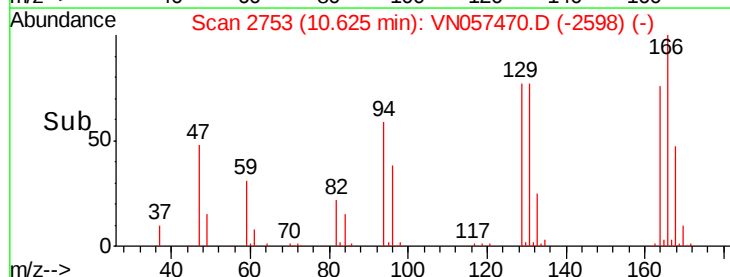
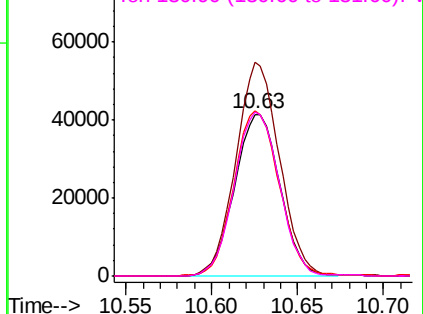
Abundance

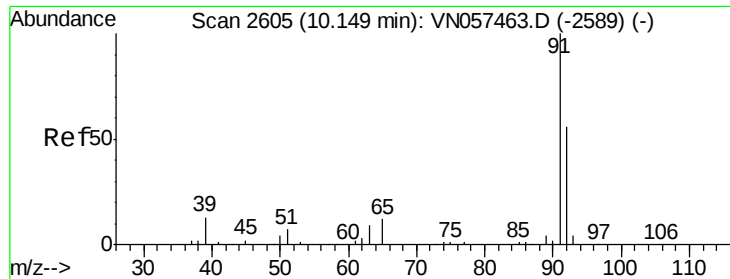
Ion 163.85 (163.55 to 164.55): VN057463.D (-2741) (-)

Ion 165.80 (165.50 to 166.50): VN057463.D (-2741) (-)

Ion 128.90 (128.60 to 129.60): VN057463.D (-2741) (-)

Ion 130.90 (130.60 to 131.60): VN057463.D (-2741) (-)





#62

Toluene

Concen: 20.377 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

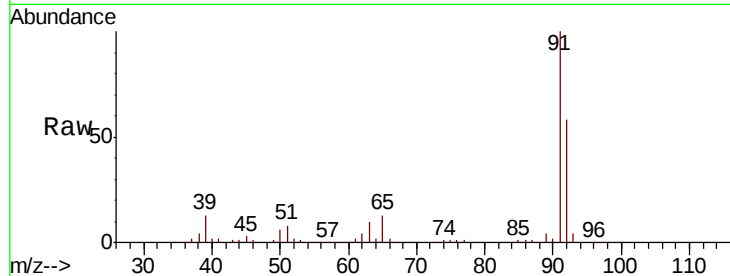
VN0823WBS01

Tgt Ion: 91 Resp: 400693

Ion Ratio Lower Upper

91 100

92 57.3 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.15

200000

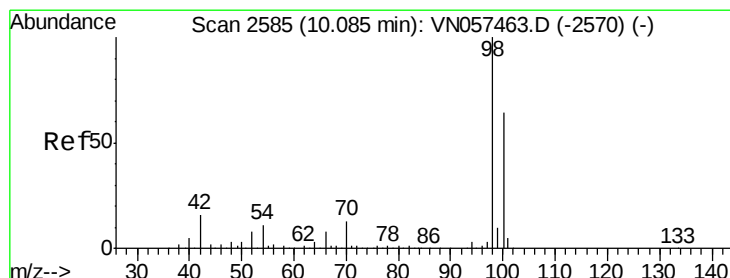
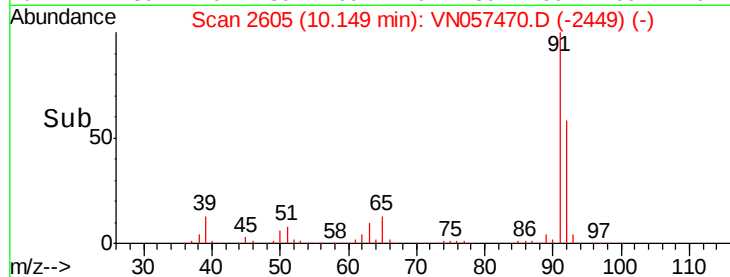
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 30.121 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057470.D

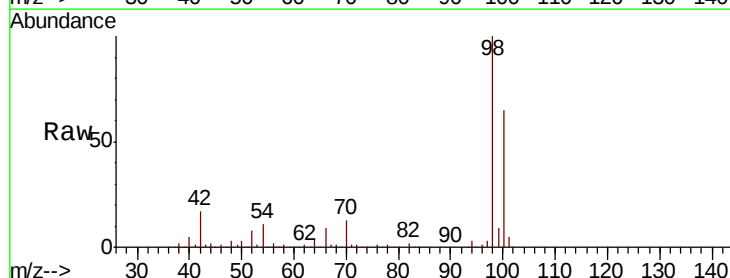
Acq: 23 Aug 2019 13:24

Tgt Ion: 98 Resp: 489398

Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

300000

250000

200000

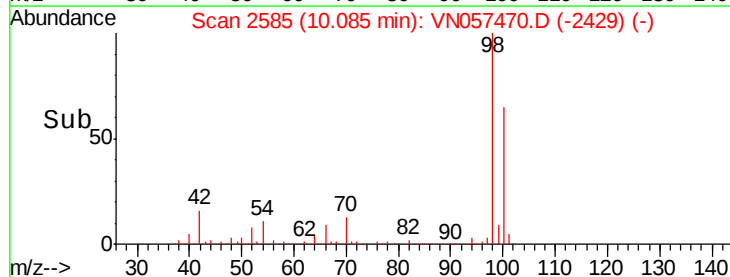
150000

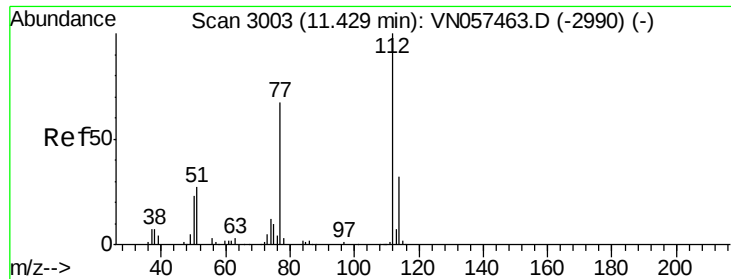
100000

50000

0

Time-->

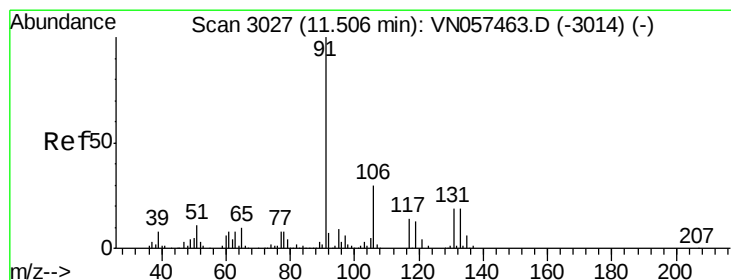
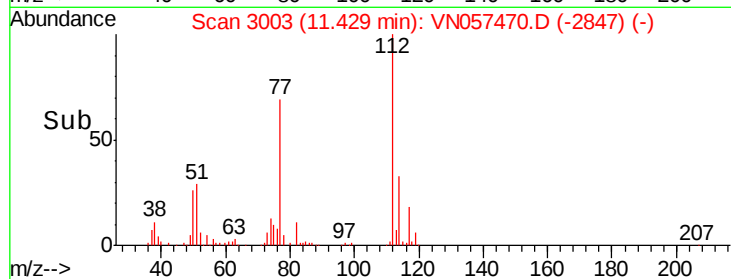
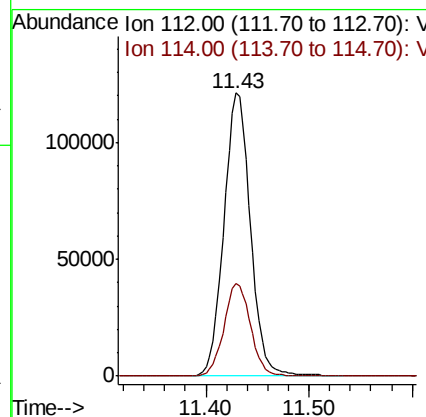
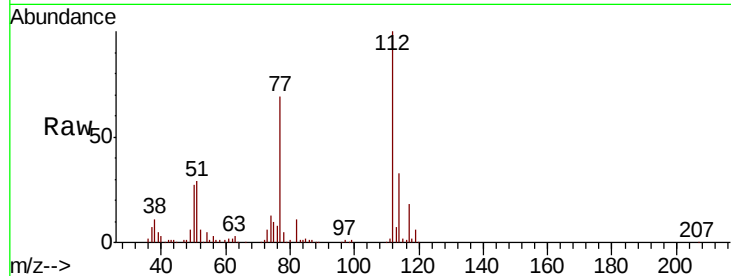




#64
Chlorobenzene
Concen: 20.293 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

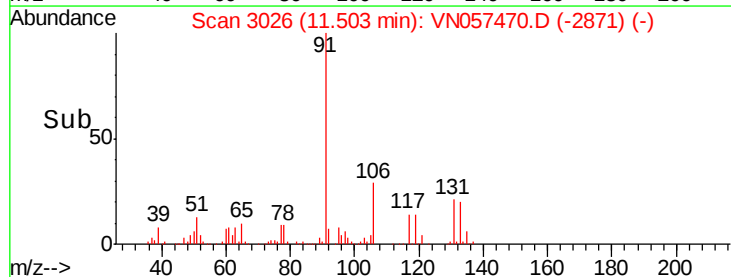
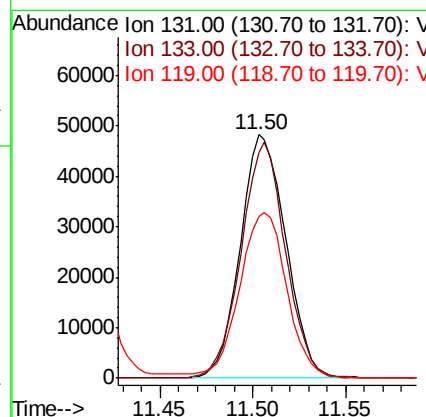
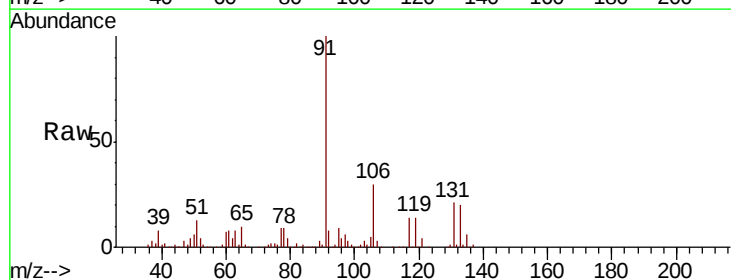
Instrument :
MSVOA_N
ClientSampled :
VN0823WBS01

