

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
 Data File : VN057356.D
 Acq On : 16 Aug 2019 15:28
 Operator : JC/SP
 Sample : VN0817WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

Quant Time: Aug 17 03:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	136938	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	771409	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	663122	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	267974	30.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.47%
60) 4-Bromofluorobenzene	12.40	95	276730	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	912974	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	151051	21.354 ug/l	98
3) Chloromethane	2.05	50	169804	20.816 ug/l	100
4) Vinyl Chloride	2.18	62	167145	21.417 ug/l	99
5) Bromomethane	2.55	94	128401	21.144 ug/l	97
6) Chloroethane	2.70	64	114726	21.460 ug/l	98
7) Trichlorofluoromethane	3.02	101	265465	21.224 ug/l	97
8) Diethyl Ether	3.41	74	94415	20.511 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82475	11.074 ug/l #	19
10) 1,1-Dichloroethene	3.73	96	158207	21.418 ug/l	88
11) Methyl Iodide	3.95	142	251536	20.194 ug/l	99
12) Methyl Acetate	4.31	43	175828	21.173 ug/l	99
13) Acrolein	3.60	56	81889	104.278 ug/l	97
14) Acrylonitrile	4.97	53	366453	108.932 ug/l	99
15) Acetone	3.81	58	97053	97.904 ug/l	99
16) Carbon Disulfide	4.05	76	418724	20.738 ug/l	99
17) Allyl chloride	4.32	41	237329	21.998 ug/l	99
18) Methylene Chloride	4.54	84	179680	21.253 ug/l	92
19) trans-1,2-Dichloroethene	5.03	96	166735	20.845 ug/l	92
20) Diisopropyl ether	5.94	45	476839	21.225 ug/l	96
21) 1,1-Dichloroethane	5.84	63	295129	21.261 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	194578	20.993 ug/l	97
23) tert-Butyl Alcohol	4.76	59	127179	106.084 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	481953	21.262 ug/l #	81
25) Chloroform	7.36	83	306045	21.094 ug/l	99
26) Cyclohexane	7.65	56	241308	20.913 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	224923	20.044 ug/l	98
30) 2-Butanone	6.82	43	448374	101.276 ug/l	96
31) 2,2-Dichloropropane	6.81	77	237822	19.347 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	265766	20.034 ug/l	97
33) Carbon Tetrachloride	7.77	117	239903	20.310 ug/l	98
34) Benzene	8.03	78	700065	20.565 ug/l	99
35) Methacrylonitrile	7.20	41	261751	44.011 ug/l #	50
36) 1,2-Dichloroethane	8.12	62	223594	20.210 ug/l	99
37) Trichloroethene	8.83	130	197604	19.942 ug/l	94
38) Methylcyclohexane	9.08	83	263126	19.800 ug/l	96
39) 1,2-Dichloropropane	9.11	63	179600	20.642 ug/l	100
40) Dibromomethane	9.20	93	120923	20.891 ug/l	95

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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

Quant Time: Aug 17 03:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	235171	20.051	ug/l	97
42) Vinyl Acetate	5.88	43	1909647	102.511	ug/l	97
43) Ethyl Acetate	6.92	43	185696	20.443	ug/l	98
44) Isopropyl Acetate	8.16	43	305918	19.142	ug/l	90
45) 1,4-Dioxane	9.19	88	63474	421.261	ug/l	98
46) Methyl methacrylate	9.19	41	143084	19.963	ug/l	89
47) n-amyl Acetate	12.07	43	221111	18.721	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	249460	19.660	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	283549	20.071	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	171546	20.308	ug/l	97
51) Ethyl methacrylate	10.43	69	245960	20.086	ug/l	91
52) 1,3-Dichloropropane	10.71	76	281874	20.432	ug/l	99
53) Dibromochloromethane	10.90	129	193529	19.913	ug/l	100
54) 1,2-Dibromoethane	11.00	107	184189	20.703	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	260436	91.364	ug/l	97
56) Bromoform	12.13	173	142864	19.467	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	923199	106.872	ug/l	95
59) 2-Hexanone	10.75	43	644153	103.966	ug/l	96
61) Tetrachloroethene	10.63	164	204135	21.003	ug/l	99
62) Toluene	10.15	91	760521	20.793	ug/l	100
64) Chlorobenzene	11.43	112	471071	20.502	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	187178	20.958	ug/l	98
66) Ethyl Benzene	11.51	91	803647	20.111	ug/l	98
67) m/p-Xylenes	11.62	106	601291	40.204	ug/l	97
68) o-Xylene	11.95	106	297923	20.376	ug/l	96
69) Styrene	11.96	104	451954	19.241	ug/l	100
70) Isopropylbenzene	12.25	105	796411	20.318	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	226313	21.077	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	271638	29.978	ug/l	68
73) Bromobenzene	12.53	156	199693	19.225	ug/l	94
74) n-propylbenzene	12.59	91	762340	18.724	ug/l	98
75) 2-Chlorotoluene	12.68	91	497566	19.693	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	637036	19.540	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	66808	19.214	ug/l	89
78) 4-Chlorotoluene	12.77	91	431944	18.272	ug/l	97
79) tert-butylbenzene	12.99	119	578145	19.901	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	584171	18.997	ug/l	100
81) sec-Butylbenzene	13.17	105	675798	18.871	ug/l	99
82) p-Isopropyltoluene	13.29	119	573755	17.884	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	270890	17.804	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	246583	17.362	ug/l	99
85) n-Butylbenzene	13.62	91	423794	17.765	ug/l	99
86) Hexachloroethane	13.88	117	120483	19.512	ug/l	92
87) 1,2-Dichlorobenzene	13.66	146	268721	18.695	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26237	18.230	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	64817	12.744	ug/l	98
90) Hexachlorobutadiene	15.01	225	125930	19.403	ug/l	98
91) Naphthalene	15.13	128	123323	11.219	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	64173	13.308	ug/l	99

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

Quant Time: Aug 17 03:26:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration

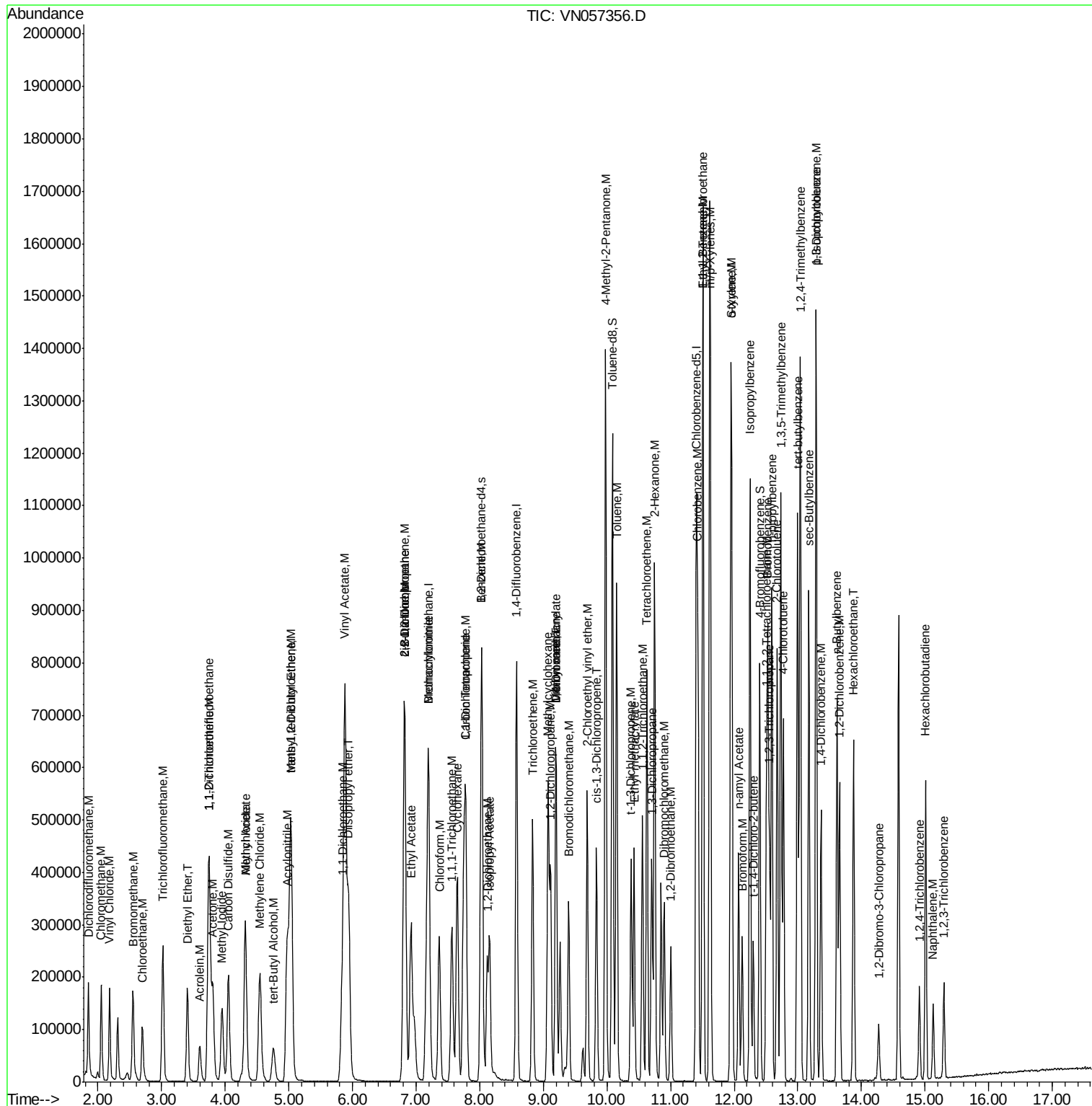
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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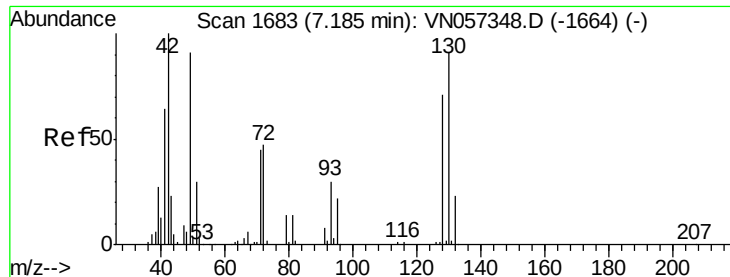
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
Data File : VN057356.D
Acq On : 16 Aug 2019 15:28
Operator : JC/SP
Sample : VN0817WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

Quant Time: Aug 17 03:26:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

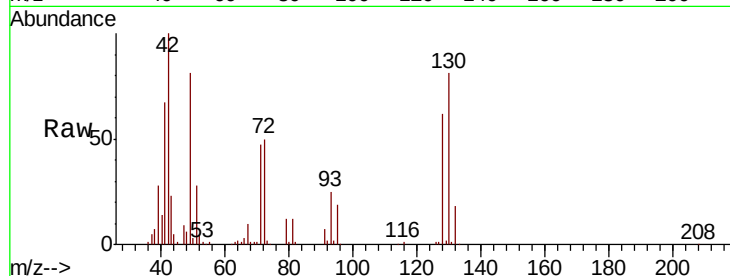
Tgt Ion:128 Resp: 136938

Ion Ratio Lower Upper

128 100

49 135.5 0.0 390.5

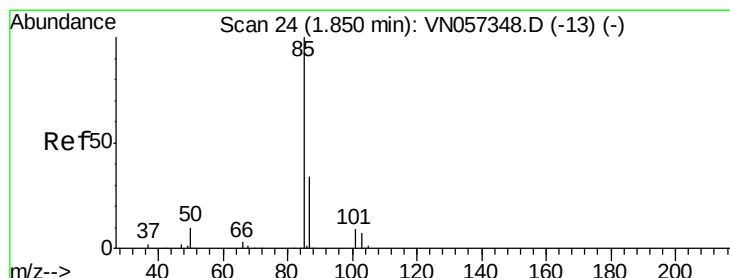
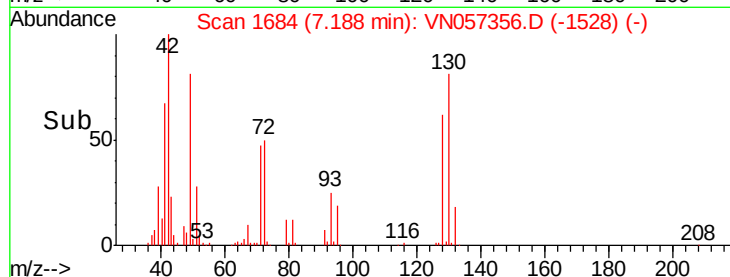
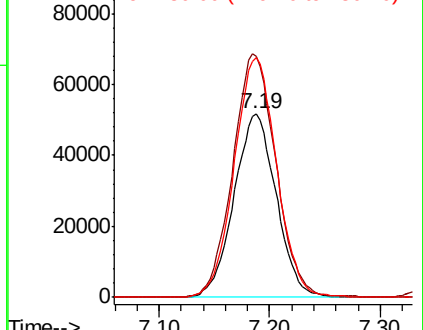
130 131.5 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.354 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN057356.D

