

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057252.D
 Acq On : 13 Aug 2019 17:47
 Operator : JC/SP
 Sample : VN0813WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Quant Time: Aug 14 06:30:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1200444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1769639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1589564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	582293	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	630687	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.58	113	566714	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.09	98	2147646	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	683244	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	206623	20.418	ug/l	98
3) Chloromethane	2.05	50	239371	20.865	ug/l	96
4) Vinyl Chloride	2.18	62	233585	20.961	ug/l	97
5) Bromomethane	2.55	94	178157	22.684	ug/l	97
6) Chloroethane	2.70	64	157981	22.002	ug/l	98
7) Trichlorofluoromethane	3.02	101	362563	20.678	ug/l	100
8) Diethyl Ether	3.40	74	138051	21.728	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	215068	20.428	ug/l	98
10) Methyl Iodide	3.95	142	340318	20.808	ug/l	99
11) Tert butyl alcohol	4.76	59	182751	112.062	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	220900	21.147	ug/l	97
13) Acrolein	3.60	56	114220	97.896	ug/l	100
14) Allyl chloride	4.32	41	329871	20.817	ug/l	98
15) Acrylonitrile	4.97	53	509359	110.865	ug/l	99
16) Acetone	3.81	43	407621	98.181	ug/l	99
17) Carbon Disulfide	4.05	76	573350	20.080	ug/l	99
18) Methyl Acetate	4.31	43	247859	22.519	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	663711	21.278	ug/l	100
20) Methylene Chloride	4.55	84	252095	20.786	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	232109	20.844	ug/l	99
22) Diisopropyl ether	5.94	45	673345	21.611	ug/l	96
23) Vinyl Acetate	5.88	43	2686832	108.824	ug/l	99
24) 1,1-Dichloroethane	5.84	63	409825	20.878	ug/l	99
25) 2-Butanone	6.82	43	641950	108.755	ug/l	98
26) 2,2-Dichloropropane	6.81	77	328402	20.391	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	271210	21.120	ug/l	100
28) Bromochloromethane	7.19	49	187192	21.611	ug/l	99
29) Tetrahydrofuran	7.20	42	425054	112.644	ug/l	99
30) Chloroform	7.36	83	424180	20.686	ug/l	99
31) Cyclohexane	7.65	56	360544	21.016	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	369549	21.306	ug/l	100
36) 1,1-Dichloropropene	7.79	75	311121	20.109	ug/l	100
37) Ethyl Acetate	6.92	43	268659	21.604	ug/l	99
38) Carbon Tetrachloride	7.77	117	328296	19.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	373278	20.378	ug/l	96
40) Benzene	8.03	78	972880	20.698	ug/l	100
41) Methacrylonitrile	7.20	41	373112	72.908	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	314342	20.870	ug/l	99
43) Isopropyl Acetate	8.16	43	436371	21.307	ug/l	100
44) Trichloroethene	8.83	130	273683	20.087	ug/l	98
45) 1,2-Dichloropropane	9.11	63	248712	20.887	ug/l	99
46) Dibromomethane	9.20	93	165282	20.586	ug/l	98
47) Bromodichloromethane	9.40	83	324131	20.940	ug/l	99
48) Methyl methacrylate	9.19	41	206474	21.788	ug/l	98
49) 1,4-Dioxane	9.20	88	88272	413.344	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1298084	107.940	ug/l	100
52) Toluene	10.15	92	613799	21.020	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	351296	21.217	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395115	21.174	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	244271	21.402	ug/l	98
56) Ethyl methacrylate	10.43	69	345513	21.577	ug/l	99
57) 1,3-Dichloropropane	10.70	76	396206	21.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	391640	97.321	ug/l	100
59) 2-Hexanone	10.75	43	909865	106.633	ug/l	99
60) Dibromochloromethane	10.90	129	269111	21.025	ug/l	100
61) 1,2-Dibromoethane	11.00	107	253171	21.366	ug/l	99
64) Tetrachloroethene	10.63	164	288267	20.532	ug/l	97
65) Chlorobenzene	11.43	112	668864	20.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251170	19.996	ug/l	97
67) Ethyl Benzene	11.51	91	1145754	20.633	ug/l	99
68) m/p-Xylenes	11.62	106	857860	41.406	ug/l	98
69) o-Xylene	11.95	106	424424	20.922	ug/l	100
70) Styrene	11.96	104	663900	21.138	ug/l	100
71) Bromoform	12.13	173	199171	20.694	ug/l	99
73) Isopropylbenzene	12.25	105	1118610	23.351	ug/l	100
74) N-amyl acetate	12.07	43	320190	22.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	321820	24.341	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	385382	36.889	ug/l #	100
77) Bromobenzene	12.53	156	296191	23.198	ug/l	98
78) n-propylbenzene	12.59	91	1111355	22.093	ug/l	100
79) 2-Chlorotoluene	12.67	91	713036	22.940	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	920588	22.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90806	20.946	ug/l	98
82) 4-Chlorotoluene	12.77	91	652192	20.537	ug/l	100
83) tert-Butylbenzene	12.99	119	821496	22.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	858501	20.937	ug/l	99
85) sec-Butylbenzene	13.17	105	987433	22.206	ug/l	100
86) p-Isopropyltoluene	13.29	119	853628	19.936	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	408866	20.269	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	380529	19.395	ug/l	97
89) n-Butylbenzene	13.62	91	614975	20.476	ug/l	100
90) Hexachloroethane	13.88	117	166977	22.445	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	402856	20.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41951	21.568	ug/l	94

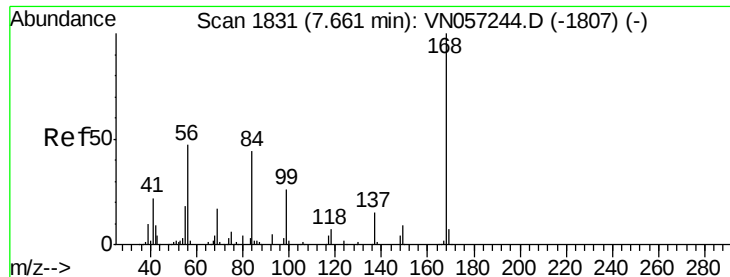
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QLast Update : Wed Aug 14 06:25:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108200	16.446	ug/l	99
94) Hexachlorobutadiene	15.01	225	180522	21.805	ug/l	98
95) Naphthalene	15.13	128	202098	19.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	109810	18.834	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

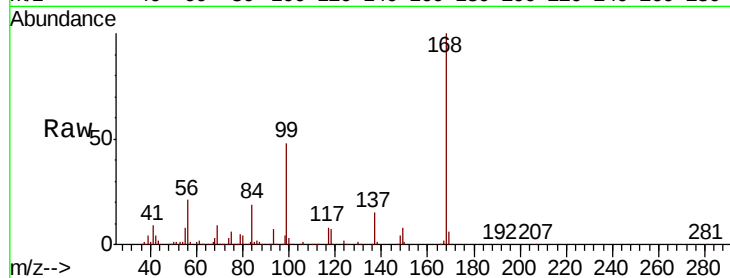
VN0813WBS01

Tgt Ion:168 Resp: 1200444

Ion Ratio Lower Upper

168 100

99 48.3 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

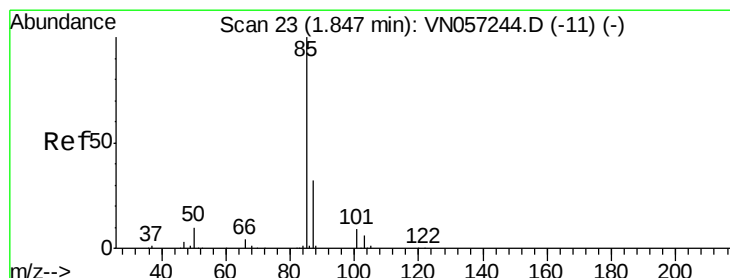
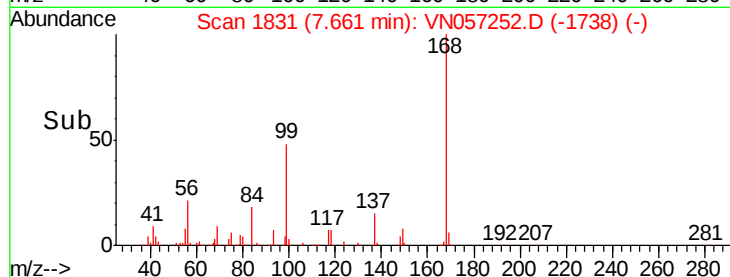
100000

0

7.66

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.418 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057252.D

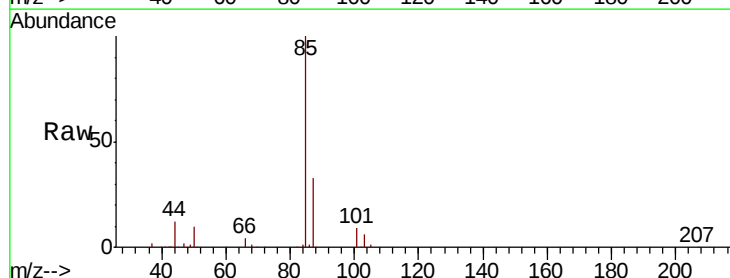
Acq: 13 Aug 2019 17:47

Tgt Ion: 85 Resp: 206623

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

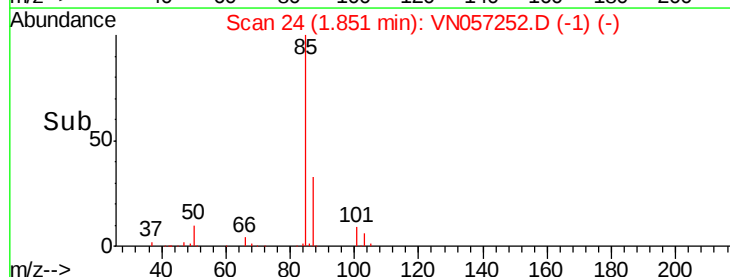
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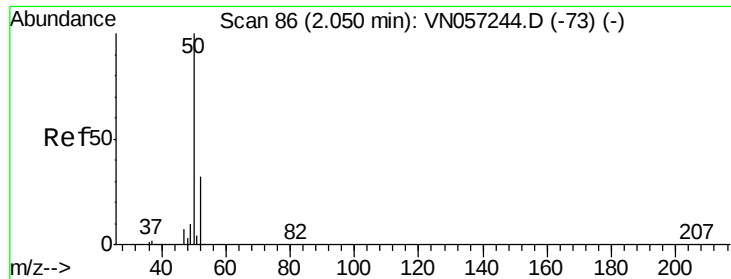
0

1.85

1.75 1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.865 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

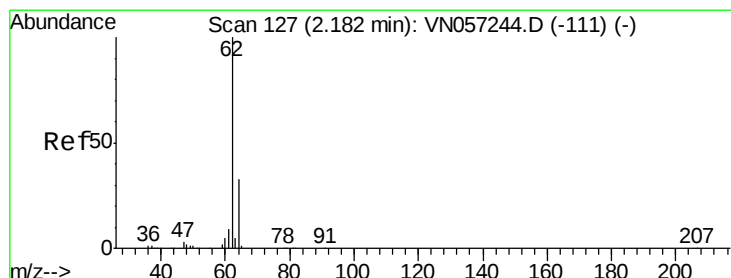
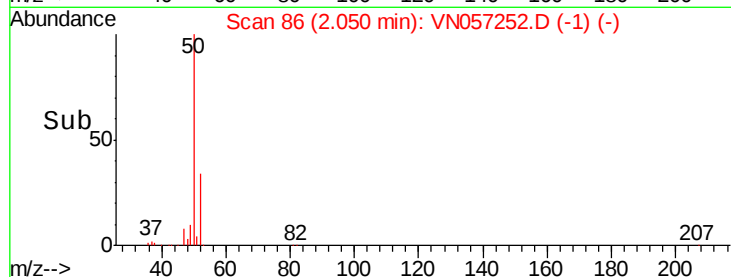
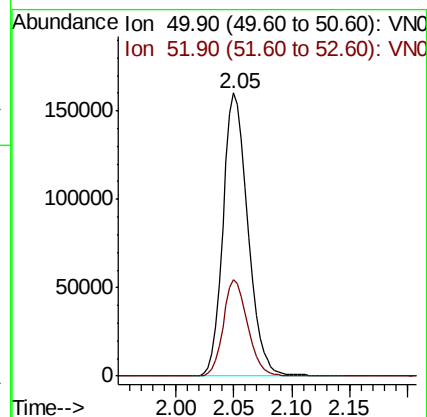
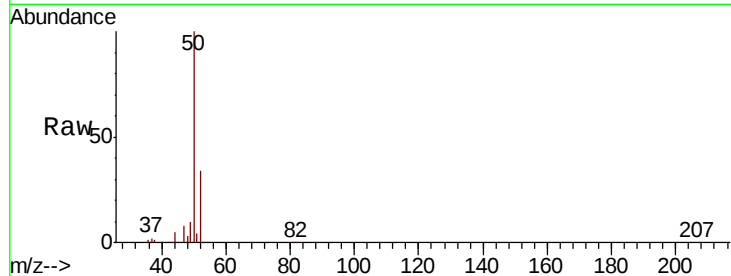
VN0813WBS01

Tgt Ion: 50 Resp: 239371

Ion Ratio Lower Upper

50 100

52 34.3 25.6 38.4



#4

Vinyl Chloride

Concen: 20.961 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057252.D

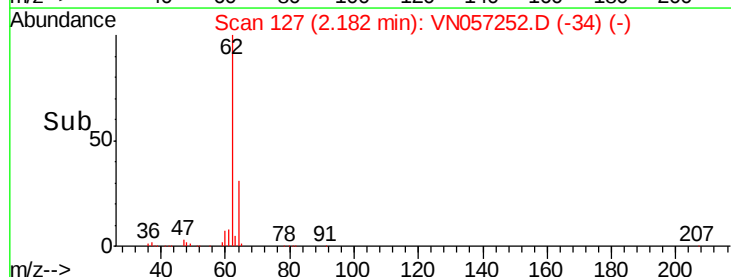
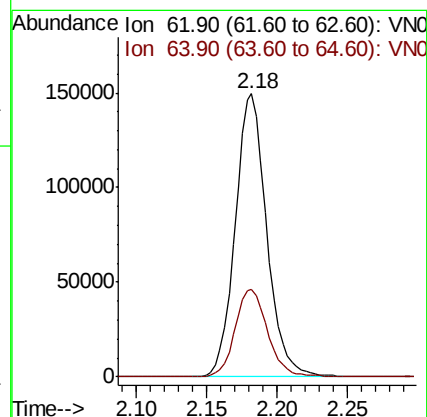
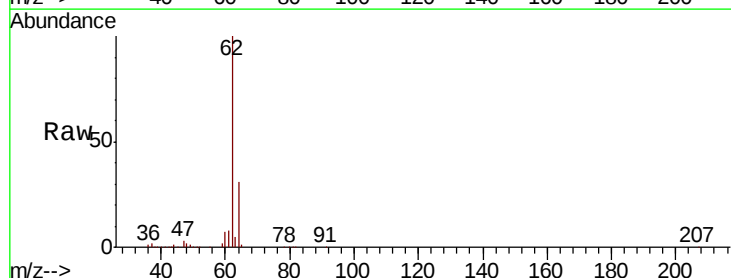
Acq: 13 Aug 2019 17:47

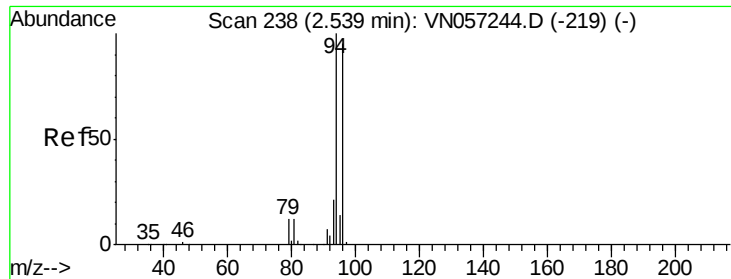
Tgt Ion: 62 Resp: 233585

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 22.684 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

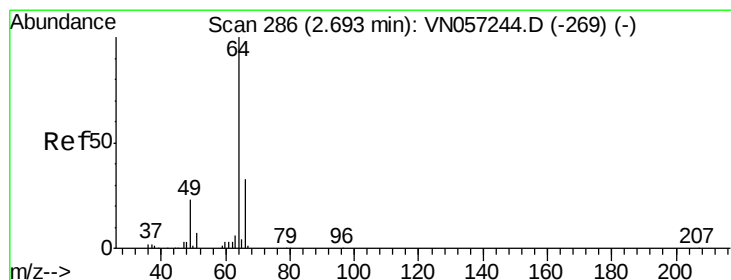
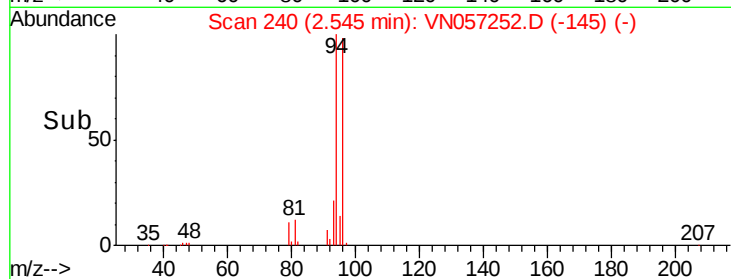
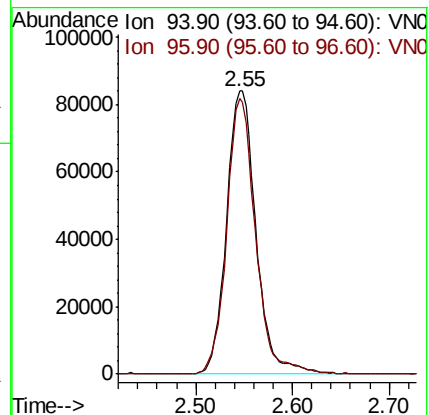
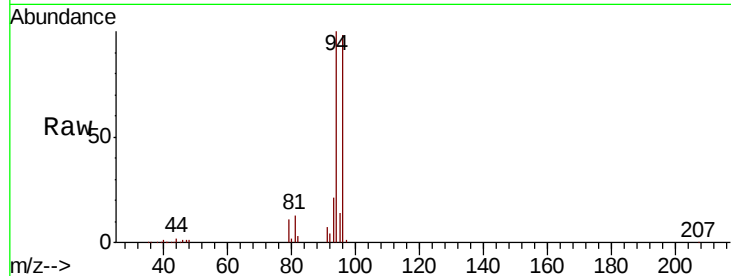
VN0813WBS01

Tgt Ion: 94 Resp: 178157

Ion Ratio Lower Upper

94 100

96 97.3 75.7 113.5



#6

Chloroethane

Concen: 22.002 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057252.D

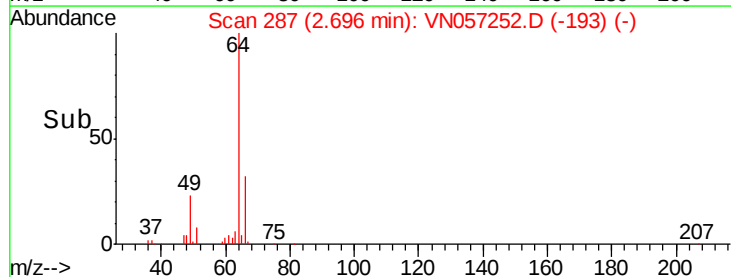
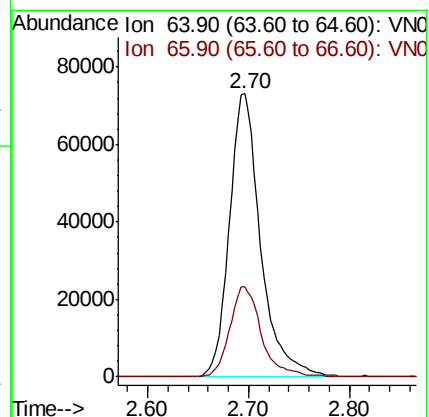
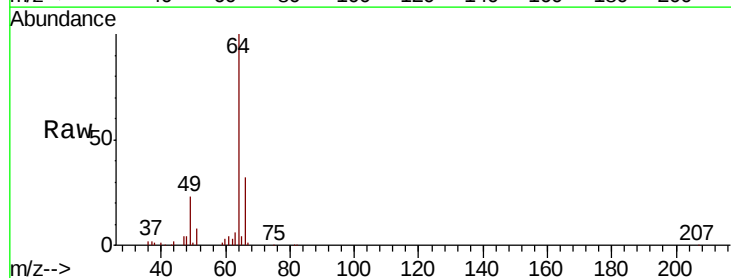
Acq: 13 Aug 2019 17:47

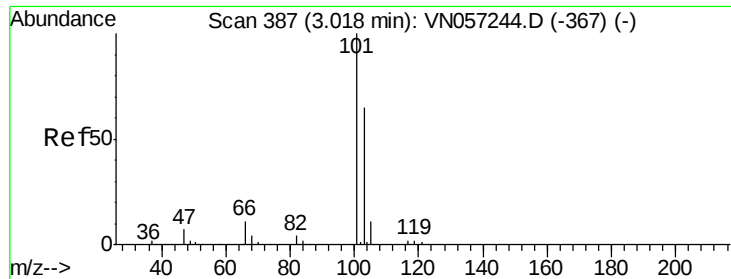
Tgt Ion: 64 Resp: 157981

Ion Ratio Lower Upper

64 100

66 31.7 26.3 39.5



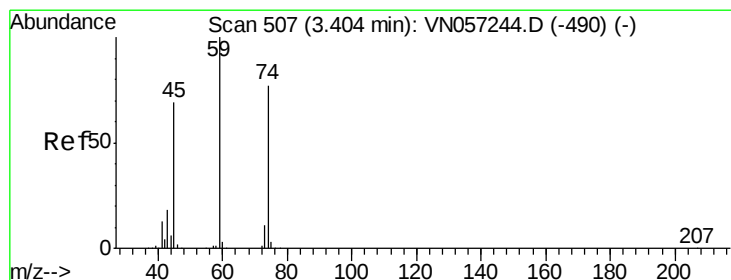
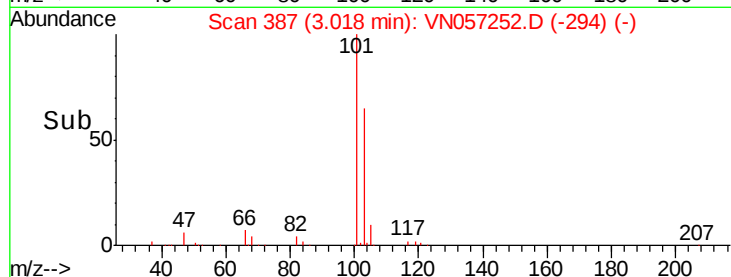
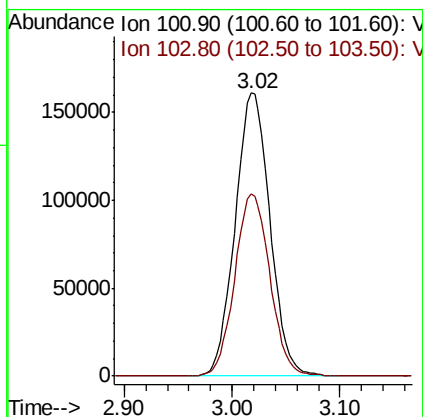
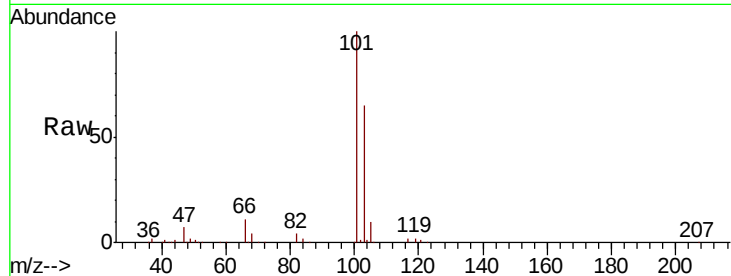


#7

Trichlorofluoromethane
 Concen: 20.678 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Instrument :
 MSVOA_N
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 VN0813WBS01

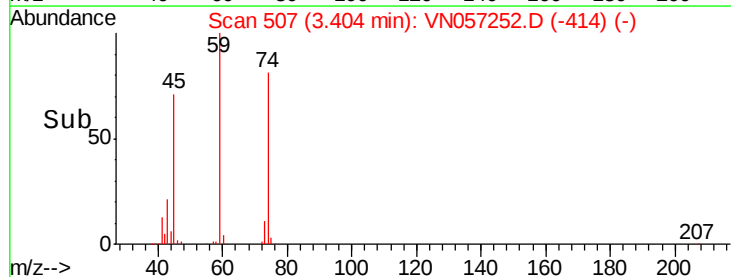
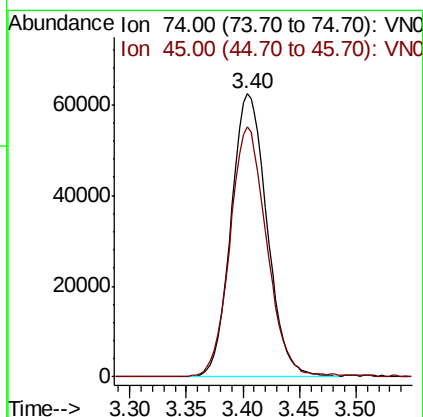
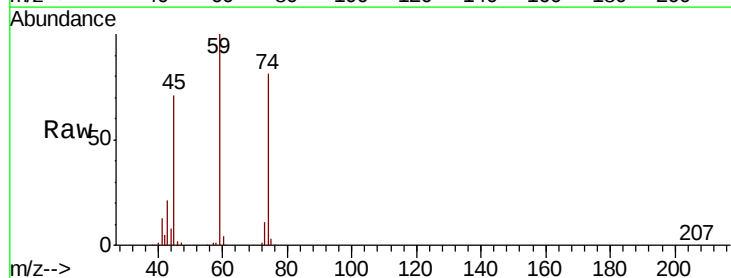
Tgt Ion: 101 Resp: 362563
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.6

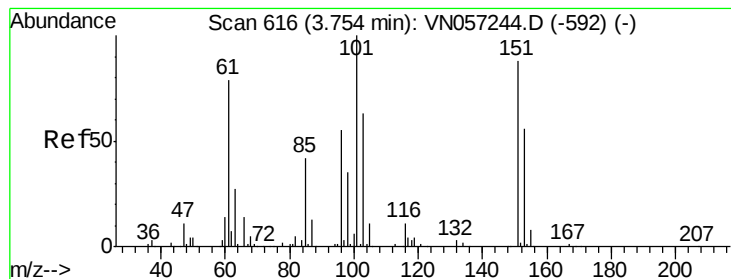


#8

Diethyl Ether
 Concen: 21.728 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 74 Resp: 138051
 Ion Ratio Lower Upper
 74 100
 45 90.6 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.428 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

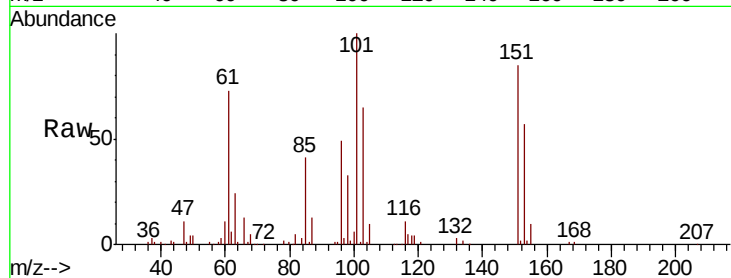
Tgt Ion:101 Resp: 215068

Ion Ratio Lower Upper

101 100

85 40.2 32.7 49.1

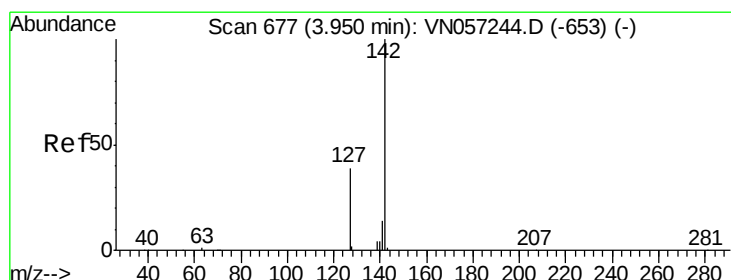
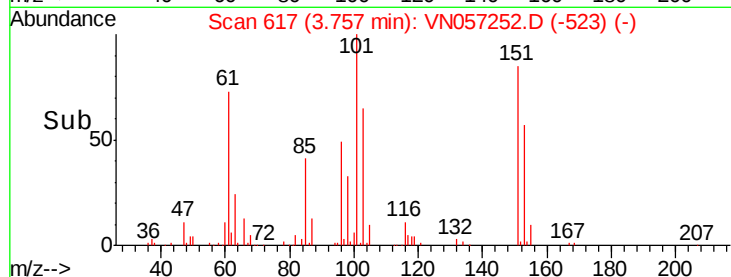
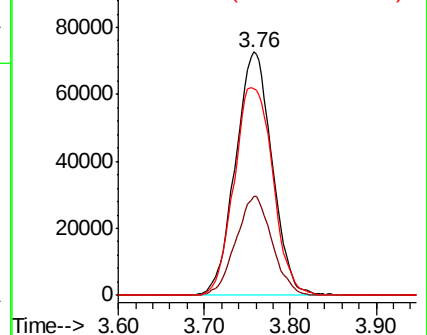
151 90.2 70.1 105.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.808 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

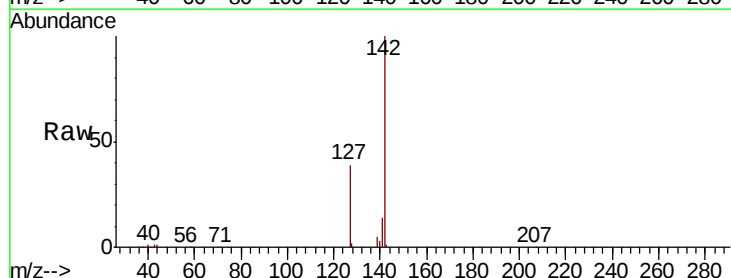
Tgt Ion:142 Resp: 340318

Ion Ratio Lower Upper

142 100

127 39.2 30.7 46.1

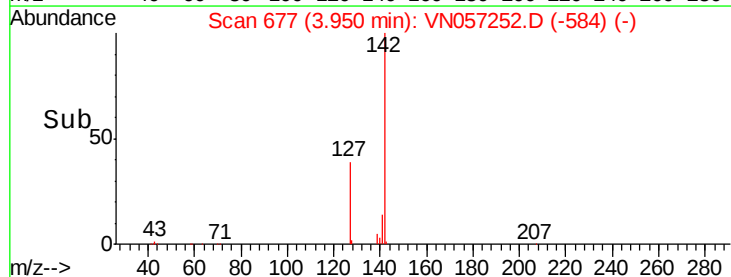
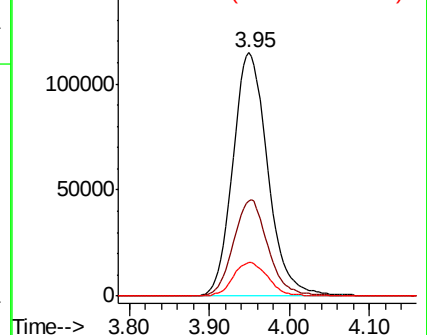
141 13.8 11.0 16.6