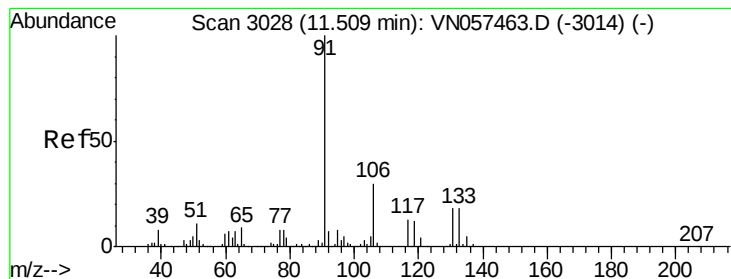
Tgt Ion:112 Resp: 216935
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 20.293 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:131 Resp: 82444
Ion Ratio Lower Upper
131 100
133 94.7 0.0 193.6
119 70.5 0.0 137.4





#66

Ethyl Benzene

Concen: 20.297 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

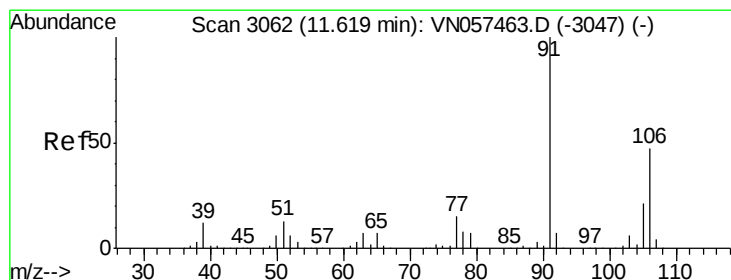
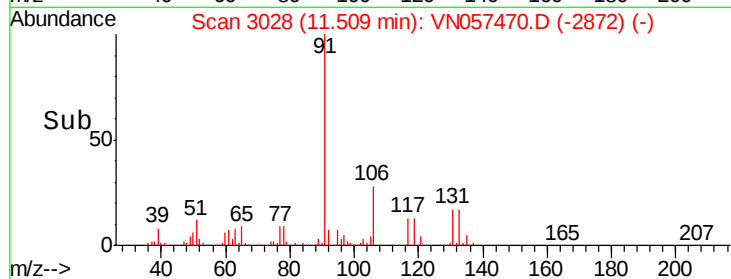
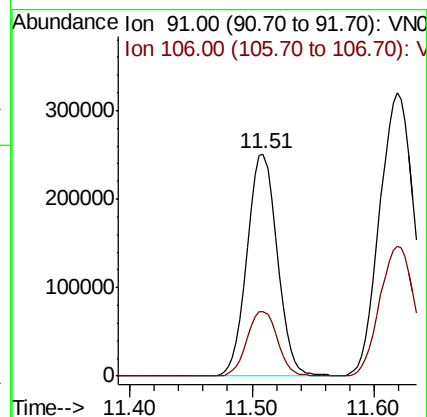
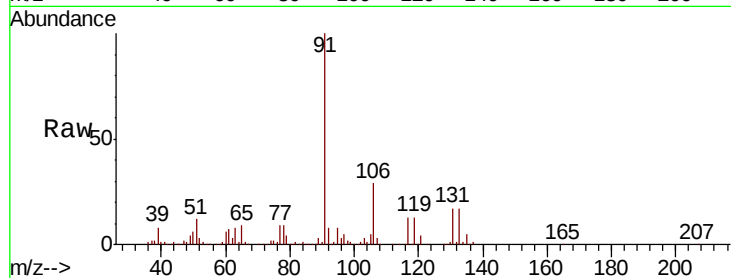
VN0823WBS01

Tgt Ion: 91 Resp: 427134

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4



#67

m/p-Xylenes

Concen: 40.214 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057470.D

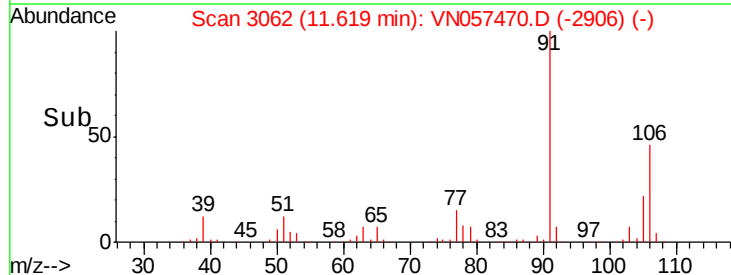
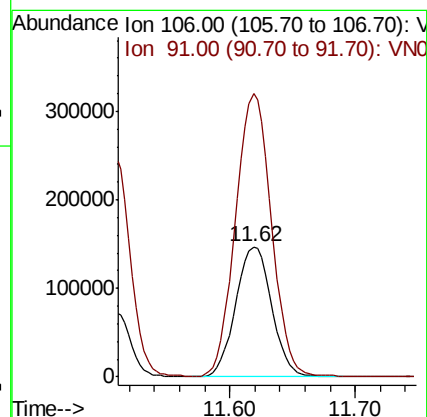
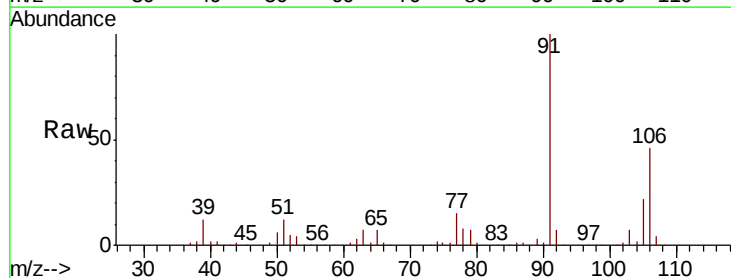
Acq: 23 Aug 2019 13:24

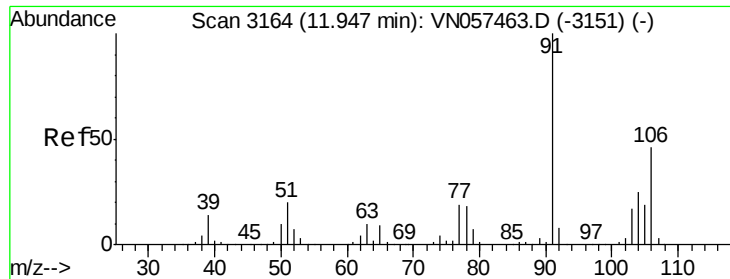
Tgt Ion: 106 Resp: 293530

Ion Ratio Lower Upper

106 100

91 215.7 172.9 259.3

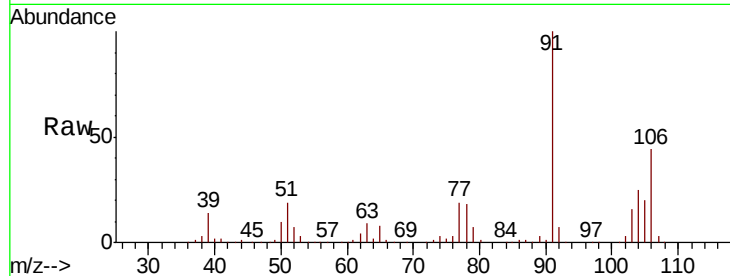




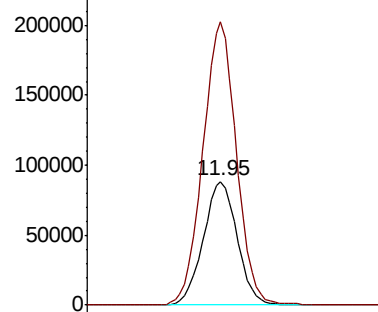
#68
o-Xylene
Concen: 20.637 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

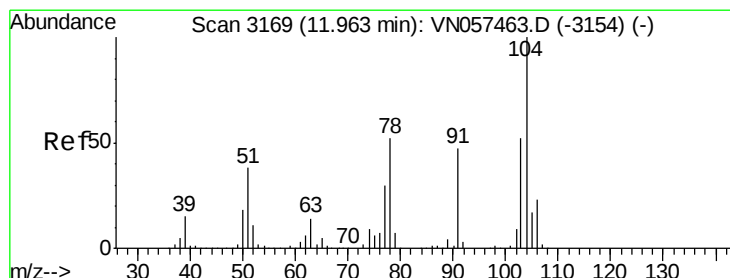
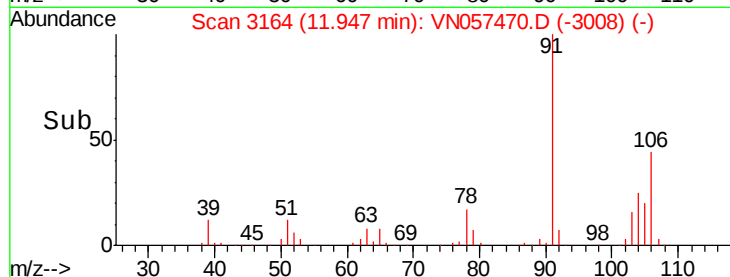
Tgt Ion:106 Resp: 148861
Ion Ratio Lower Upper
106 100
91 224.2 111.1 333.4