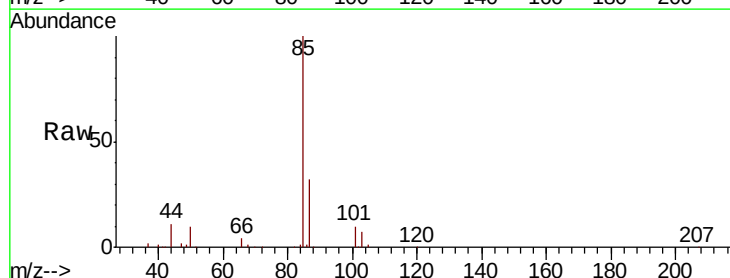
Acq: 16 Aug 2019 15:28

Tgt Ion: 85 Resp: 151051

Ion Ratio Lower Upper

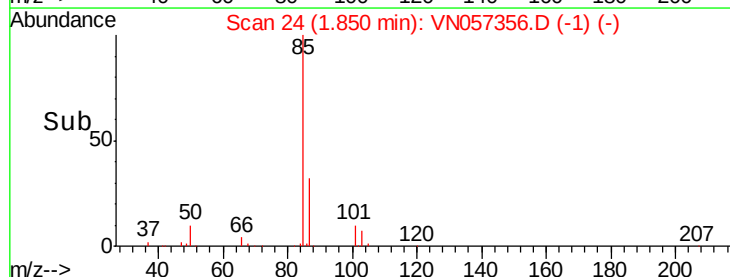
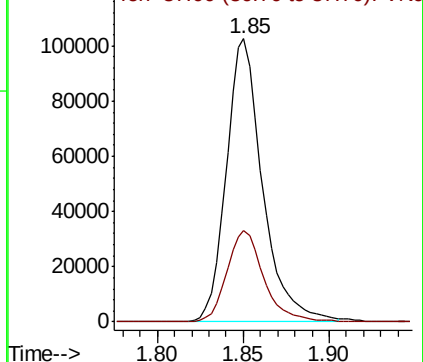
85 100

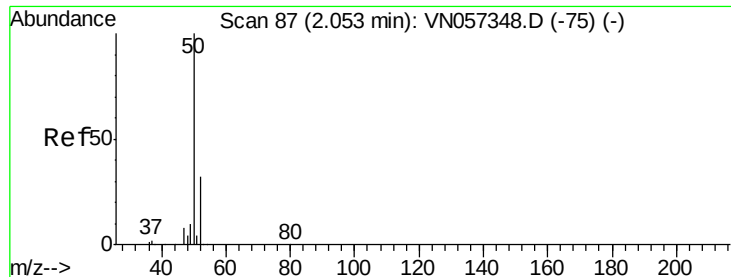
87 32.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.816 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.01 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

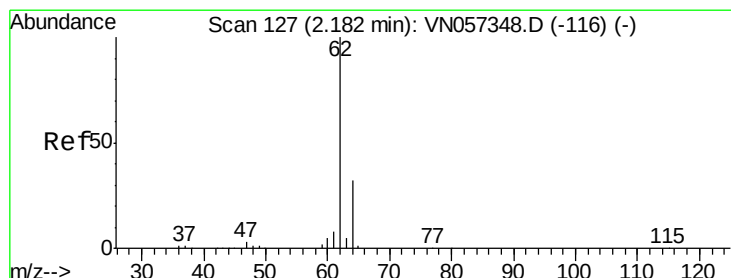
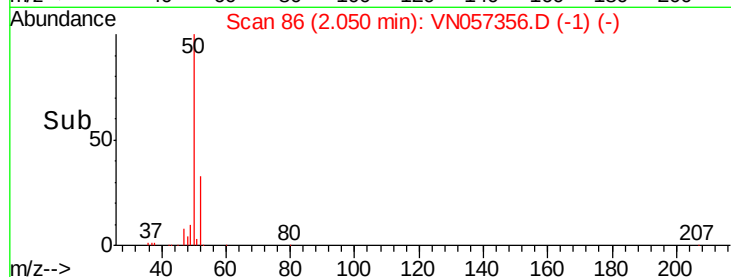
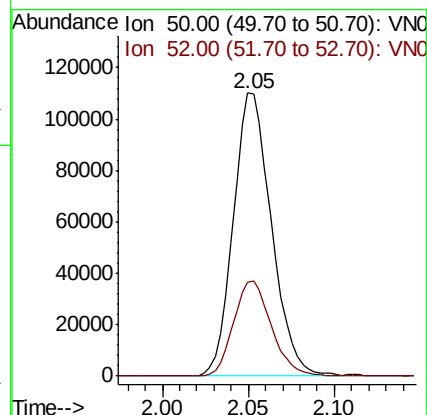
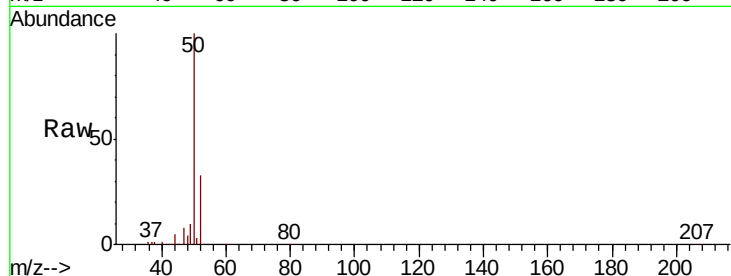
VN0817WBSD01

Tgt Ion: 50 Resp: 169804

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 21.417 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057356.D

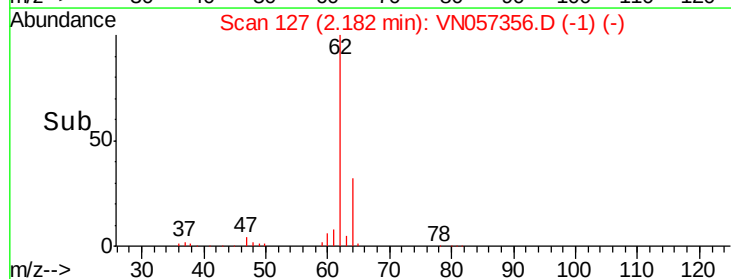
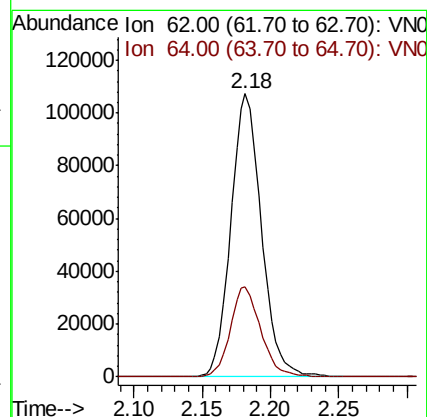
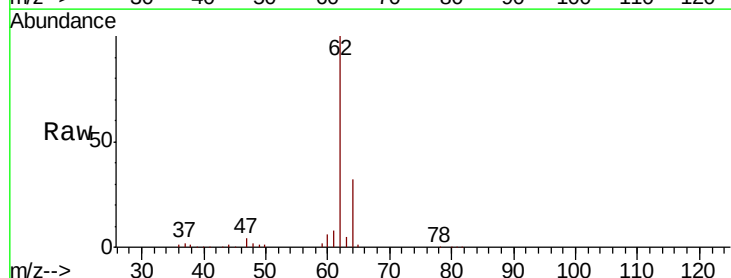
Acq: 16 Aug 2019 15:28

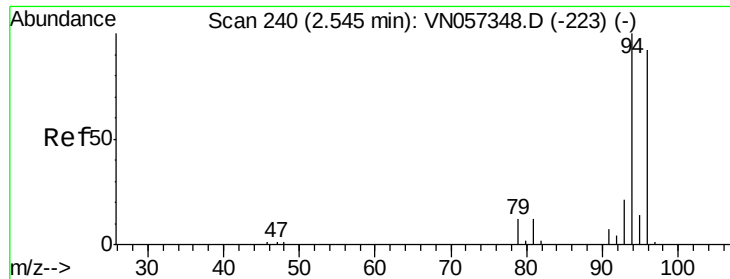
Tgt Ion: 62 Resp: 167145

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 21.144 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

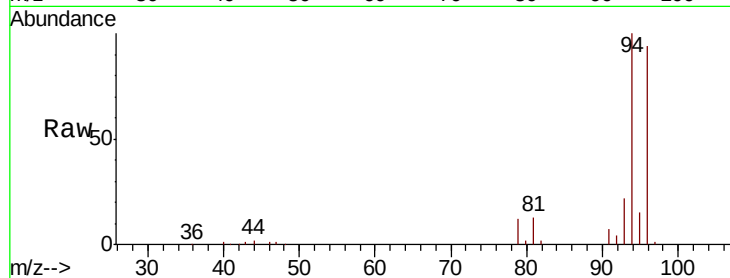
VN0817WBSD01

Tgt Ion: 94 Resp: 128401

Ion Ratio Lower Upper

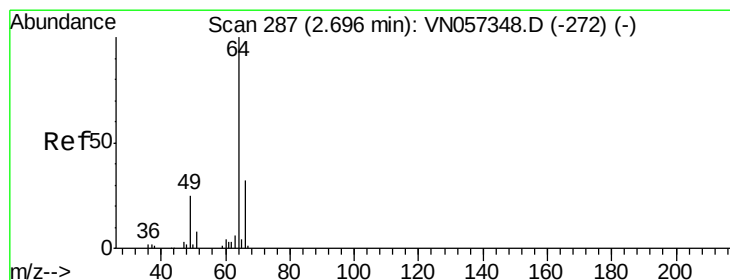
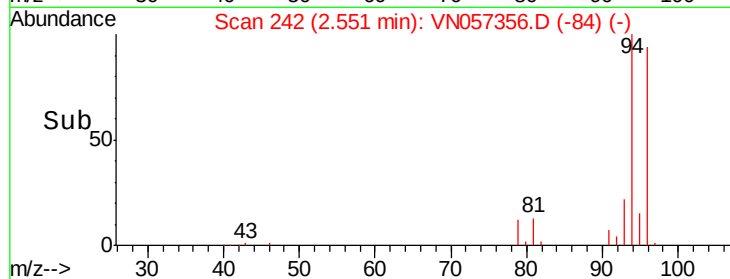
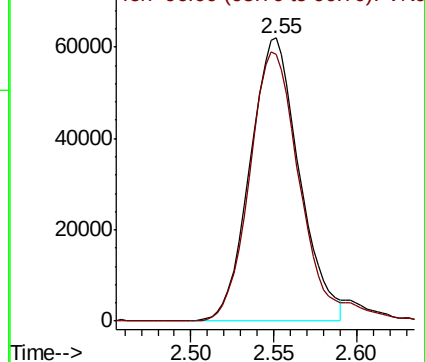
94 100

96 94.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.460 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057356.D

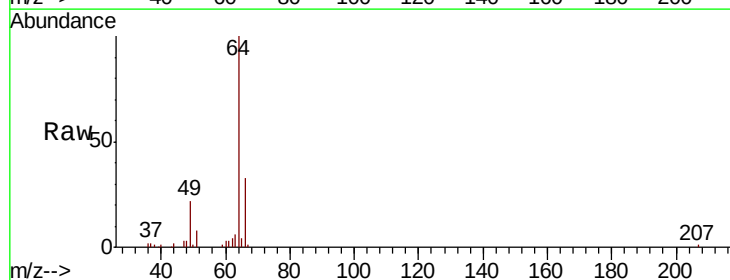
Acq: 16 Aug 2019 15:28

Tgt Ion: 64 Resp: 114726

Ion Ratio Lower Upper

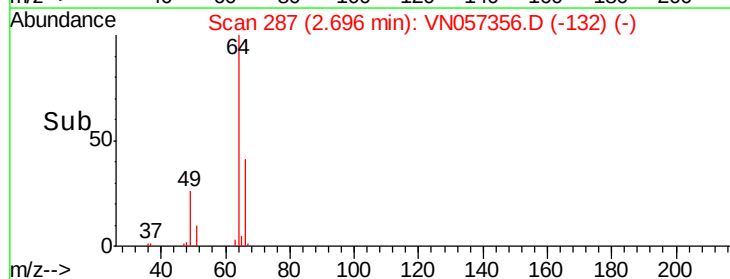
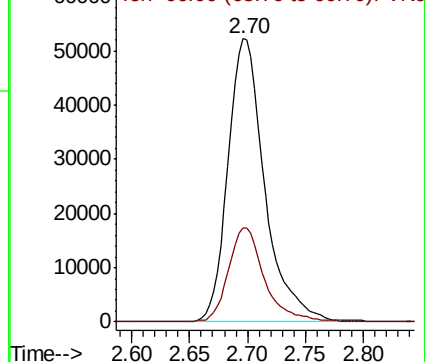
64 100

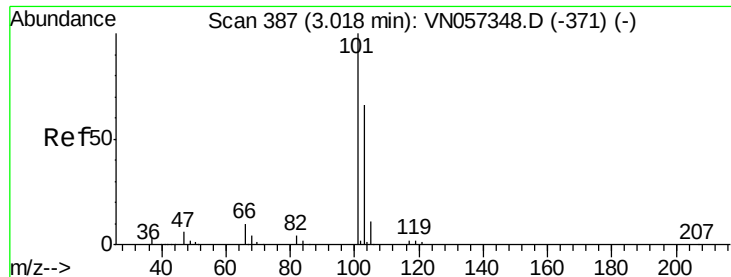
66 33.1 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



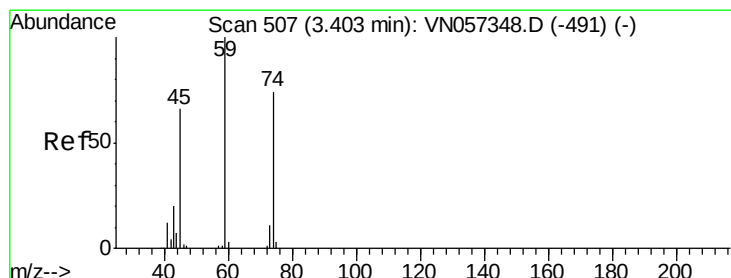
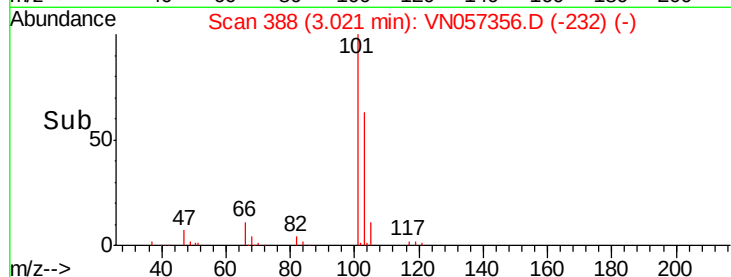
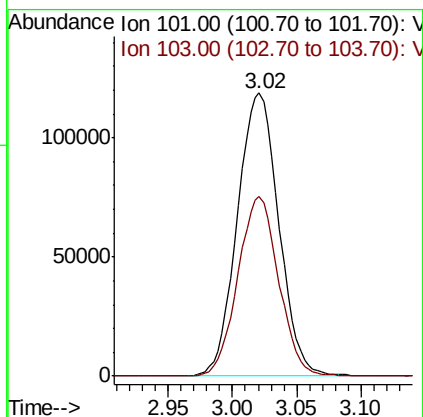
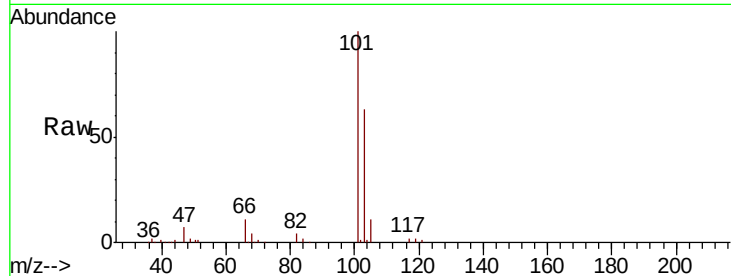