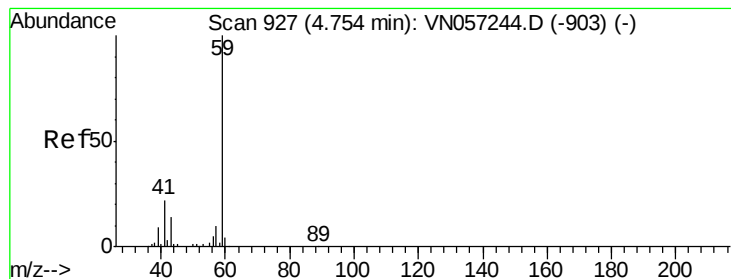


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



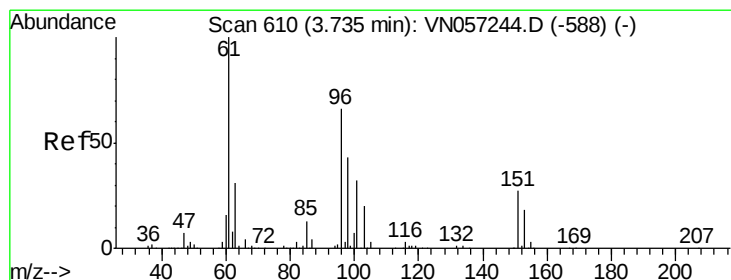
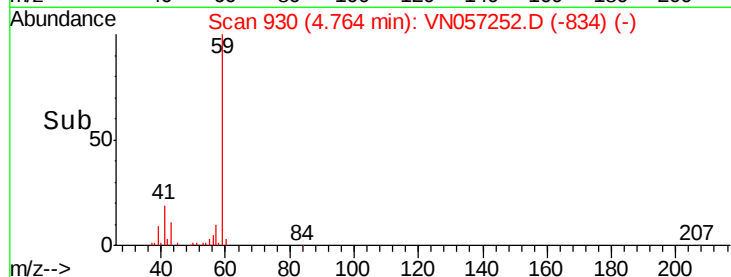
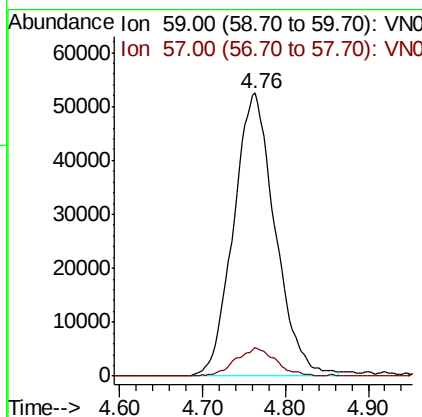
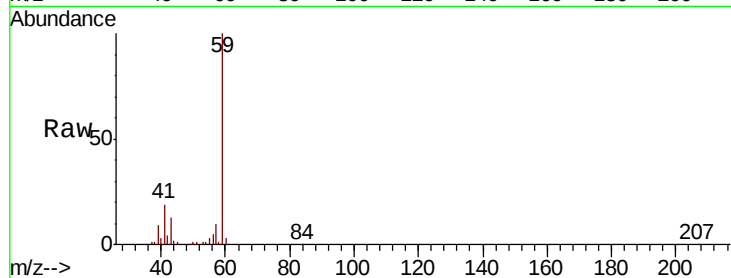


#11

Tert butyl alcohol
 Concen: 112.062 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

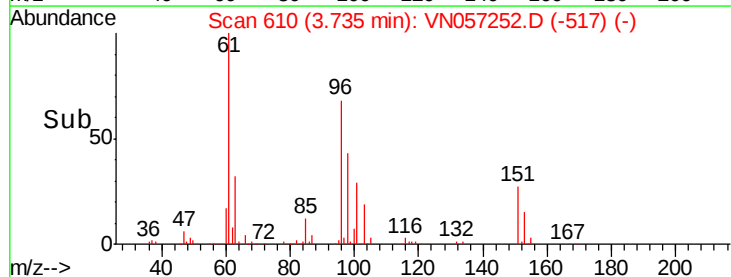
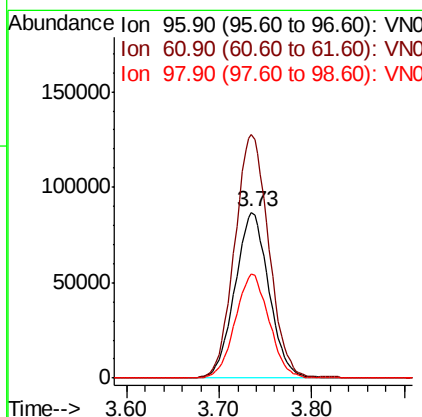
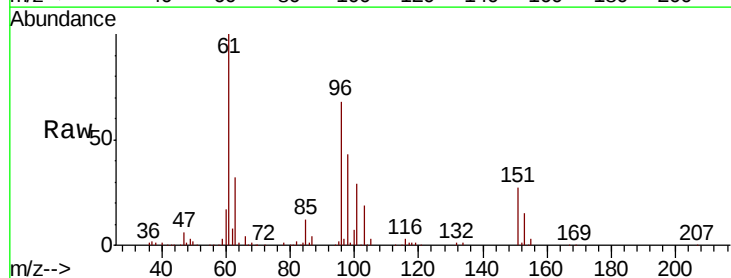
Tgt Ion: 59 Resp: 182751
 Ion Ratio Lower Upper
 59 100
 57 9.7 3.4 5.2#

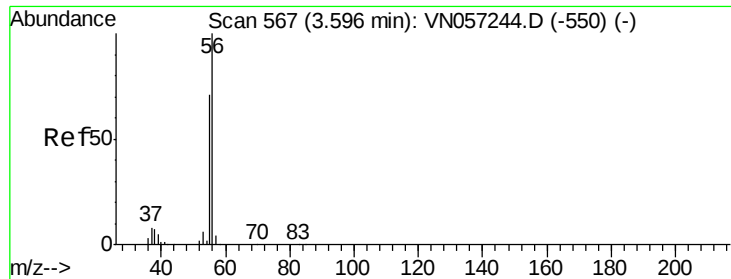


#12

1,1-Dichloroethene
 Concen: 21.147 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 96 Resp: 220900
 Ion Ratio Lower Upper
 96 100
 61 146.8 121.1 181.7
 98 63.0 52.0 78.0





#13

Acrolein

Concen: 97.896 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

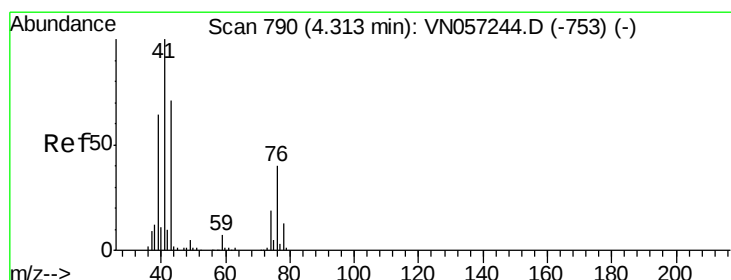
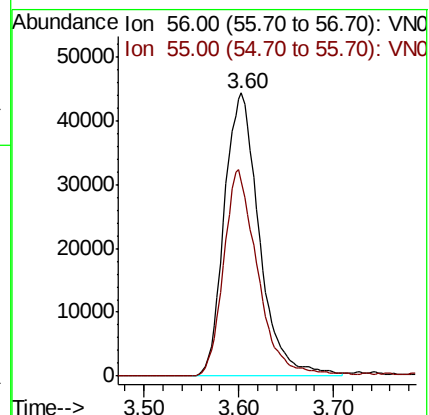
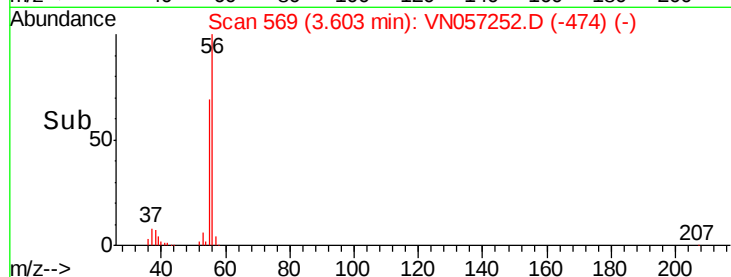
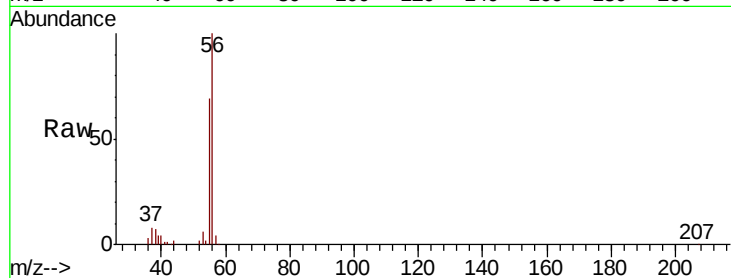
VN0813WBS01

Tgt Ion: 56 Resp: 114220

Ion Ratio Lower Upper

56 100

55 70.8 56.6 84.8



#14

Allyl chloride

Concen: 20.817 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

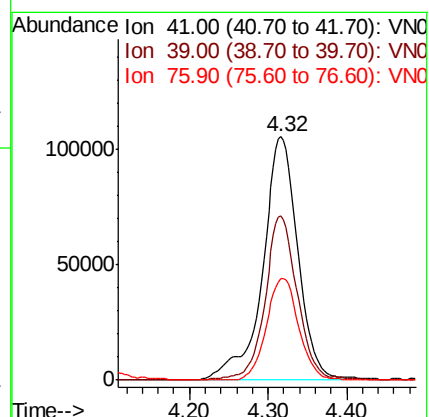
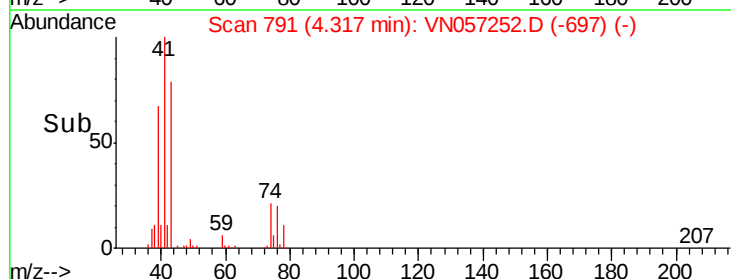
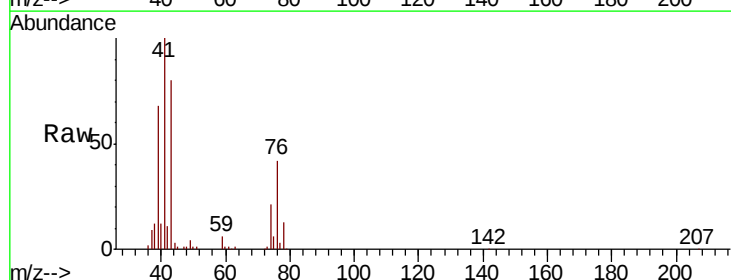
Tgt Ion: 41 Resp: 329871

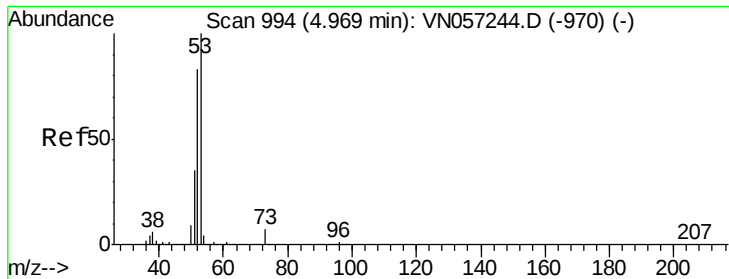
Ion Ratio Lower Upper

41 100

39 61.5 48.5 72.7

76 38.6 29.8 44.8





#15

Acrylonitrile

Concen: 110.865 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

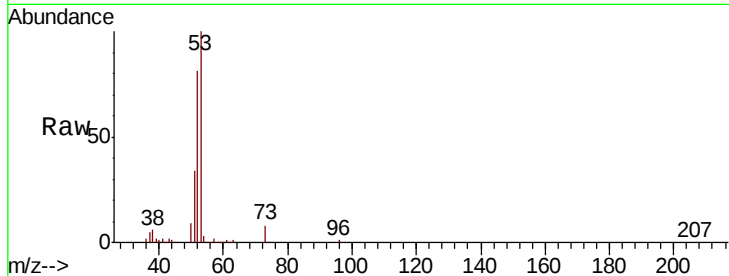
Tgt Ion: 53 Resp: 509359

Ion Ratio Lower Upper

53 100

52 81.4 65.9 98.9

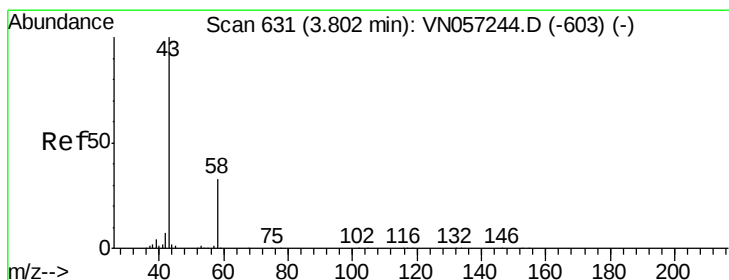
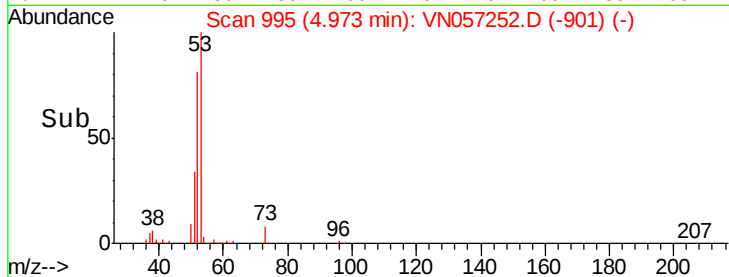
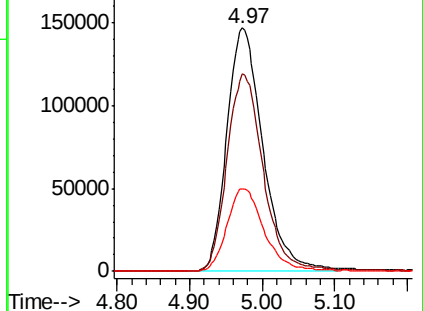
51 34.8 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.181 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057252.D

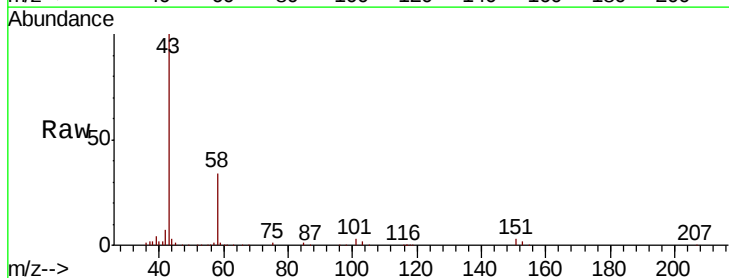
Acq: 13 Aug 2019 17:47

Tgt Ion: 43 Resp: 407621

Ion Ratio Lower Upper

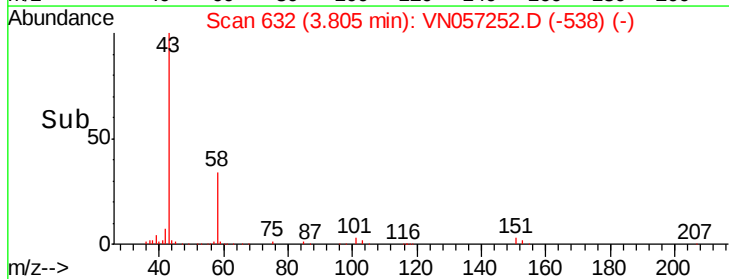
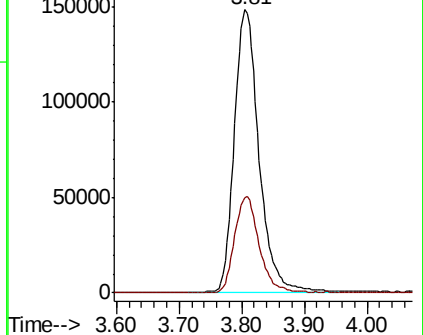
43 100

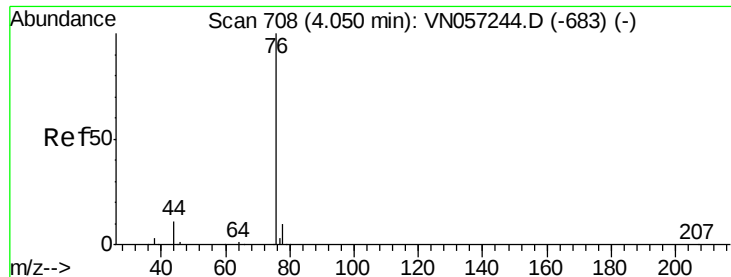
58 33.9 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.080 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

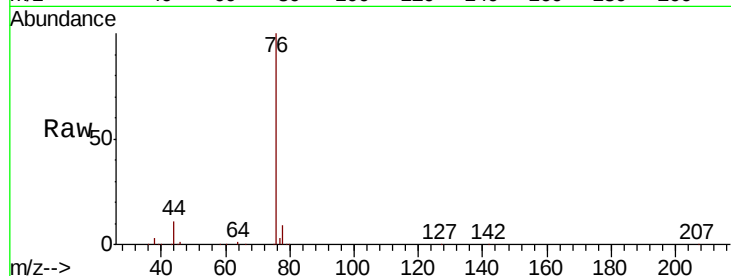
VN0813WBS01

Tgt Ion: 76 Resp: 573350

Ion Ratio Lower Upper

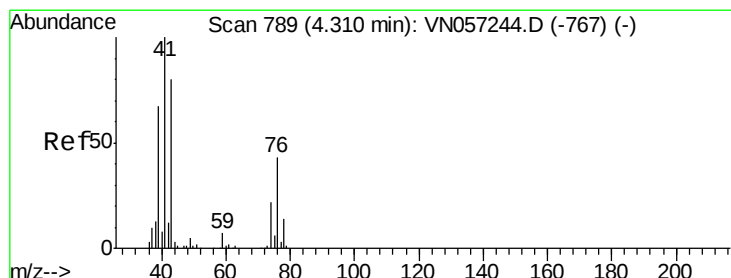
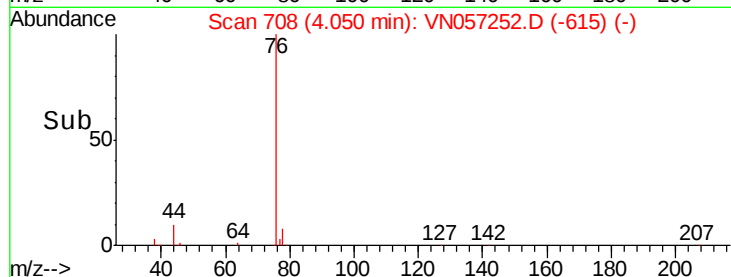
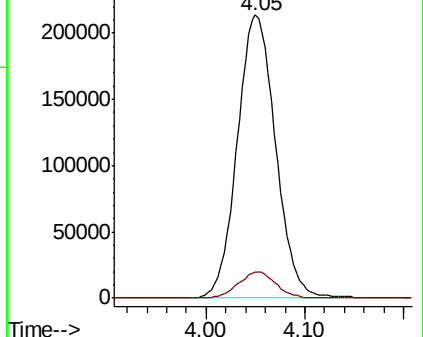
76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN057252.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN057252.D (-615) (-)



#18

Methyl Acetate

Concen: 22.519 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057252.D

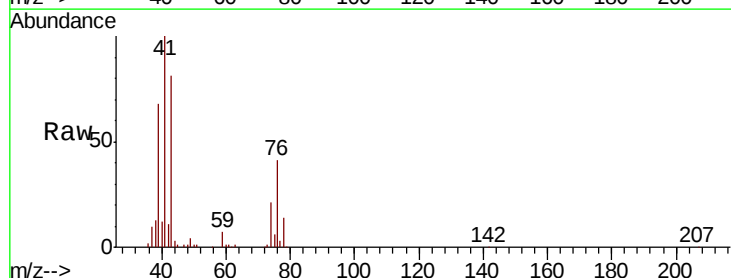
Acq: 13 Aug 2019 17:47

Tgt Ion: 43 Resp: 247859

Ion Ratio Lower Upper

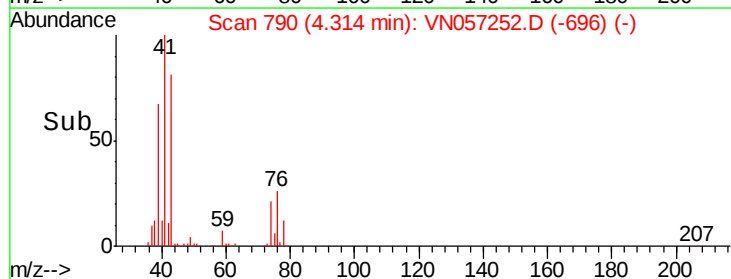
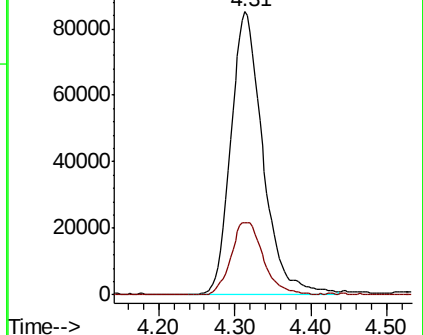
43 100

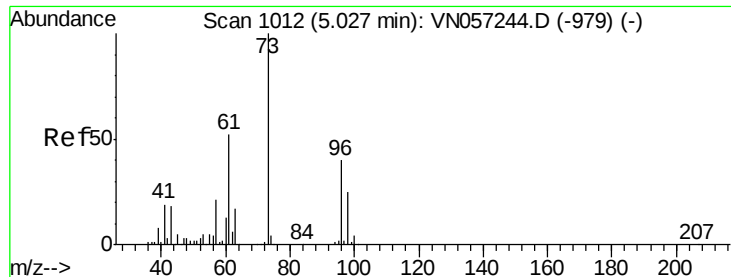
74 26.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN057252.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN057252.D (-696) (-)

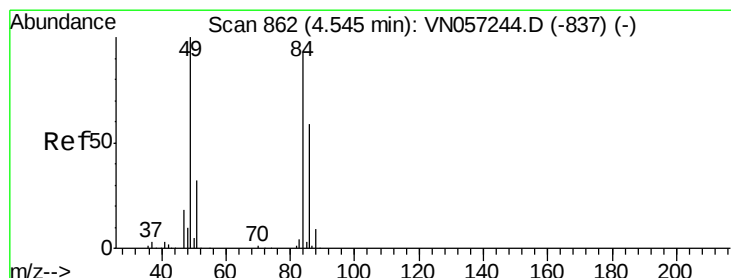
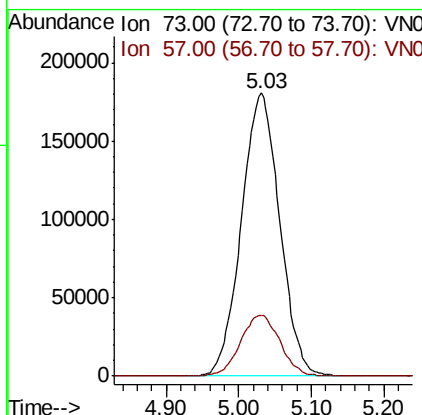
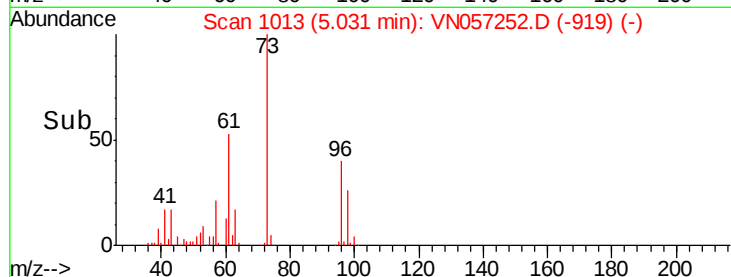
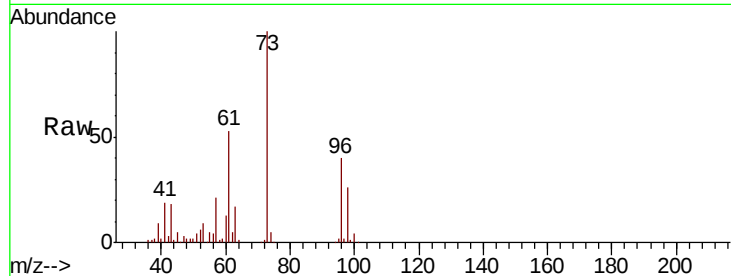




#19
Methyl tert-butyl Ether
Concen: 21.278 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

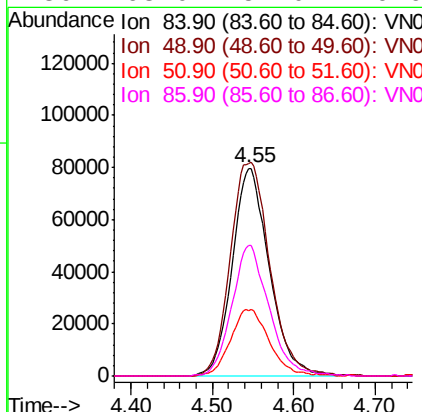
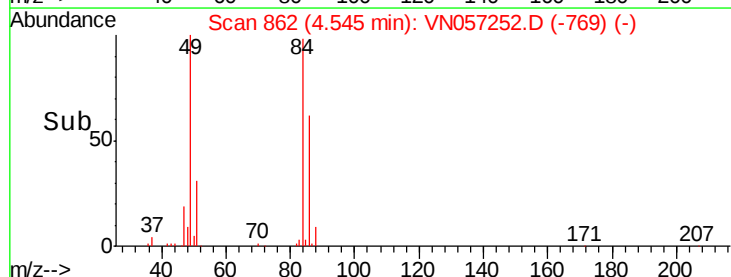
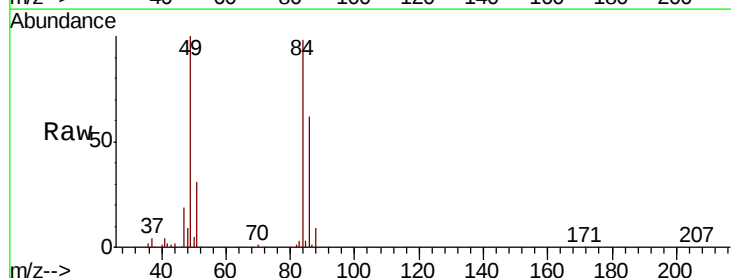
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

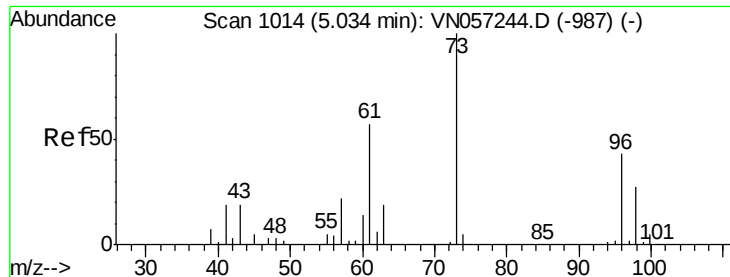
Tgt Ion: 73 Resp: 663711
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 20.786 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 84 Resp: 252095
Ion Ratio Lower Upper
84 100
49 102.0 85.9 128.9
51 31.7 27.1 40.7
86 63.0 51.0 76.6

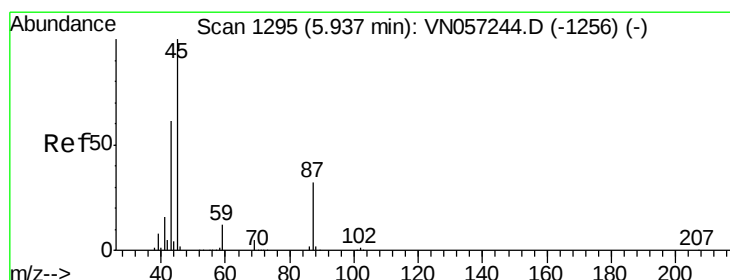
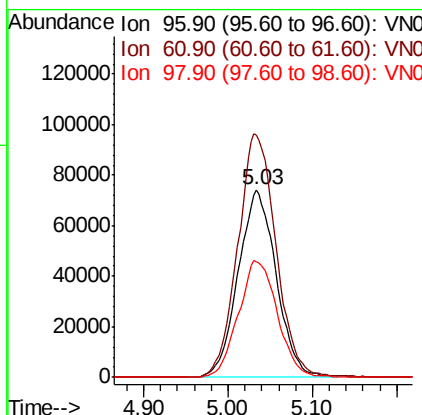
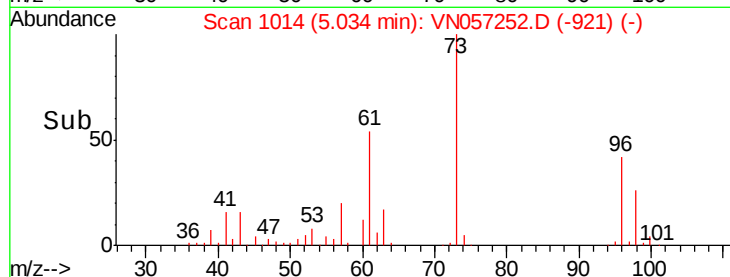
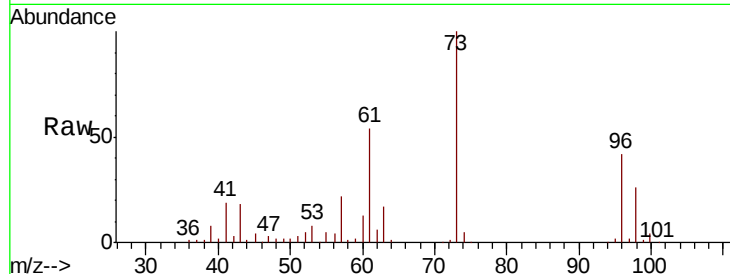




#21
trans-1,2-Dichloroethene
Concen: 20.844 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

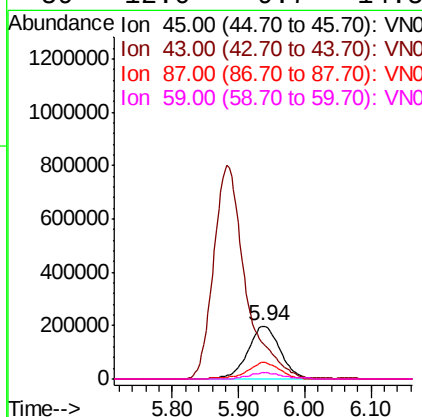
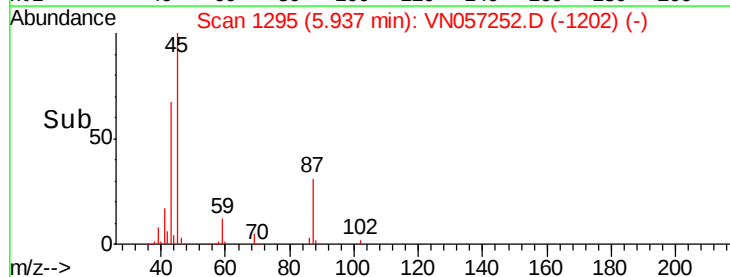
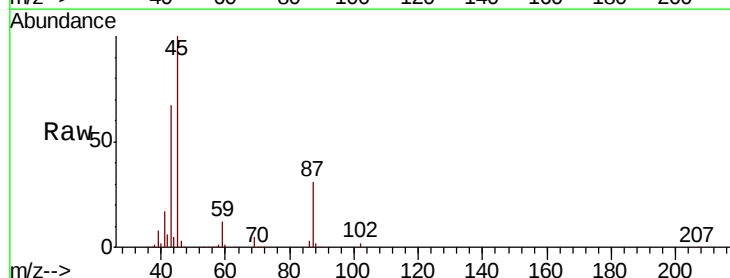
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

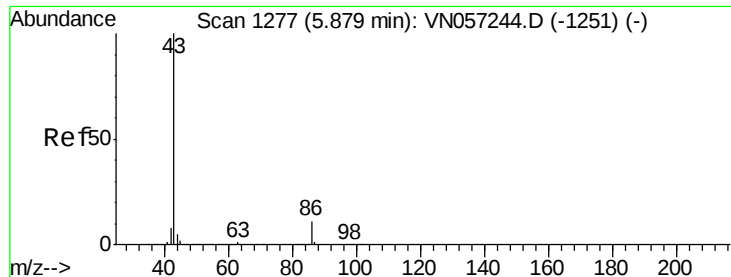
Tgt Ion: 96 Resp: 232109
Ion Ratio Lower Upper
96 100
61 129.6 104.6 156.8
98 62.0 49.7 74.5