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

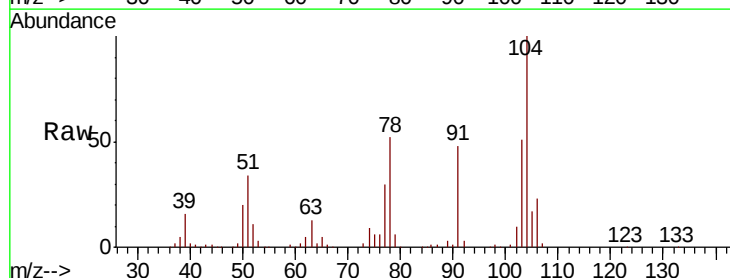


Time-->

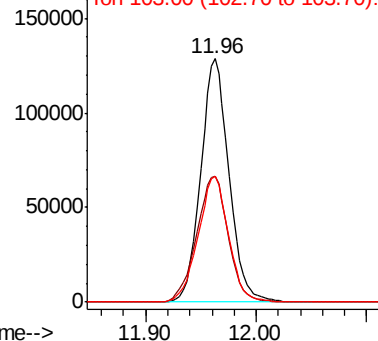


#69
Styrene
Concen: 19.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

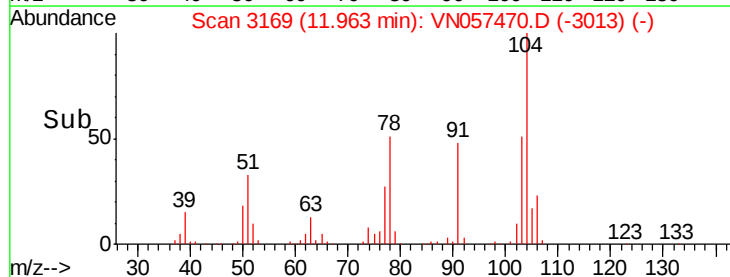
Tgt Ion:104 Resp: 228495
Ion Ratio Lower Upper
104 100
78 57.8 46.5 69.7
103 55.5 45.9 68.9

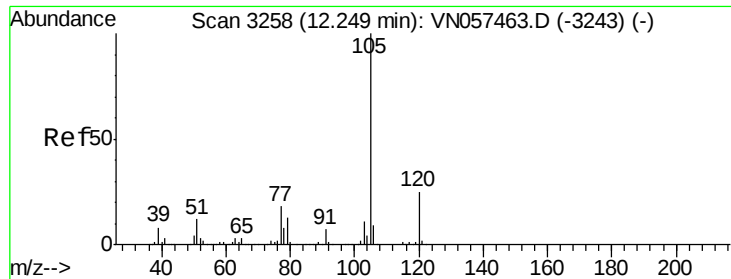


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





#70

Isopropylbenzene

Concen: 20.346 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

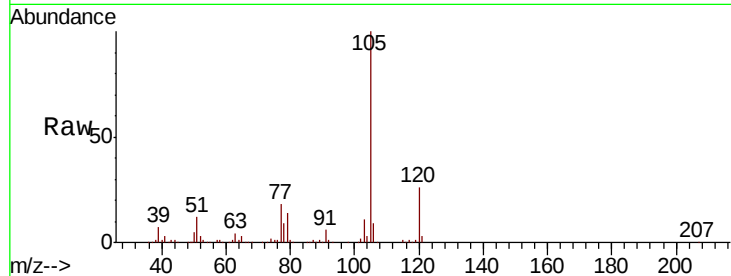
VN0823WBS01

Tgt Ion: 105 Resp: 392616

Ion Ratio Lower Upper

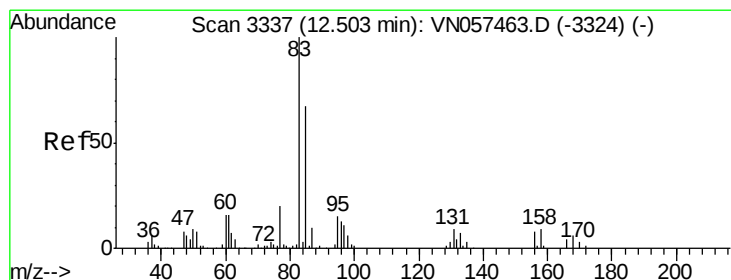
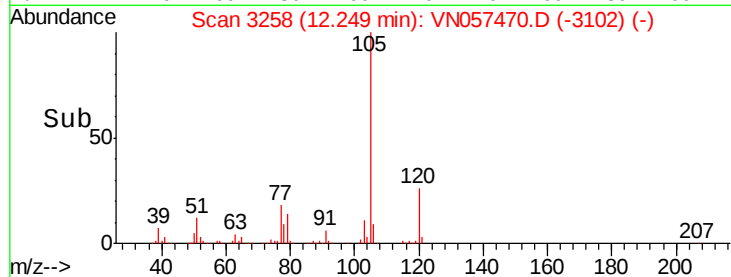
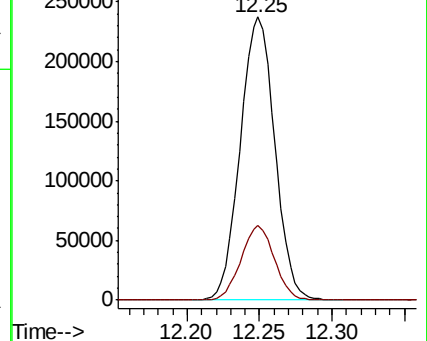
105 100

120 25.4 17.8 33.1



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: 21.327 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

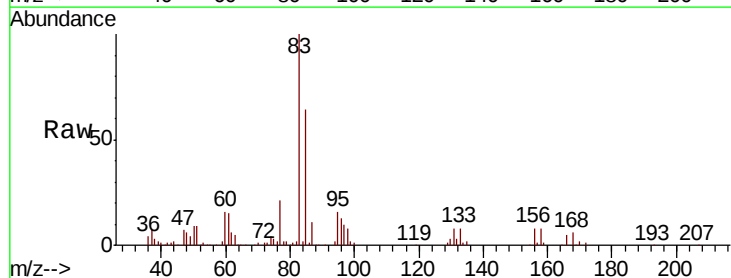
Tgt Ion: 83 Resp: 119013

Ion Ratio Lower Upper

83 100

131 8.7 4.7 14.1

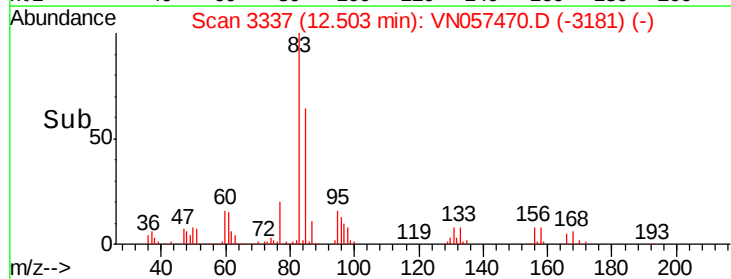
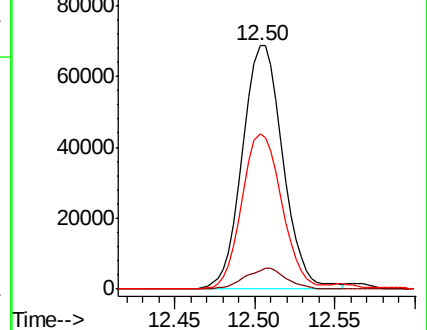
85 62.8 33.1 99.2

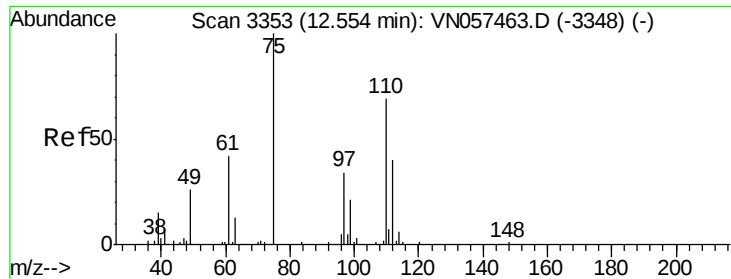


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 29.462 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

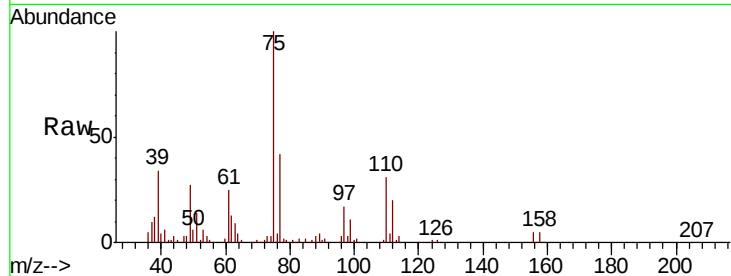
VN0823WBS01

Tgt Ion: 75 Resp: 149248

Ion Ratio Lower Upper

75 100

77 135.6 0.0 380.2



Abundance Ion 75.00 (74.70 to 75.70): VN057463.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057463.D (-3348) (-)

100000

80000

60000

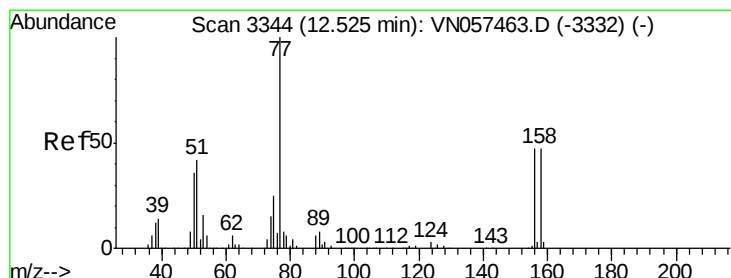
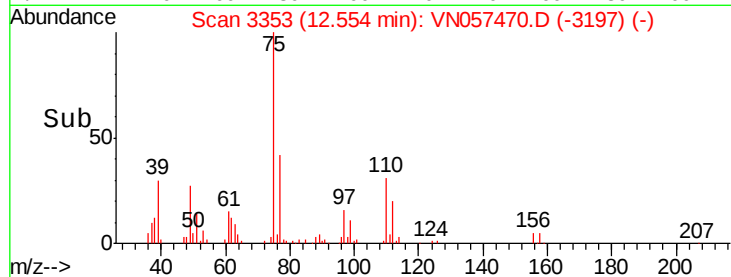
40000

20000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 19.961 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

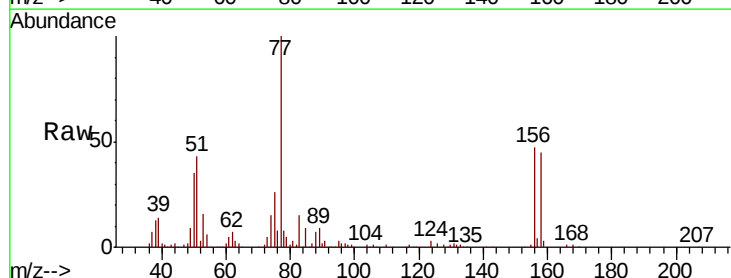
Tgt Ion: 156 Resp: 77967

Ion Ratio Lower Upper

156 100

77 259.6 0.0 506.8

158 95.6 0.0 196.6



Abundance Ion 156.00 (155.70 to 156.70): VN057463.D (-3332) (-)