#7

Trichlorofluoromethane
 Concen: 21.224 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBSD01

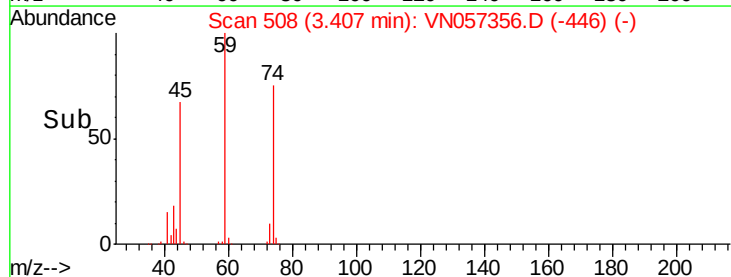
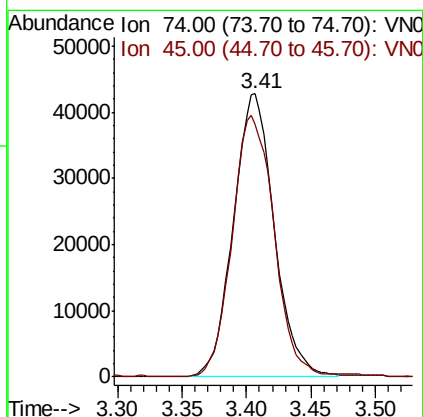
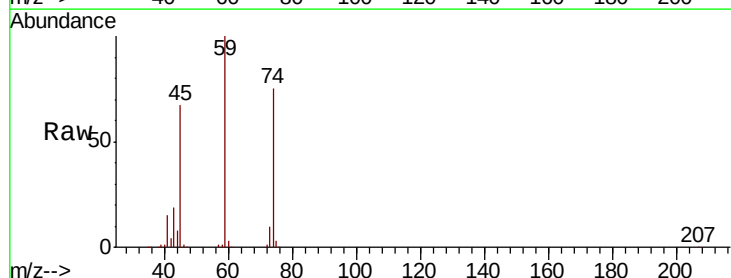
Tgt Ion:101 Resp: 265465
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.8 79.2

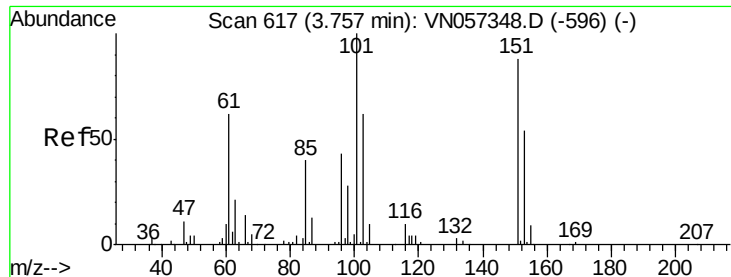


#8

Diethyl Ether
 Concen: 20.511 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 74 Resp: 94415
 Ion Ratio Lower Upper
 74 100
 45 94.6 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.074 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

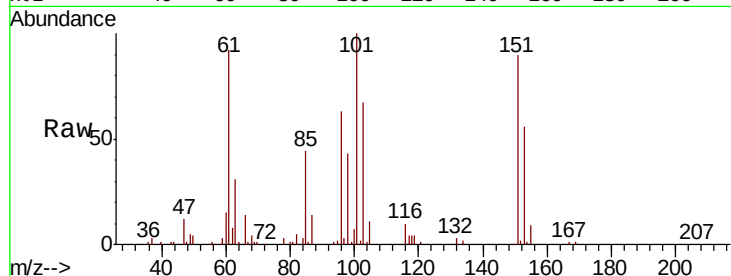
Tgt Ion:101 Resp: 82475

Ion Ratio Lower Upper

101 100

85 79.2 0.0 84.2

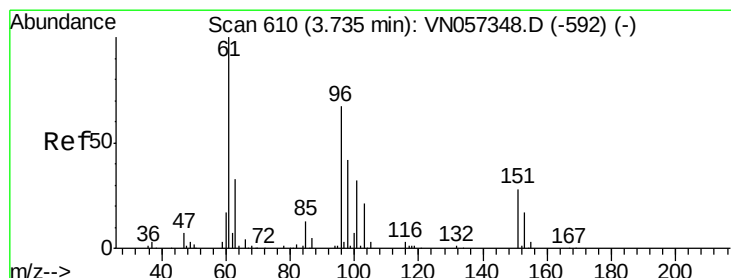
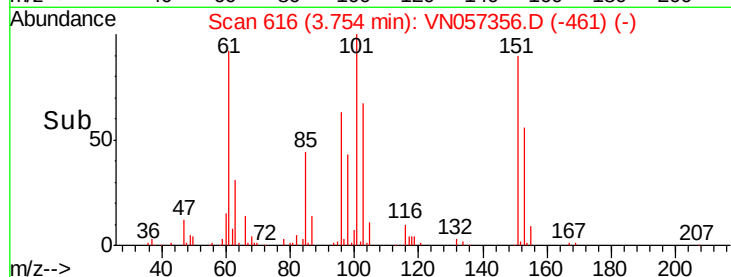
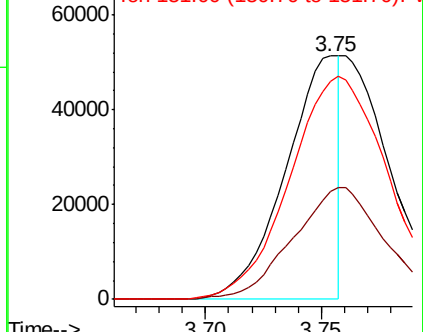
151 168.0 0.0 167.6#



Abundance Ion 101.00 (100.70 to 101.70): VN057348.D (-596) (-)

Ion 85.00 (84.70 to 85.70): VN057348.D (-596) (-)

Ion 151.00 (150.70 to 151.70): VN057348.D (-596) (-)



#10

1,1-Dichloroethene

Concen: 21.418 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

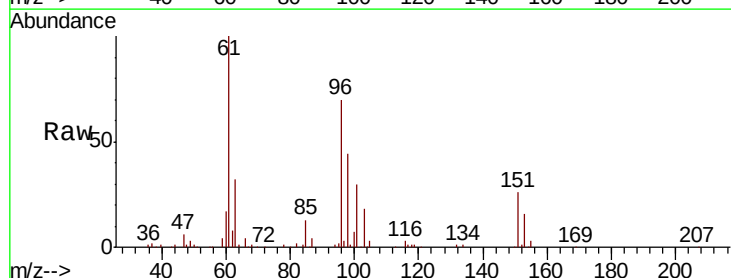
Tgt Ion: 96 Resp: 158207

Ion Ratio Lower Upper

96 100

61 141.8 129.0 193.4

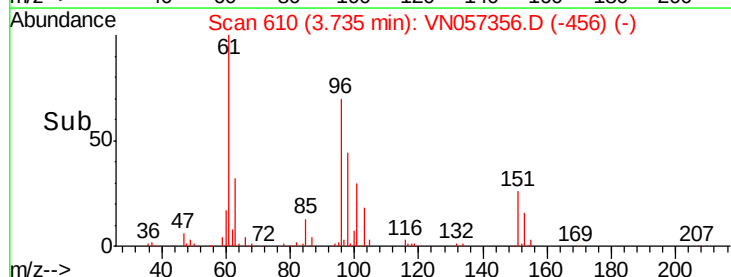
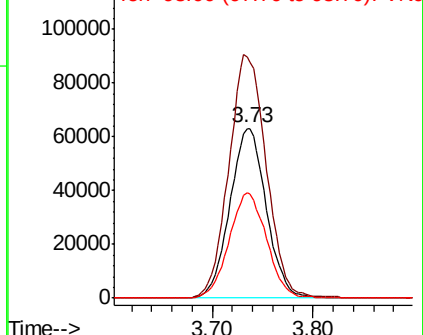
98 62.3 52.5 78.7

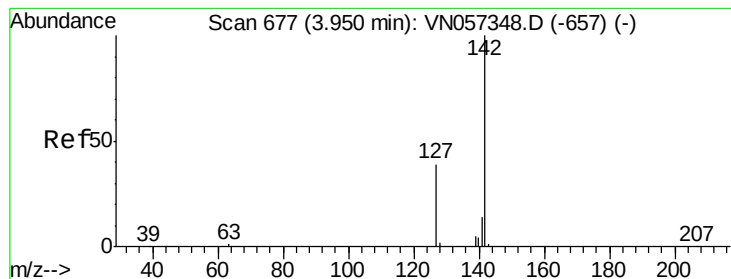


Abundance Ion 96.00 (95.70 to 96.70): VN057348.D (-592) (-)

Ion 61.00 (60.70 to 61.70): VN057348.D (-592) (-)

Ion 98.00 (97.70 to 98.70): VN057348.D (-592) (-)





#11

Methyl Iodide

Concen: 20.194 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

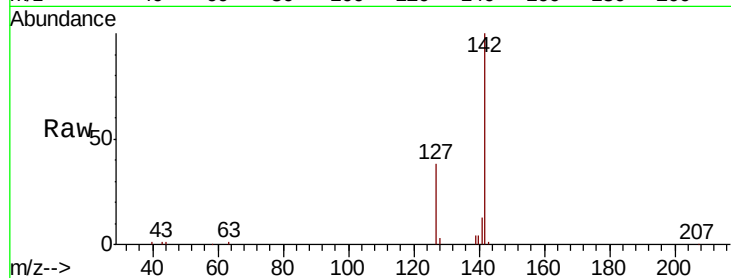
Tgt Ion:142 Resp: 251536

Ion Ratio Lower Upper

142 100

127 38.4 19.5 58.5

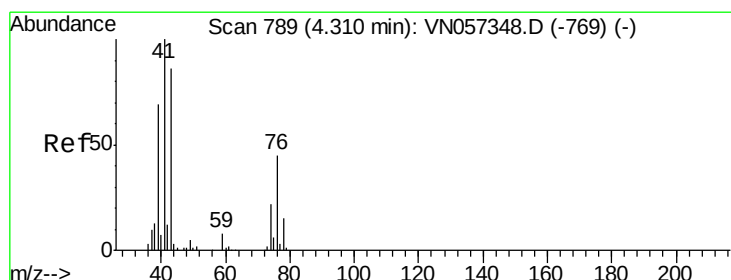
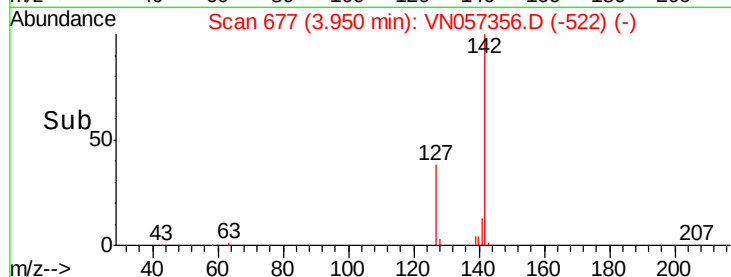
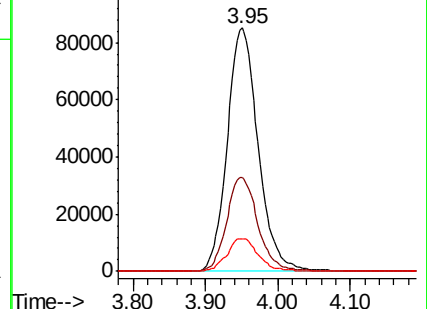
141 13.5 6.8 20.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 21.173 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057356.D

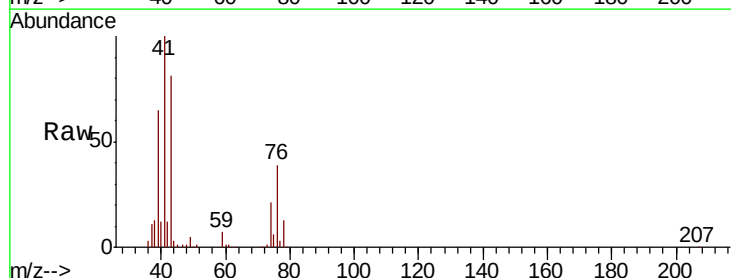
Acq: 16 Aug 2019 15:28

Tgt Ion: 43 Resp: 175828

Ion Ratio Lower Upper

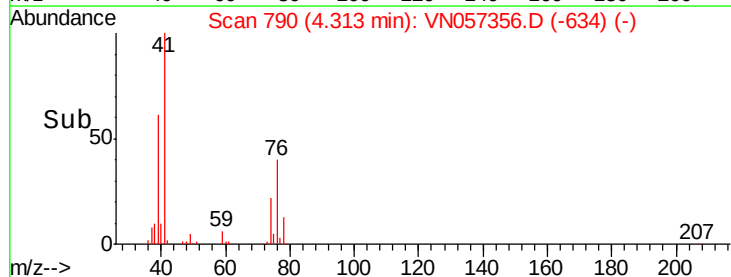
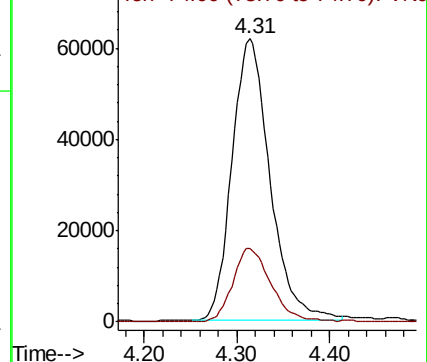
43 100