#22
Diisopropyl ether
Concen: 21.611 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 45 Resp: 673345
Ion Ratio Lower Upper
45 100
43 65.2 48.9 73.3
87 31.2 25.5 38.3
59 12.0 9.7 14.5

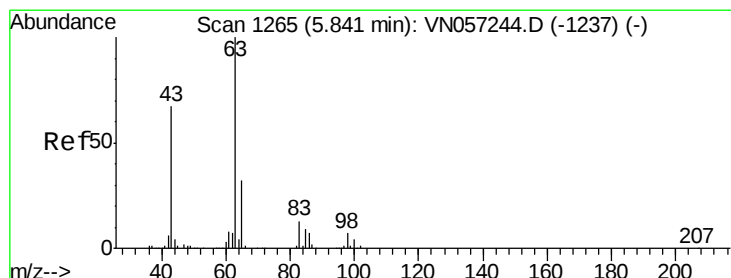
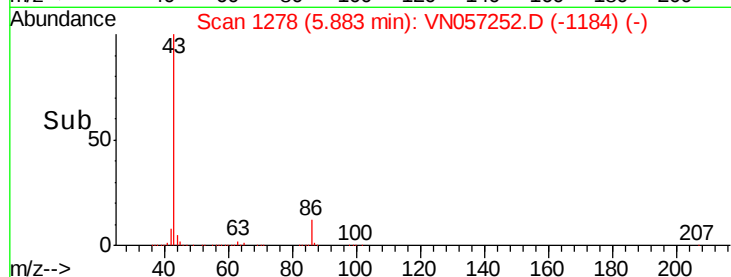
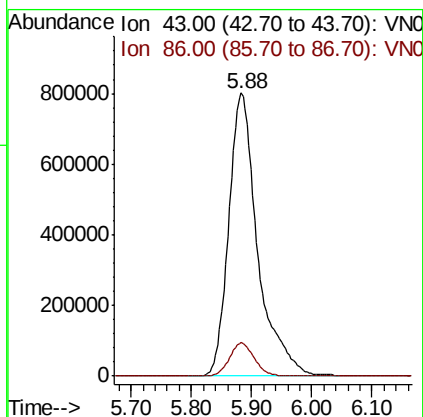
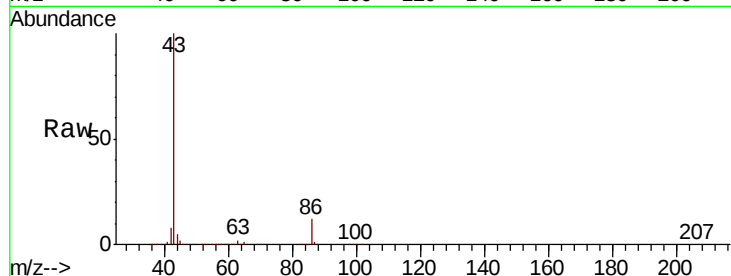




#23
 Vinyl Acetate
 Concen: 108.824 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

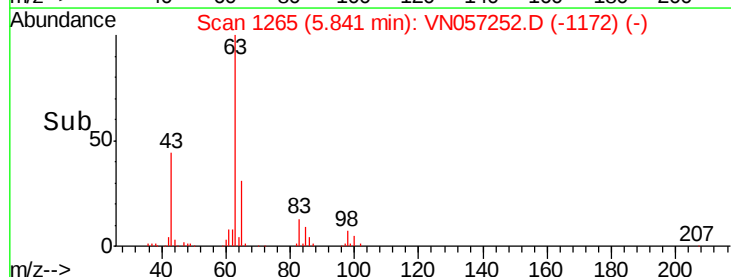
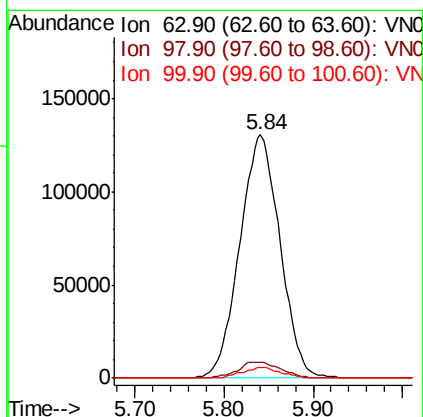
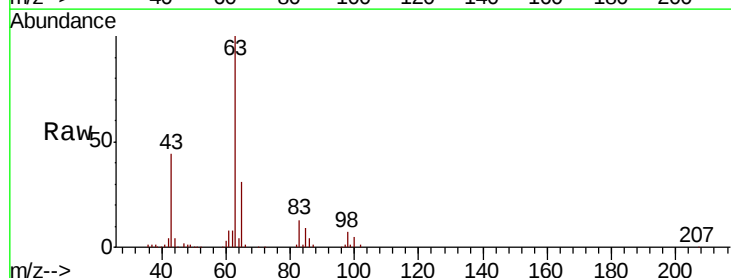
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

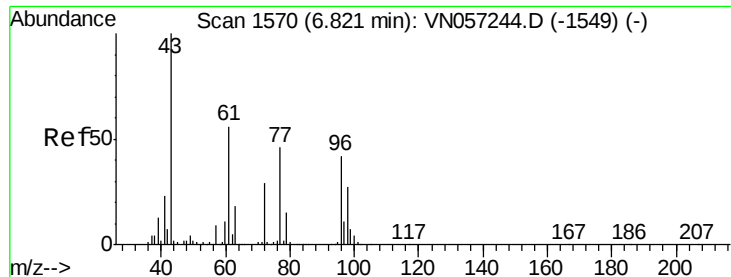
Tgt Ion: 43 Resp: 2686832
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 20.878 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 63 Resp: 409825
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.6 2.1 6.2

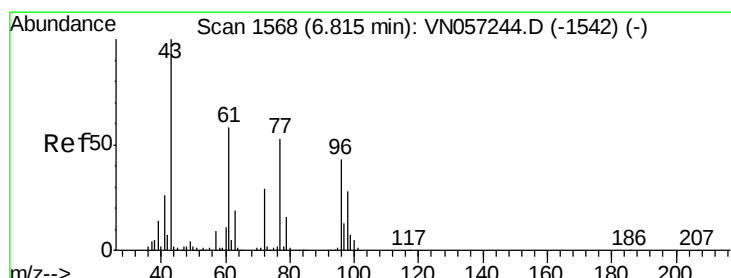
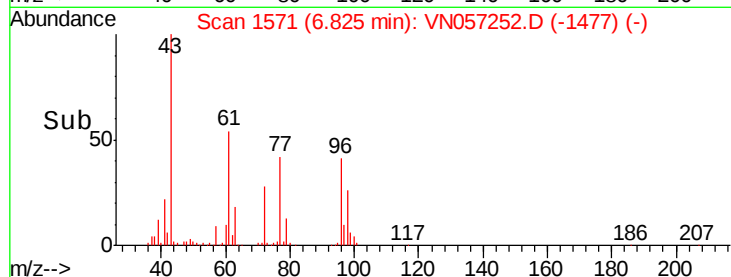
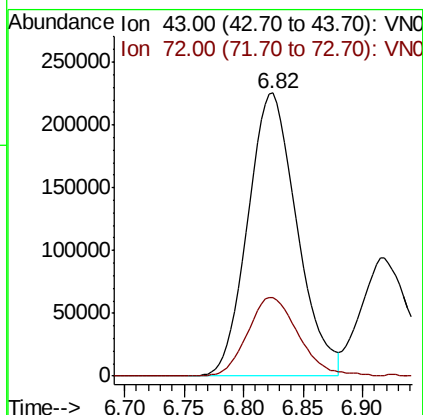
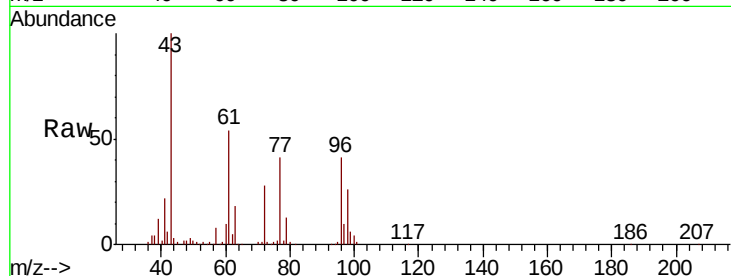




#25
 2-Butanone
 Concen: 108.755 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

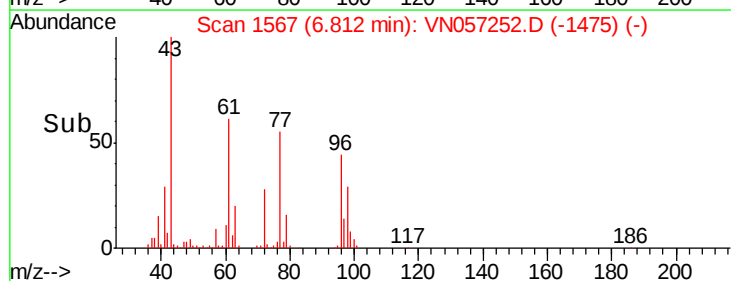
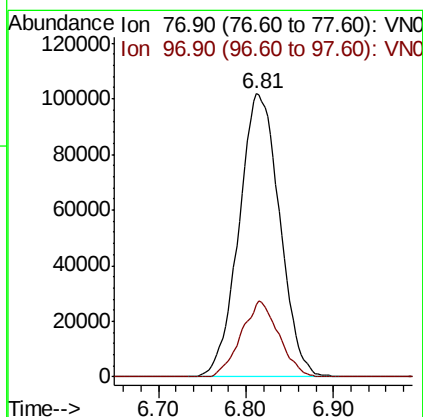
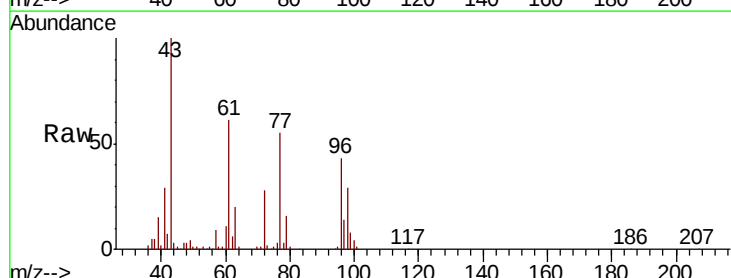
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBS01

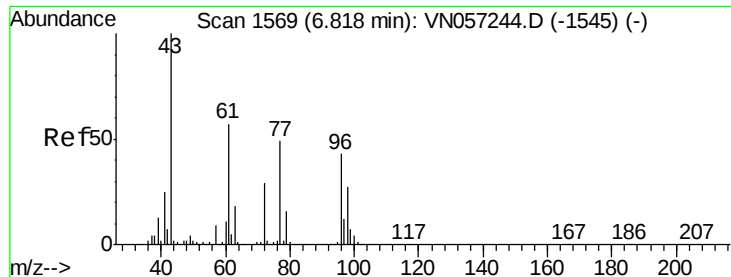
Tgt Ion: 43 Resp: 641950
 Ion Ratio Lower Upper
 43 100
 72 27.7 23.1 34.7



#26
 2,2-Dichloropropane
 Concen: 20.391 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 77 Resp: 328402
 Ion Ratio Lower Upper
 77 100
 97 25.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 21.120 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

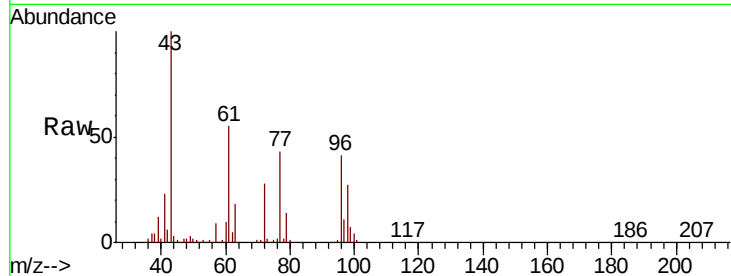
Tgt Ion: 96 Resp: 271210

Ion Ratio Lower Upper

96 100

61 135.8 0.0 271.0

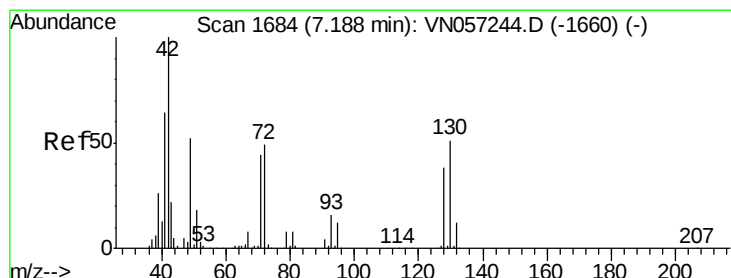
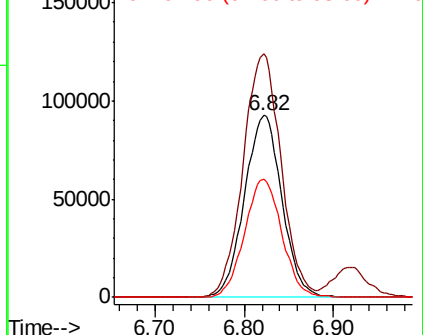
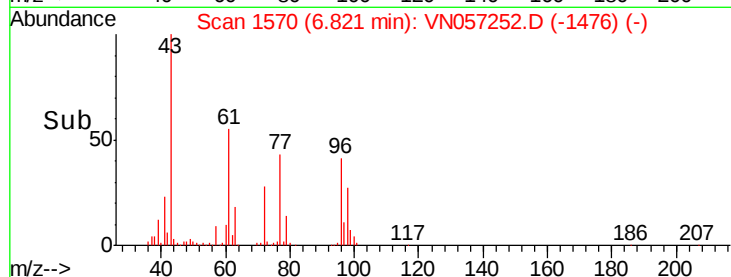
98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.611 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

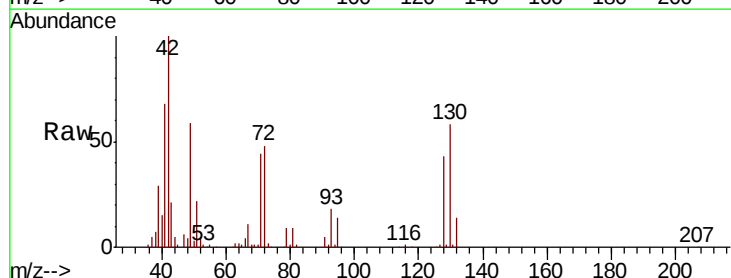
Tgt Ion: 49 Resp: 187192

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.0

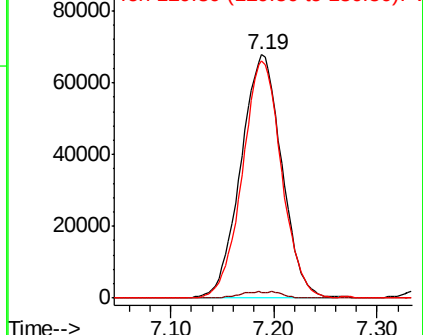
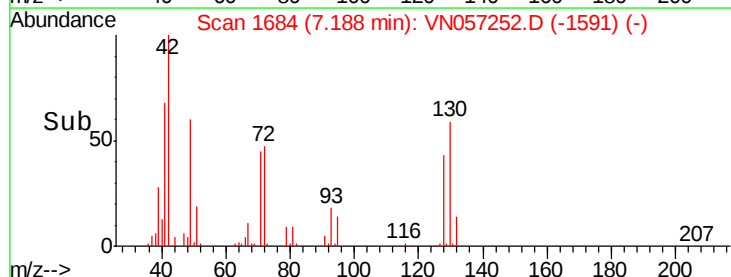
130 93.1 75.6 113.4

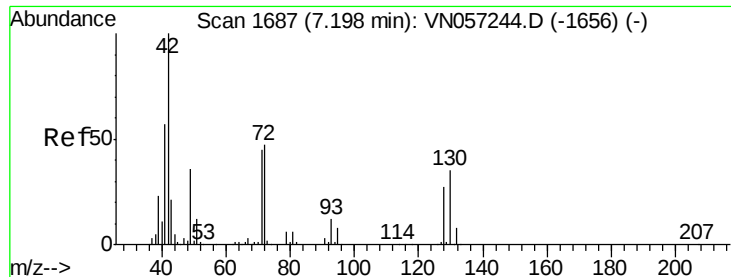


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 112.644 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

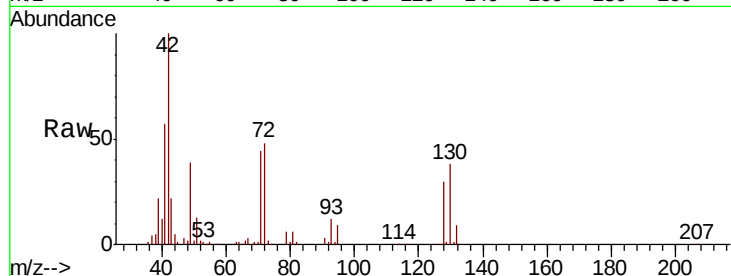
Tgt Ion: 42 Resp: 425054

Ion Ratio Lower Upper

42 100

72 47.6 37.6 56.4

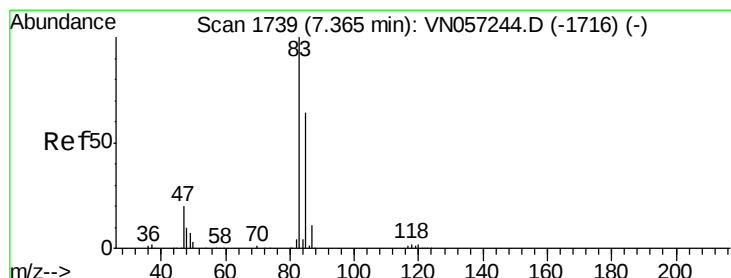
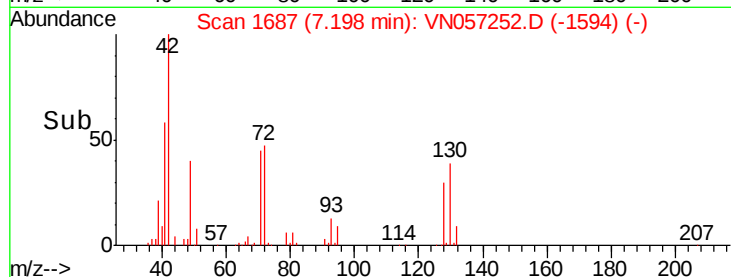
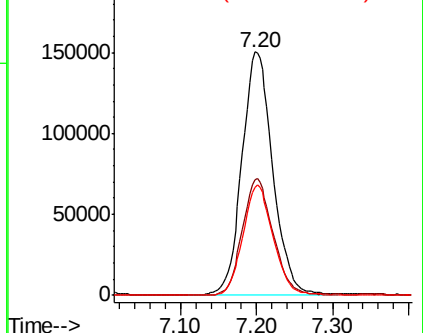
71 44.2 35.6 53.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.686 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN057252.D

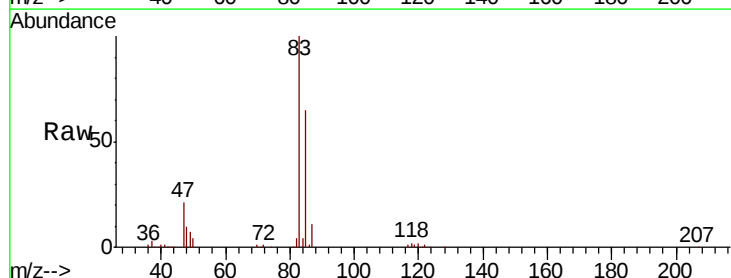
Acq: 13 Aug 2019 17:47

Tgt Ion: 83 Resp: 424180

Ion Ratio Lower Upper

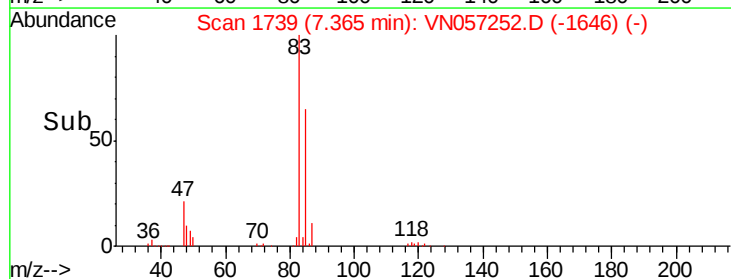
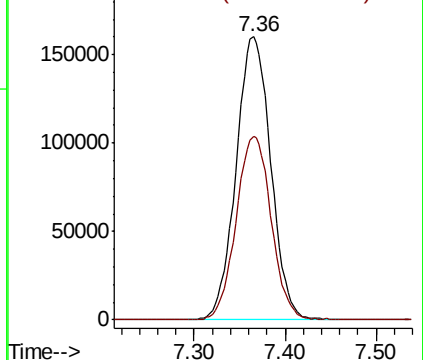
83 100

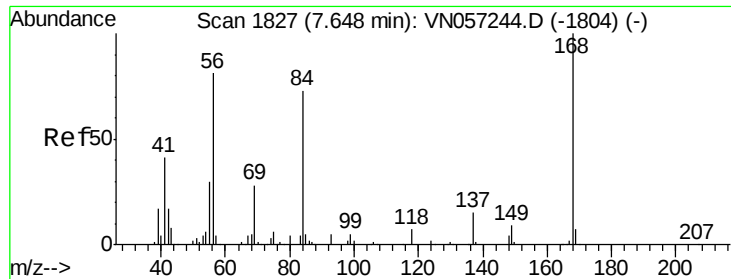
85 65.0 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

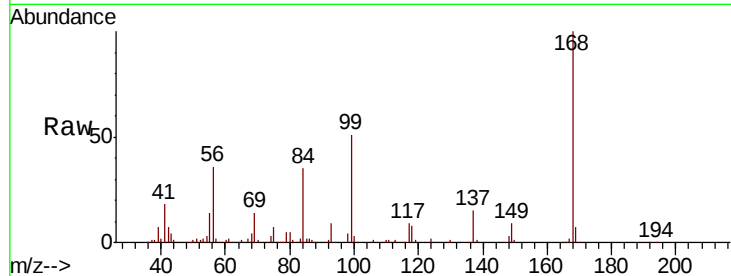




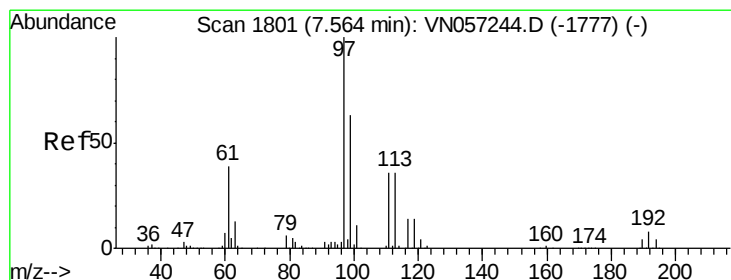
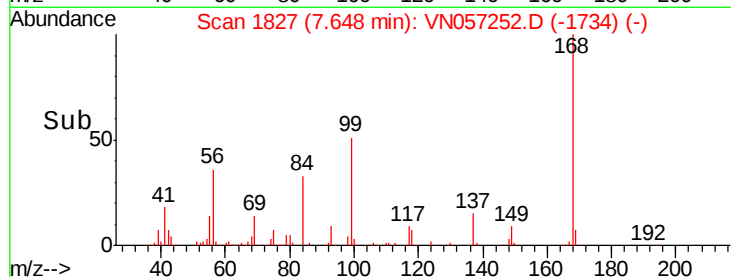
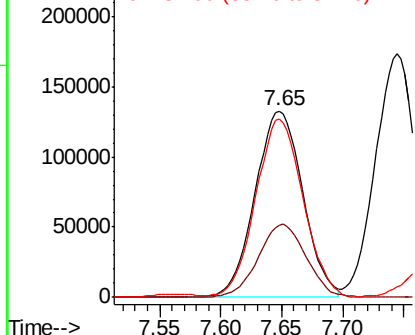
#31
Cyclohexane
Concen: 21.016 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tgt Ion: 56 Resp: 360544
Ion Ratio Lower Upper
56 100
69 39.0 27.8 41.8
84 94.3 72.0 108.0

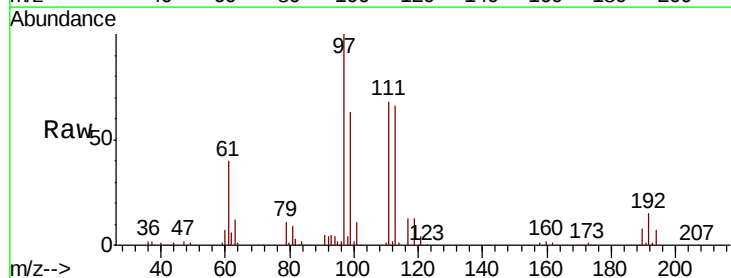


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

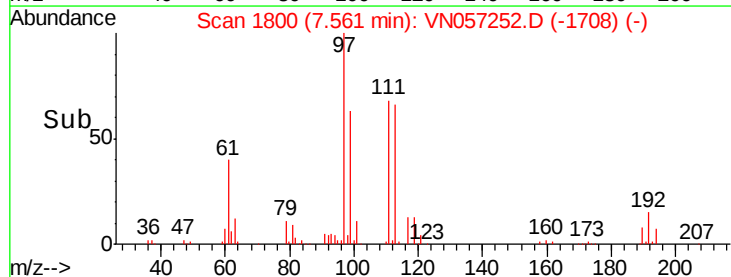
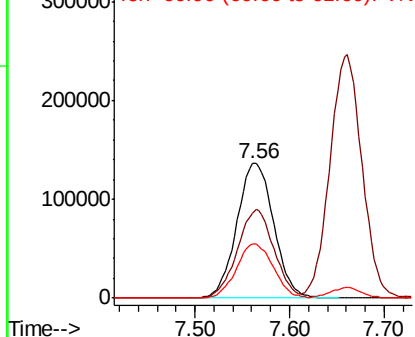


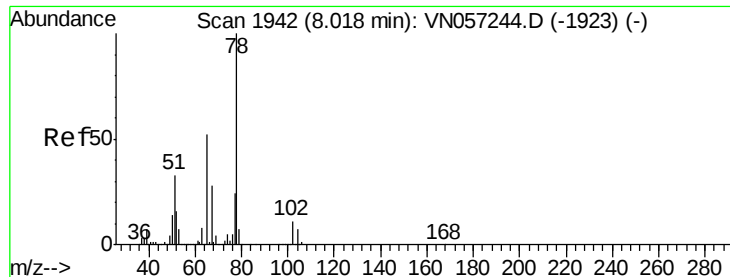
#32
1,1,1-Trichloroethane
Concen: 21.306 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 97 Resp: 369549
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 40.3 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

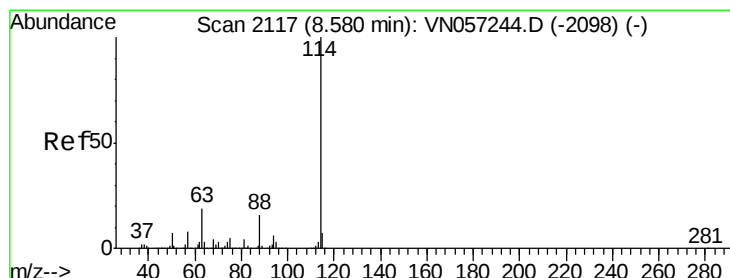
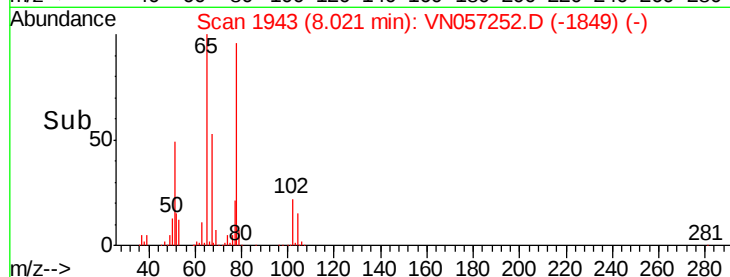
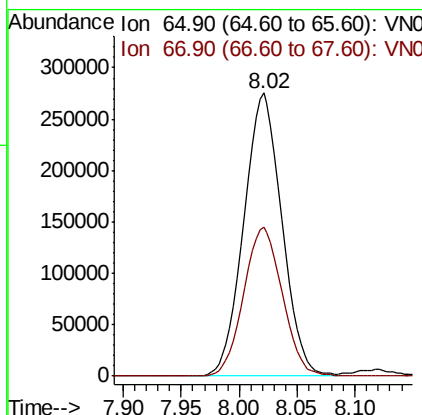
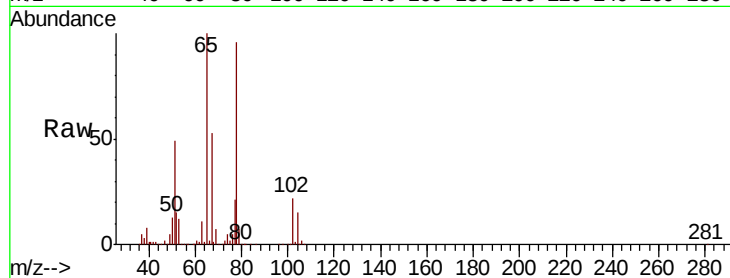




#33
 1,2-Dichloroethane-d4
 Concen: 52.081 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

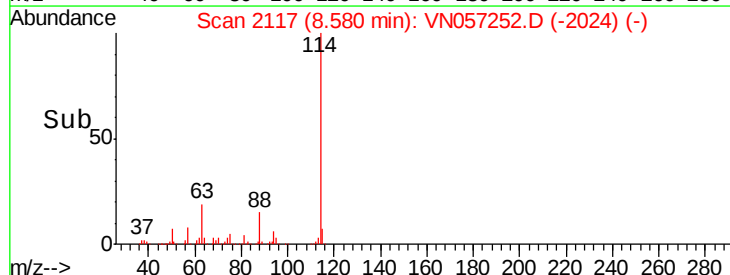
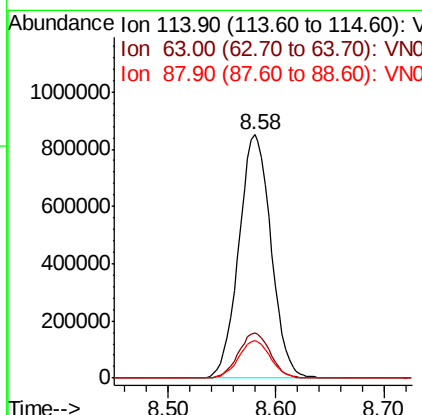
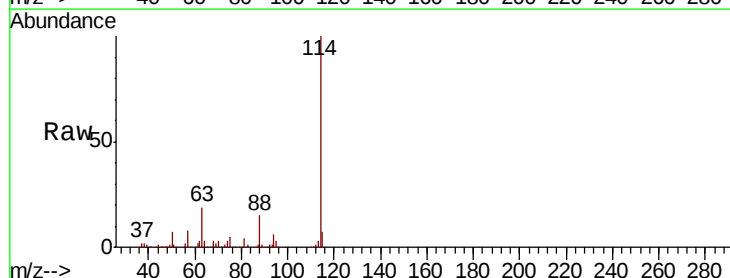
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

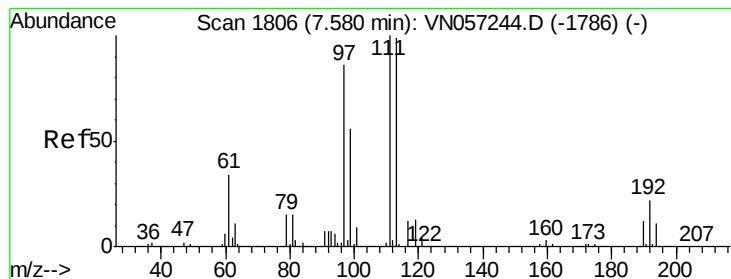
Tgt Ion: 65 Resp: 630687
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 114 Resp: 1769639
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.154 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