Ion 77.00 (76.70 to 77.70): VN057463.D (-3332) (-)

Ion 158.00 (157.70 to 158.70): VN057463.D (-3332) (-)

120000

100000

80000

60000

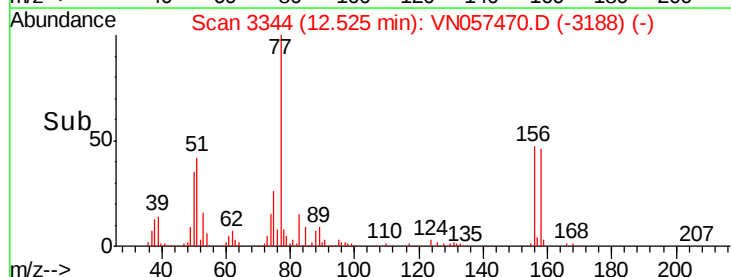
40000

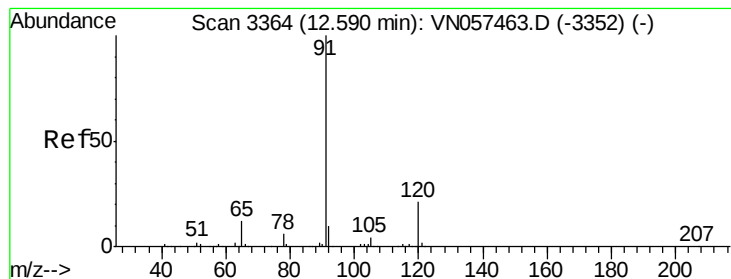
20000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 19.923 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

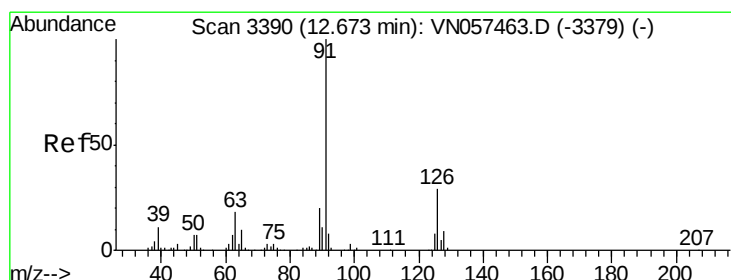
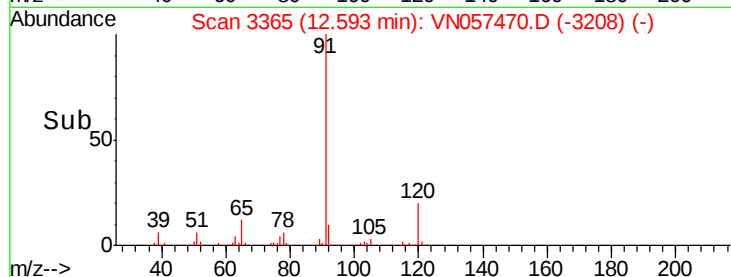
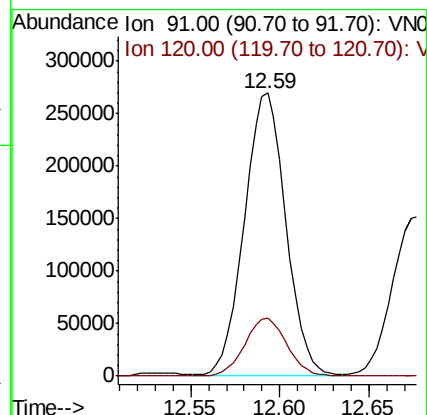
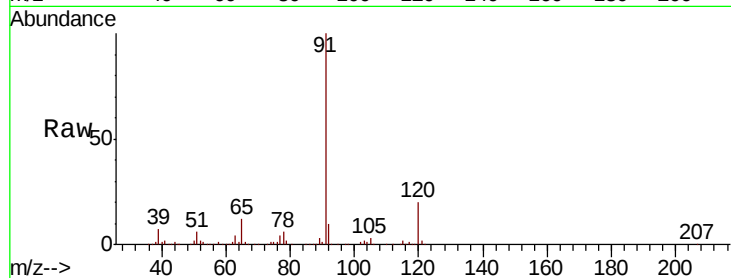
VN0823WBS01

Tgt Ion: 91 Resp: 438384

Ion Ratio Lower Upper

91 100

120 20.7 0.0 42.2



#75

2-Chlorotoluene

Concen: 20.010 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057470.D

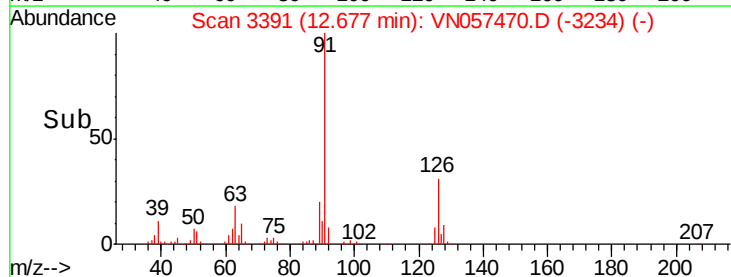
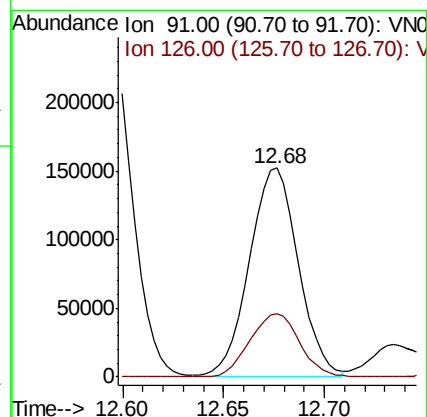
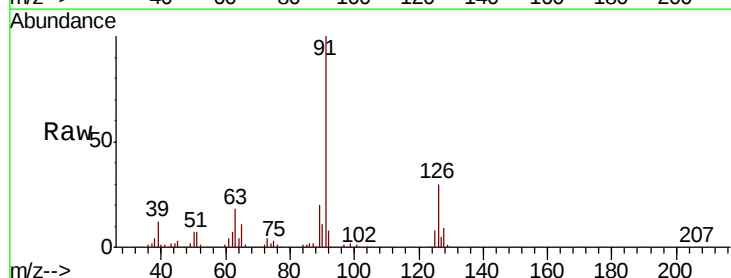
Acq: 23 Aug 2019 13:24

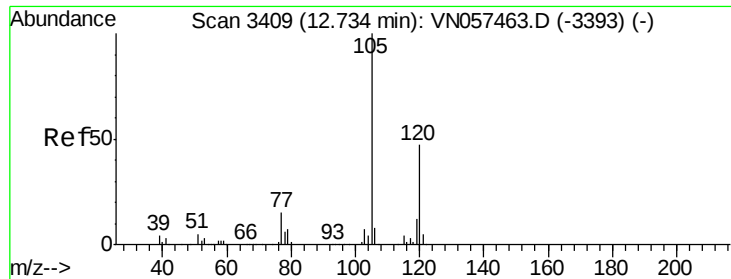
Tgt Ion: 91 Resp: 259310

Ion Ratio Lower Upper

91 100

126 30.8 0.0 60.4

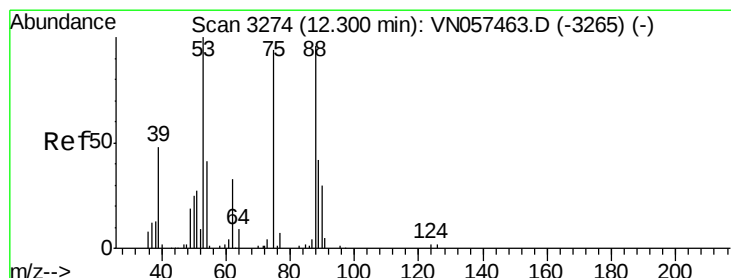
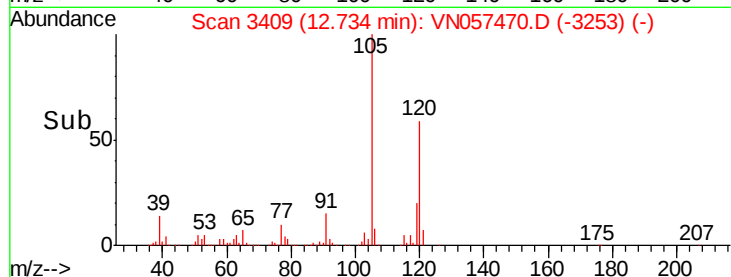
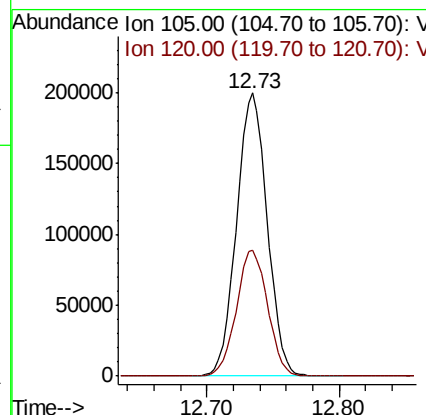
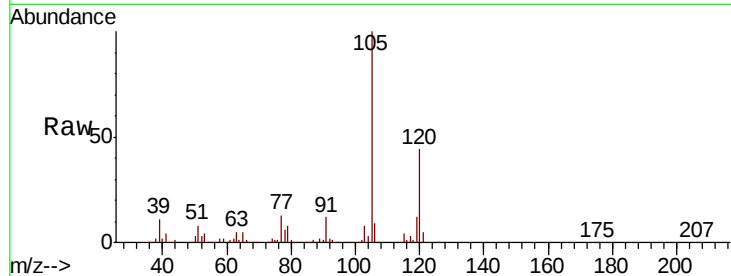




#76
 1,3,5-Trimethylbenzene
 Concen: 20.114 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