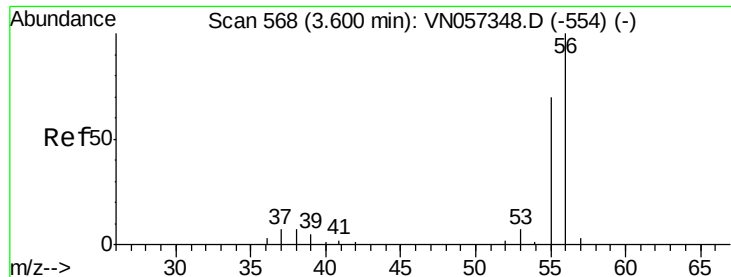
74 25.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 104.278 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

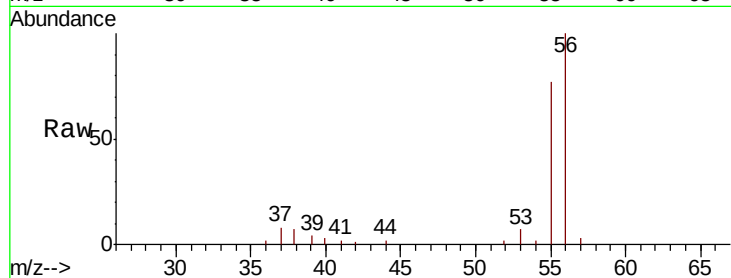
VN0817WBSD01

Tgt Ion: 56 Resp: 81889

Ion Ratio Lower Upper

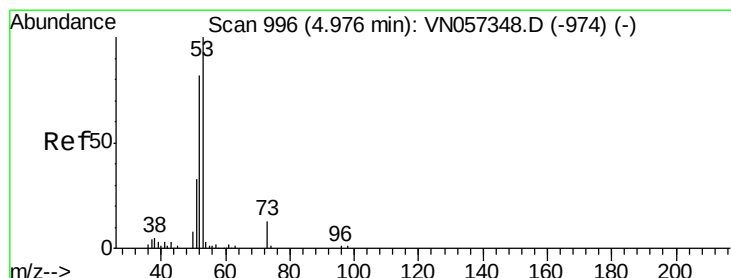
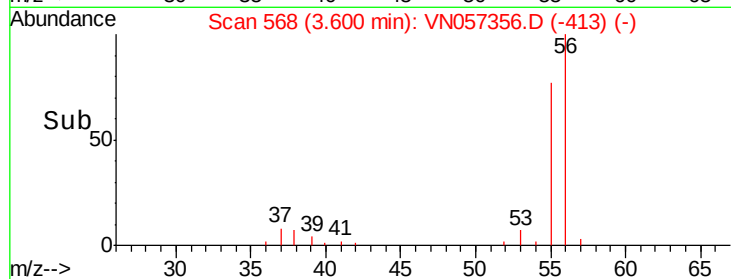
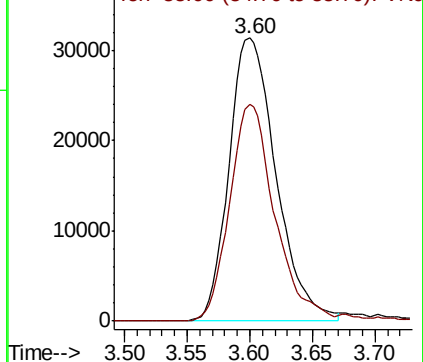
56 100

55 73.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 108.932 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

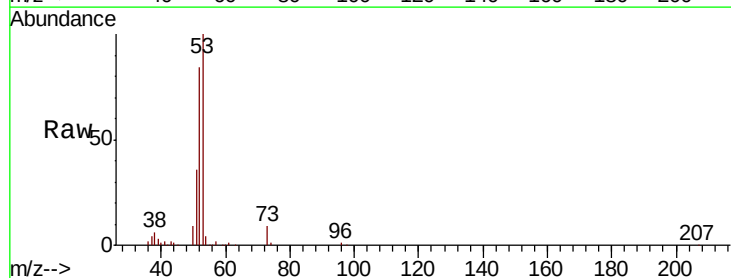
Tgt Ion: 53 Resp: 366453

Ion Ratio Lower Upper

53 100

52 81.1 41.3 123.7

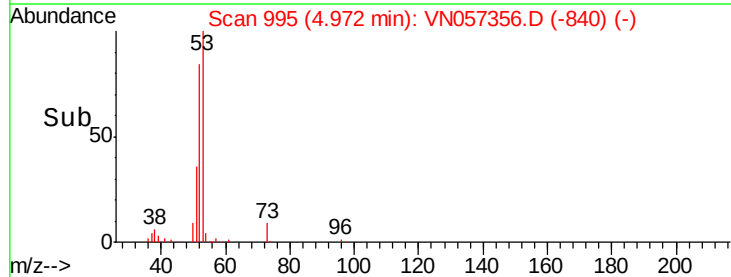
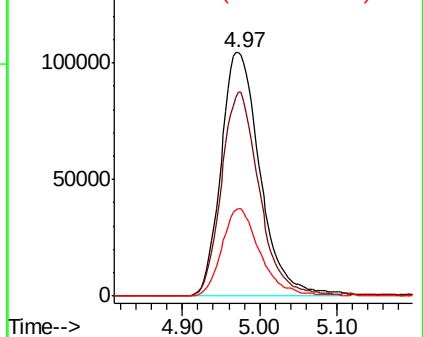
51 35.1 17.7 53.1

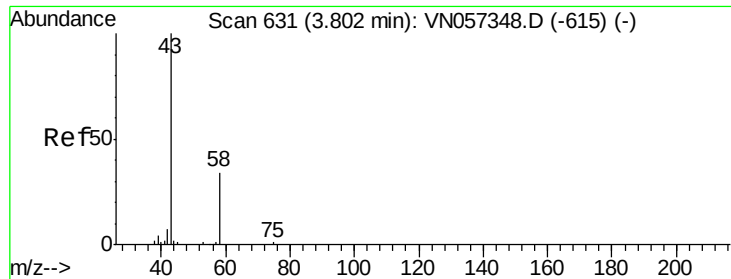


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 97.904 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

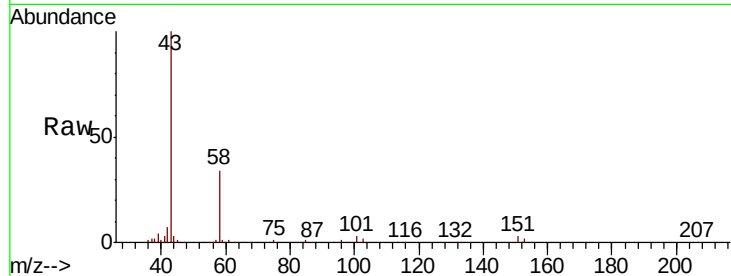
VN0817WBSD01

Tgt Ion: 58 Resp: 97053

Ion Ratio Lower Upper

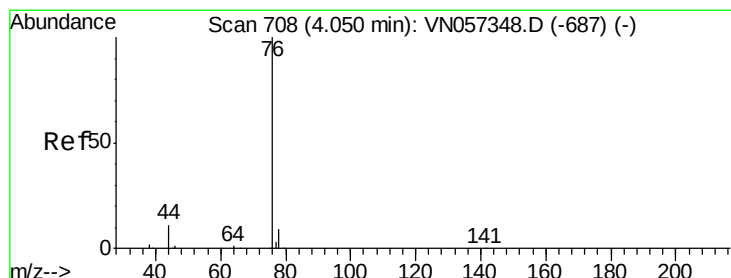
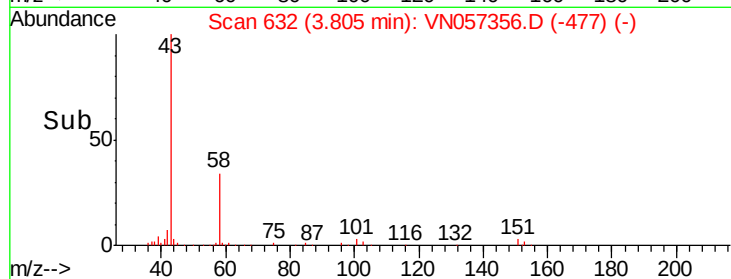
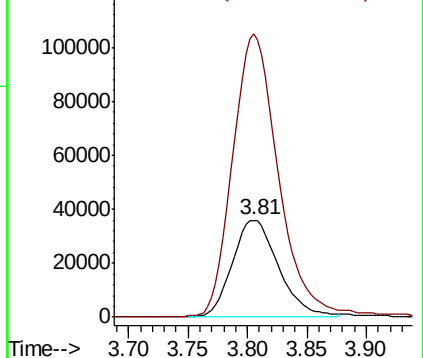
58 100

43 291.0 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN057348.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-615) (-)



#16

Carbon Disulfide

Concen: 20.738 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057356.D

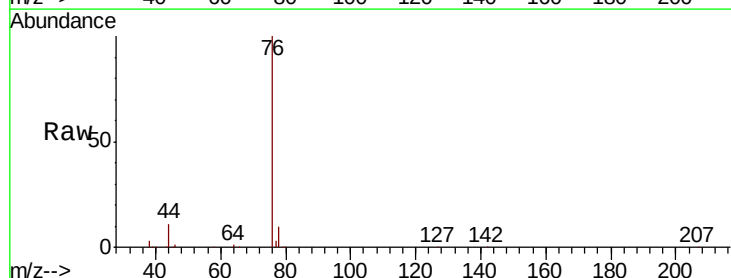
Acq: 16 Aug 2019 15:28

Tgt Ion: 76 Resp: 418724

Ion Ratio Lower Upper

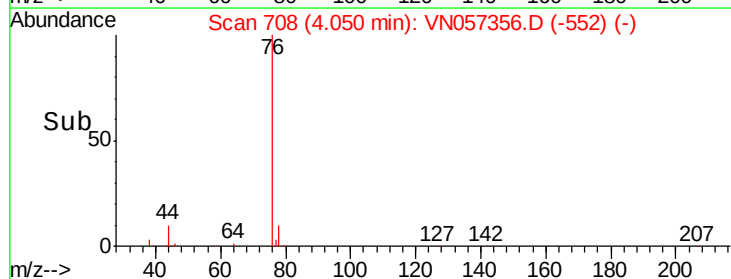
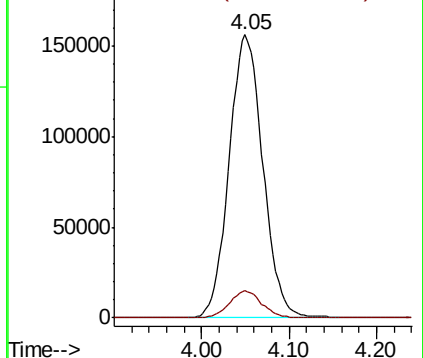
76 100

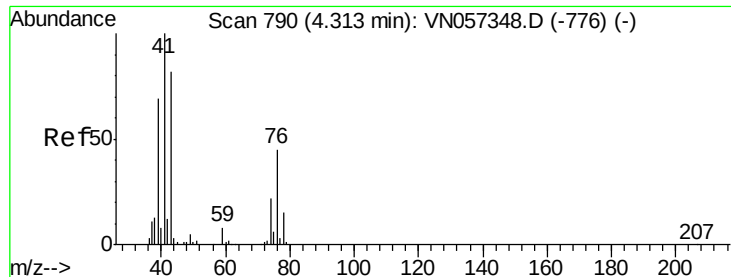
78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-687) (-)

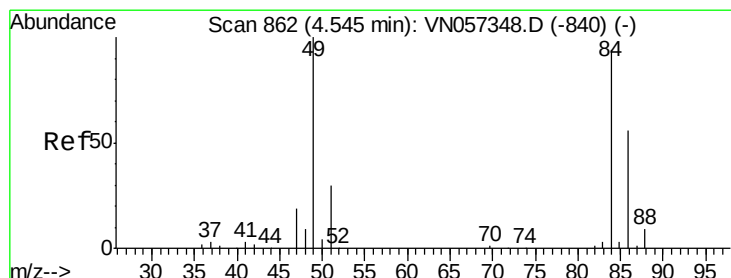
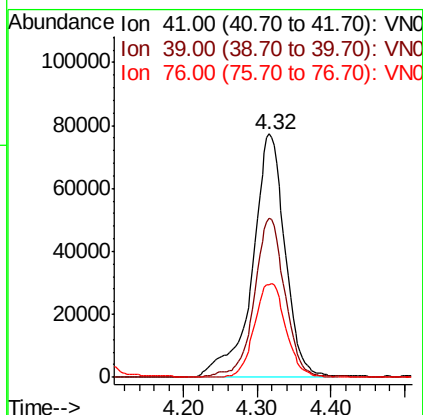
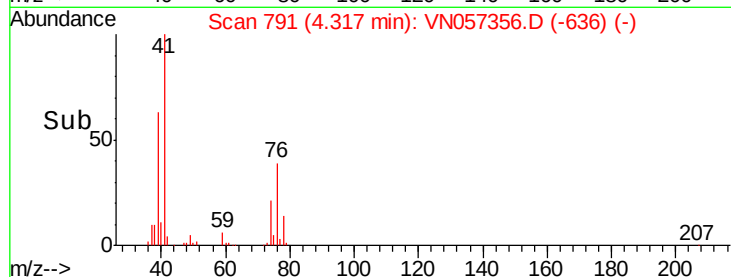
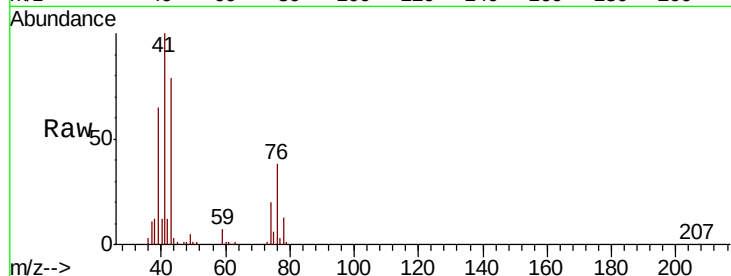