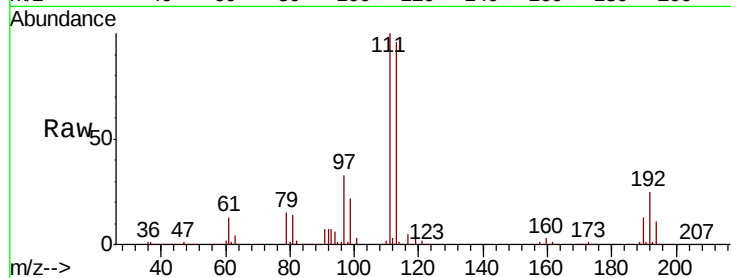
Tgt Ion: 113 Resp: 566714

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

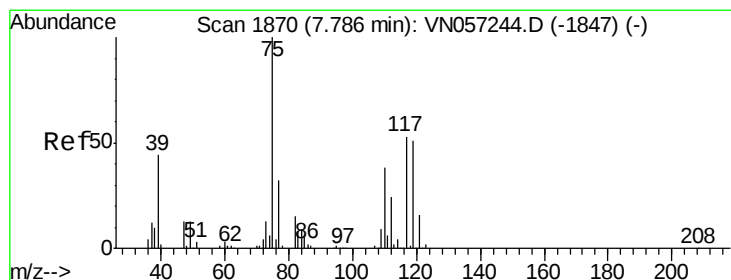
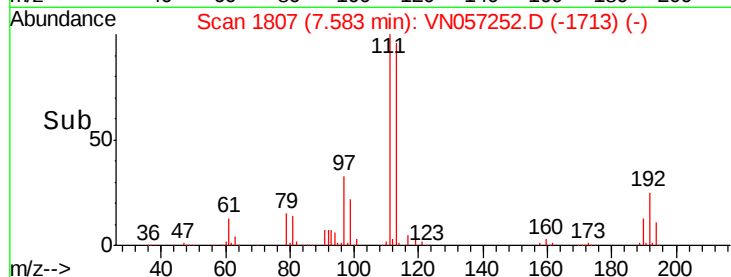
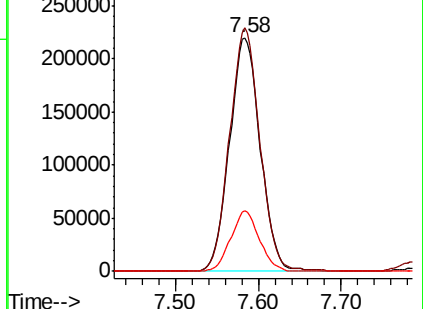
192 24.2 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.109 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

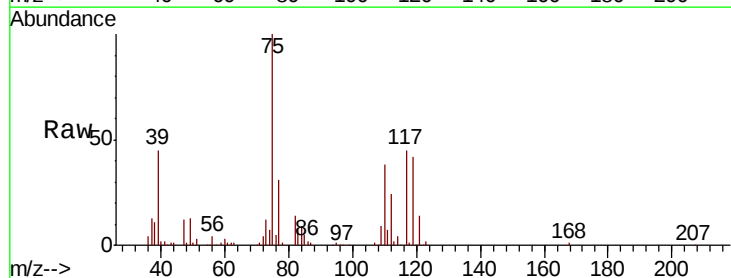
Tgt Ion: 75 Resp: 311121

Ion Ratio Lower Upper

75 100

110 37.8 19.1 57.1

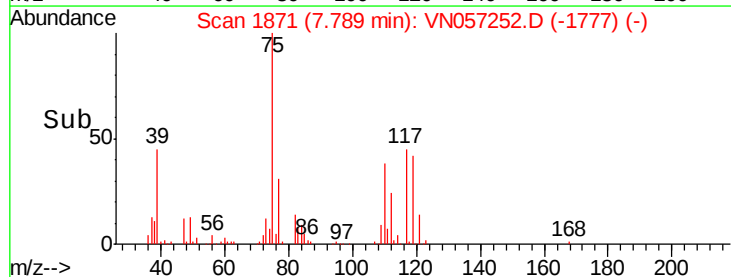
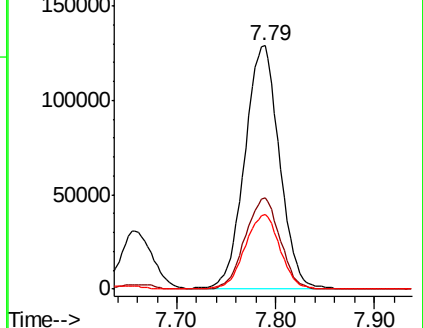
77 31.3 25.2 37.8

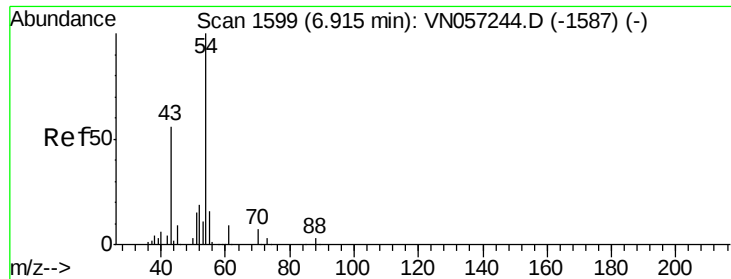


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

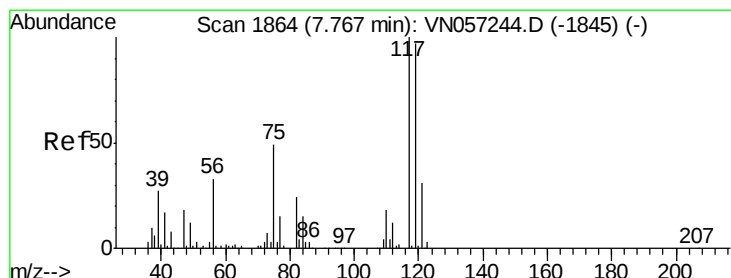
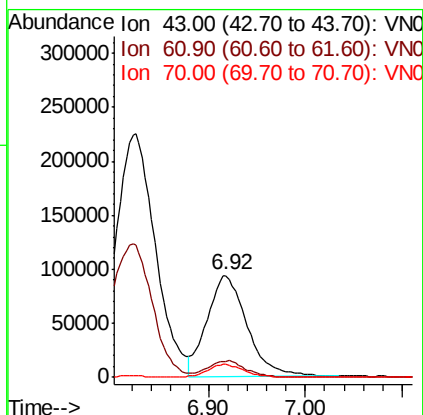
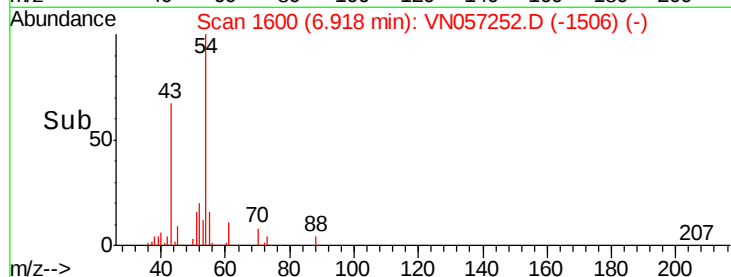
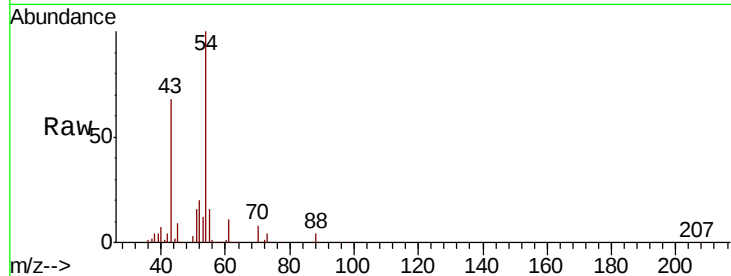




#37
Ethyl Acetate
Concen: 21.604 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

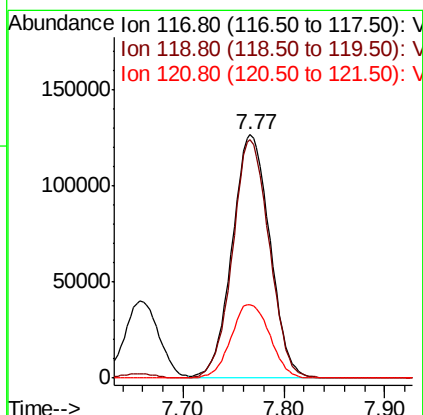
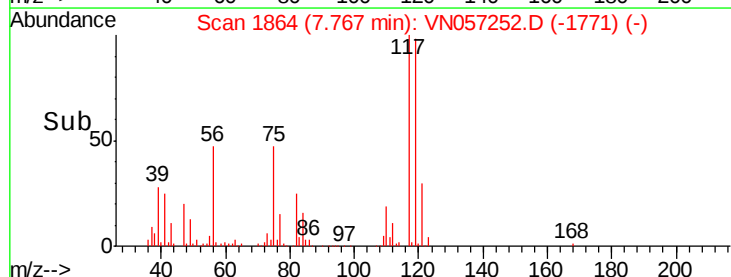
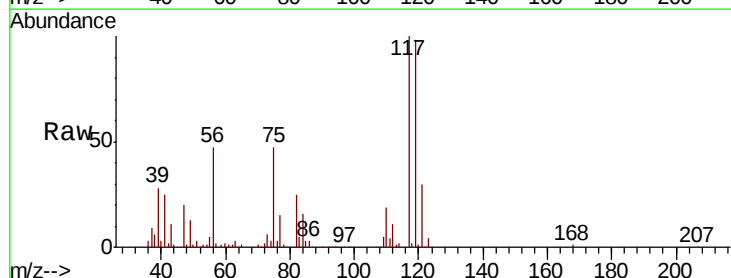
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

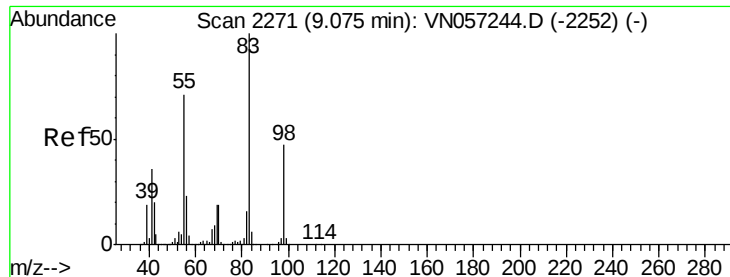
Tgt Ion: 43 Resp: 268659
Ion Ratio Lower Upper
43 100
61 15.4 12.7 19.1
70 11.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 19.975 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 117 Resp: 328296
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.6
121 29.9 24.9 37.3

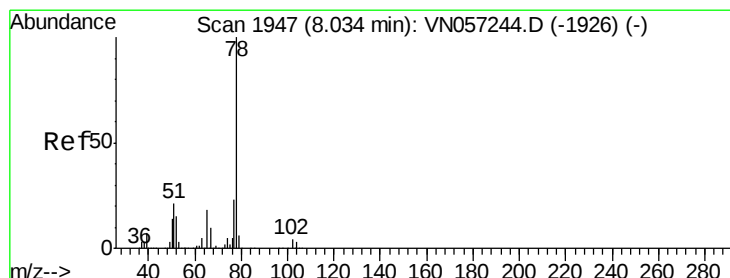
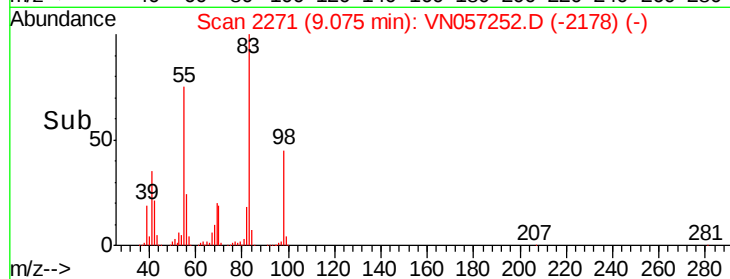
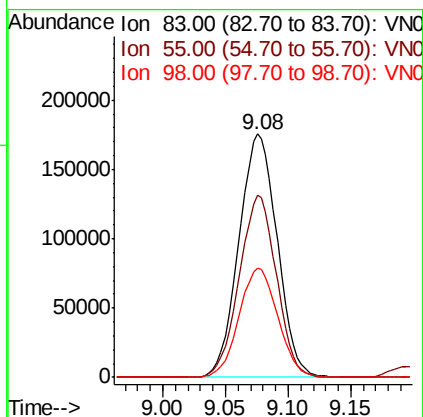
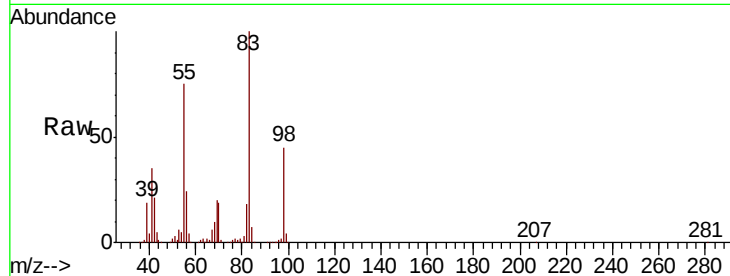




#39
Methylcyclohexane
Concen: 20.378 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

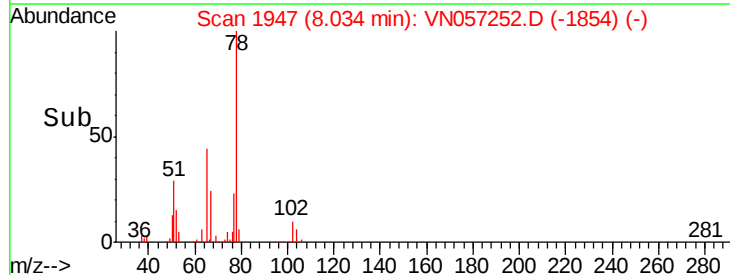
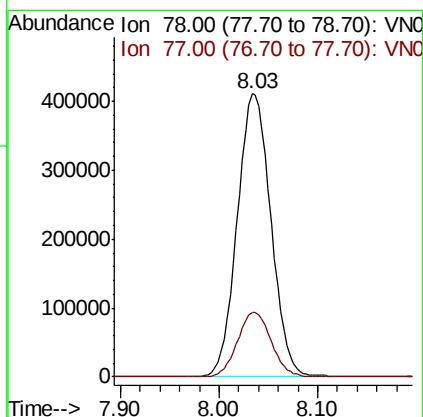
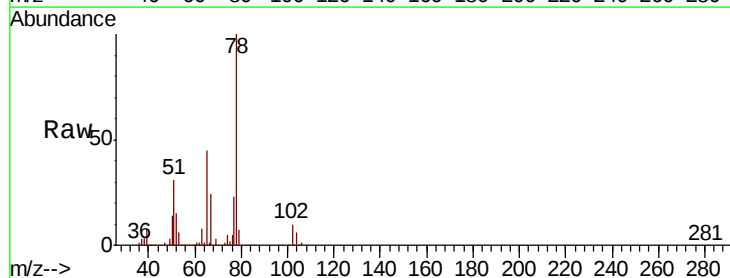
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

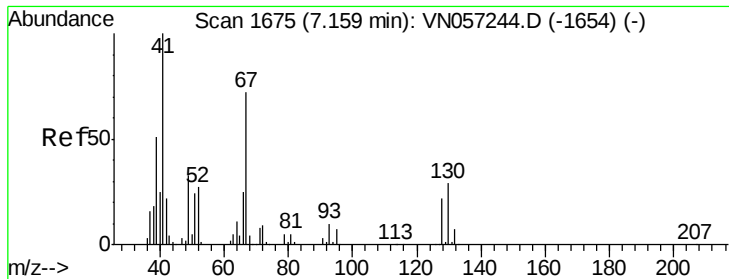
Tgt Ion: 83 Resp: 373278
Ion Ratio Lower Upper
83 100
55 74.9 57.0 85.4
98 45.0 37.2 55.8



#40
Benzene
Concen: 20.698 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 78 Resp: 972880
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4

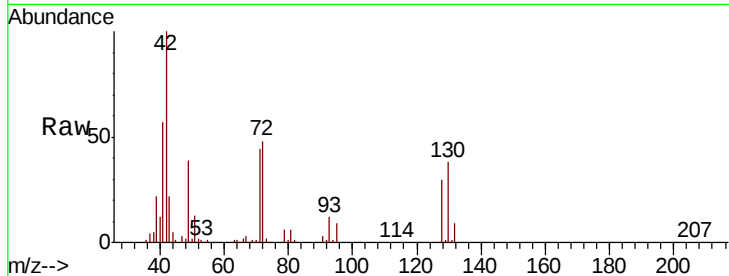




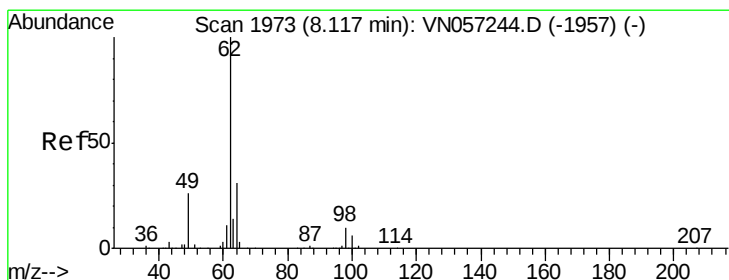
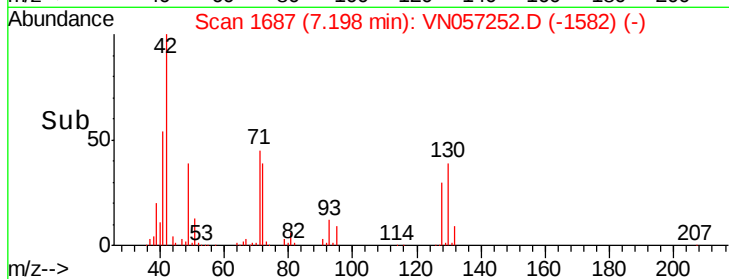
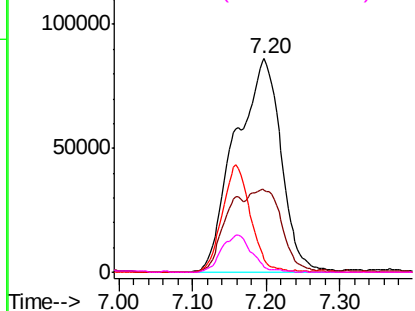
#41
Methacrylonitrile
Concen: 72.908 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tgt Ion:	41	Resp:	373112
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

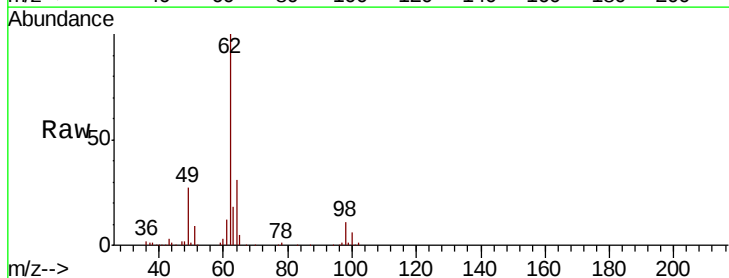


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

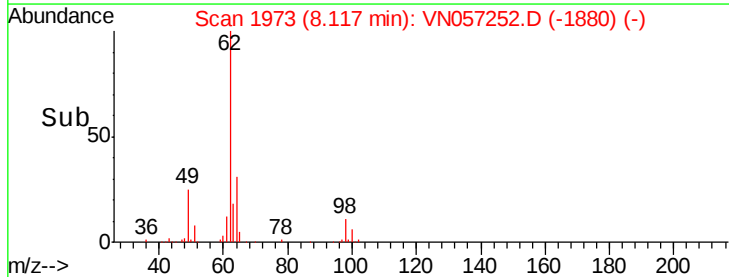
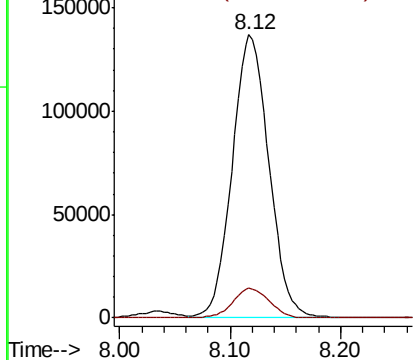


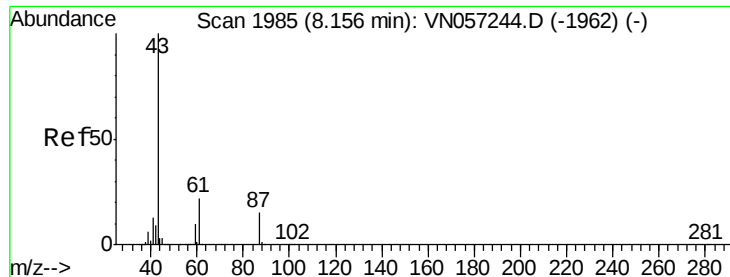
#42
1,2-Dichloroethane
Concen: 20.870 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion:	62	Resp:	314342
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.307 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

VN0813WBS01

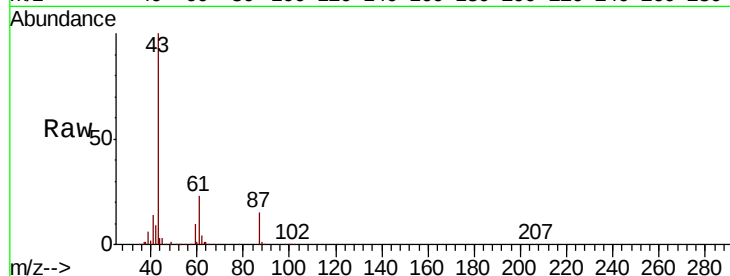
Tgt Ion: 43 Resp: 436371

Ion Ratio Lower Upper

43 100

61 29.6 23.5 35.3

87 14.9 12.1 18.1

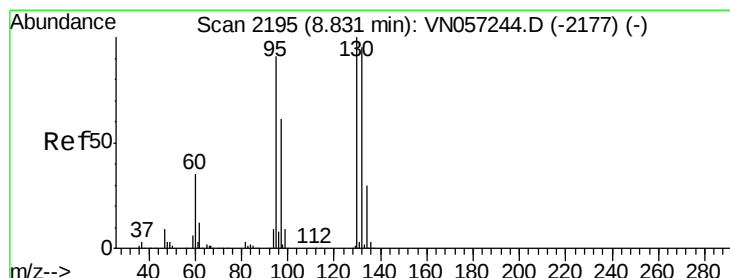
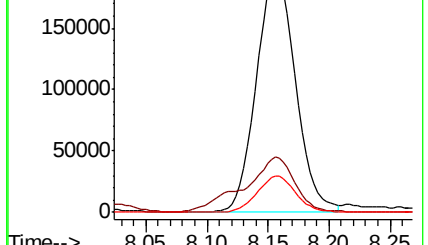
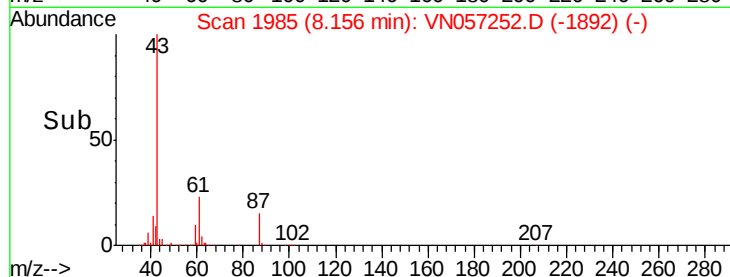


Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN057244.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN057244.D (-1962) (-)

Time-->



#44

Trichloroethene

Concen: 20.087 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057252.D

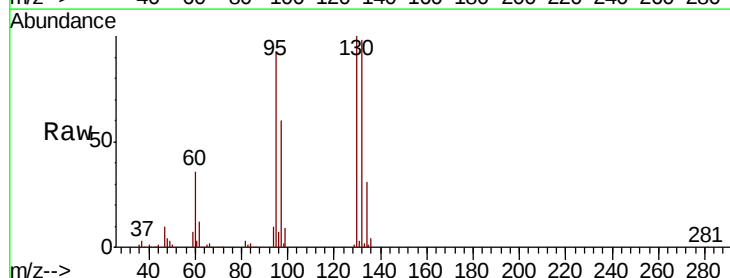
Acq: 13 Aug 2019 17:47

Tgt Ion: 130 Resp: 273683

Ion Ratio Lower Upper

130 100

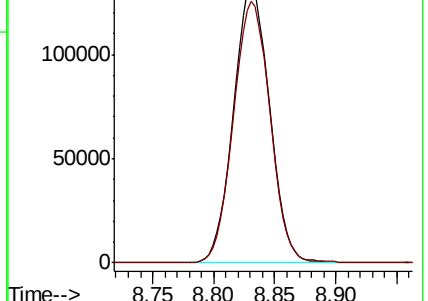
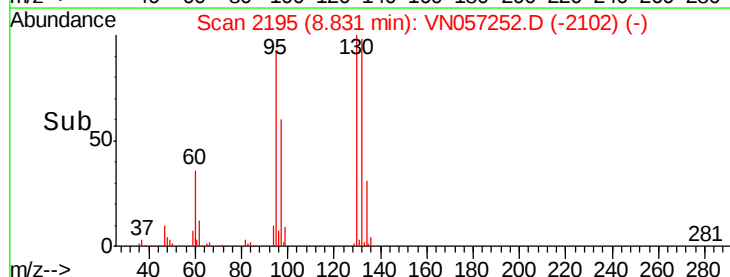
95 92.6 0.0 181.8

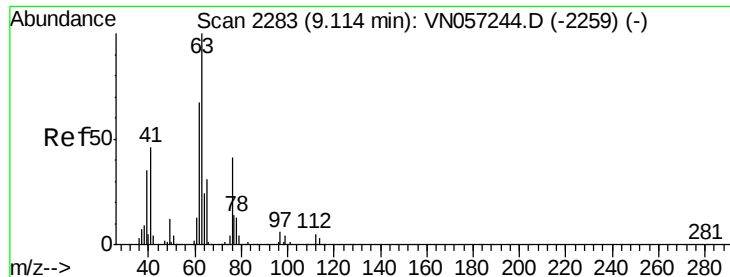


Abundance Ion 129.80 (129.50 to 130.50): VN057244.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057244.D (-2177) (-)

Time-->

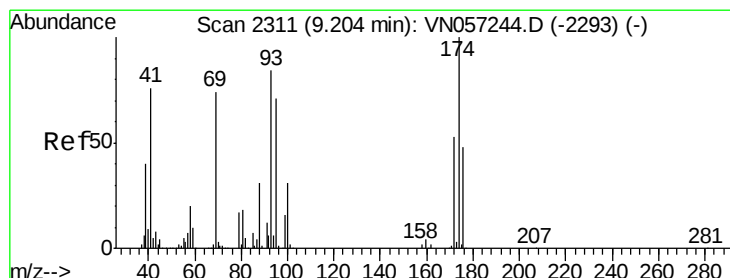
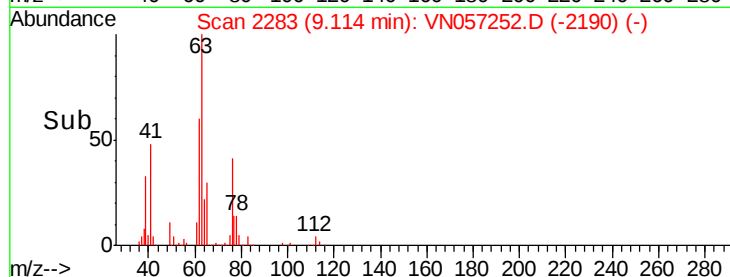
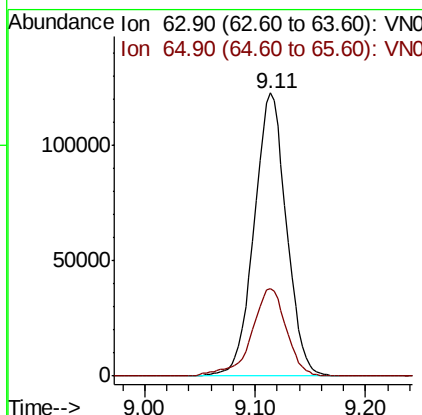
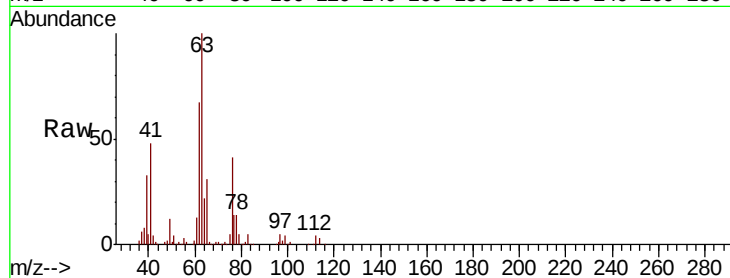




#45
 1,2-Dichloropropane
 Concen: 20.887 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

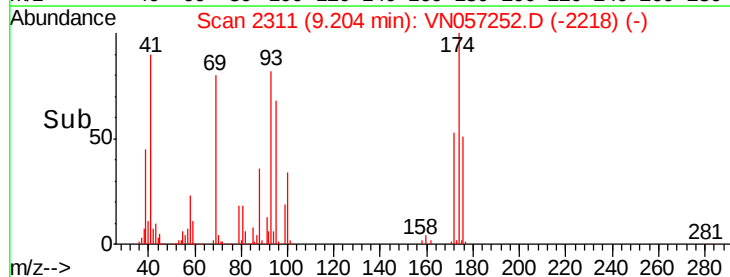
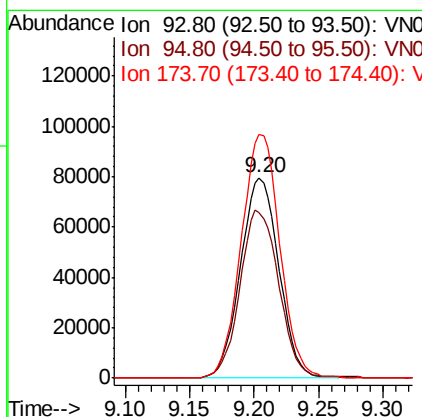
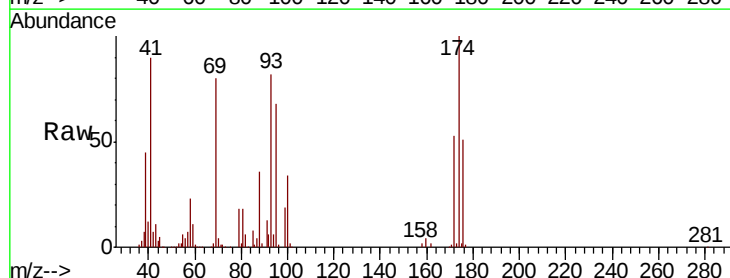
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

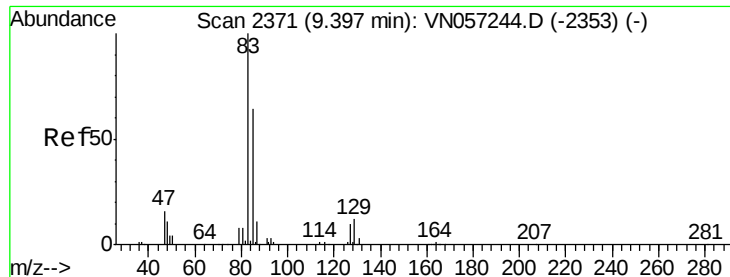
Tgt Ion: 63 Resp: 248712
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4



#46
 Dibromomethane
 Concen: 20.586 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 93 Resp: 165282
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.0 100.4
 174 122.4 96.2 144.2