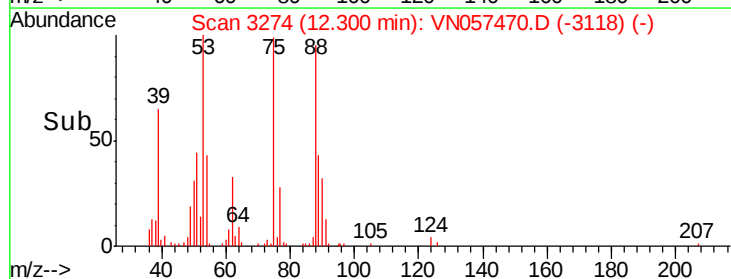
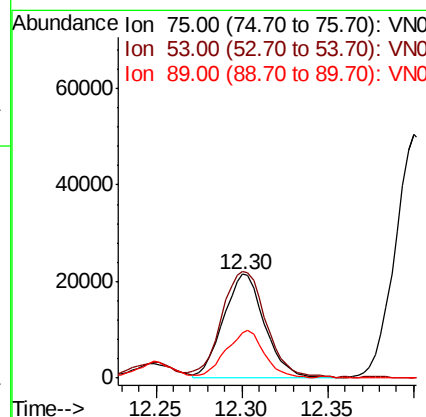
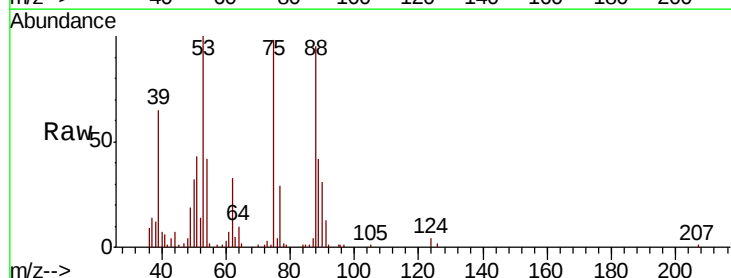
Instrument :
 MSVOA_N
 ClientSampled :
 VN0823WBS01

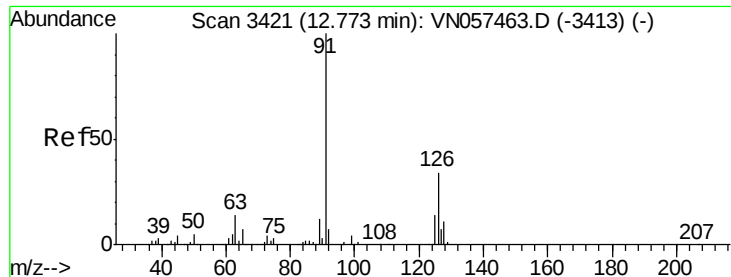
Tgt Ion: 105 Resp: 318535
 Ion Ratio Lower Upper
 105 100
 120 45.5 0.0 94.4



#77
 t-1,4-Dichloro-2-butene
 Concen: 20.042 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Tgt Ion: 75 Resp: 36409
 Ion Ratio Lower Upper
 75 100
 53 101.2 55.6 166.9
 89 43.3 23.8 71.4

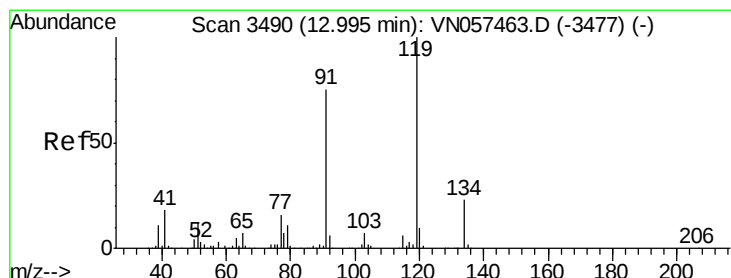
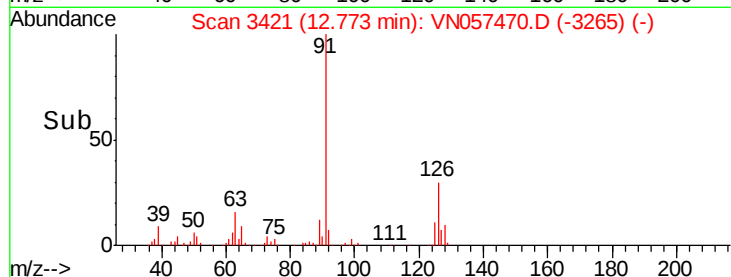
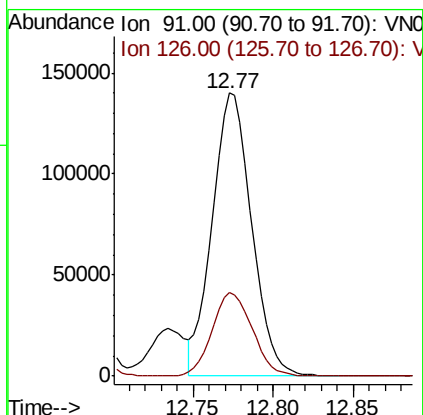
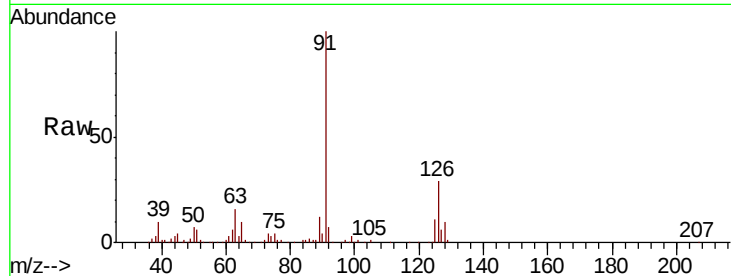




#78
4-Chlorotoluene
Concen: 19.478 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

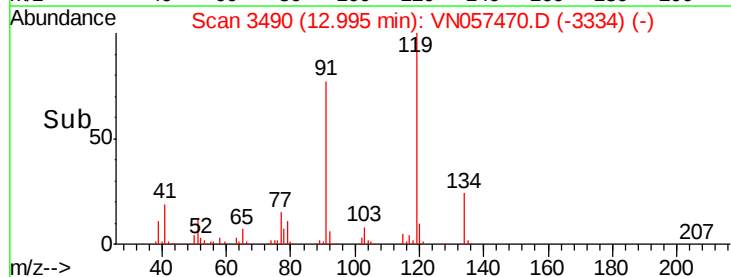
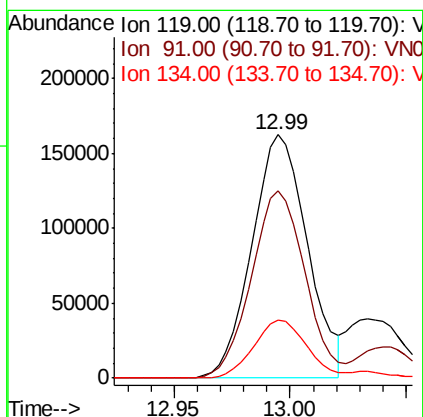
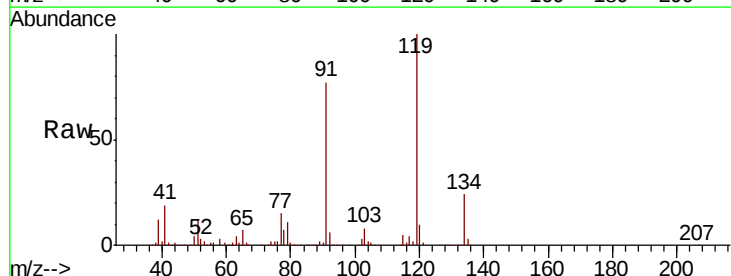
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

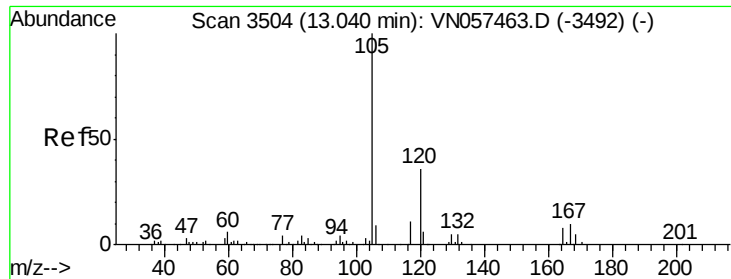
Tgt Ion: 91 Resp: 238494
Ion Ratio Lower Upper
91 100
126 30.0 0.0 61.6



#79
tert-butylbenzene
Concen: 20.082 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion: 119 Resp: 270616
Ion Ratio Lower Upper
119 100
91 74.7 0.0 146.6
134 22.9 0.0 46.2





#80

1,2,4-Trimethylbenzene

Concen: 19.859 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

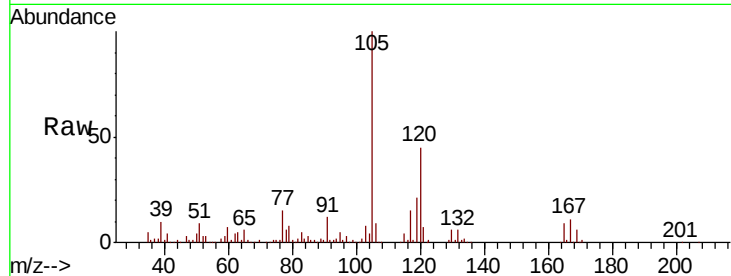
VN0823WBS01

Tgt Ion:105 Resp: 293201

Ion Ratio Lower Upper

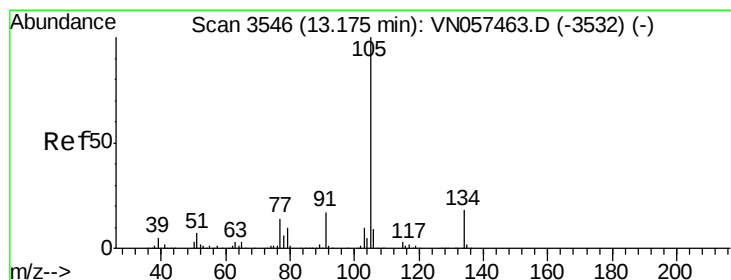
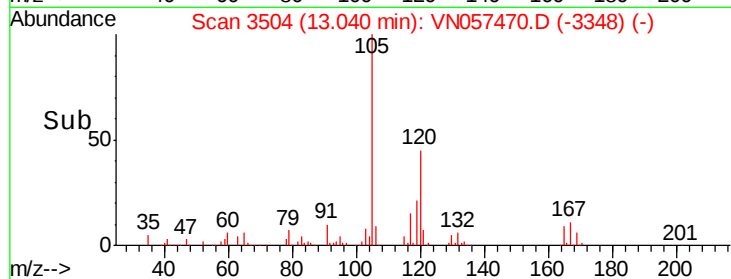
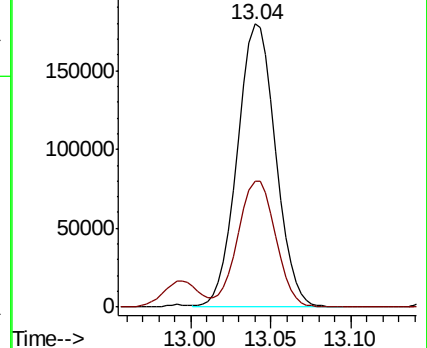
105 100