#17
 Allyl chloride
 Concen: 21.998 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

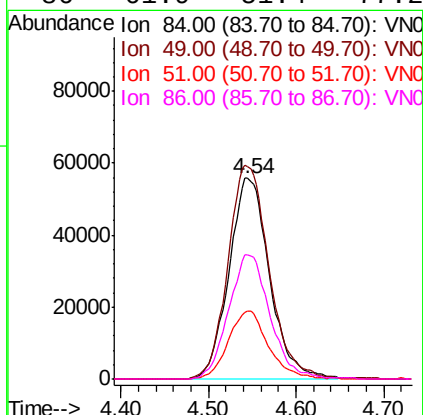
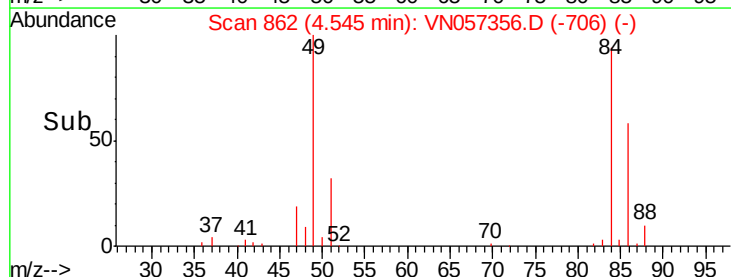
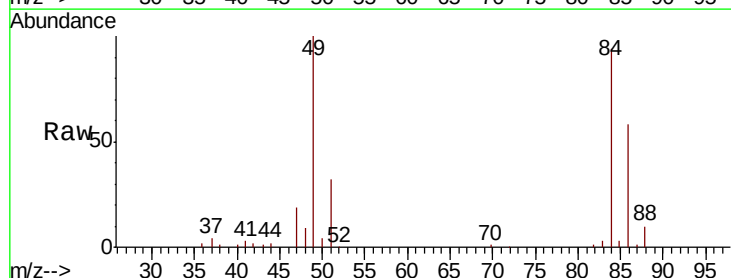
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0817WBSD01

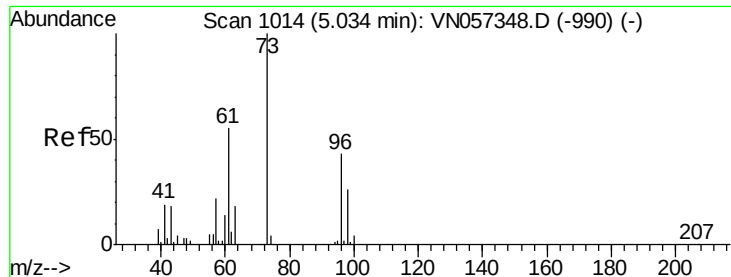
Tgt Ion: 41 Resp: 237329
 Ion Ratio Lower Upper
 41 100
 39 65.2 32.8 98.4
 76 38.2 18.5 55.5



#18
 Methylene Chloride
 Concen: 21.253 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 84 Resp: 179680
 Ion Ratio Lower Upper
 84 100
 49 105.7 93.9 140.9
 51 34.0 31.7 47.5
 86 61.9 51.4 77.2





#19

trans-1,2-Dichloroethene

Concen: 20.845 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

VN0817WBSD01

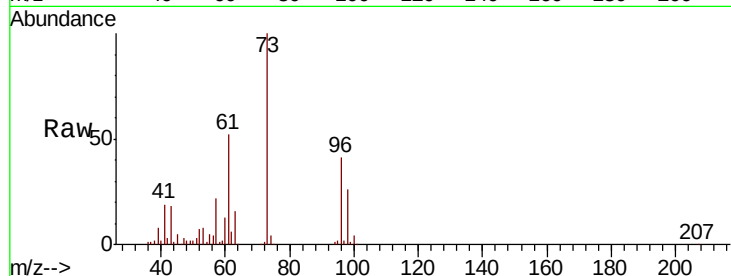
Tgt Ion: 96 Resp: 166735

Ion Ratio Lower Upper

96 100

61 125.1 109.6 164.4

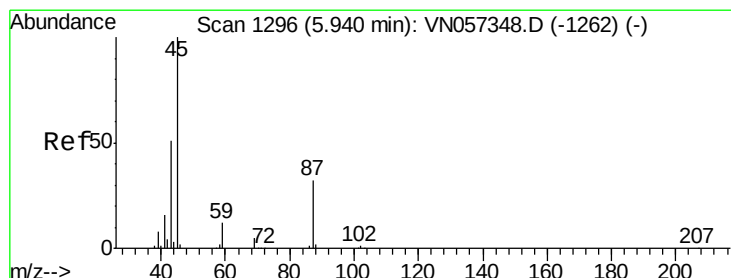
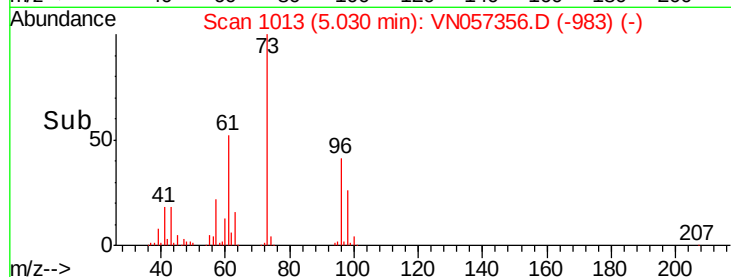
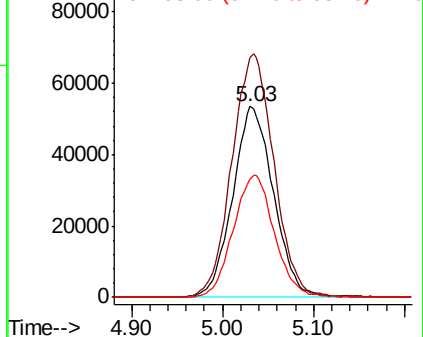
98 61.9 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 21.225 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Tgt Ion: 45 Resp: 476839

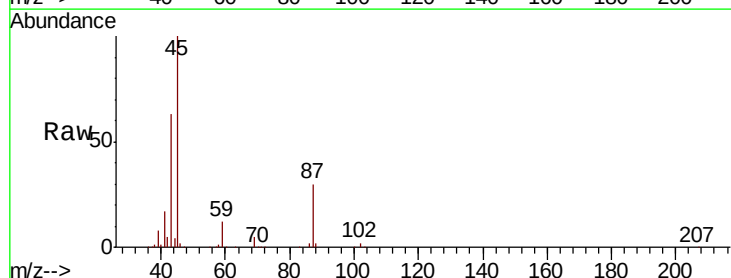
Ion Ratio Lower Upper

45 100

43 60.7 50.3 75.5

87 30.5 21.4 32.0

59 12.1 9.7 14.5

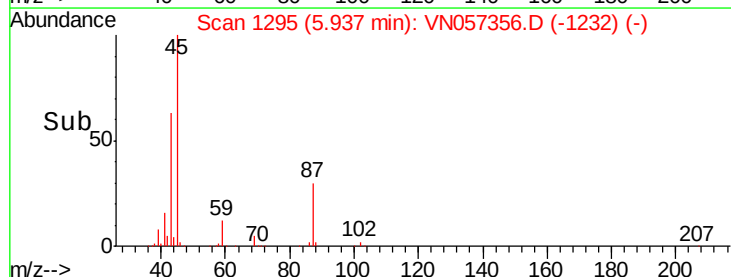
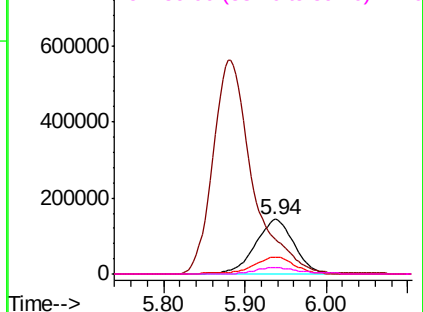


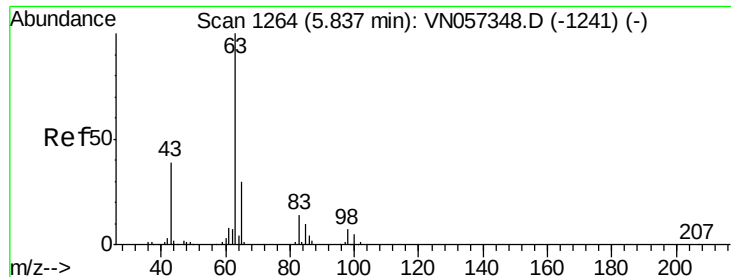
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

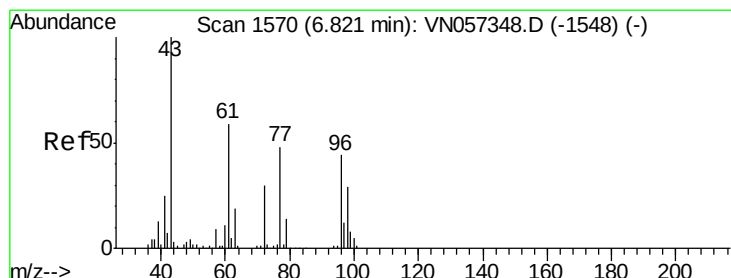
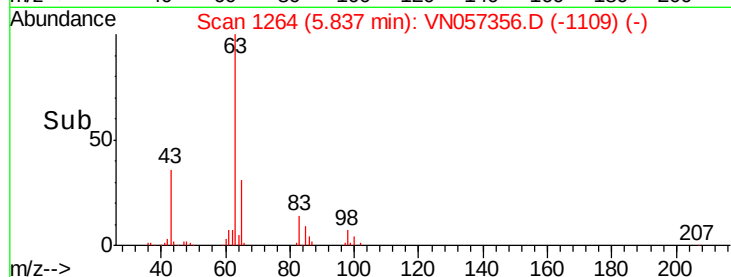
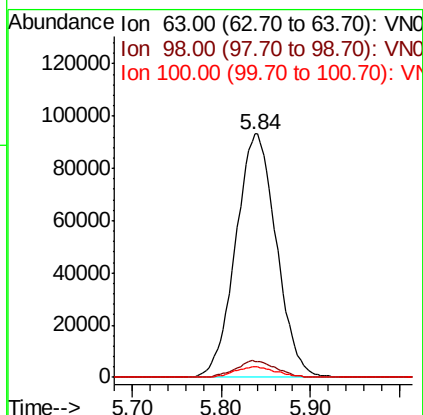
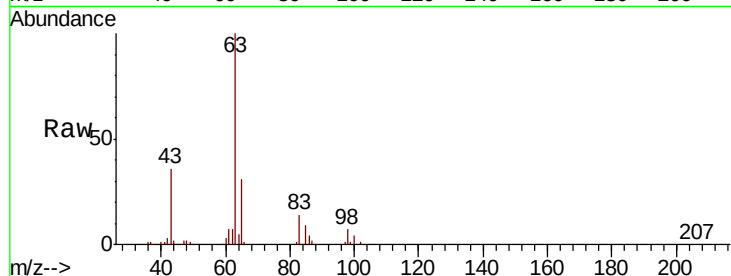




#21
 1,1-Dichloroethane
 Concen: 21.261 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

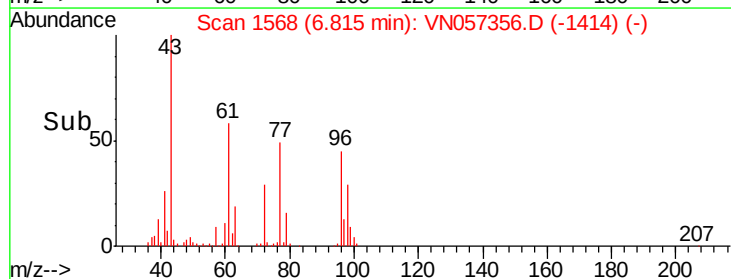
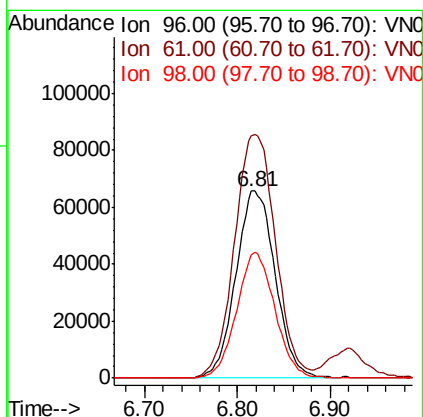
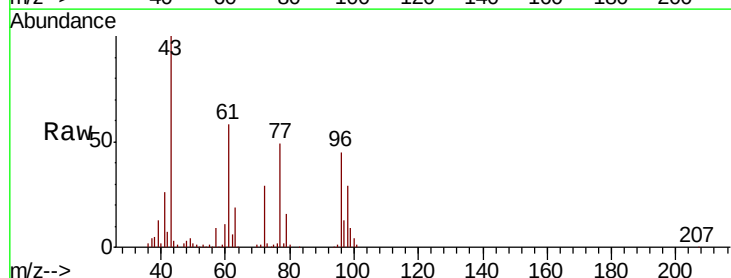
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

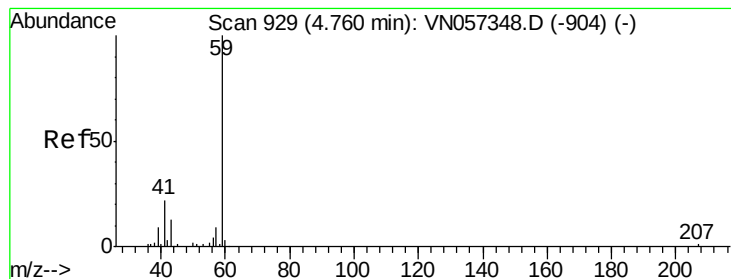
Tgt Ion: 63 Resp: 295129
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.4 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 20.993 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 96 Resp: 194578
 Ion Ratio Lower Upper
 96 100
 61 135.4 112.1 168.1
 98 65.1 52.2 78.2