#47

Bromodichloromethane

Concen: 20.940 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

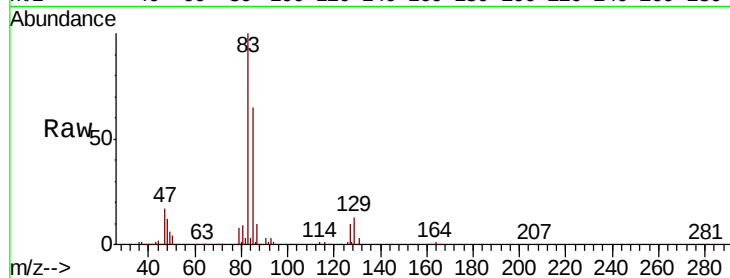
Tgt Ion: 83 Resp: 324131

Ion Ratio Lower Upper

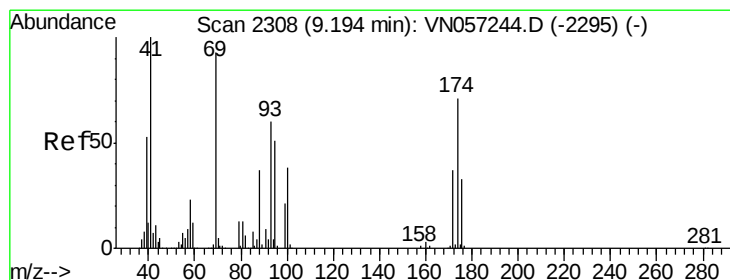
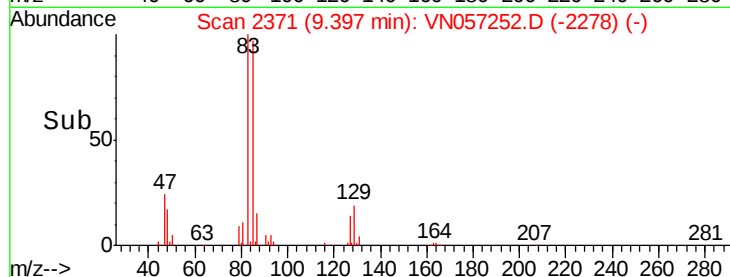
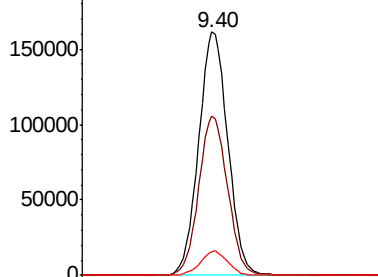
83 100

85 65.5 51.4 77.0

127 9.6 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.788 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

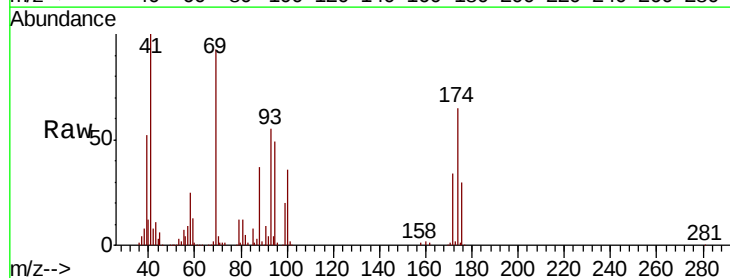
Tgt Ion: 41 Resp: 206474

Ion Ratio Lower Upper

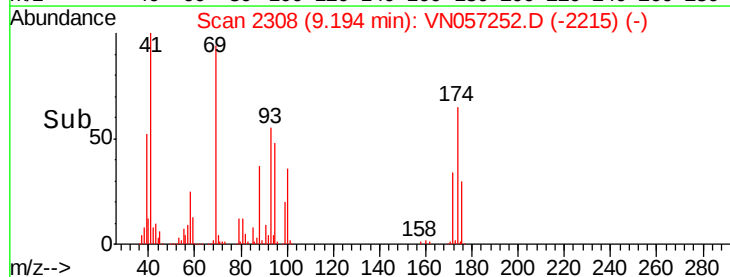
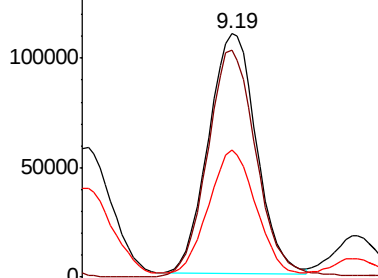
41 100

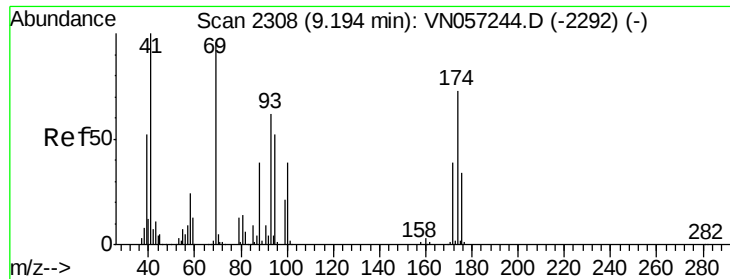
69 96.8 75.7 113.5

39 53.3 43.3 64.9



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

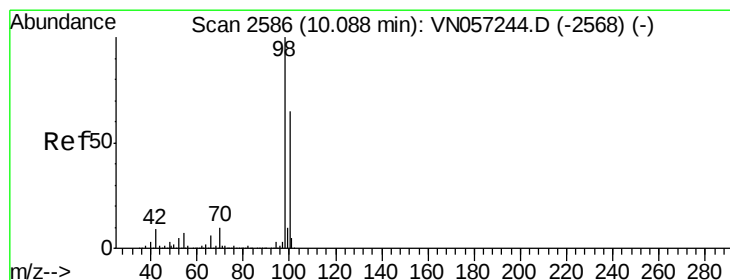
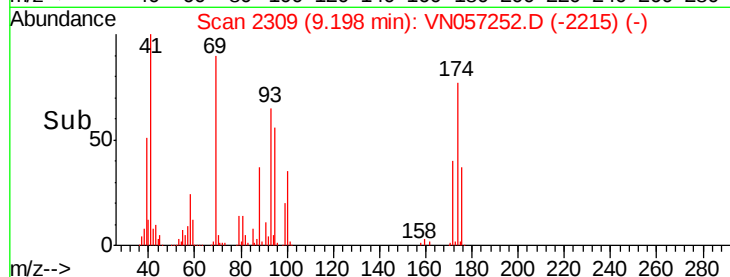
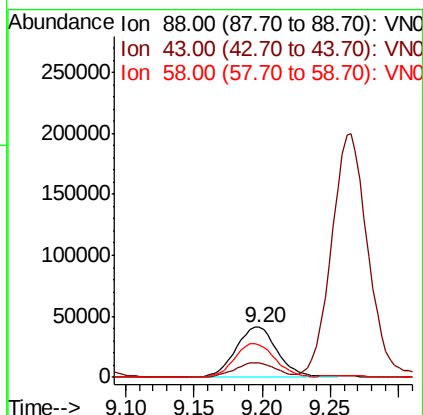
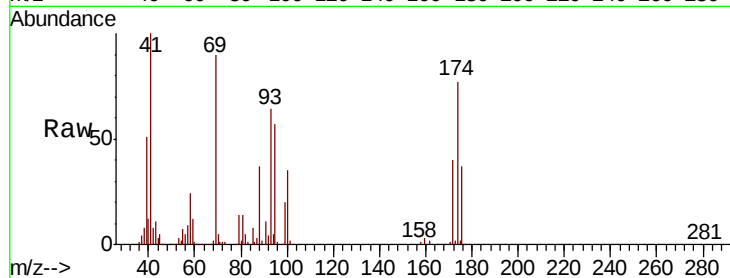




#49
1,4-Dioxane
Concen: 413.344 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

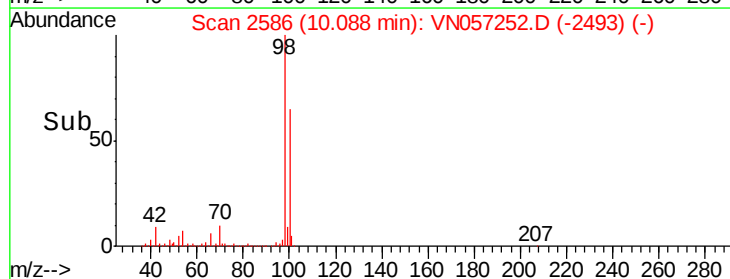
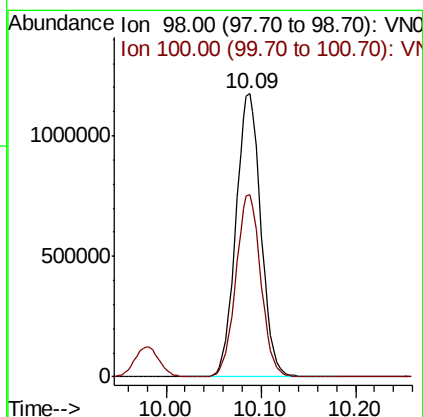
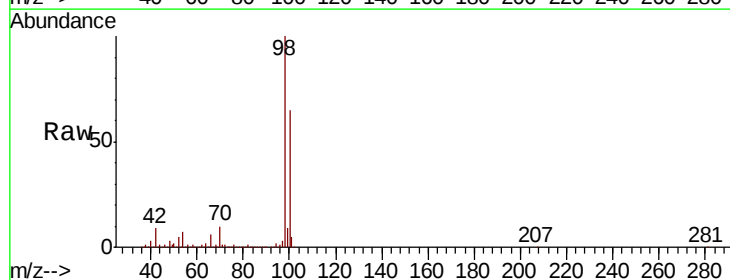
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

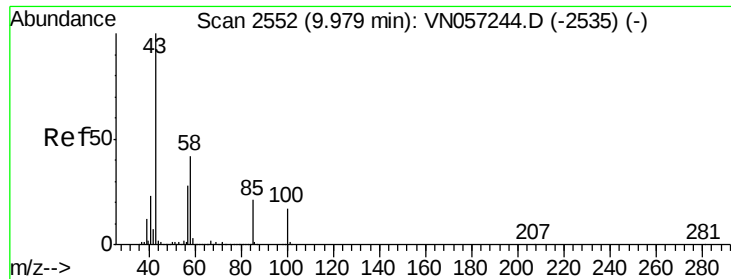
Tgt Ion: 88 Resp: 88272
Ion Ratio Lower Upper
88 100
43 27.2 20.7 31.1
58 65.1 52.0 78.0



#50
Toluene-d8
Concen: 52.110 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 98 Resp: 2147646
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

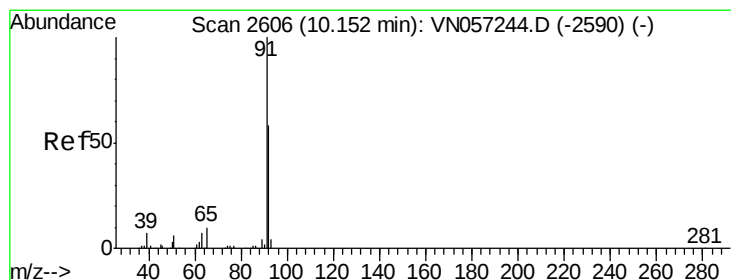
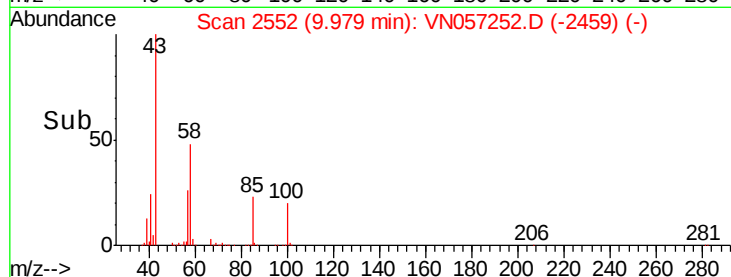
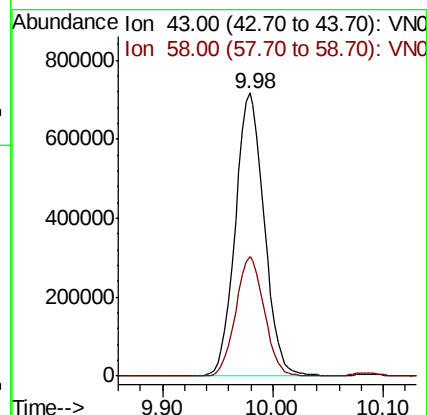
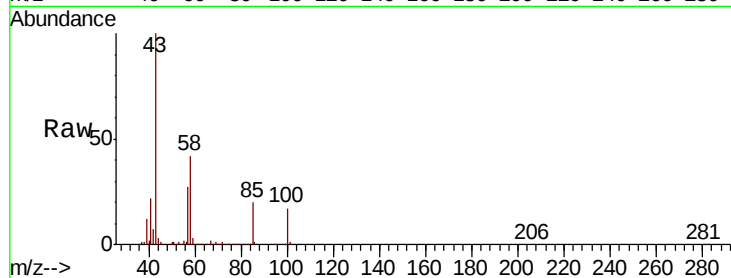




#51
 4-Methyl-2-Pentanone
 Concen: 107.940 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

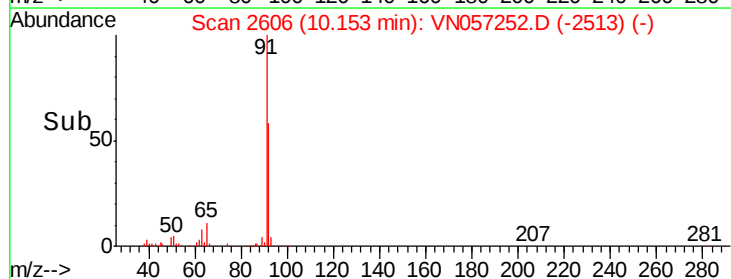
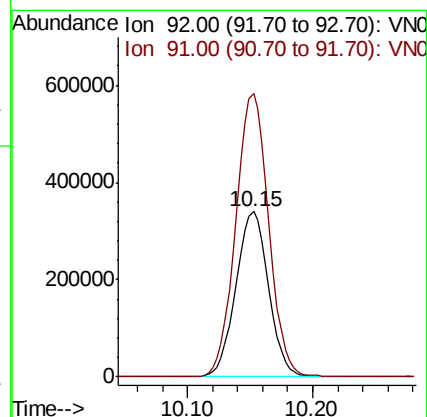
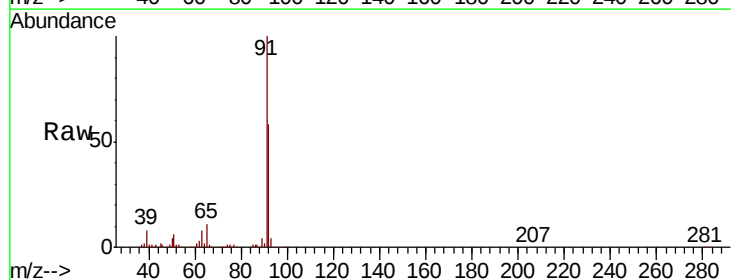
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBS01

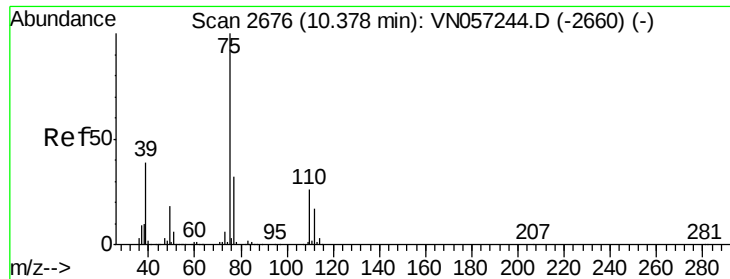
Tgt Ion: 43 Resp: 1298084
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.7 50.5



#52
 Toluene
 Concen: 21.020 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 92 Resp: 613799
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 21.217 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

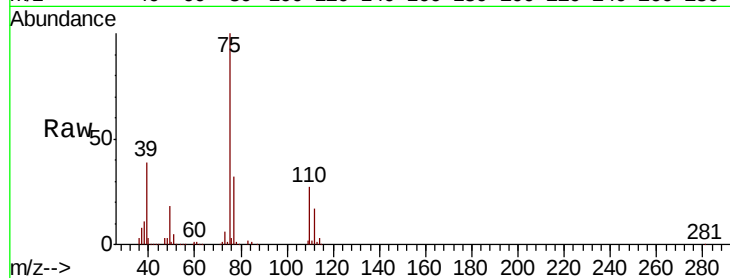
VN0813WBS01

Tgt Ion: 75 Resp: 351296

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

150000

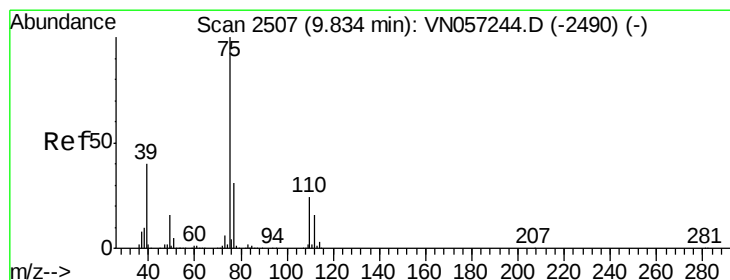
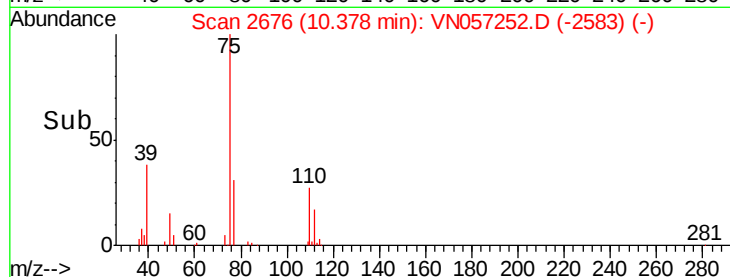
100000

50000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 21.174 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

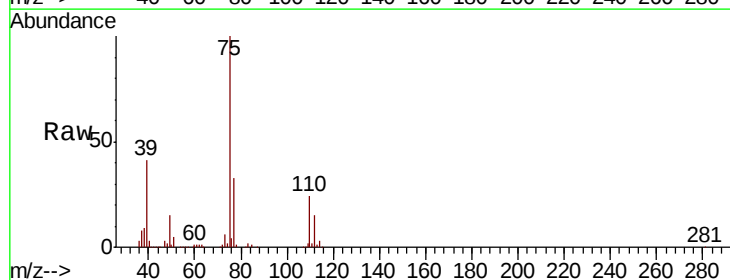
Tgt Ion: 75 Resp: 395115

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.6

39 40.9 32.3 48.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

150000

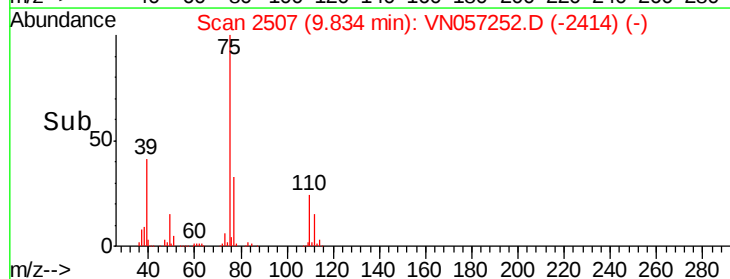
100000

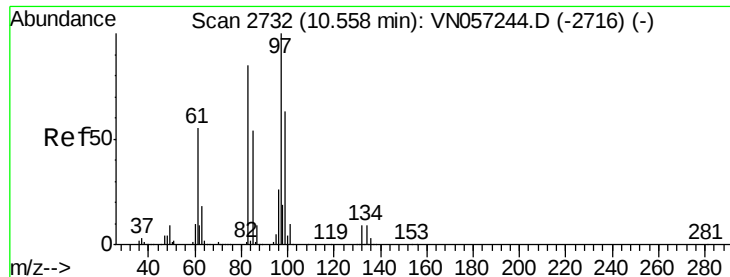
50000

0

Time-->

9.75 9.80 9.85 9.90 9.95

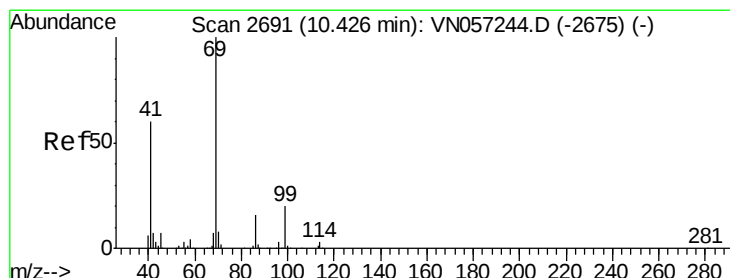
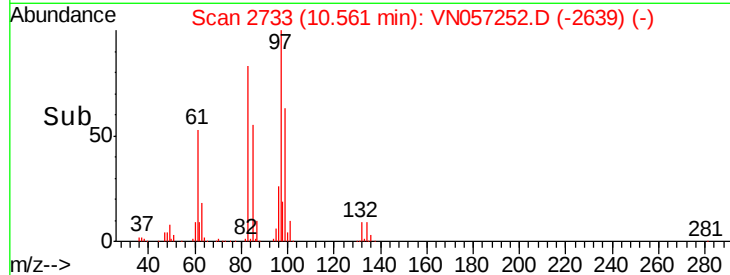
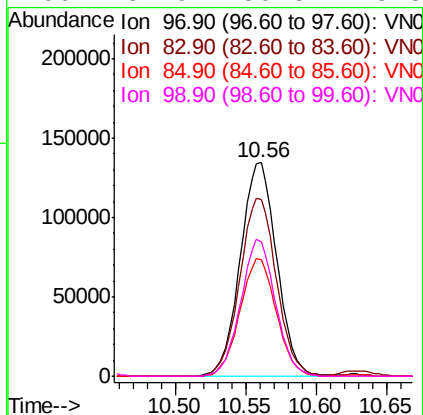
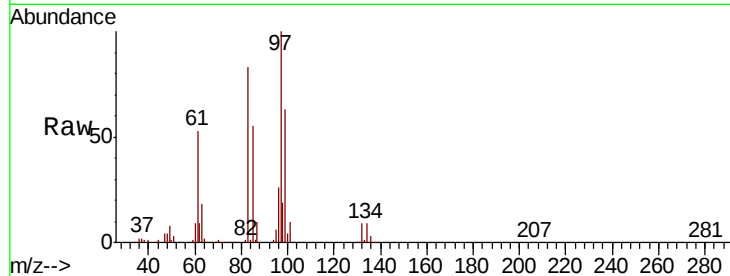




#55
 1,1,2-Trichloroethane
 Concen: 21.402 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

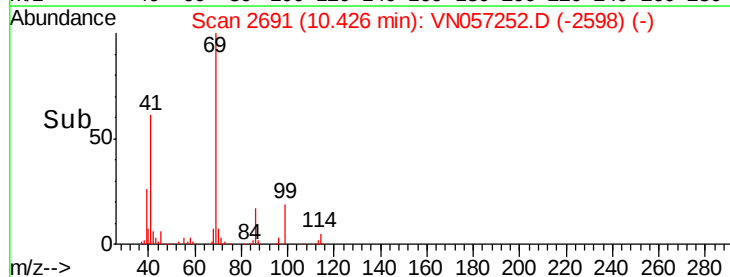
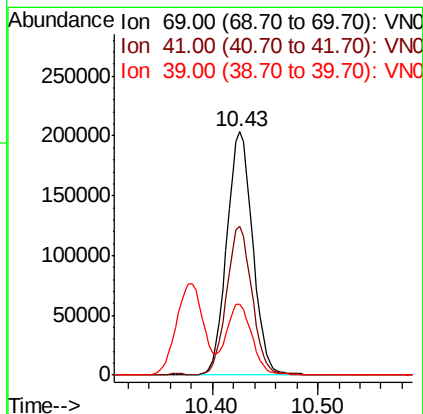
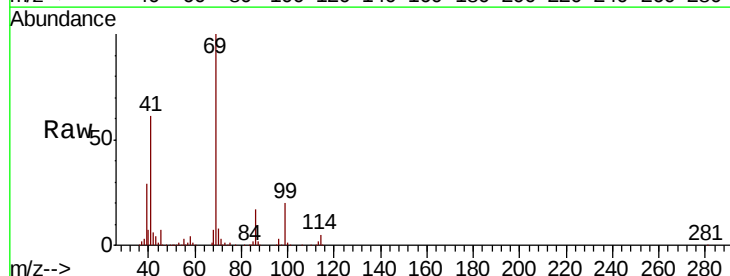
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

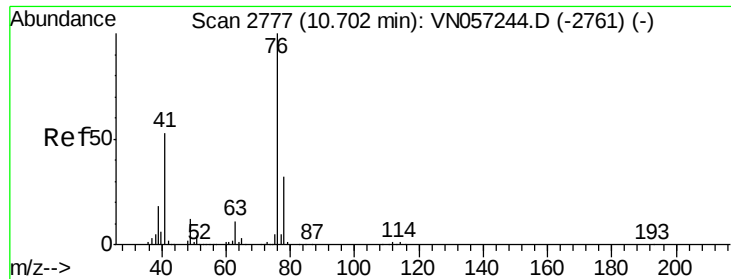
Tgt Ion:	97	Resp:	244271
Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.4	102.6
85	54.5	43.0	64.6
99	62.9	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 21.577 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion:	69	Resp:	345513
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.6	71.4
39	28.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 21.040 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

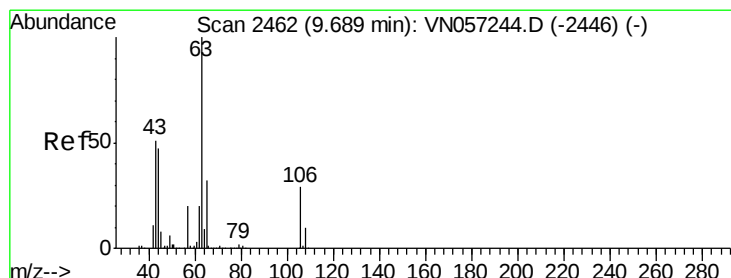
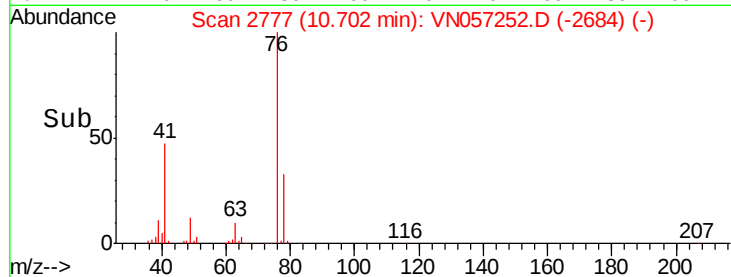
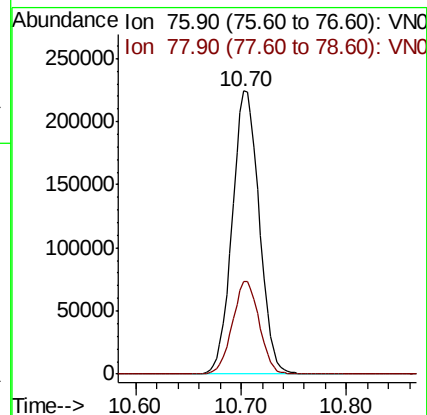
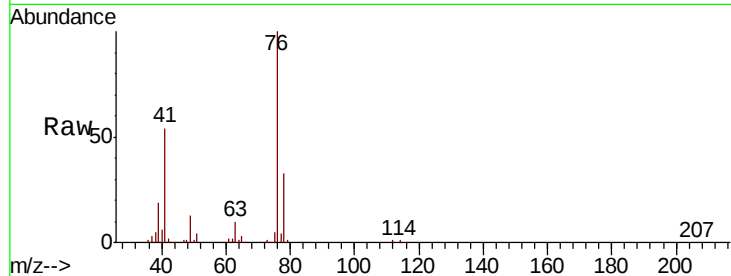
VN0813WBS01

Tgt Ion: 76 Resp: 396206

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.321 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057252.D

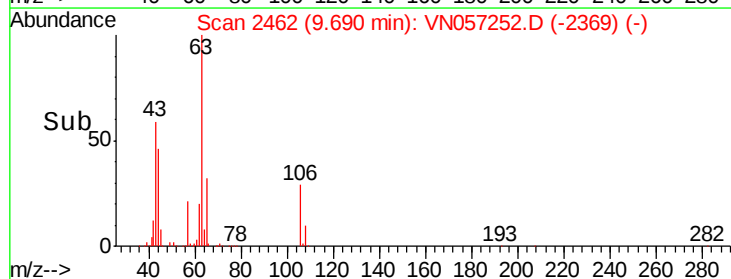
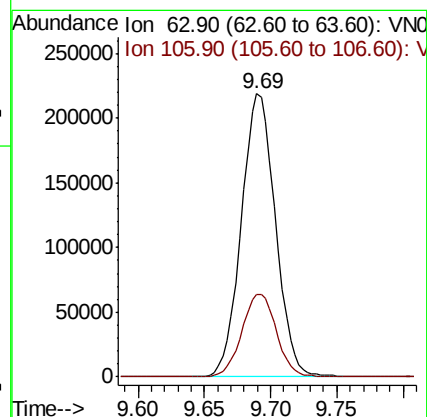
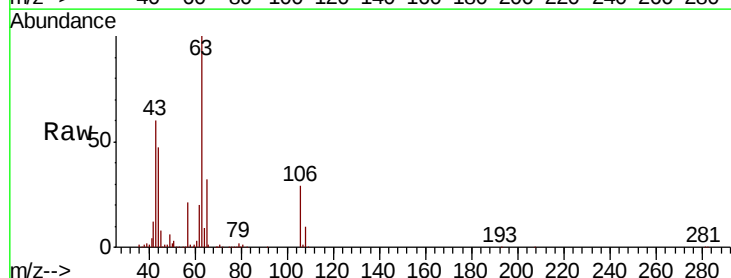
Acq: 13 Aug 2019 17:47

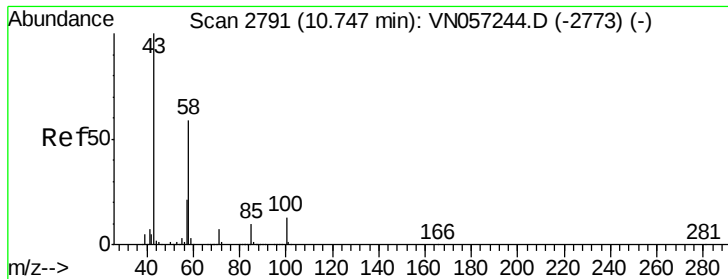
Tgt Ion: 63 Resp: 391640

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.2

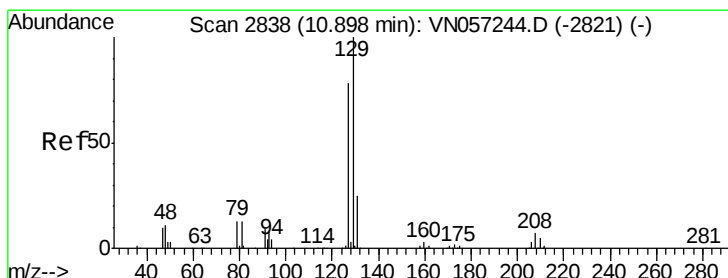
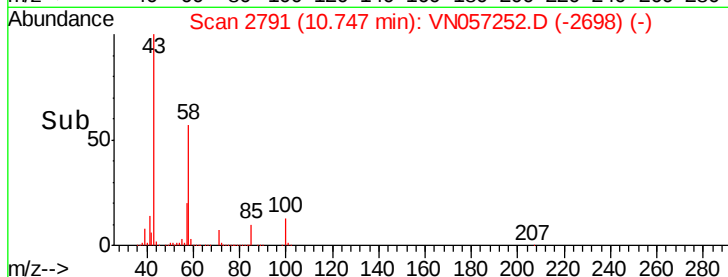
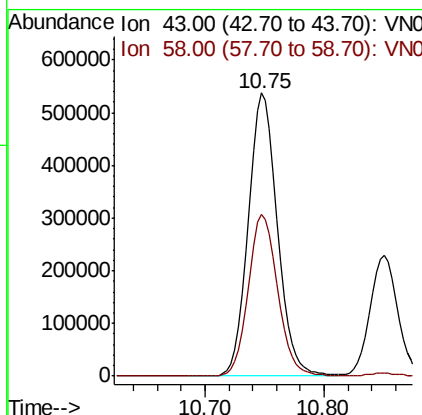
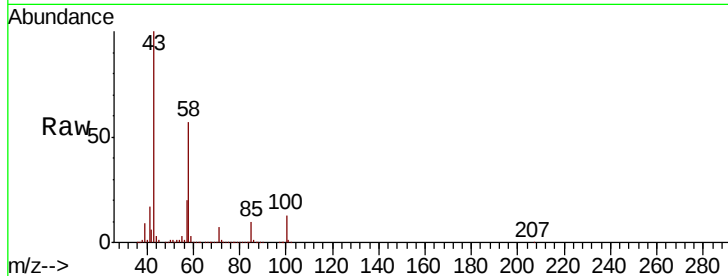