120 43.9 0.0 85.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 19.930 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057470.D

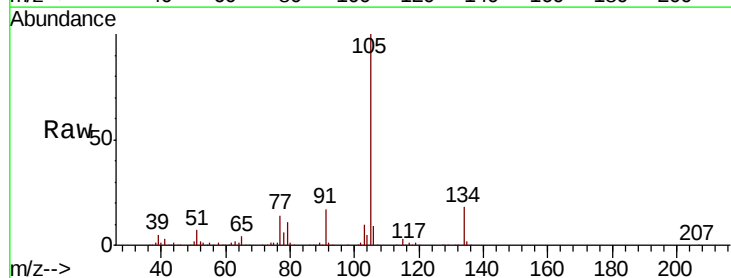
Acq: 23 Aug 2019 13:24

Tgt Ion:105 Resp: 353905

Ion Ratio Lower Upper

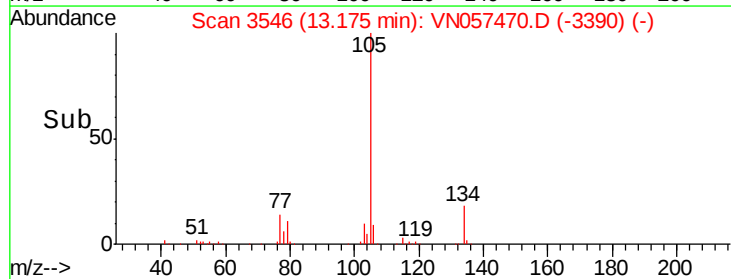
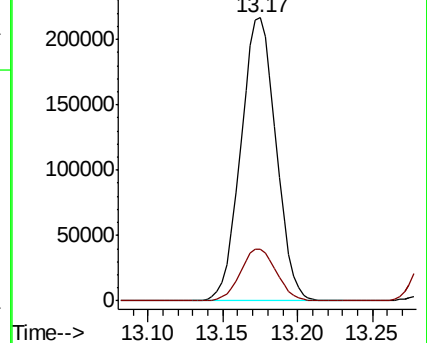
105 100

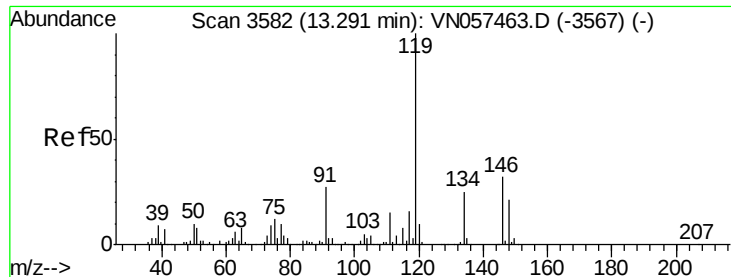
134 18.6 0.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

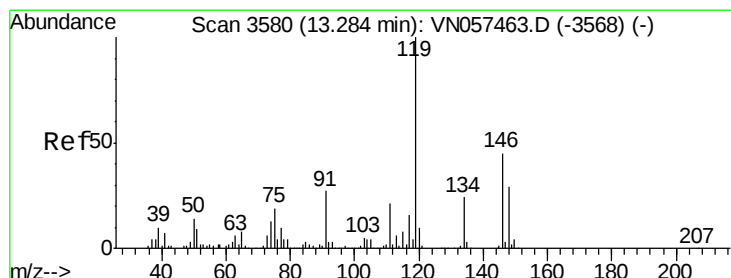
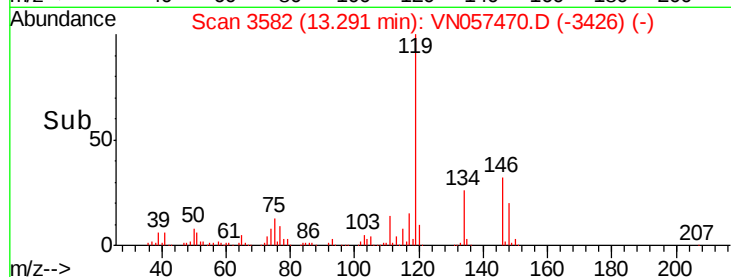
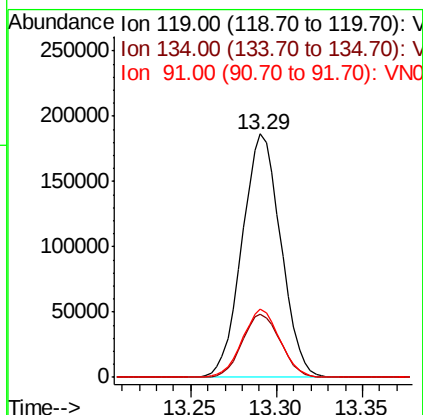
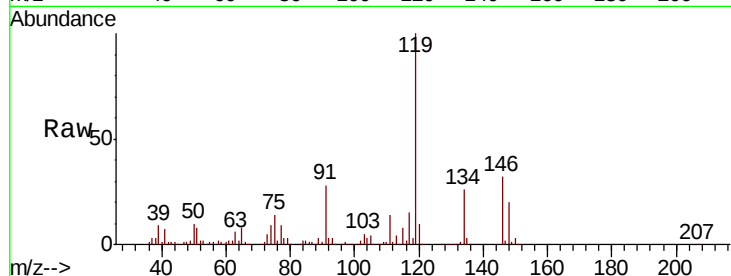




#82
p-Isopropyltoluene
Concen: 19.586 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

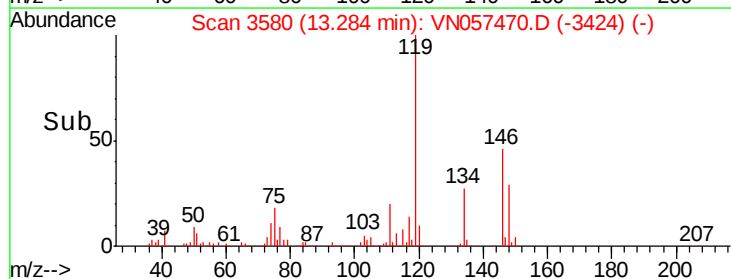
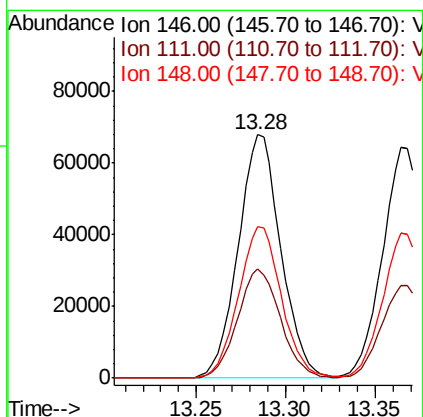
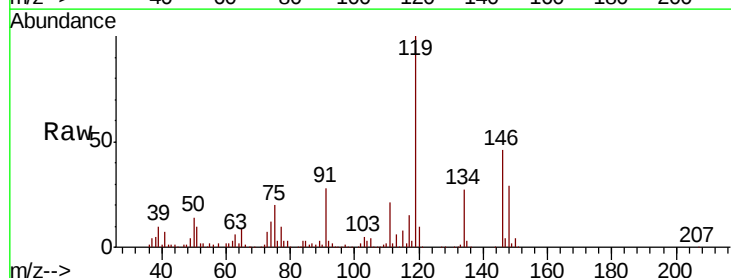
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBS01

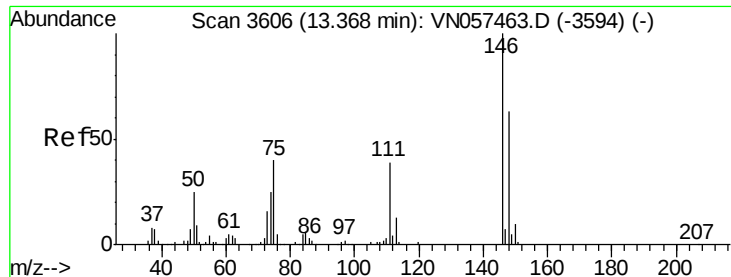
Tgt Ion:119 Resp: 292399
Ion Ratio Lower Upper
119 100
134 25.7 0.0 49.6
91 27.1 0.0 55.2



#83
1,3-Dichlorobenzene
Concen: 18.722 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN057470.D
Acq: 23 Aug 2019 13:24

Tgt Ion:146 Resp: 113838
Ion Ratio Lower Upper
146 100
111 45.0 22.4 67.0
148 62.6 31.8 95.4





#84

1,4-Dichlorobenzene

Concen: 18.451 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBS01

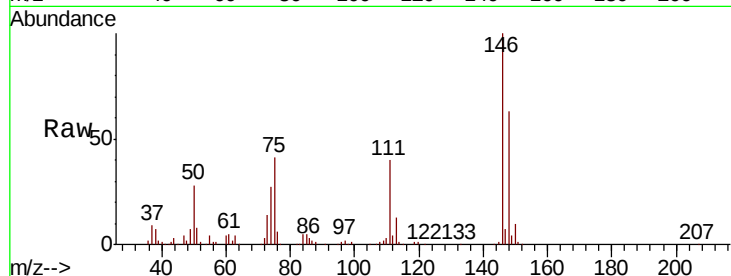
Tgt Ion:146 Resp: 109141

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.5

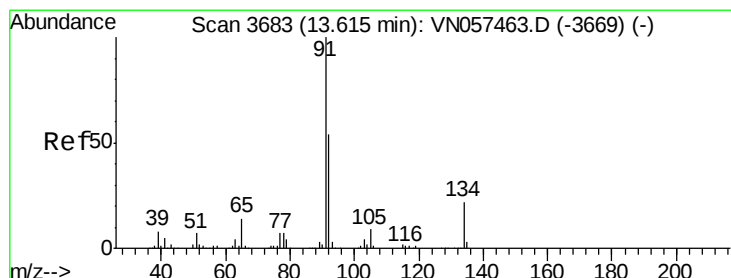
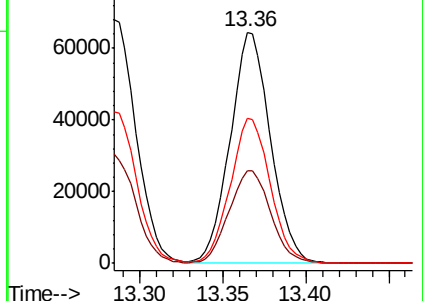
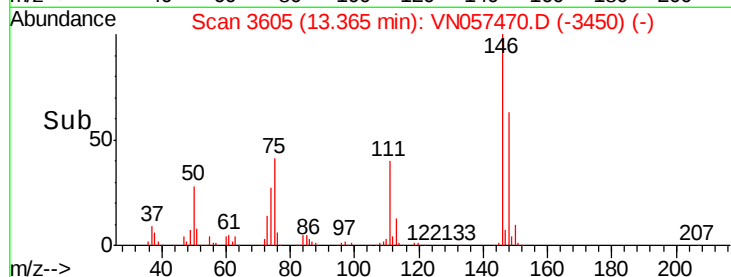
148 62.3 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.412 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