#23

tert-Butyl Alcohol

Concen: 106.084 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

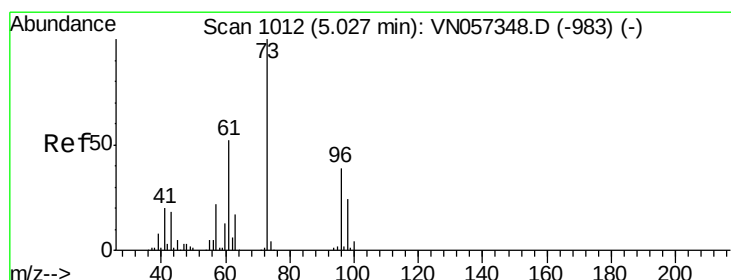
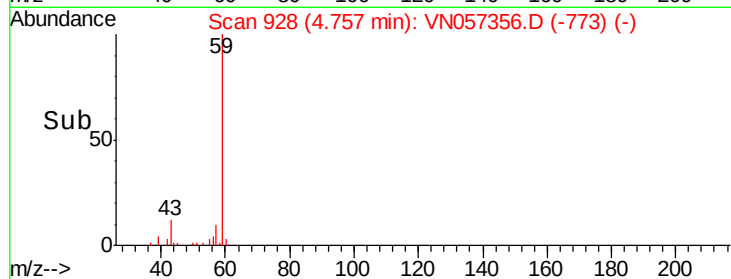
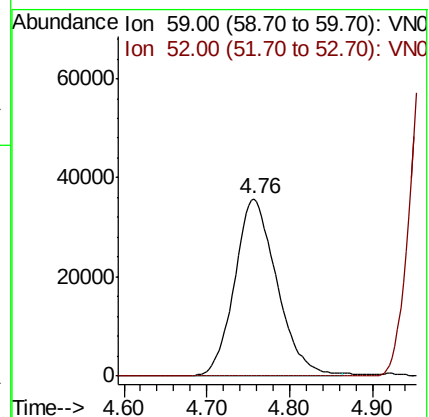
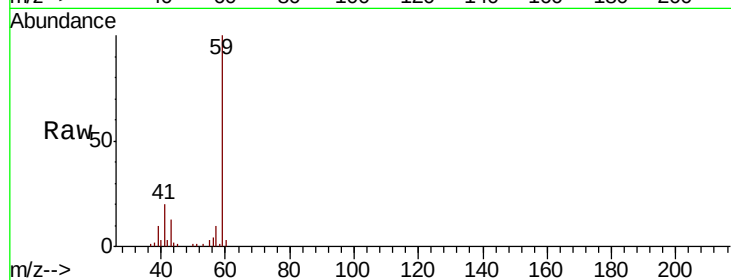
VN0817WBSD01

Tgt Ion: 59 Resp: 127179

Ion Ratio Lower Upper

59 100

52 0.3 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 21.262 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN057356.D

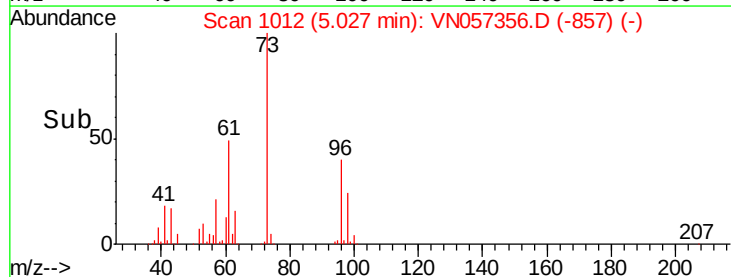
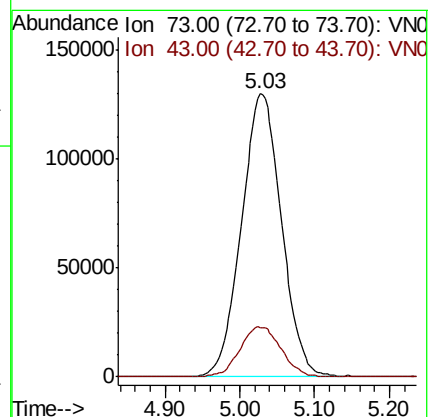
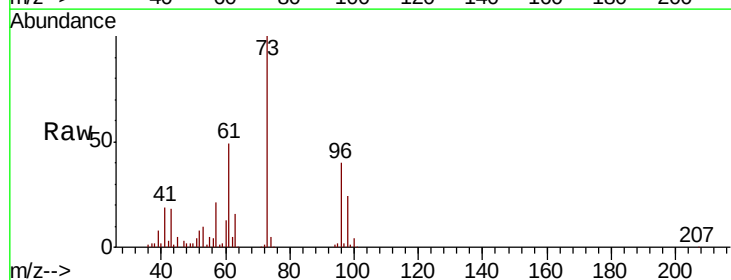
Acq: 16 Aug 2019 15:28

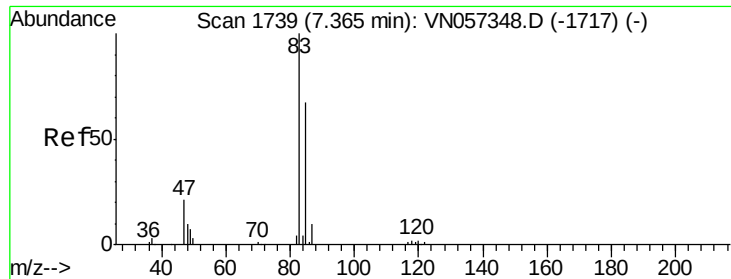
Tgt Ion: 73 Resp: 481953

Ion Ratio Lower Upper

73 100

43 10.3 15.1 22.7#

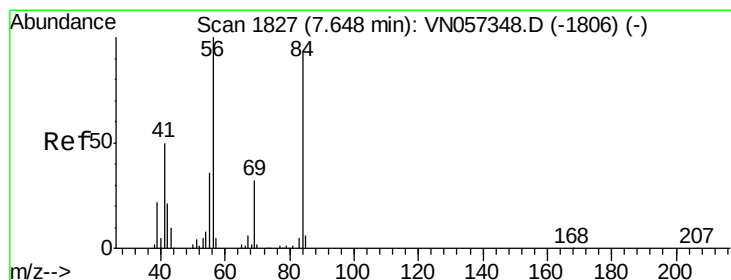
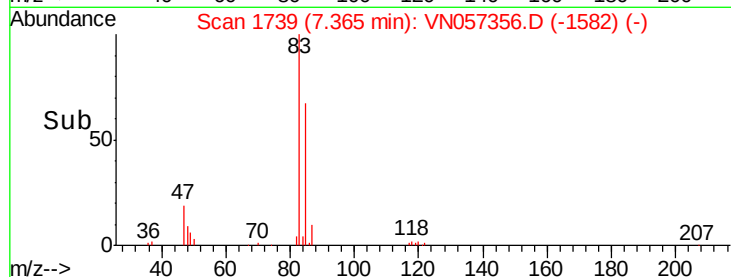
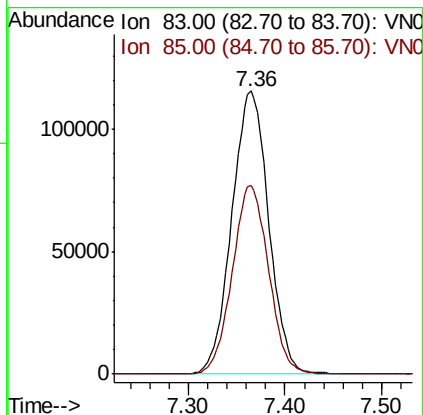
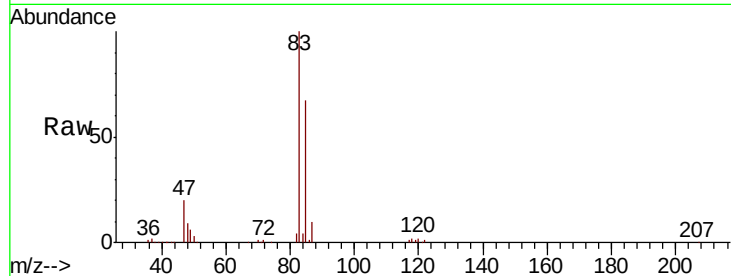




#25
Chloroform
Concen: 21.094 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

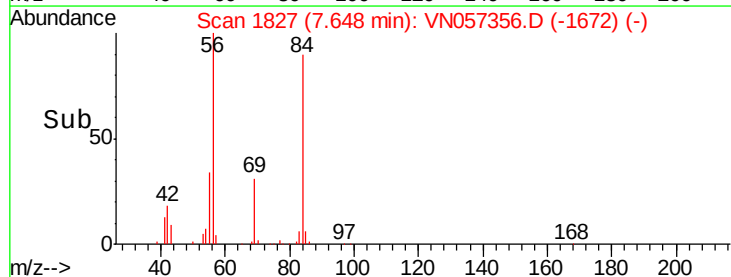
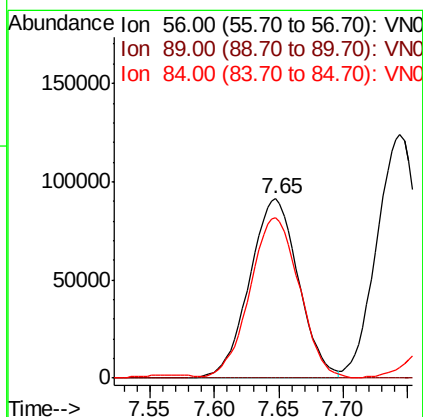
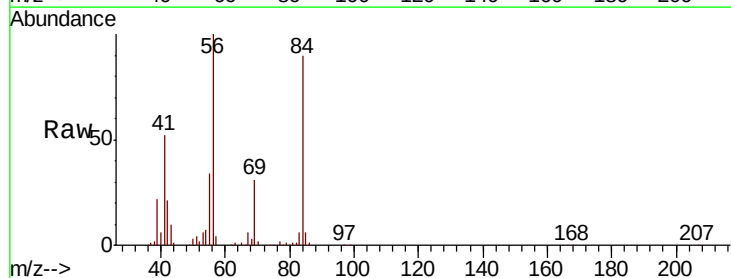
Instrument :
MSVOA_N
ClientSampled :
VN0817WBSD01

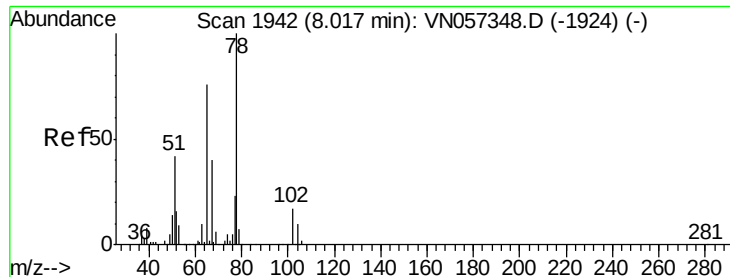
Tgt Ion: 83 Resp: 306045
Ion Ratio Lower Upper
83 100
85 66.4 52.6 79.0



#26
Cyclohexane
Concen: 20.913 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion: 56 Resp: 241308
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 90.2 68.2 102.4

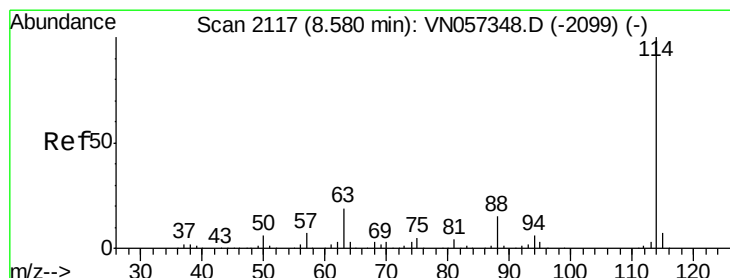
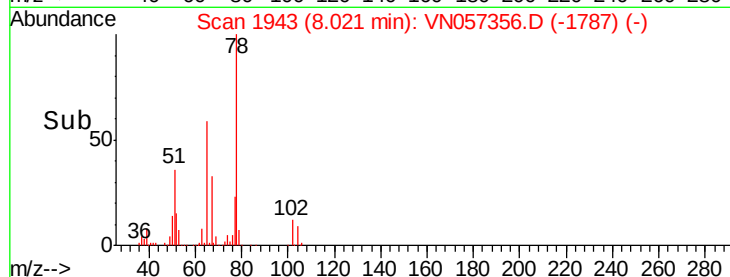
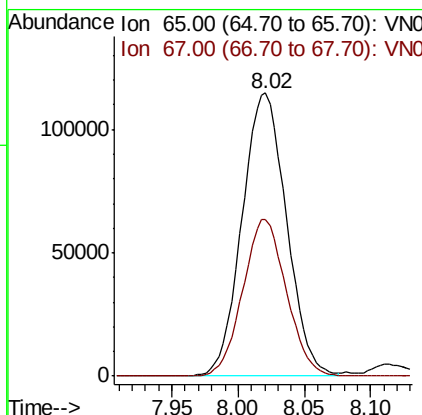
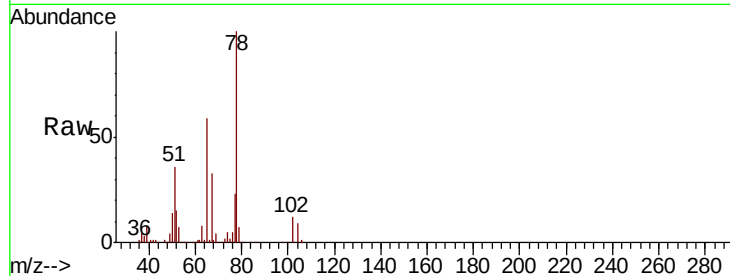