#59
2-Hexanone
Concen: 106.633 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

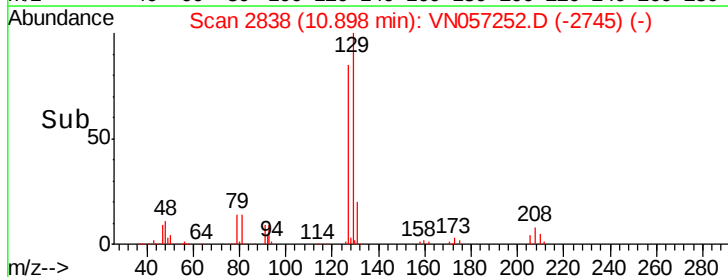
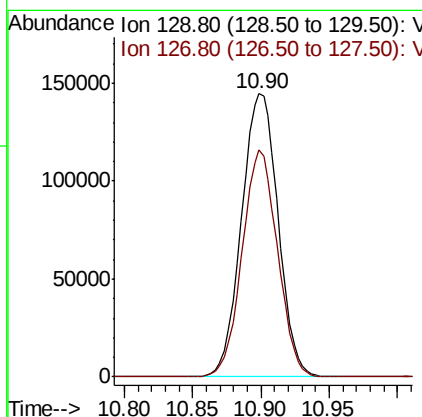
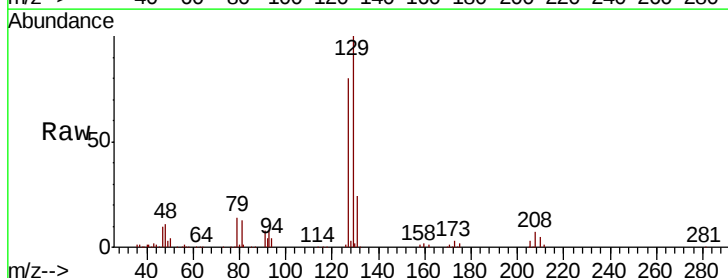
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

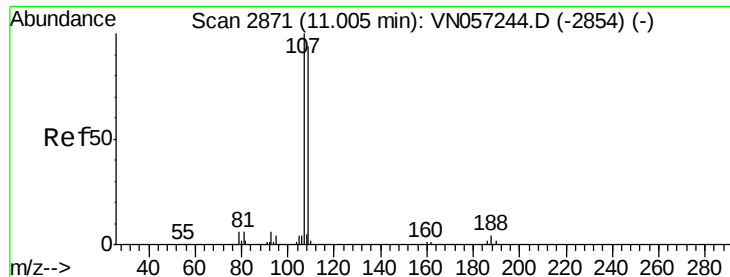
Tgt Ion: 43 Resp: 909865
Ion Ratio Lower Upper
43 100
58 57.8 29.1 87.4



#60
Dibromochloromethane
Concen: 21.025 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 129 Resp: 269111
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

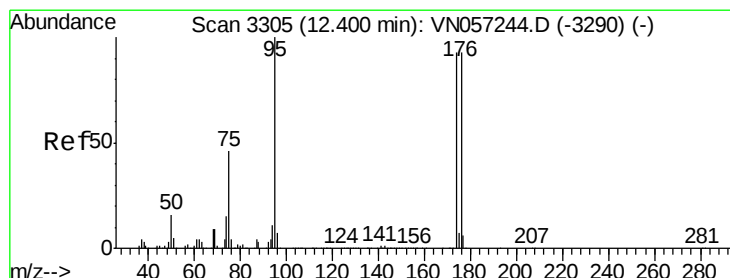
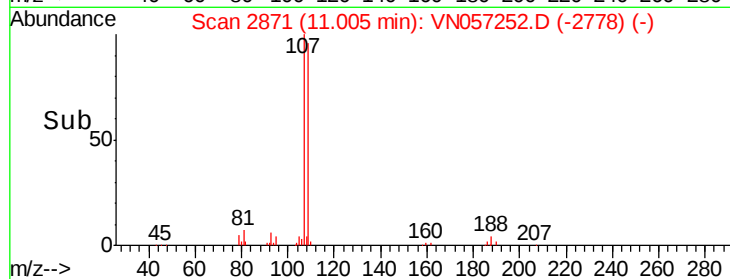
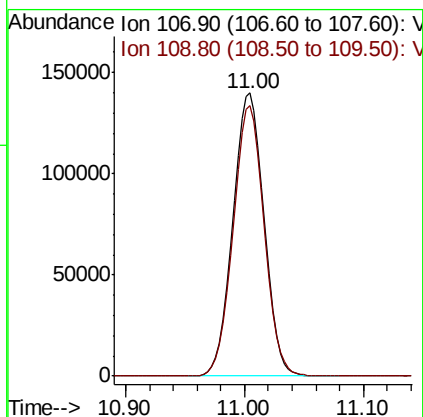
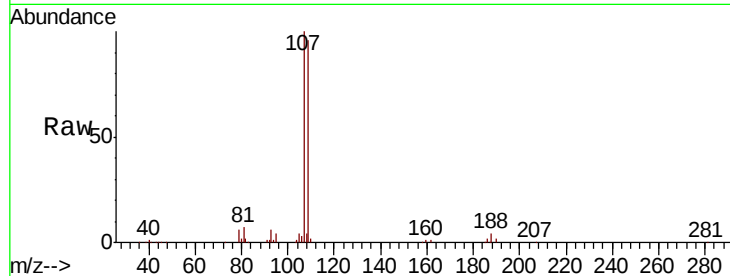




#61
 1,2-Dibromoethane
 Concen: 21.366 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

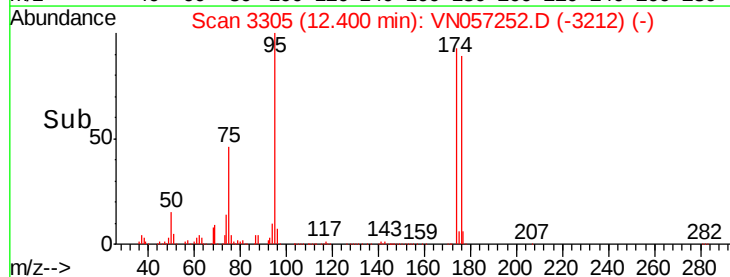
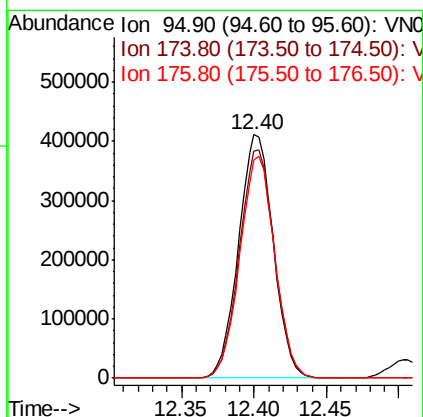
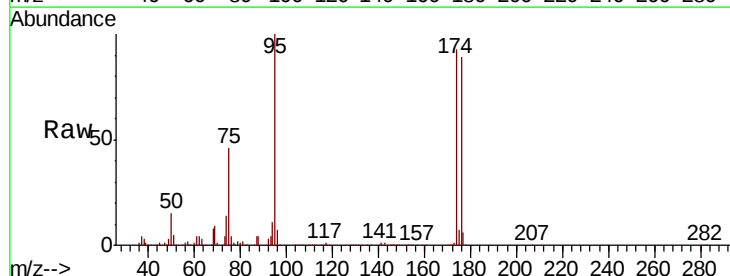
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

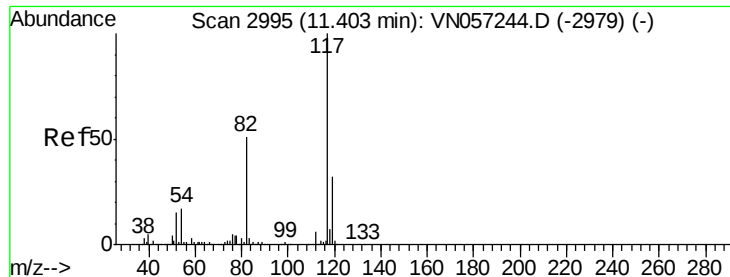
Tgt Ion: 107 Resp: 253171
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.341 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 95 Resp: 683244
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 187.6
 176 91.9 0.0 185.8

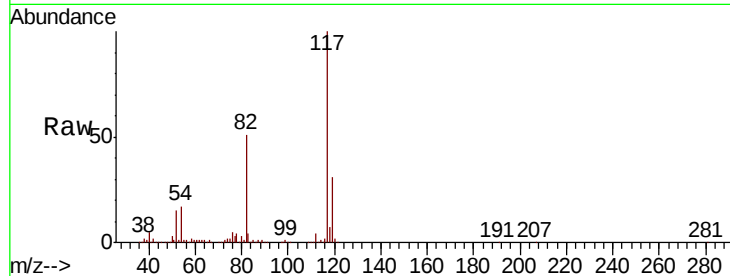




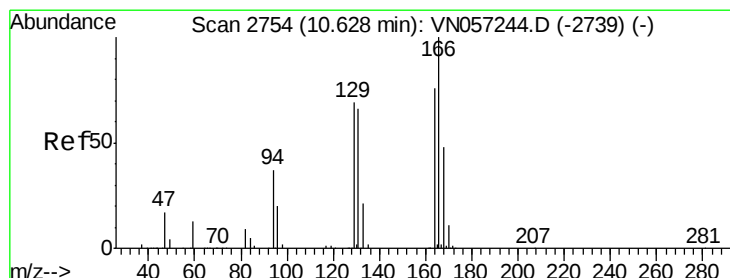
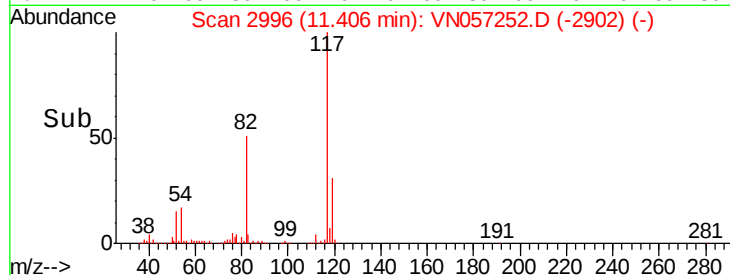
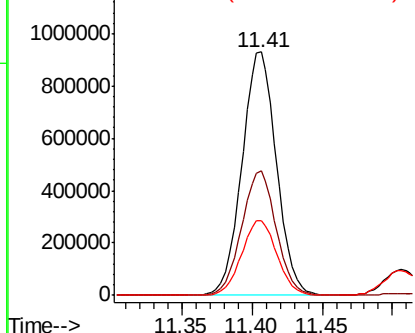
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tgt Ion:117 Resp: 1589564
Ion Ratio Lower Upper
117 100
82 50.9 40.9 61.3
119 30.9 25.4 38.2

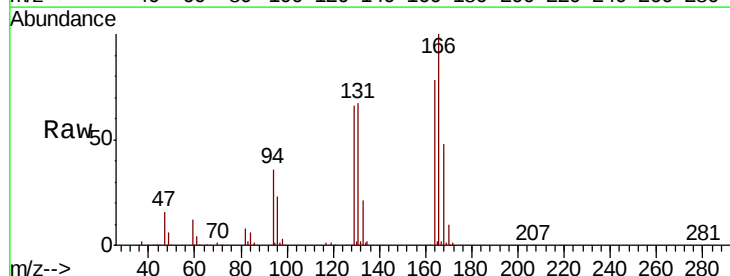


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

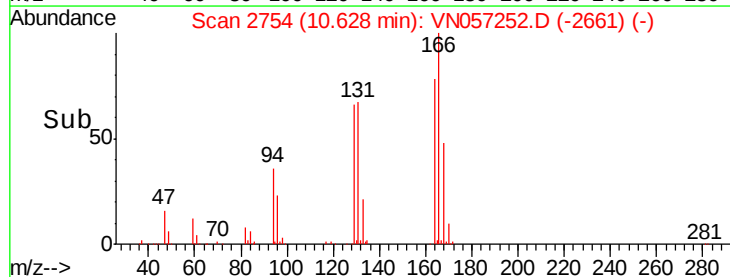
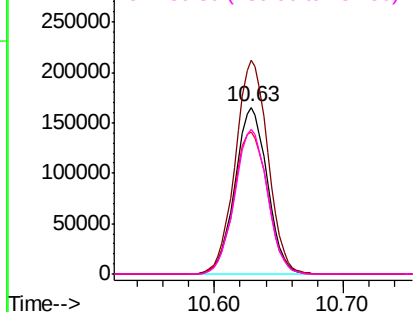


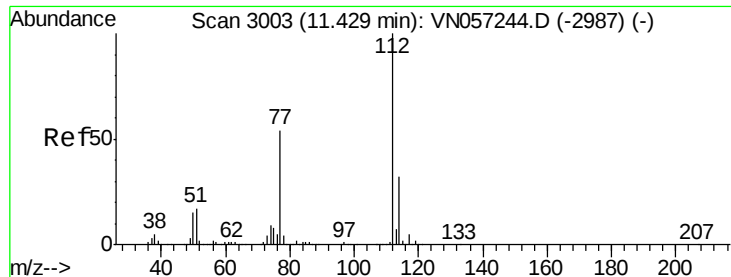
#64
Tetrachloroethene
Concen: 20.532 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion:164 Resp: 288267
Ion Ratio Lower Upper
164 100
166 128.2 104.9 157.3
129 84.9 71.9 107.9
131 86.5 69.1 103.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

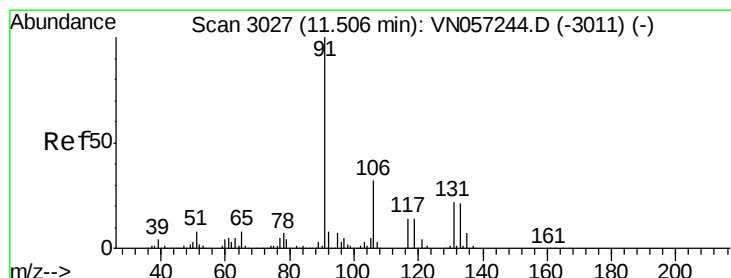
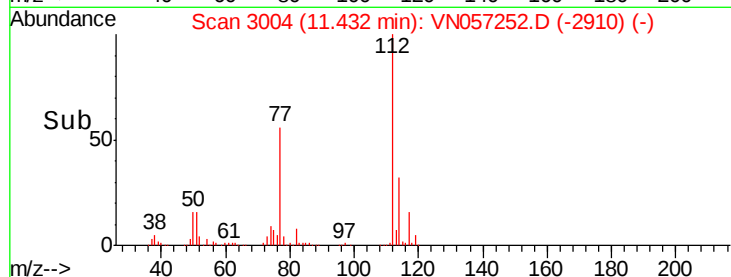
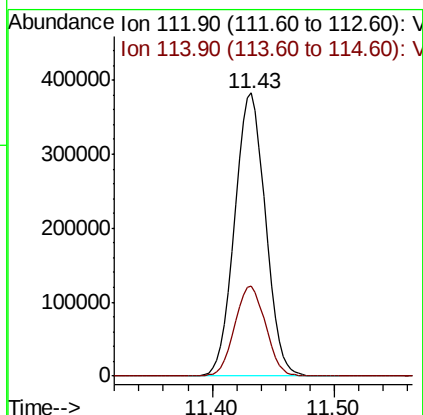
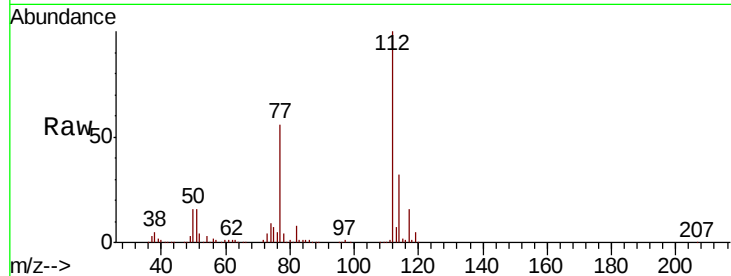




#65
Chlorobenzene
Concen: 20.563 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

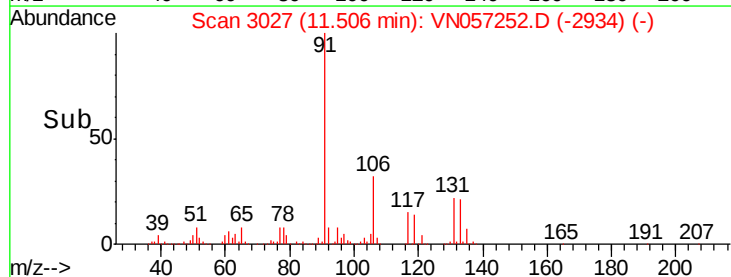
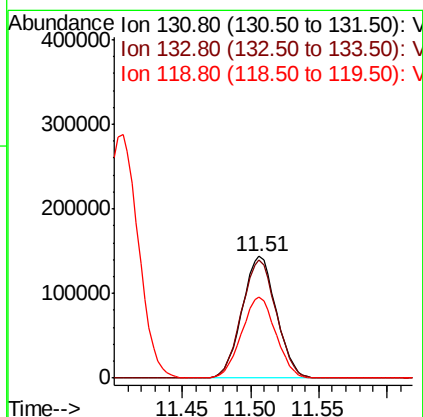
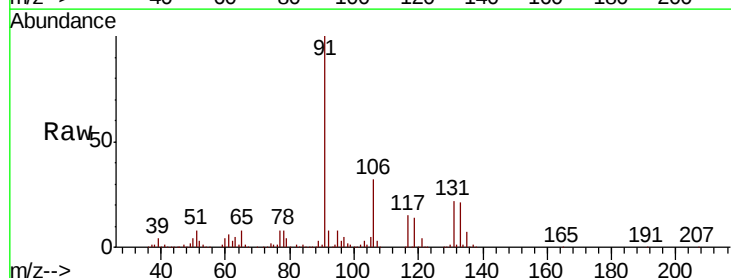
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

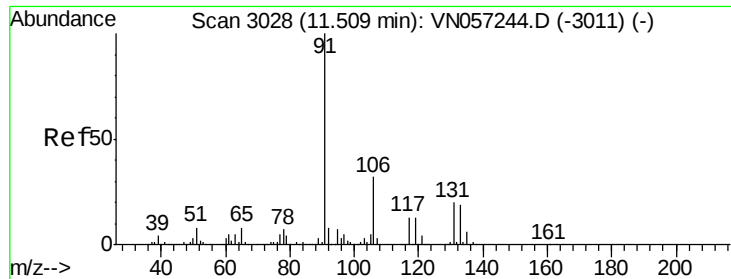
Tgt Ion:112 Resp: 668864
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.996 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion:131 Resp: 251170
Ion Ratio Lower Upper
131 100
133 97.7 46.9 140.7
119 66.5 32.3 96.8

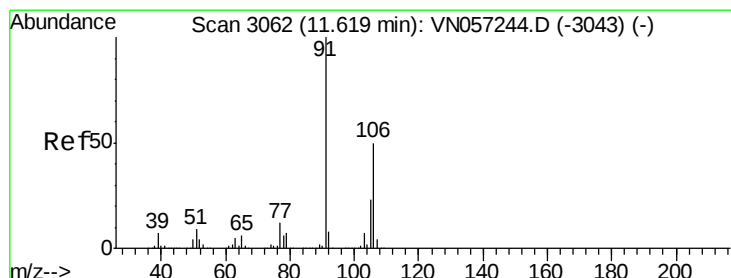
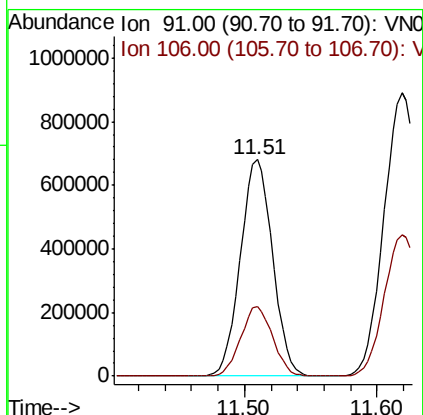
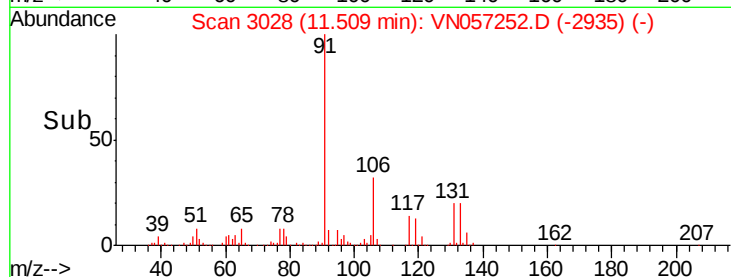
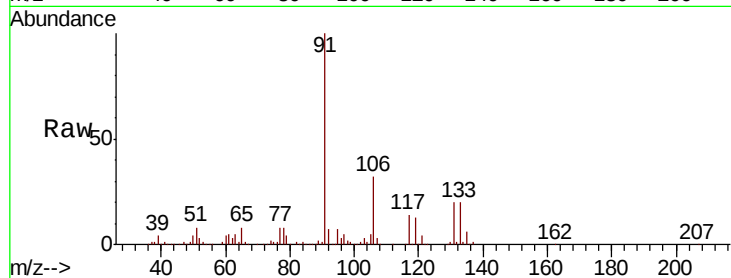




#67
Ethyl Benzene
Concen: 20.633 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

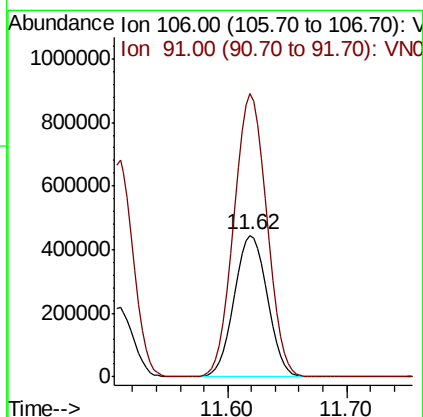
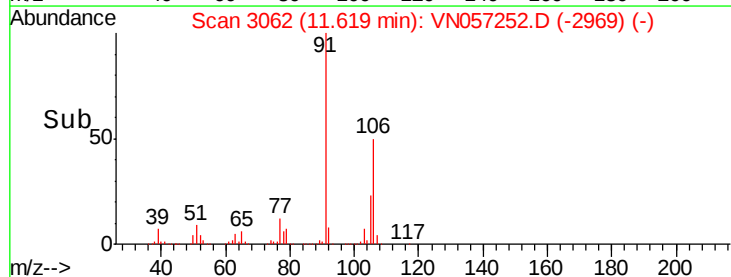
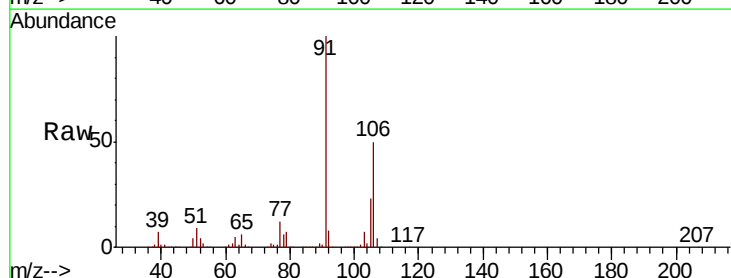
Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

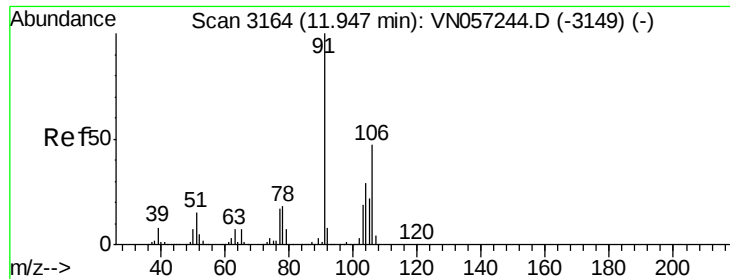
Tgt Ion: 91 Resp: 1145754
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 41.406 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion: 106 Resp: 857860
Ion Ratio Lower Upper
106 100
91 198.7 161.4 242.0

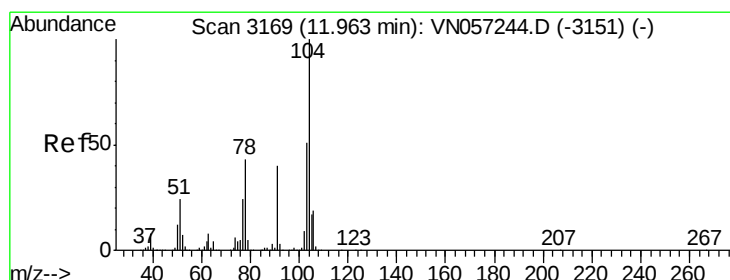
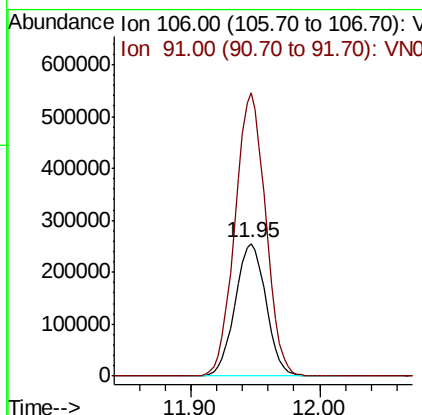
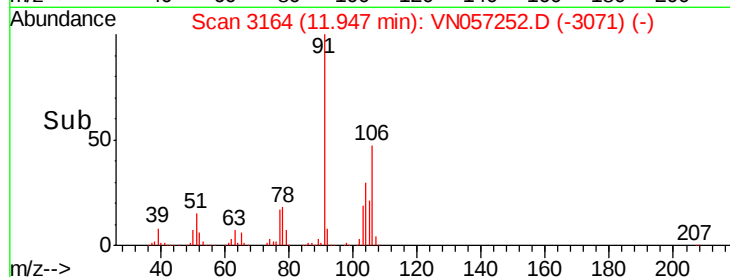
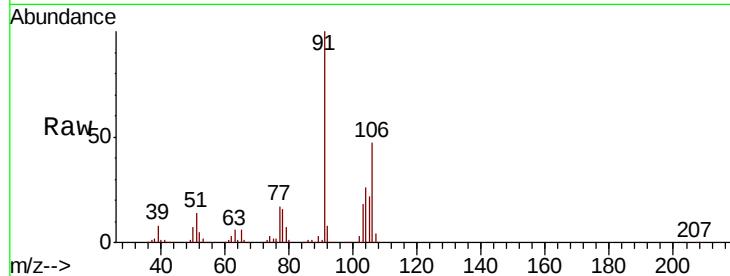




#69
o-Xylene
Concen: 20.922 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

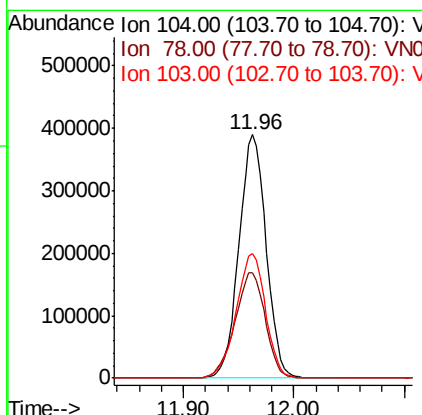
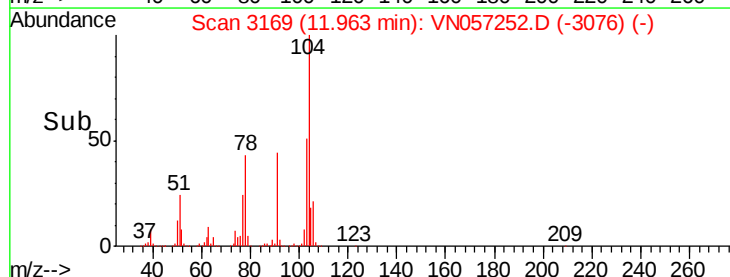
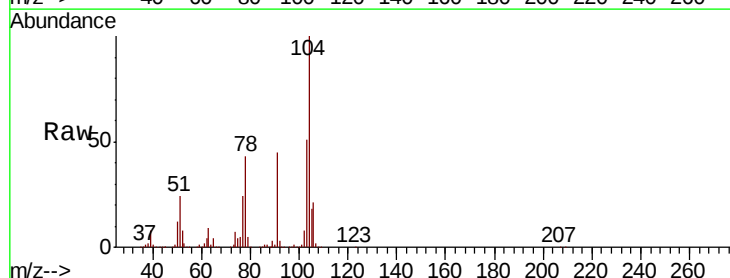
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

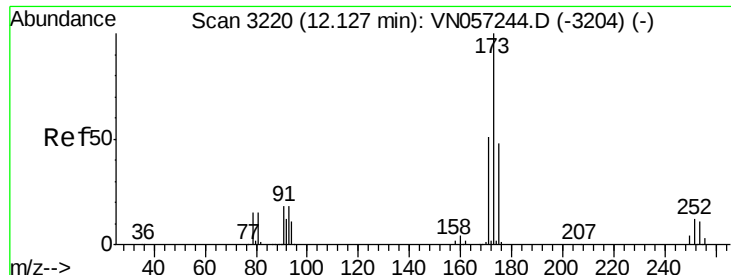
Tgt Ion:106 Resp: 424424
Ion Ratio Lower Upper
106 100
91 212.1 106.5 319.4



#70
Styrene
Concen: 21.138 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion:104 Resp: 663900
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 20.694 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

VN0813WBS01

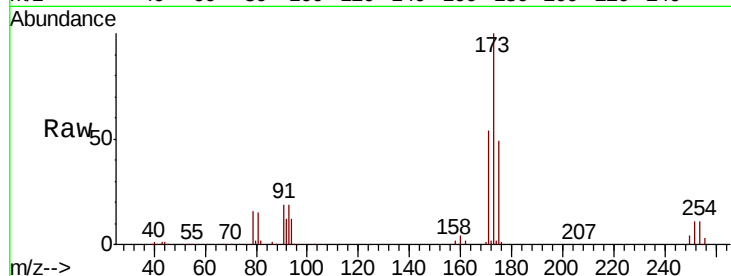
Tgt Ion:173 Resp: 199171

Ion Ratio Lower Upper

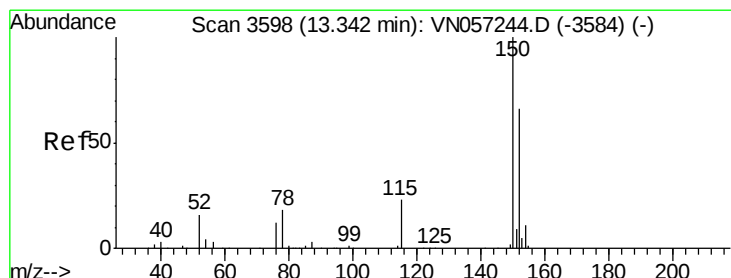
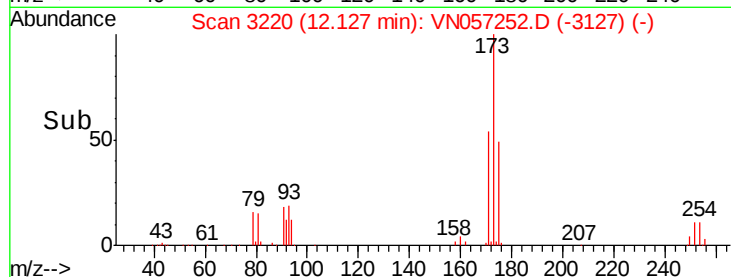
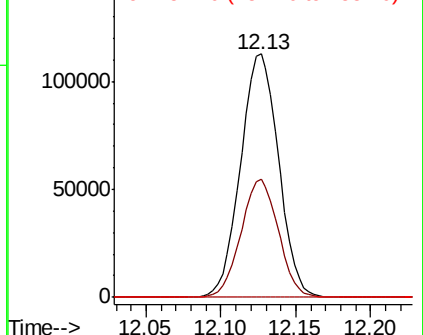
173 100