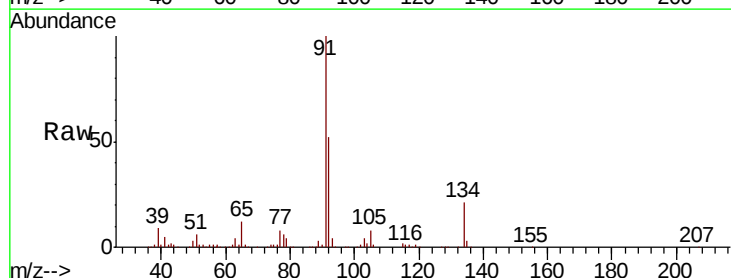
Tgt Ion: 91 Resp: 239640

Ion Ratio Lower Upper

91 100

92 51.5 0.0 105.6

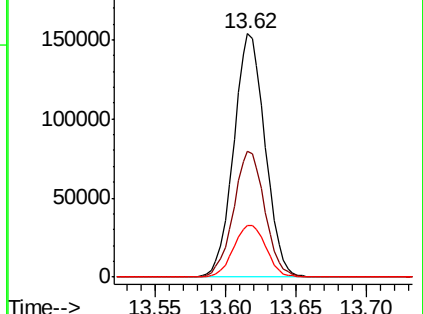
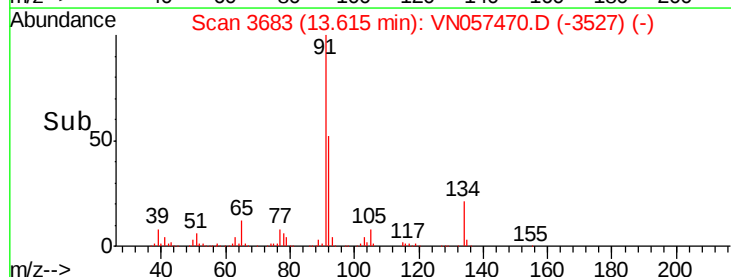
134 22.2 0.0 46.0

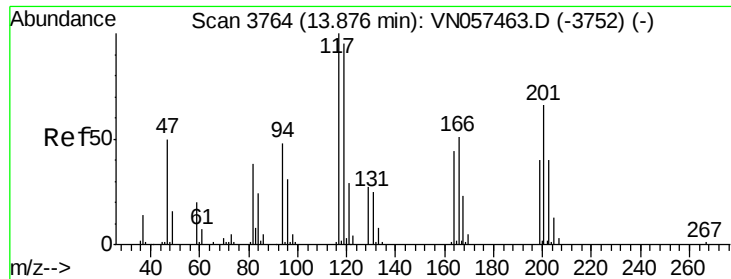


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 20.468 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampleId :

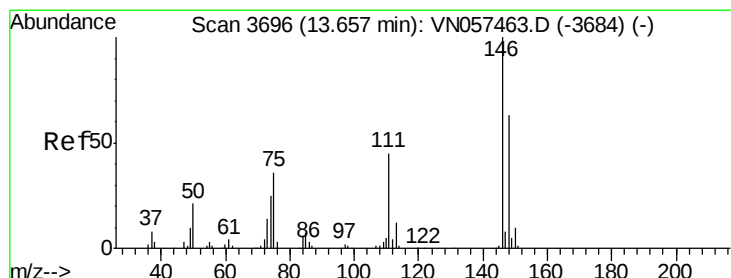
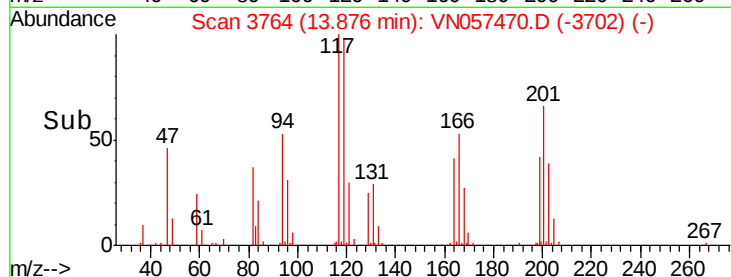
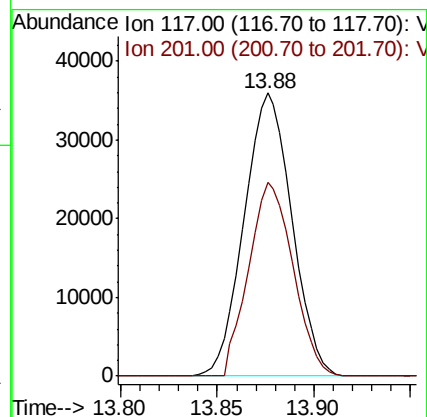
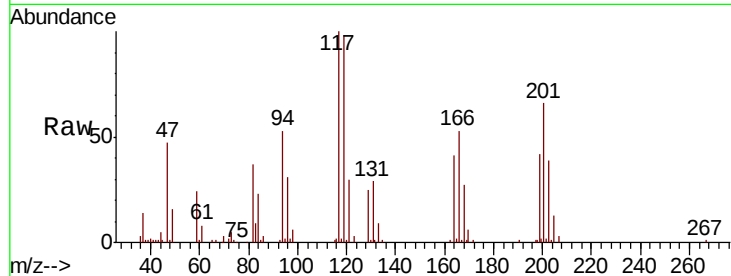
VN0823WBS01

Tgt Ion:117 Resp: 61655

Ion Ratio Lower Upper

117 100

201 63.6 34.0 101.8



#87

1,2-Dichlorobenzene

Concen: 19.105 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

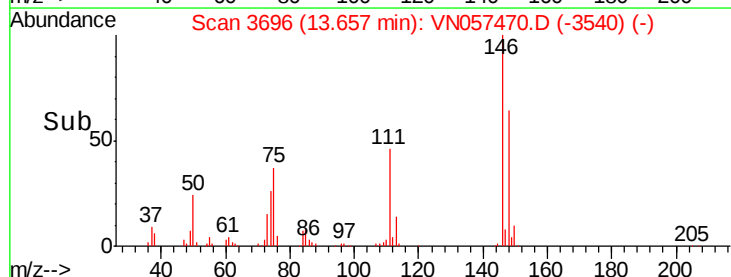
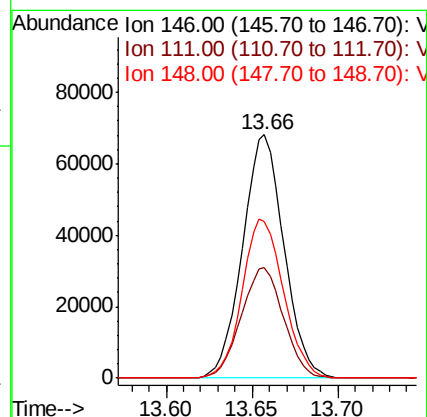
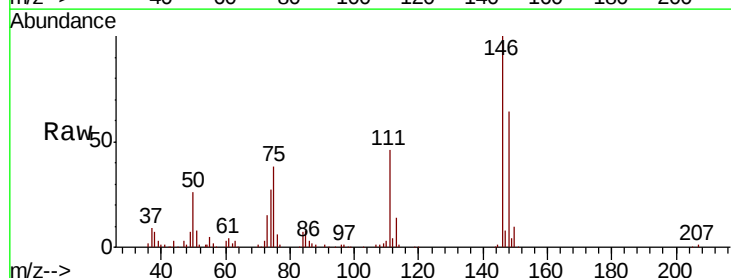
Tgt Ion:146 Resp: 114087

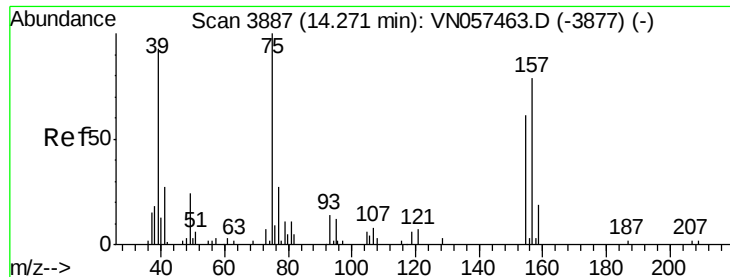
Ion Ratio Lower Upper

146 100

111 46.4 22.5 67.5

148 65.4 30.9 92.7





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.576 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