#27
 1,2-Dichloroethane-d4
 Concen: 30.438 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

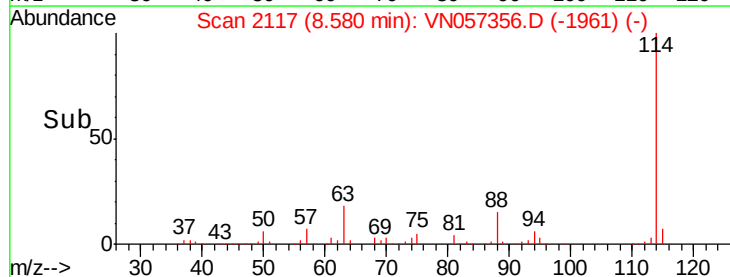
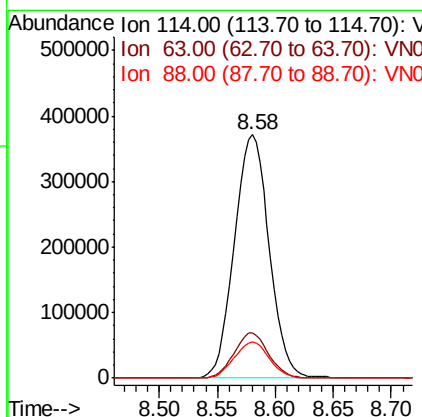
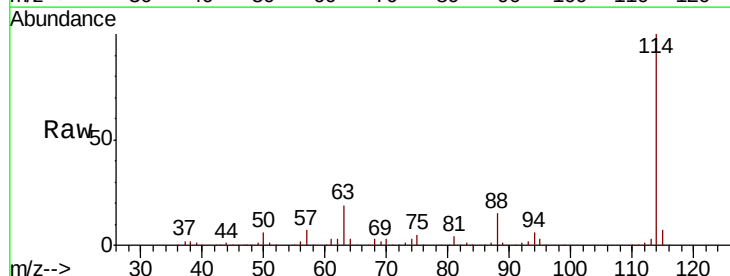
Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBSD01

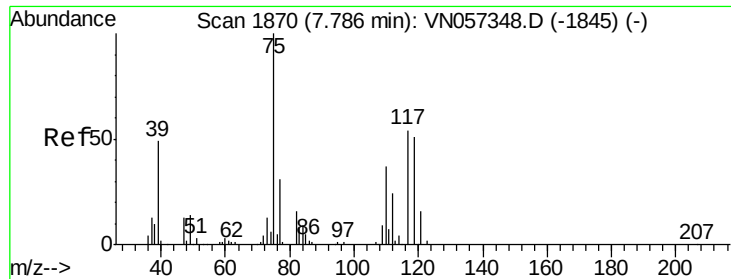
Tgt Ion: 65 Resp: 267974
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 114 Resp: 771409
 Ion Ratio Lower Upper
 114 100
 63 18.5 16.2 24.2
 88 15.1 12.3 18.5

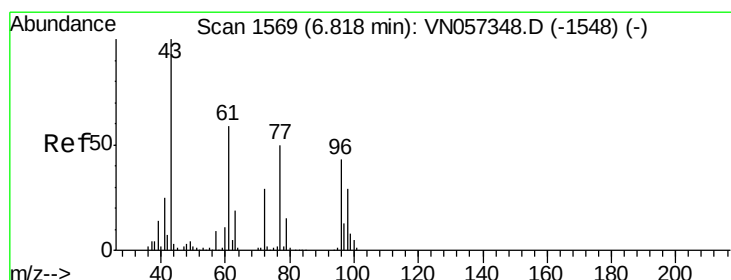
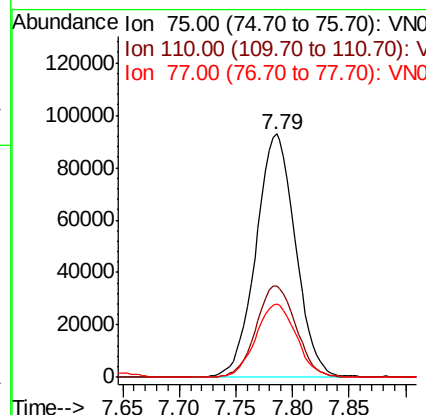
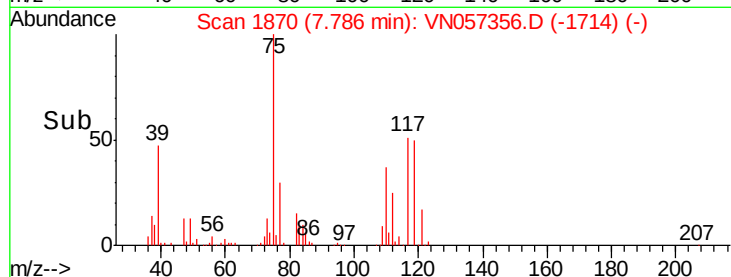
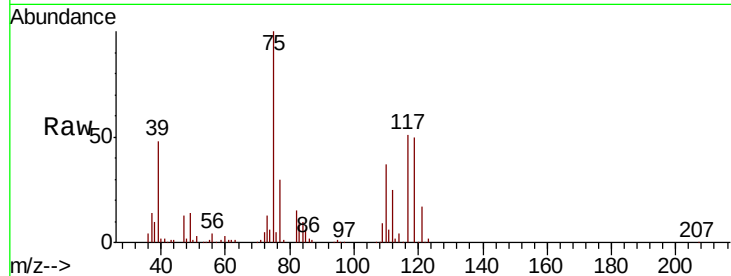




#29
 1,1-Dichloropropene
 Concen: 20.044 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

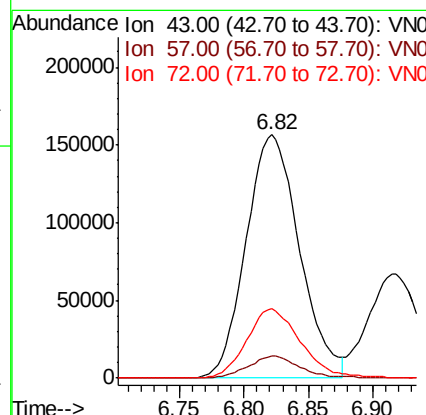
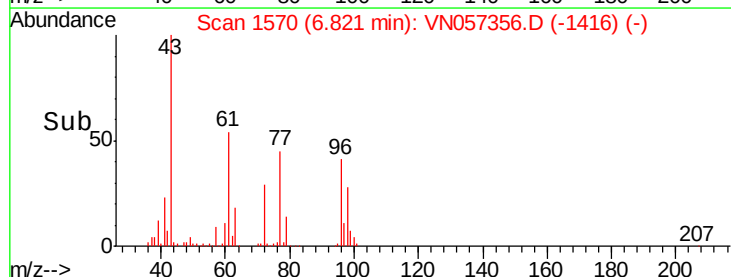
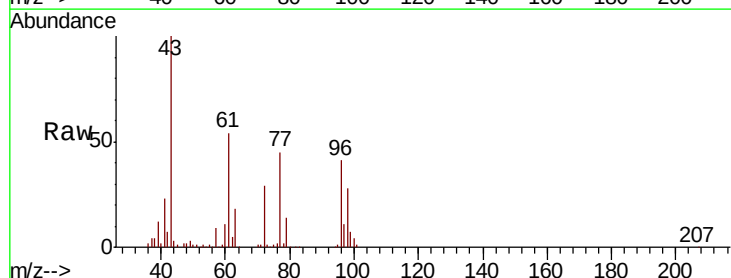
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

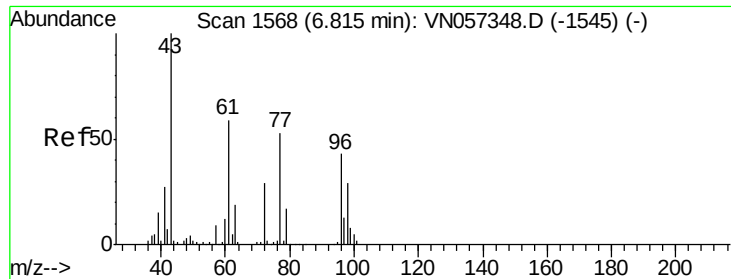
Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	72.4
77	31.1	0.0	62.2



#30
 2-Butanone
 Concen: 101.276 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.6	10.0
72	28.8	21.3	31.9

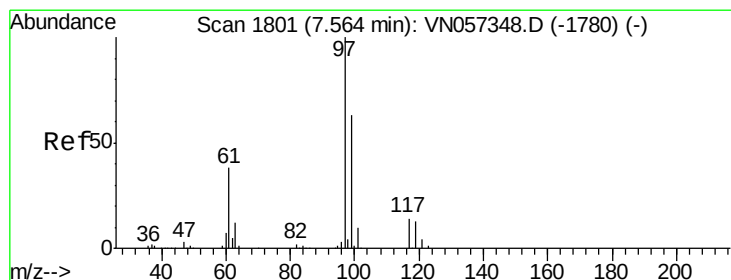
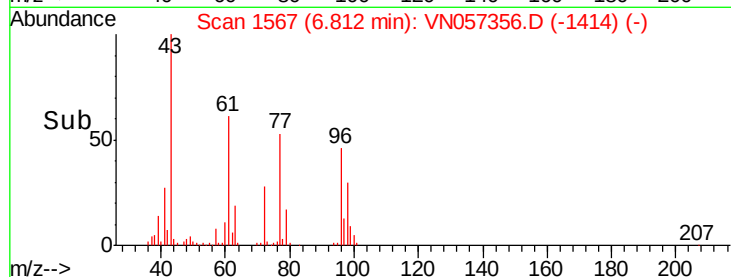
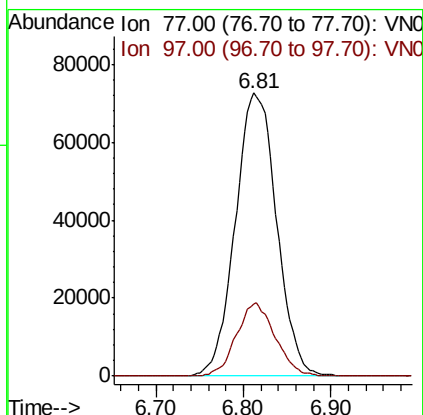
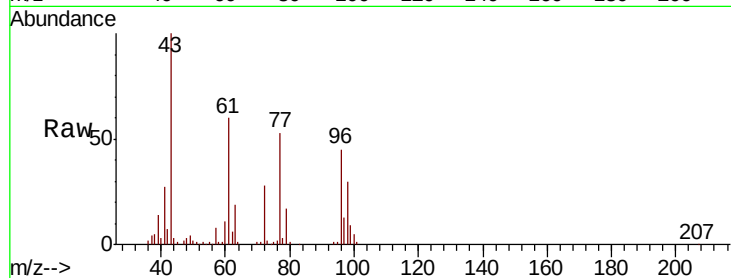




#31
 2,2-Dichloropropane
 Concen: 19.347 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

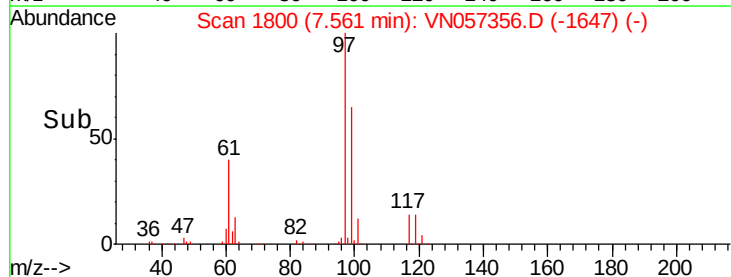
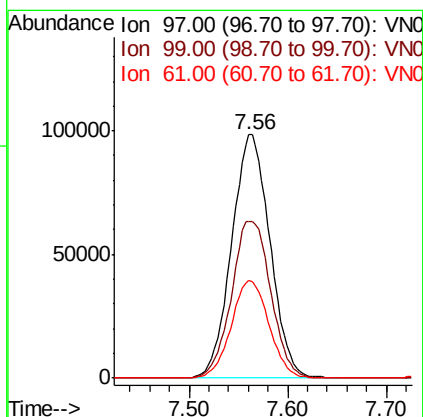
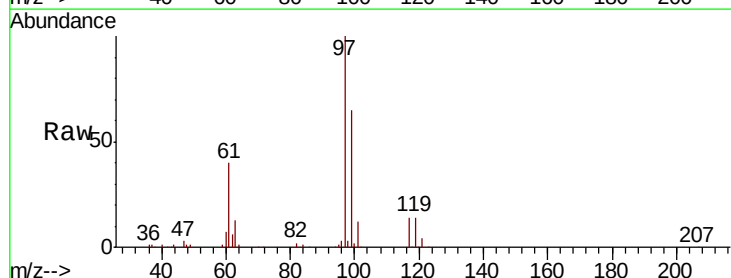
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

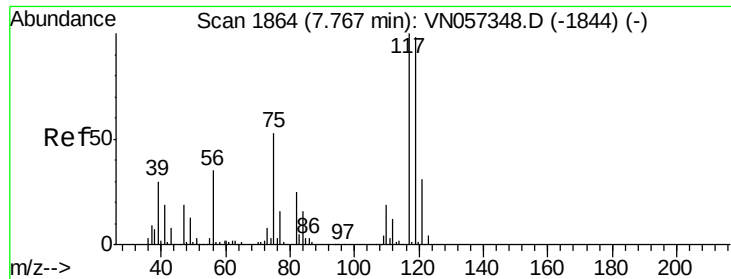
Tgt Ion: 77 Resp: 237822
 Ion Ratio Lower Upper
 77 100
 97 24.3 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 20.034 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 97 Resp: 265766
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.0 78.0
 61 39.5 34.4 51.6