175 47.9 24.4 73.2

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

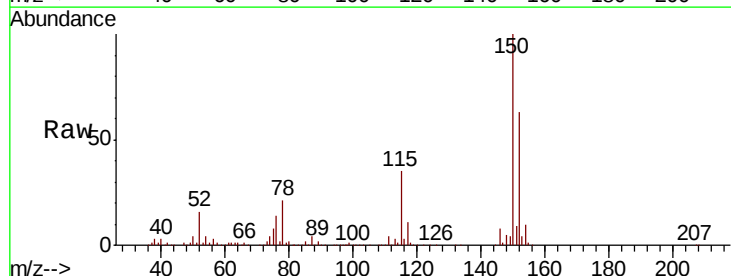
Tgt Ion:152 Resp: 582293

Ion Ratio Lower Upper

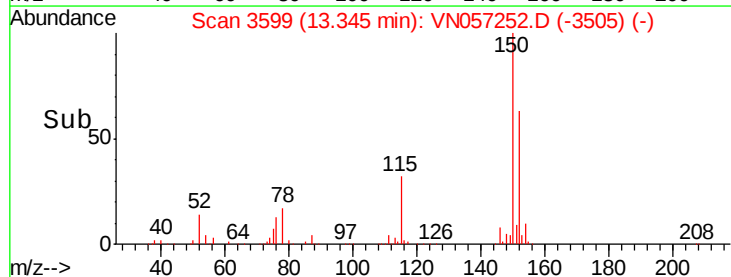
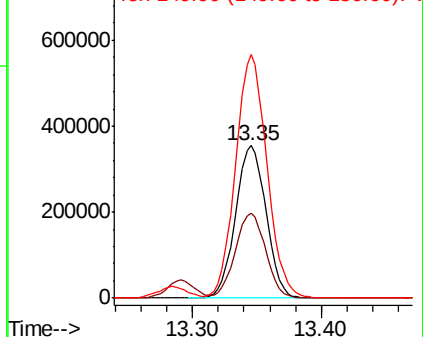
152 100

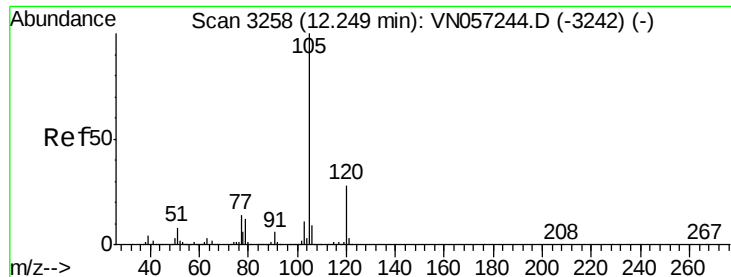
115 55.5 27.6 82.8

150 164.0 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.351 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

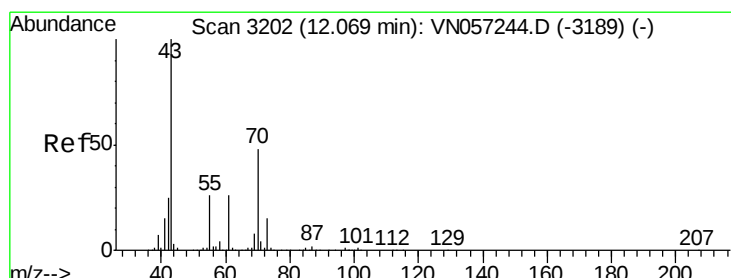
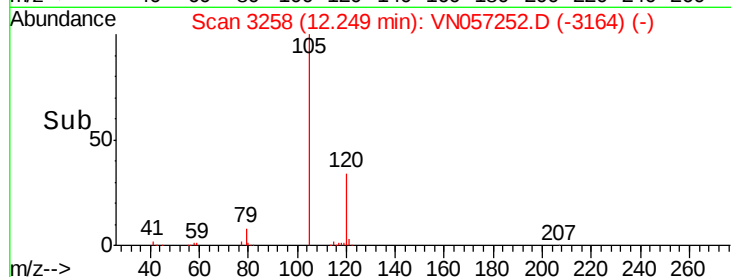
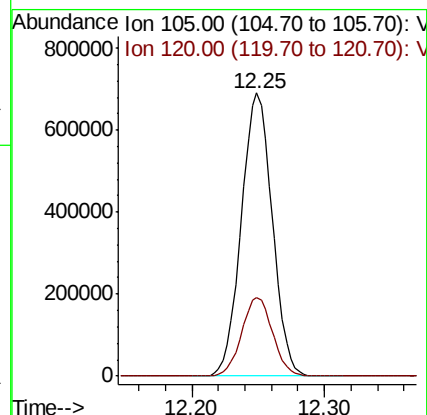
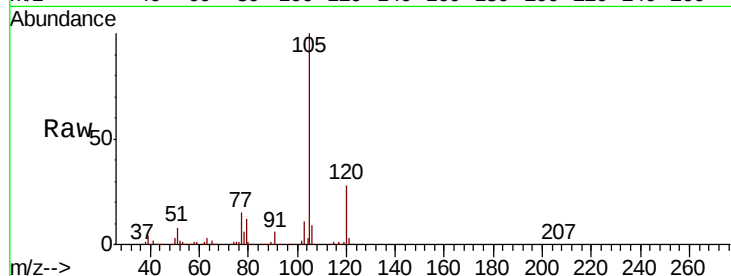
VN0813WBS01

Tgt Ion:105 Resp: 1118610

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 22.822 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Tgt Ion: 43 Resp: 320190

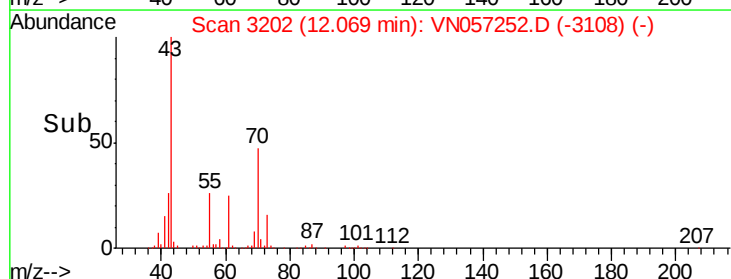
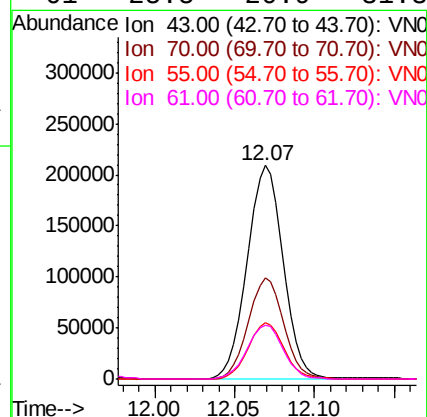
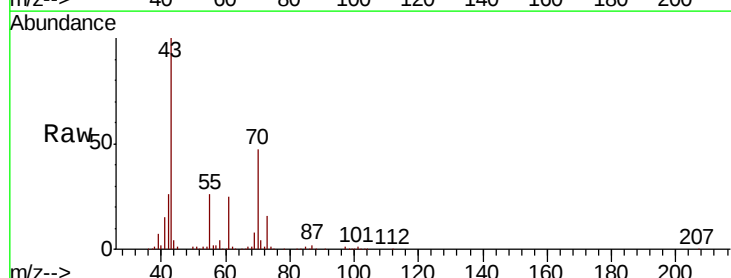
Ion Ratio Lower Upper

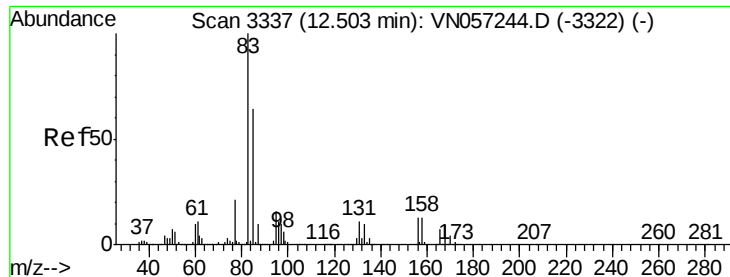
43 100

70 47.0 37.4 56.2

55 26.0 21.0 31.4

61 25.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 24.341 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

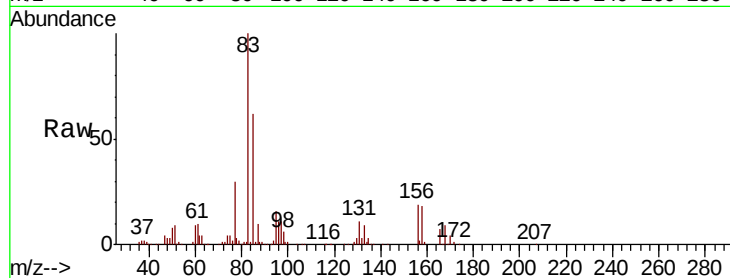
Tgt Ion: 83 Resp: 321820

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

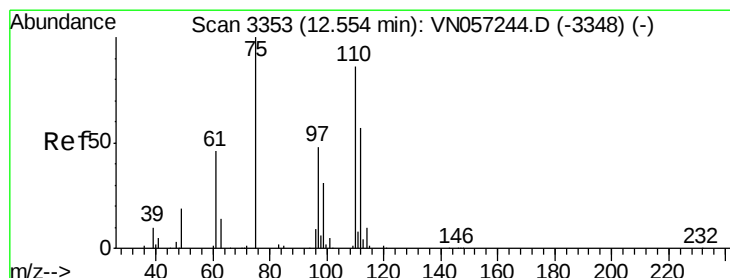
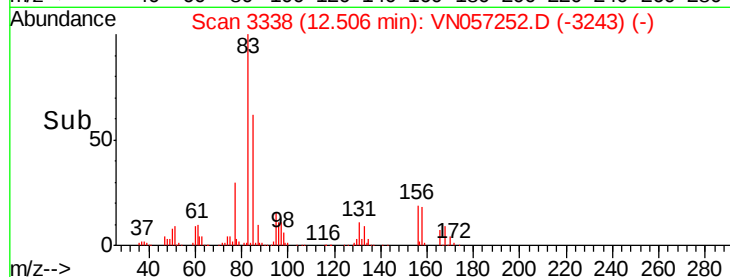
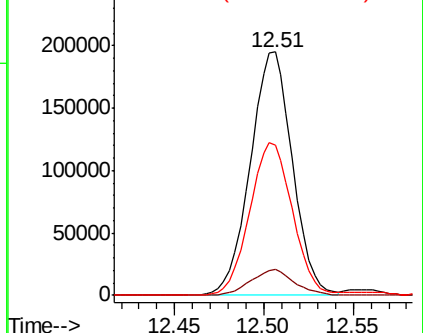
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.889 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057252.D

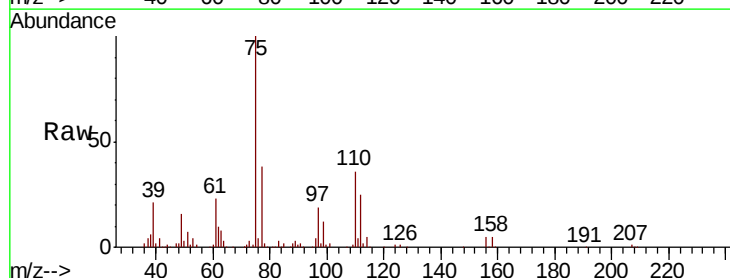
Acq: 13 Aug 2019 17:47

Tgt Ion: 75 Resp: 385382

Ion Ratio Lower Upper

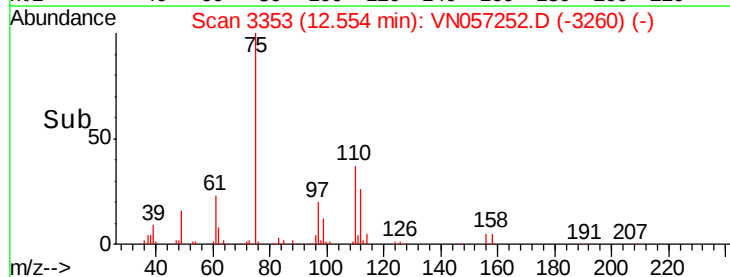
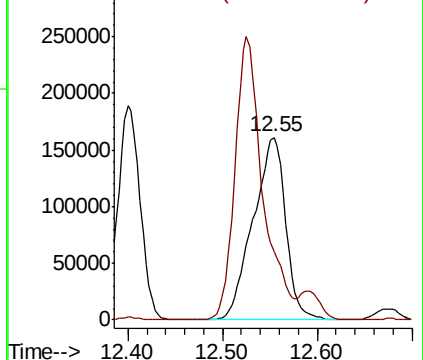
75 100

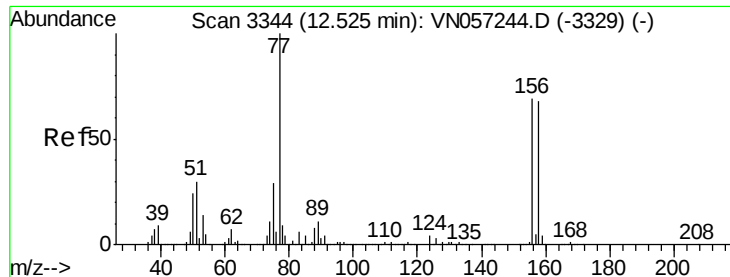
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 23.198 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

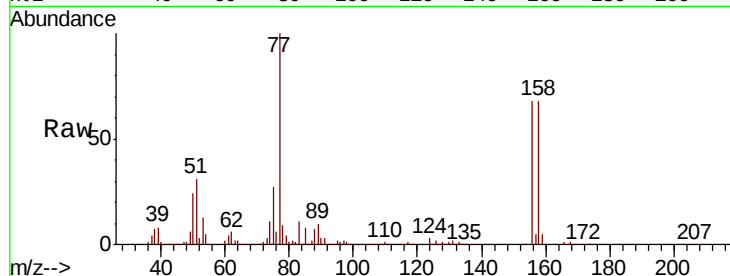
Tgt Ion:156 Resp: 296191

Ion Ratio Lower Upper

156 100

77 172.7 88.0 264.1

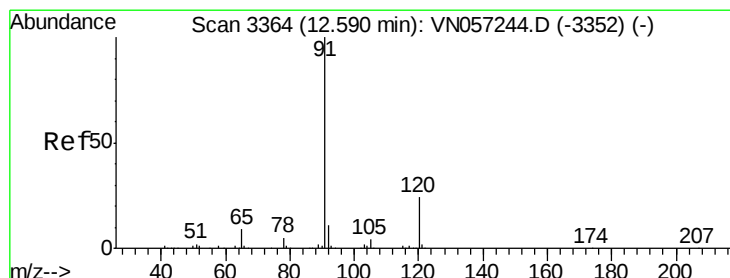
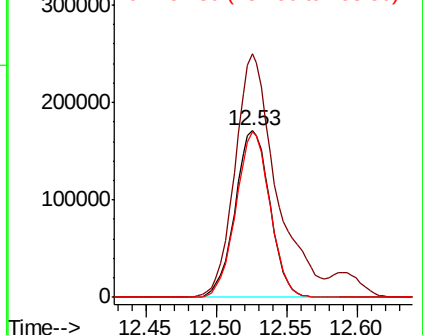
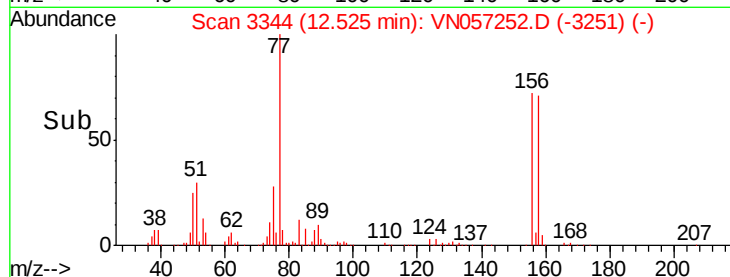
158 97.1 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.093 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057252.D

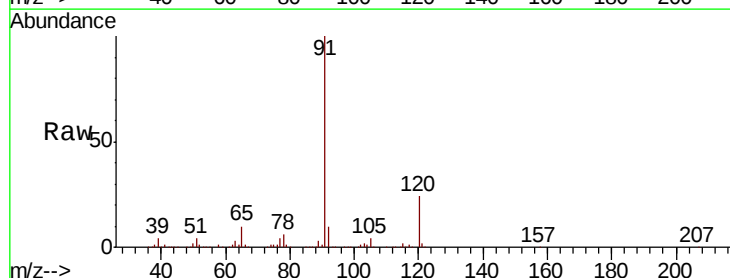
Acq: 13 Aug 2019 17:47

Tgt Ion: 91 Resp: 1111355

Ion Ratio Lower Upper

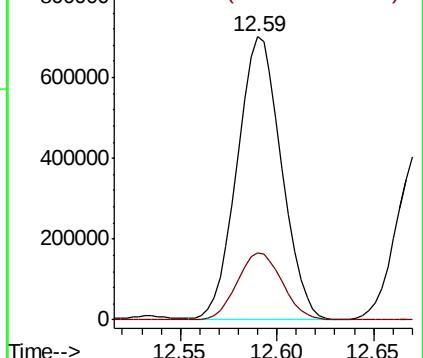
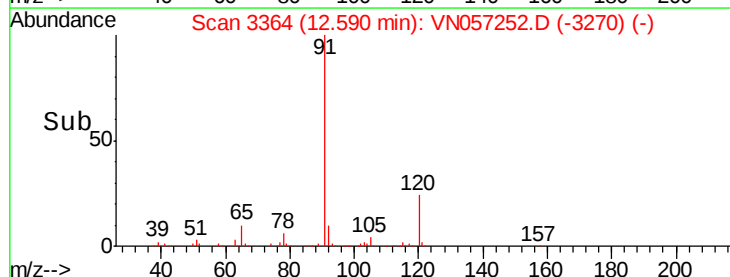
91 100

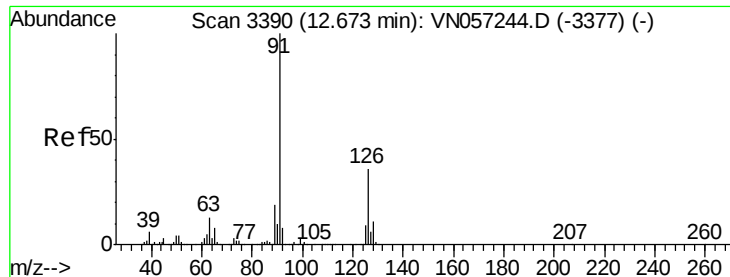
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

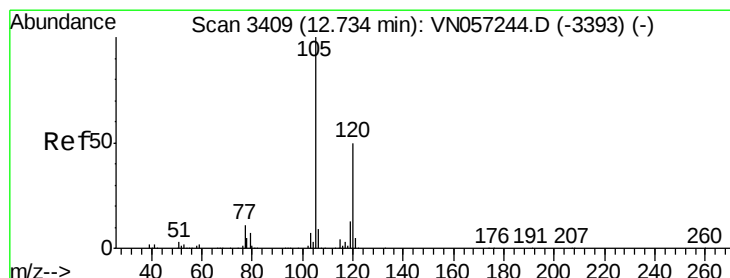
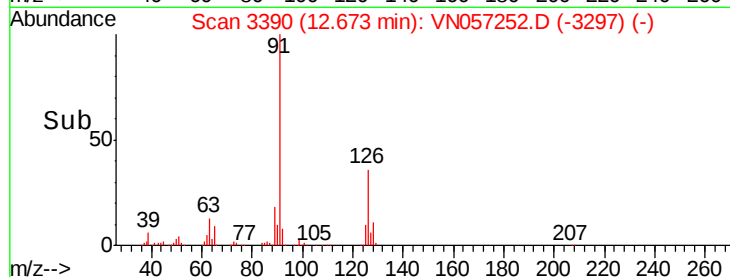
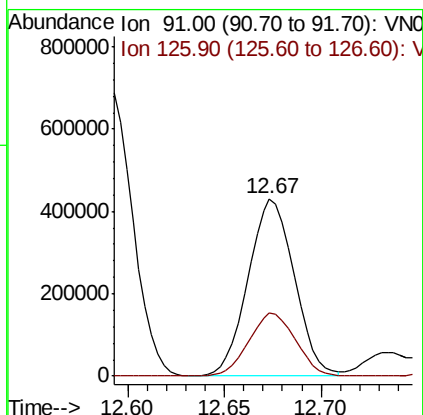
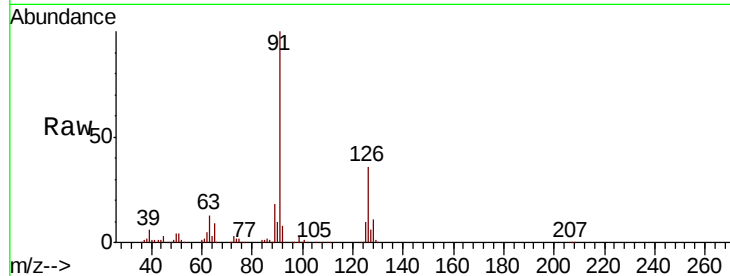




#79
 2-Chlorotoluene
 Concen: 22.940 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

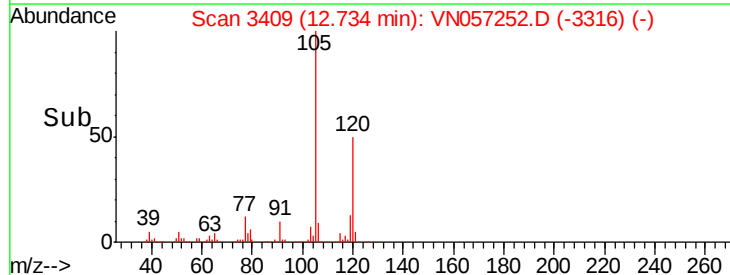
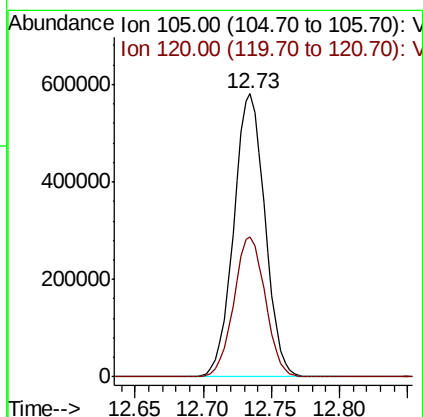
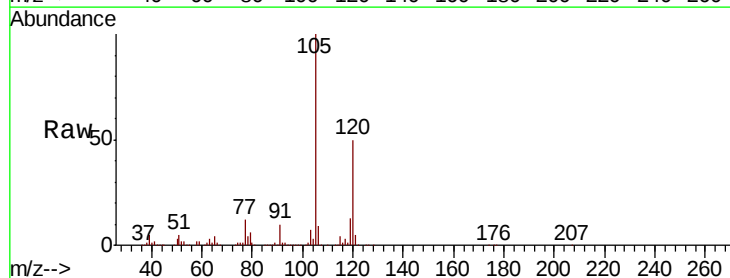
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

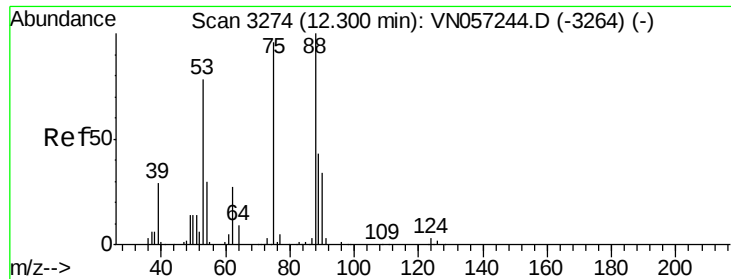
Tgt Ion: 91 Resp: 713036
 Ion Ratio Lower Upper
 91 100
 126 36.2 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.992 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 105 Resp: 920588
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.946 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

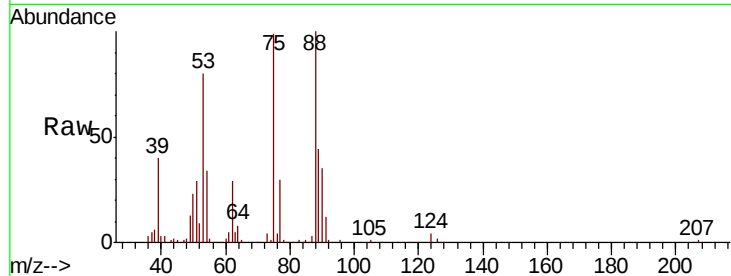
Tgt Ion: 75 Resp: 90806

Ion Ratio Lower Upper

75 100

53 85.3 65.8 98.6

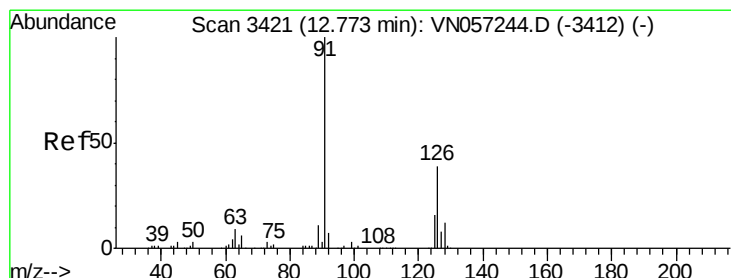
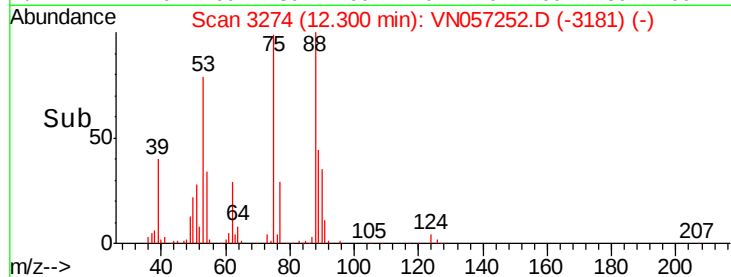
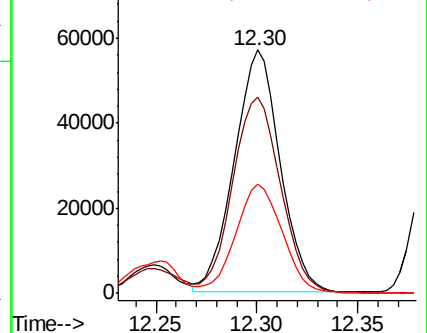
89 45.8 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.537 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057252.D

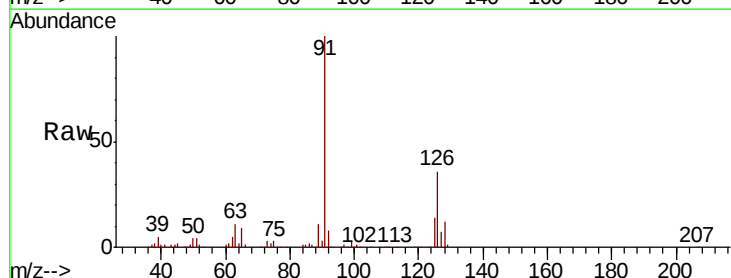
Acq: 13 Aug 2019 17:47

Tgt Ion: 91 Resp: 652192

Ion Ratio Lower Upper

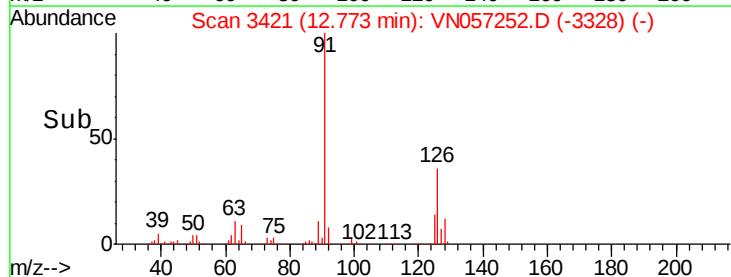
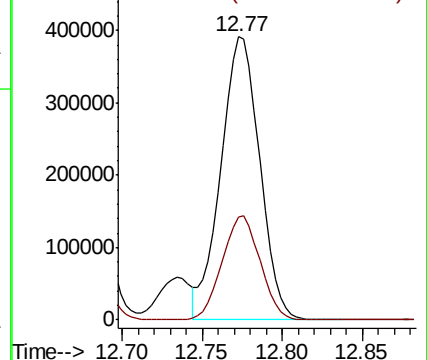
91 100

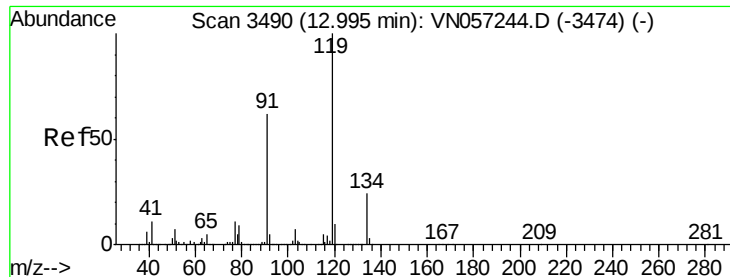
126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

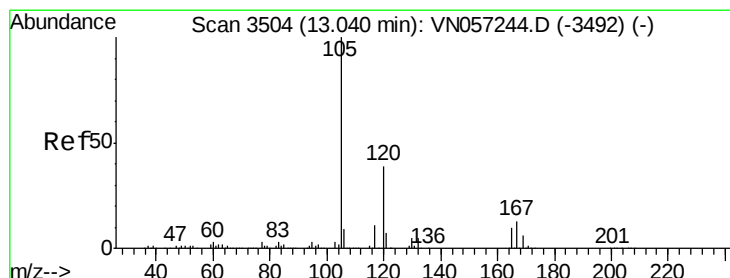
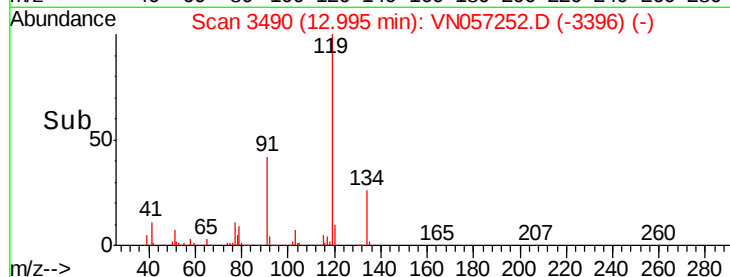
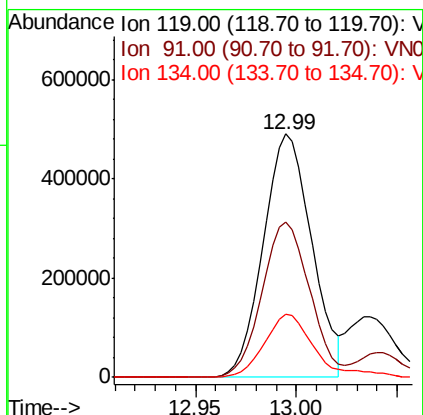
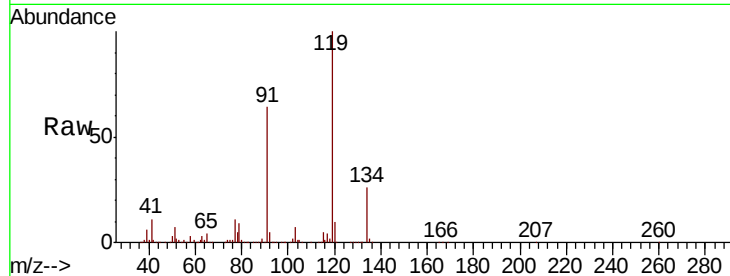




#83
 tert-Butylbenzene
 Concen: 22.817 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