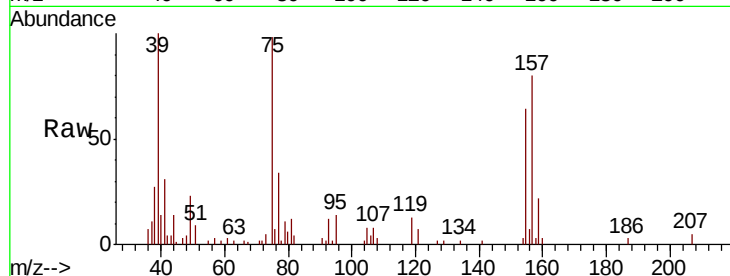
Tgt Ion: 75 Resp: 18333

Ion Ratio Lower Upper

75 100

155 62.2 53.7 80.5

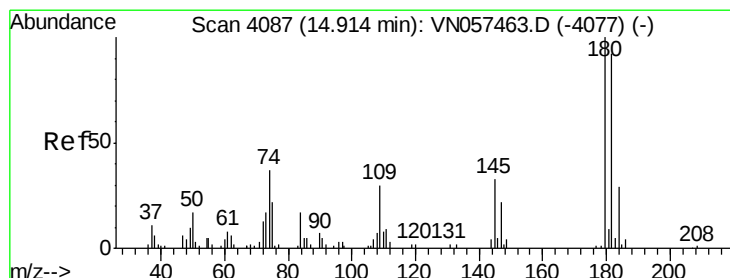
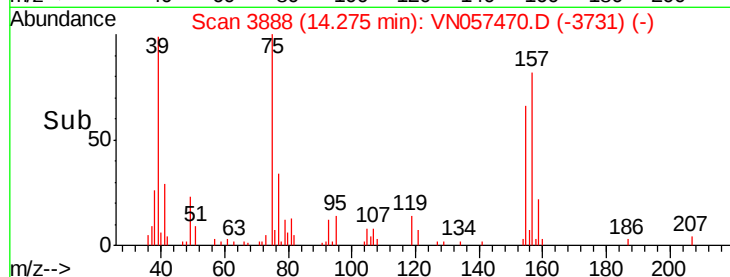
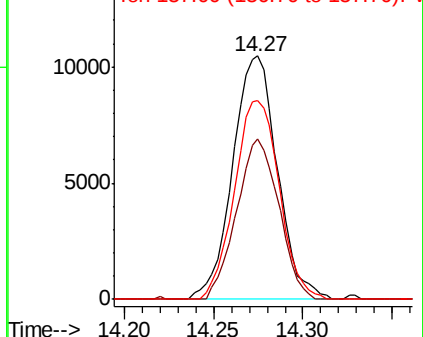
157 81.8 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VN057463.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN057463.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN057463.D (-3877) (-)



#89

1,2,4-Trichlorobenzene

Concen: 14.181 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

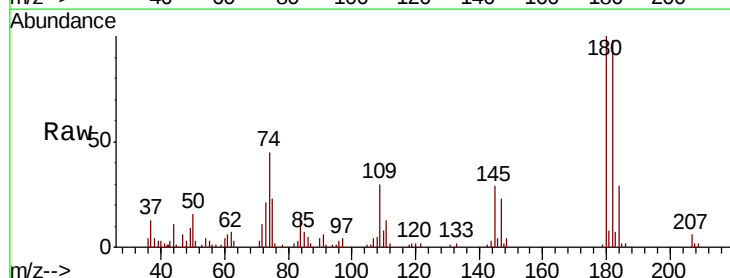
Tgt Ion: 180 Resp: 31729

Ion Ratio Lower Upper

180 100

182 92.0 75.4 113.2

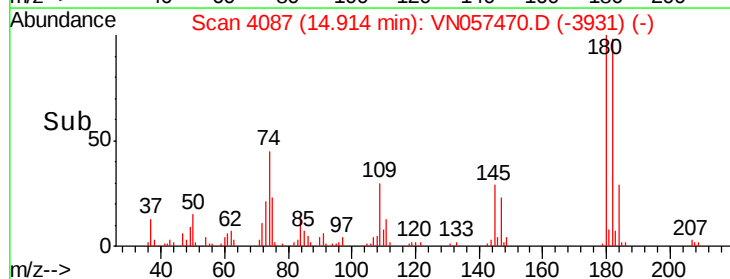
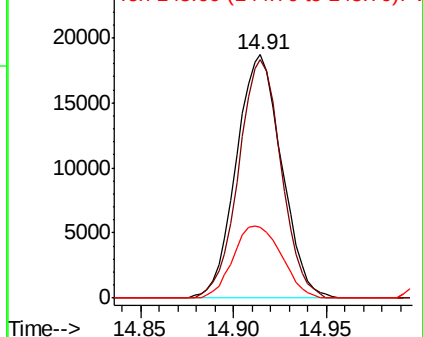
145 31.6 26.9 40.3

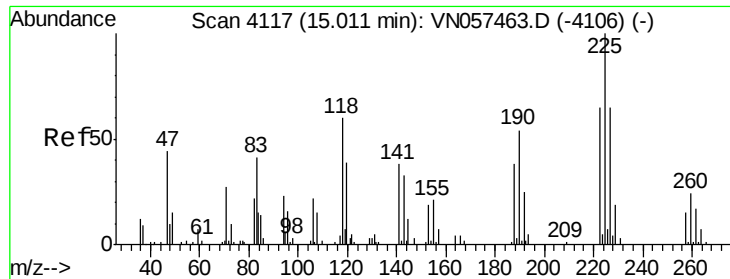


Abundance Ion 180.00 (179.70 to 180.70): VN057463.D (-4077) (-)

Ion 182.00 (181.70 to 182.70): VN057463.D (-4077) (-)

Ion 145.00 (144.70 to 145.70): VN057463.D (-4077) (-)





#90

Hexachlorobutadiene

Concen: 20.572 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

Instrument :

MSVOA_N

ClientSampled :

VN0823WBS01

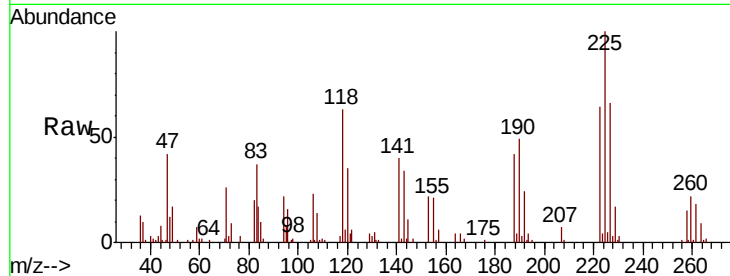
Tgt Ion:225 Resp: 35390

Ion Ratio Lower Upper

225 100

223 65.5 0.0 123.6

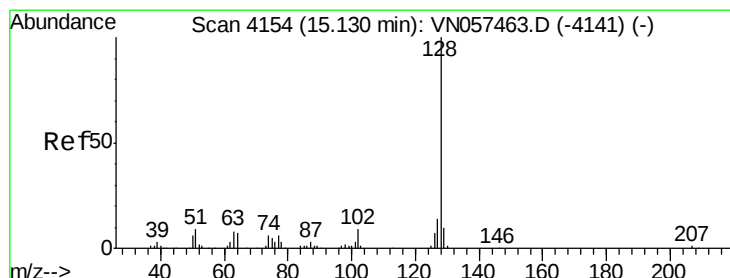
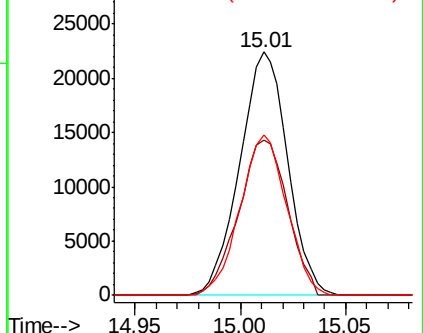
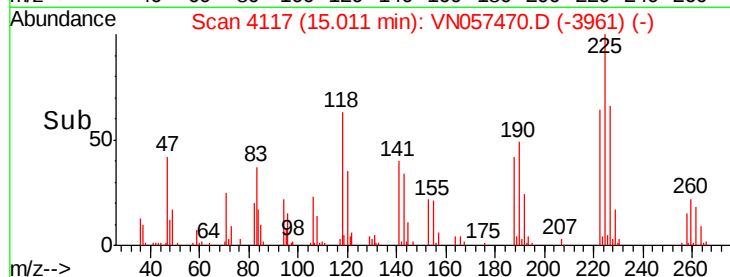
227 64.2 0.0 126.6



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: 19.806 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057470.D

Acq: 23 Aug 2019 13:24

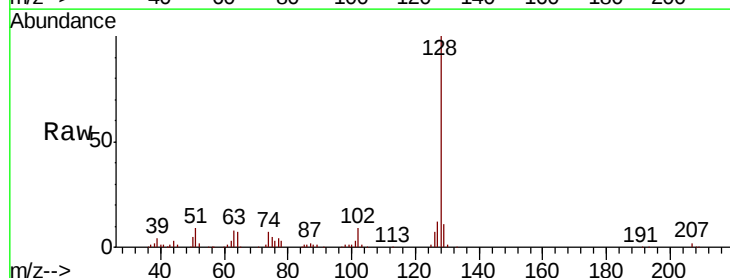
Tgt Ion:128 Resp: 108562

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

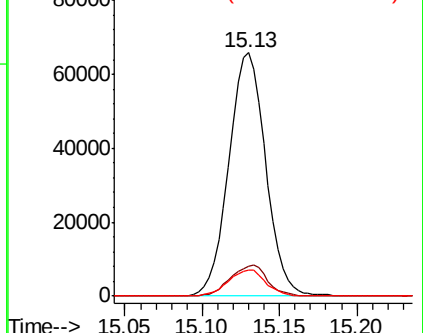
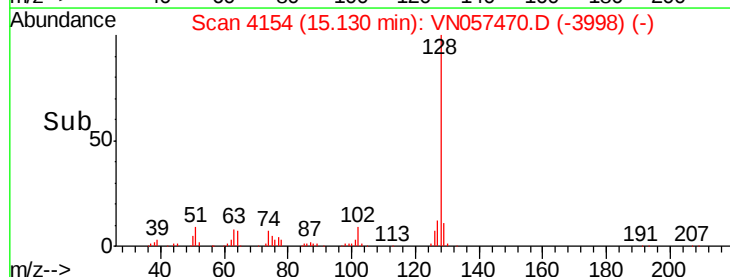
129 11.0 8.6 13.0

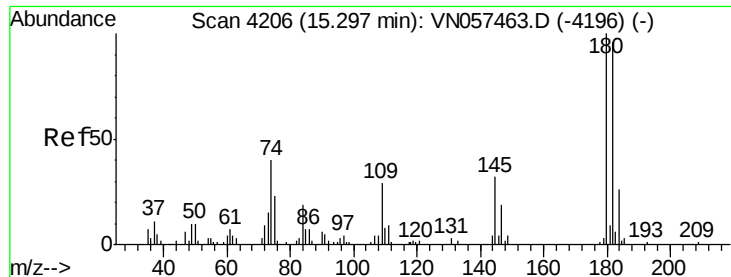


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 14.056 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057470.D
 Acq: 23 Aug 2019 13:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS01

Tgt Ion:	180	Resp:	31452
Ion Ratio	Lower	Upper	
180	100		
182	99.3	0.0	187.0
145	36.1	0.0	64.4