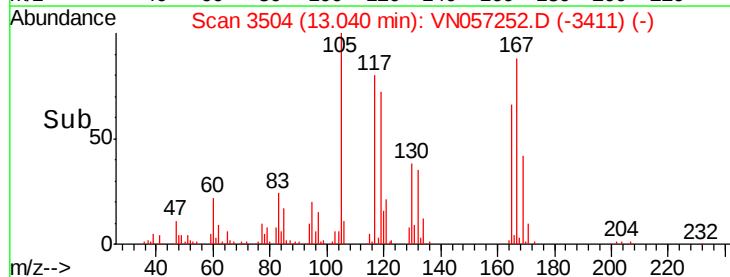
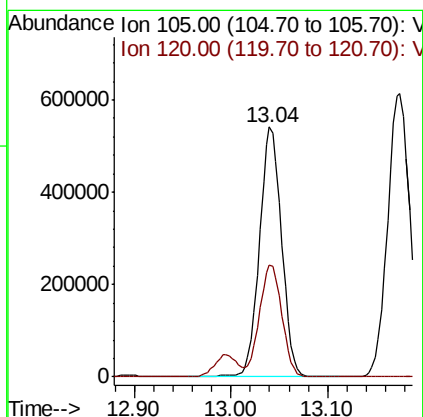
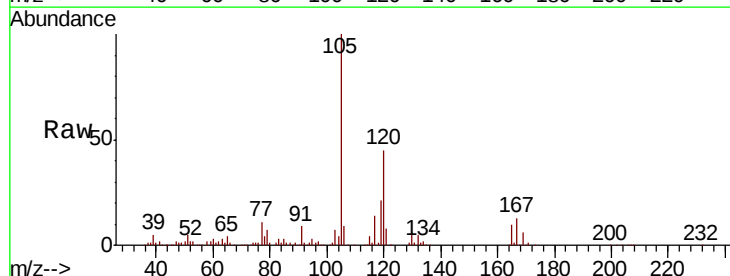
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

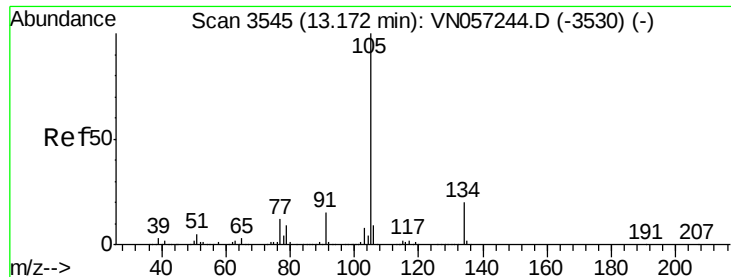
Tgt Ion:119 Resp: 821496
 Ion Ratio Lower Upper
 119 100
 91 62.8 30.8 92.3
 134 26.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.937 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion:105 Resp: 858501
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.5

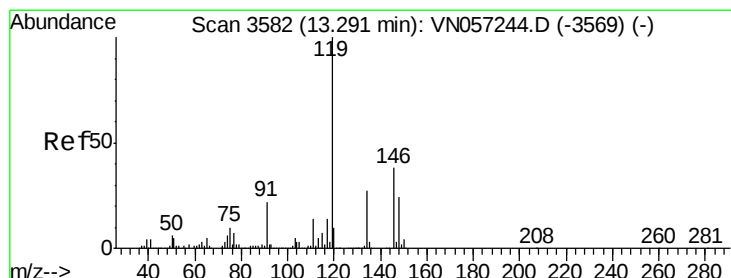
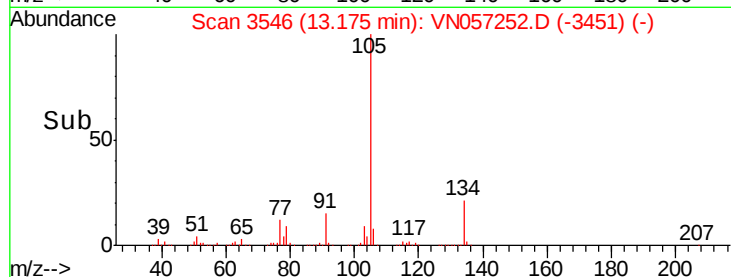
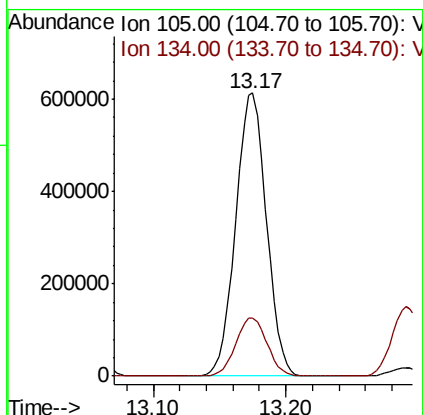
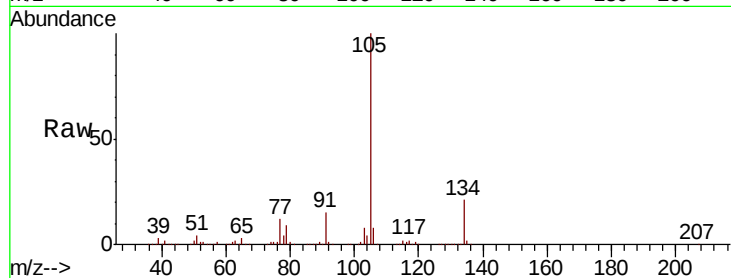




#85
 sec-Butylbenzene
 Concen: 22.206 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

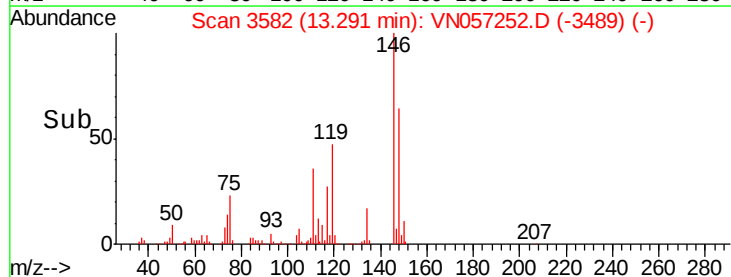
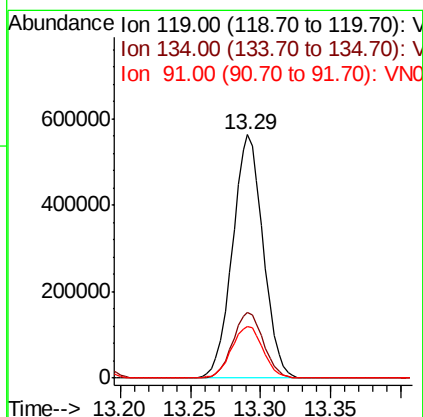
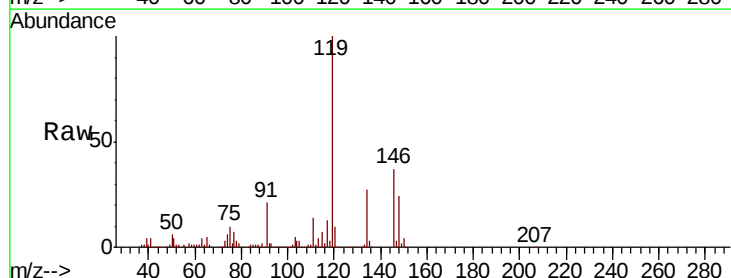
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

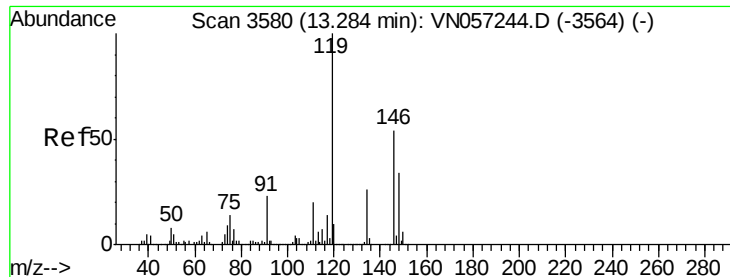
Tgt Ion:105 Resp: 987433
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 19.936 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion:119 Resp: 853628
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 22.0 11.1 33.3

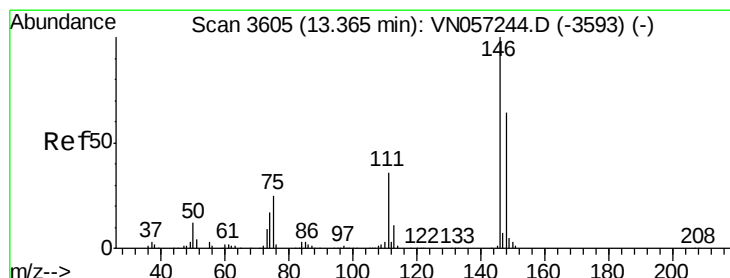
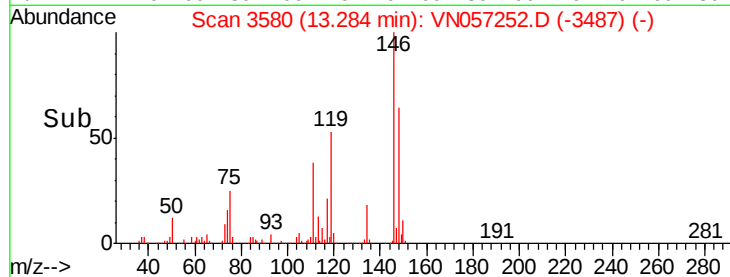
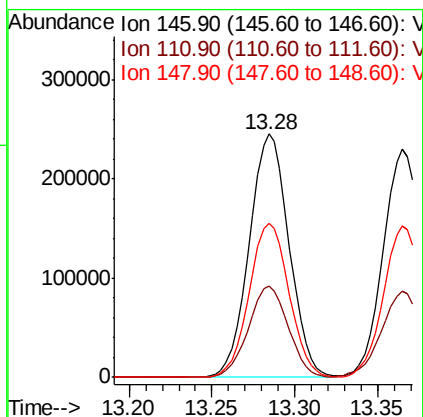
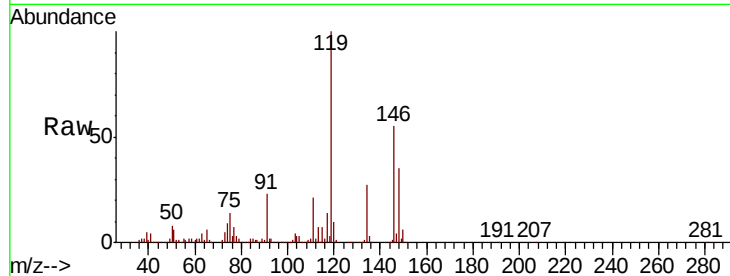




#87
 1,3-Dichlorobenzene
 Concen: 20.269 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

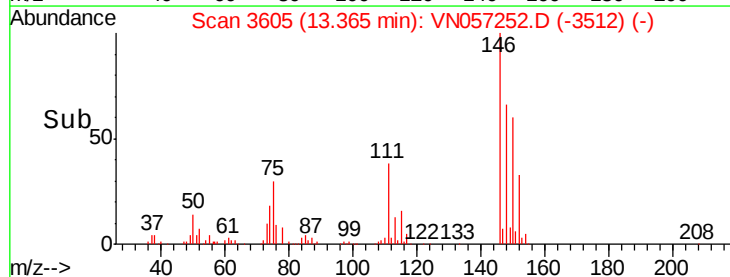
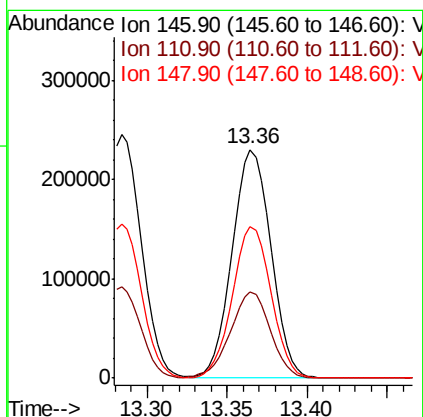
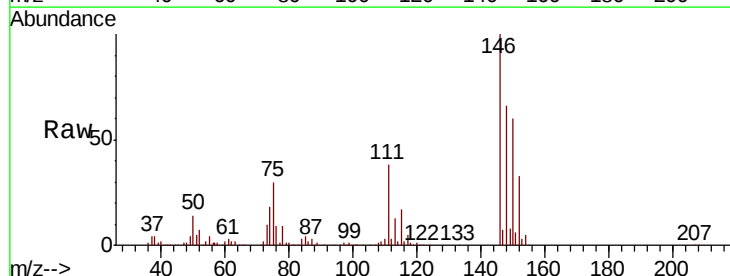
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

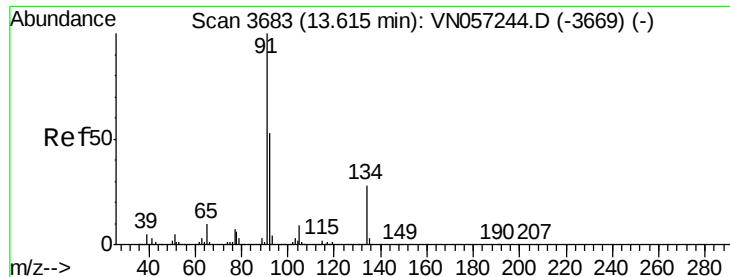
Tgt Ion:146 Resp: 408866
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.8 56.4
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion:146 Resp: 380529
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.3 54.8
 148 65.7 32.0 96.0





#89

n-Butylbenzene

Concen: 20.476 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057252.D

Acq: 13 Aug 2019 17:47

Instrument :

MSVOA_N

ClientSampled :

VN0813WBS01

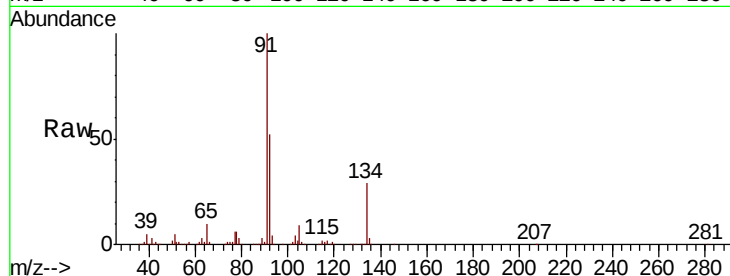
Tgt Ion: 91 Resp: 614975

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

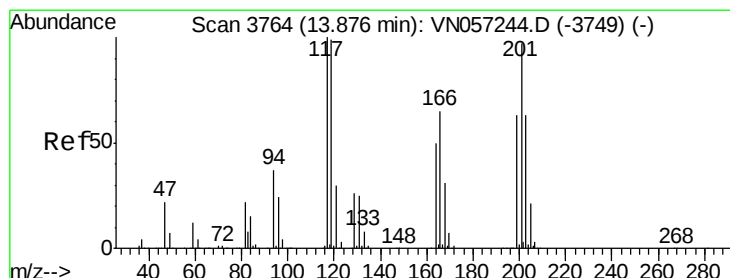
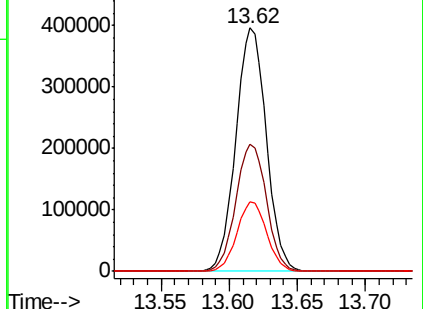
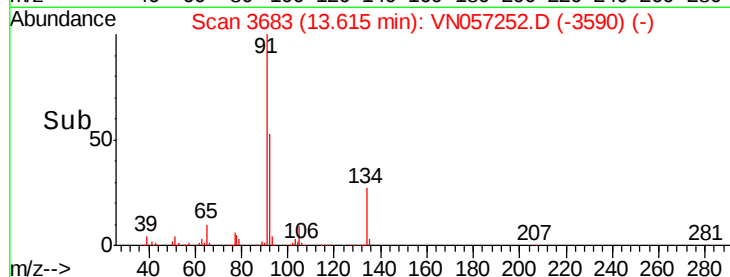
134 27.9 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057244.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057244.D (-3669) (-)



#90

Hexachloroethane

Concen: 22.445 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057252.D

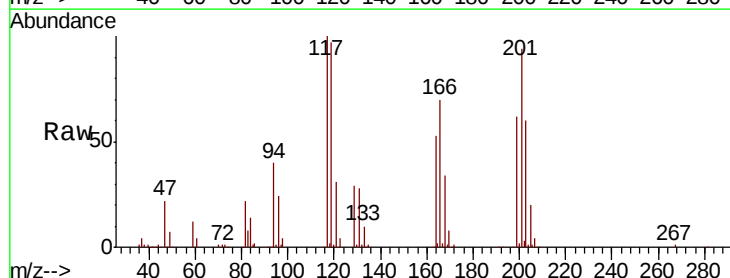
Acq: 13 Aug 2019 17:47

Tgt Ion: 117 Resp: 166977

Ion Ratio Lower Upper

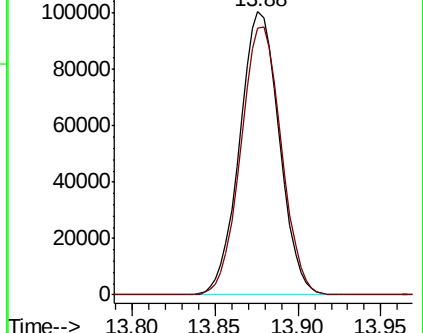
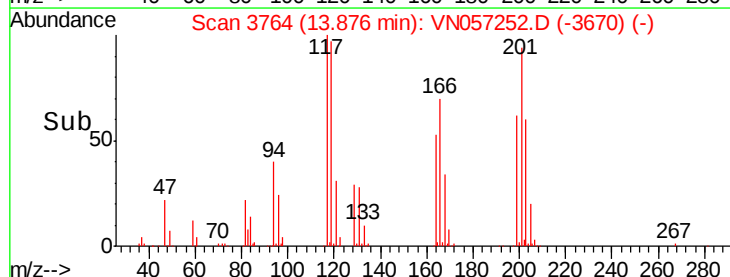
117 100

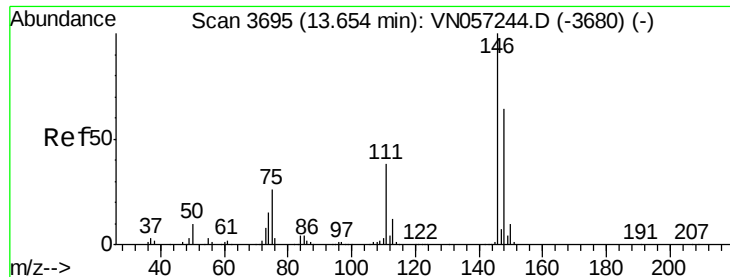
201 96.7 49.5 148.5



Abundance Ion 116.80 (116.50 to 117.50): VN057244.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057244.D (-3749) (-)

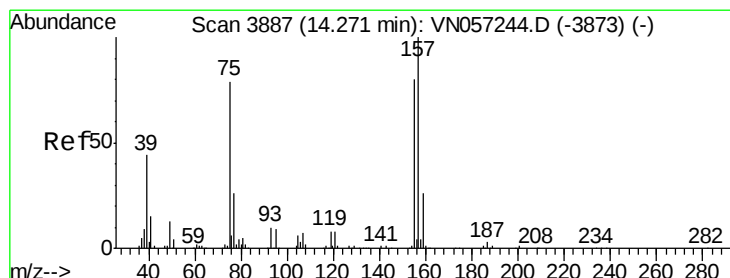
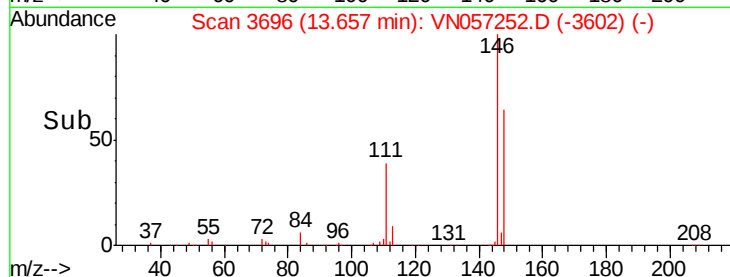
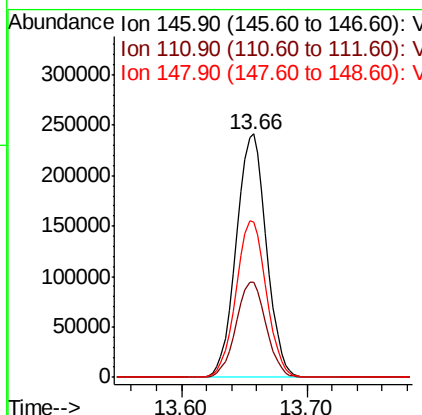
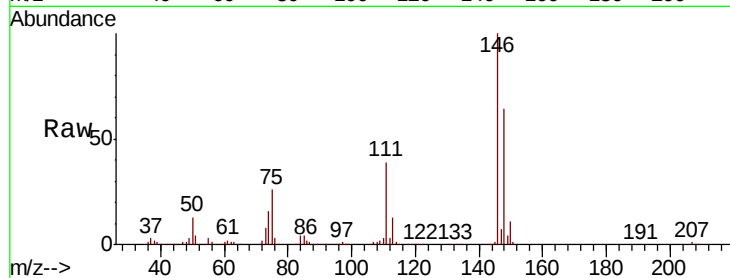




#91
 1,2-Dichlorobenzene
 Concen: 20.483 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

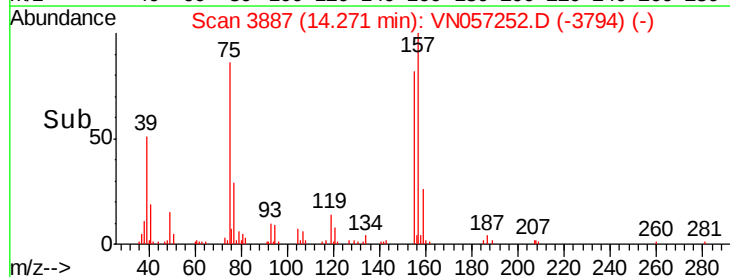
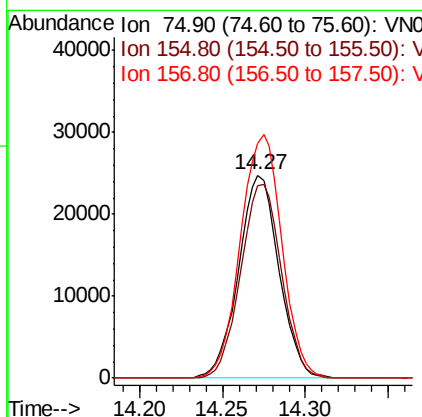
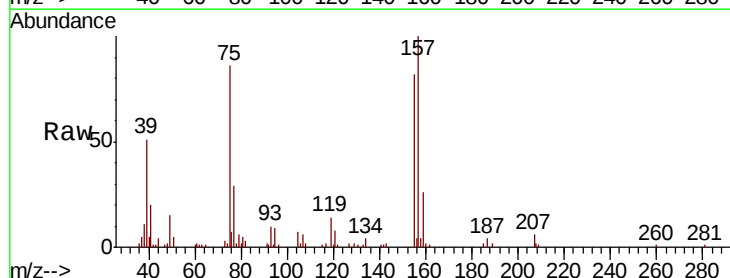
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

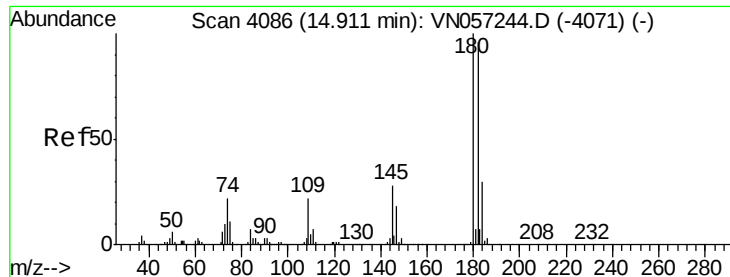
Tgt Ion:146 Resp: 402856
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.3 57.9
 148 64.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.568 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion: 75 Resp: 41951
 Ion Ratio Lower Upper
 75 100
 155 95.9 50.3 151.0
 157 123.2 65.3 195.9

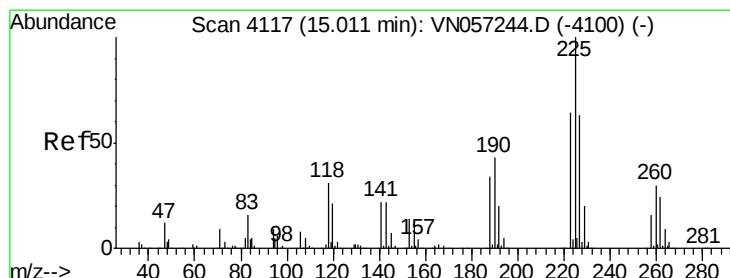
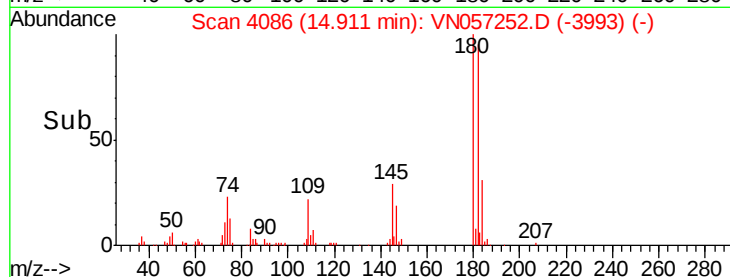
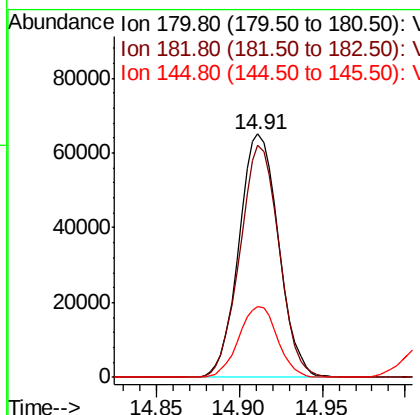
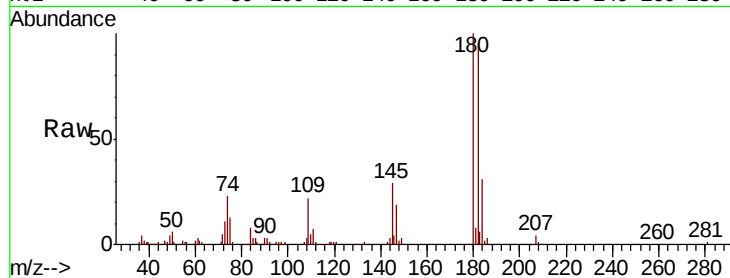




#93
 1,2,4-Trichlorobenzene
 Concen: 16.446 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

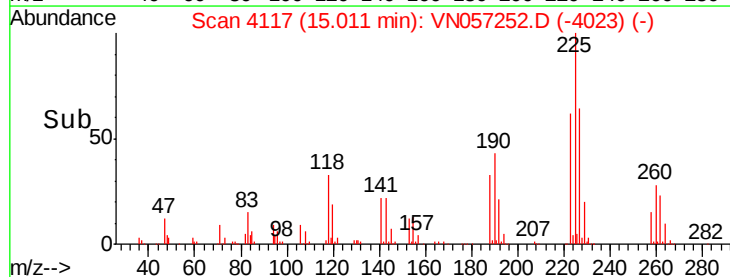
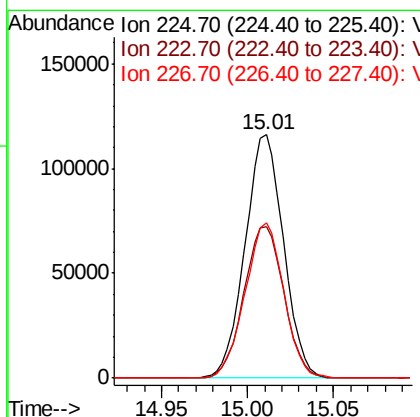
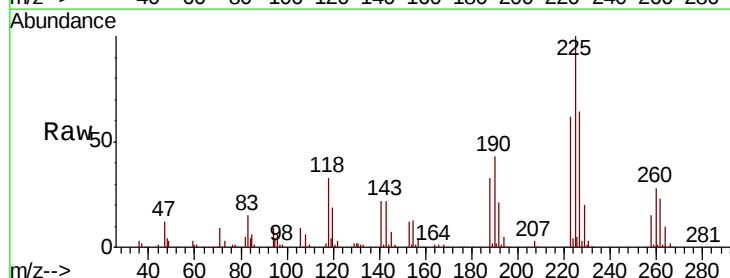
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

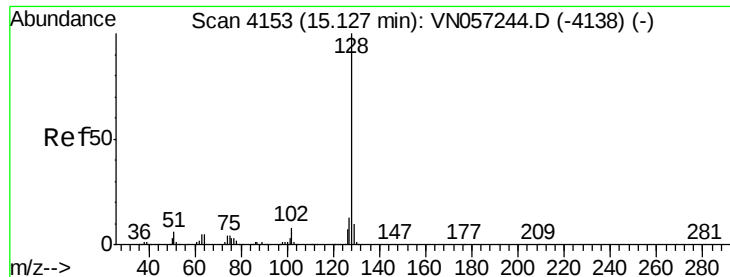
Tgt Ion:180 Resp: 108200
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.7 143.1
 145 28.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.805 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057252.D
 Acq: 13 Aug 2019 17:47

Tgt Ion:225 Resp: 180522
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.4 94.2
 227 63.9 31.4 94.3

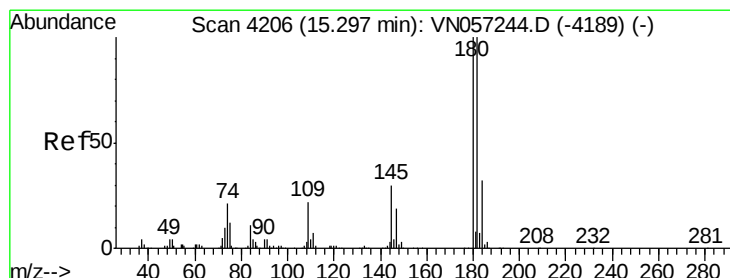
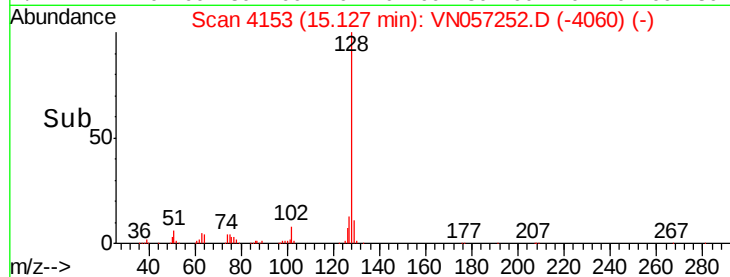
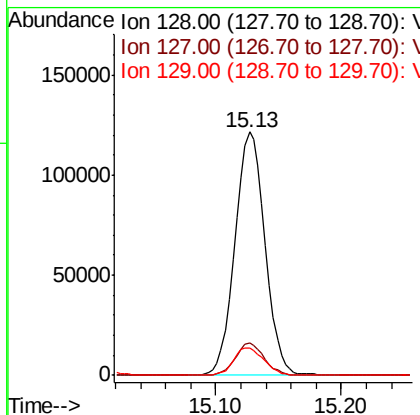
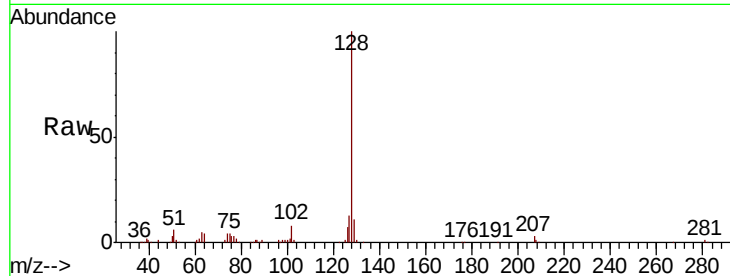




#95
Naphthalene
Concen: 19.903 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.5	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.834 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057252.D
Acq: 13 Aug 2019 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.9	146.7
145	29.3	15.0	45.1