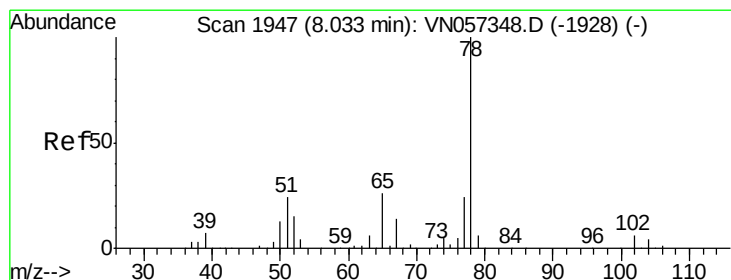
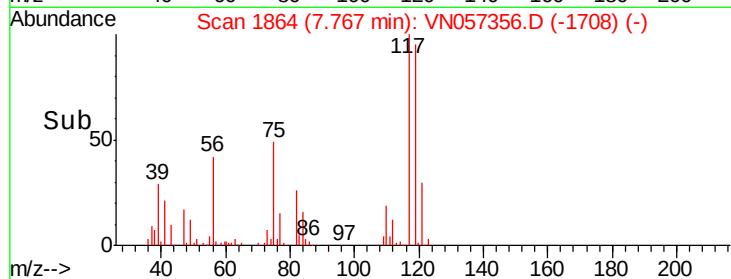
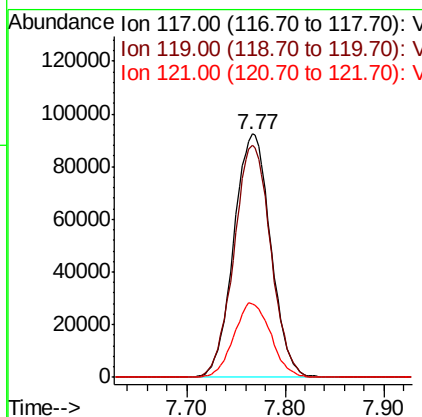
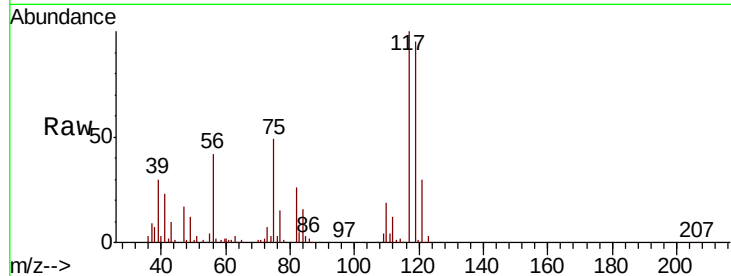




#33
Carbon Tetrachloride
Concen: 20.310 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

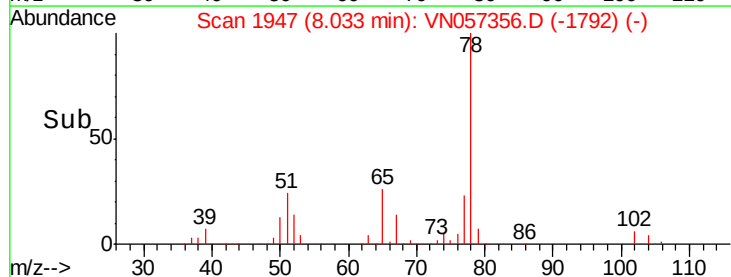
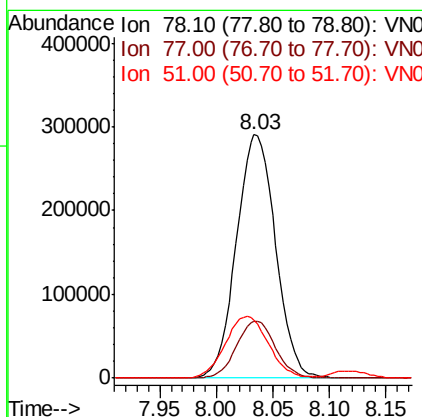
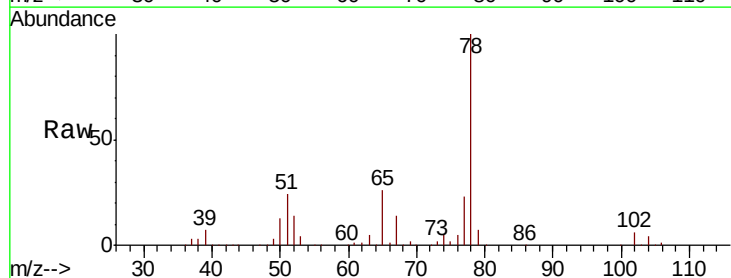
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

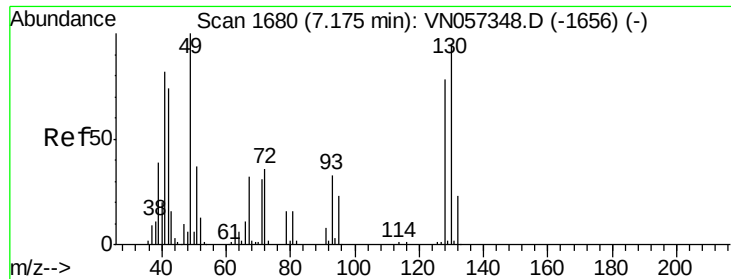
Tgt Ion: 117 Resp: 239903
Ion Ratio Lower Upper
117 100
119 95.4 78.7 118.1
121 30.1 24.0 36.0



#34
Benzene
Concen: 20.565 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion: 78 Resp: 700065
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4
51 23.7 19.7 29.5





#35

Methacrylonitrile

Concen: 44.011 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

Tgt Ion: 41 Resp: 261751

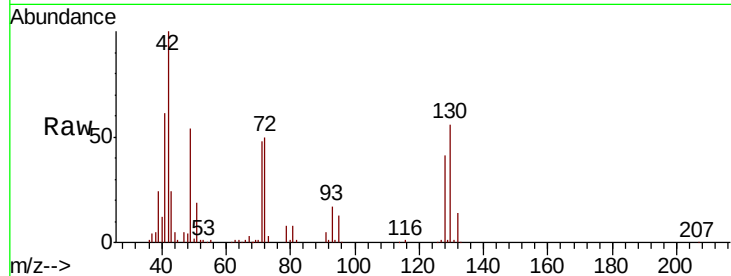
Ion Ratio Lower Upper

41 100

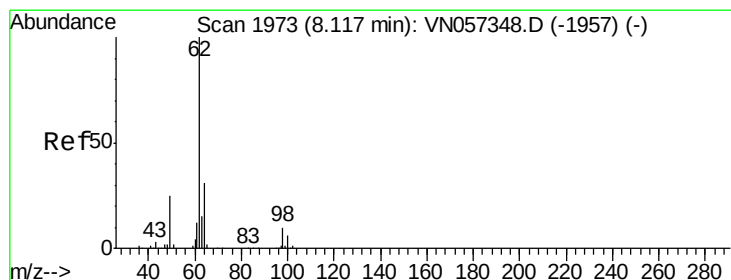
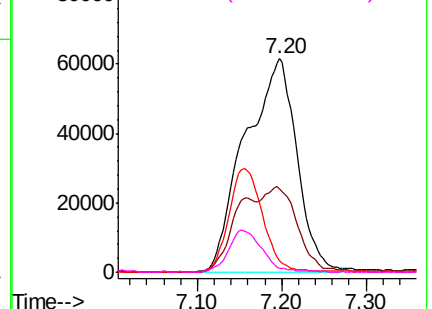
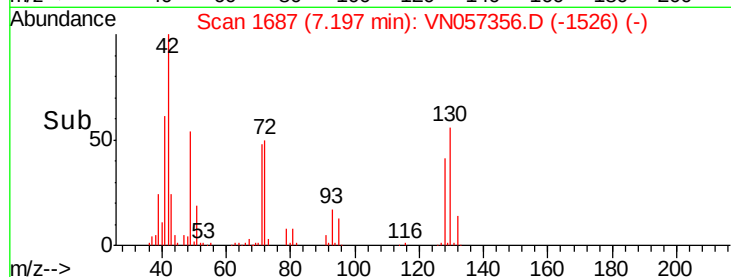
39 39.2 25.4 76.2

67 5.2 33.6 100.8#

52 1.7 12.9 38.7#



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



#36

1,2-Dichloroethane

Concen: 20.210 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VN057356.D

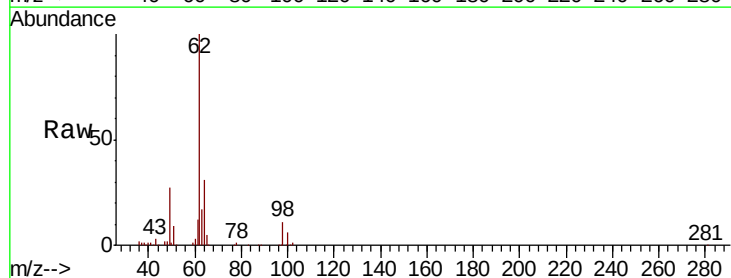
Acq: 16 Aug 2019 15:28

Tgt Ion: 62 Resp: 223594

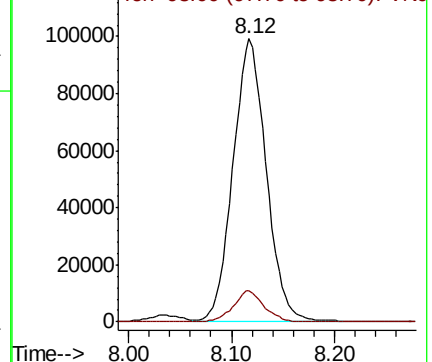
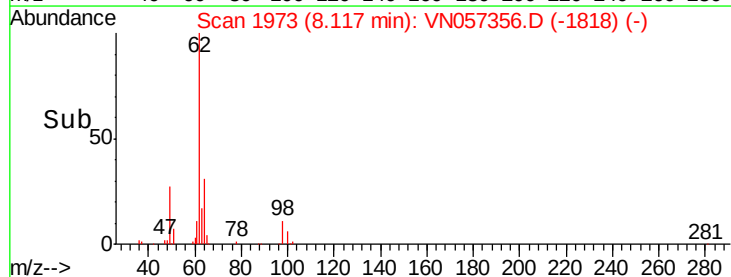
Ion Ratio Lower Upper

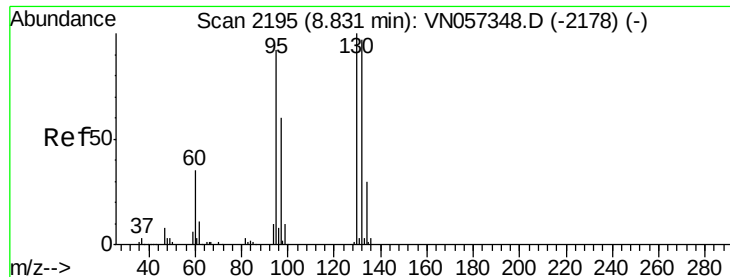
62 100

98 10.1 7.7 11.5



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





#37

Trichloroethene

Concen: 19.942 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

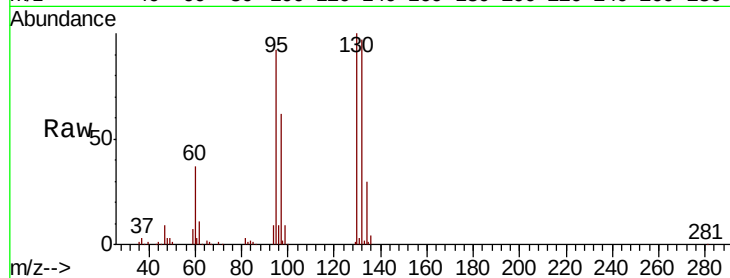
VN0817WBSD01

Tgt Ion:130 Resp: 197604

Ion Ratio Lower Upper

130 100

95 91.7 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): VN057348.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN057348.D (-2178) (-)

8.83

100000

80000

60000

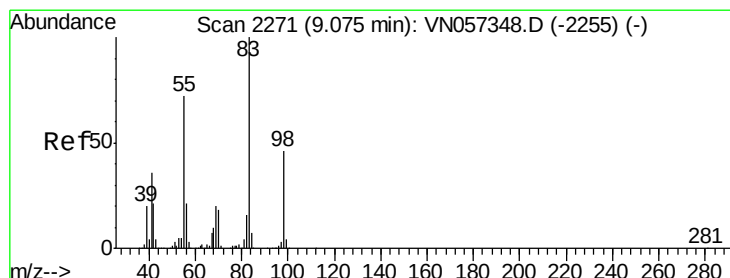
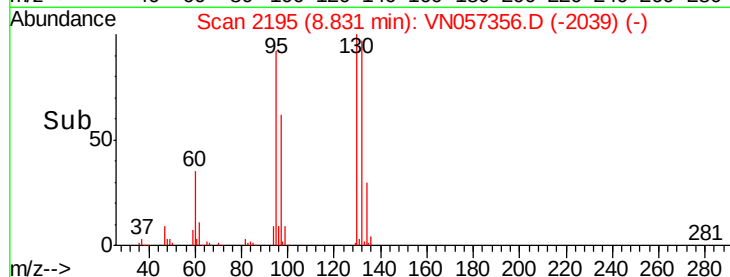
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.800 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

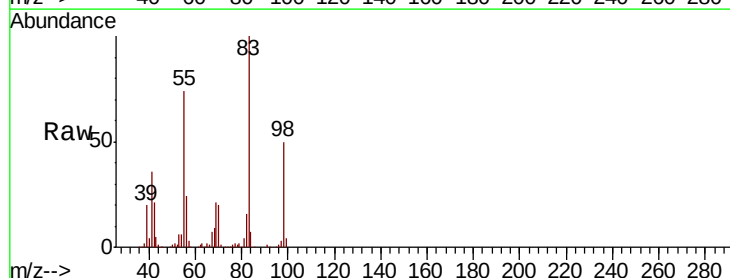
Tgt Ion: 83 Resp: 263126

Ion Ratio Lower Upper

83 100

55 72.1 38.4 115.2

98 47.7 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN057348.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN057348.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN057348.D (-2255) (-)

9.08

150000

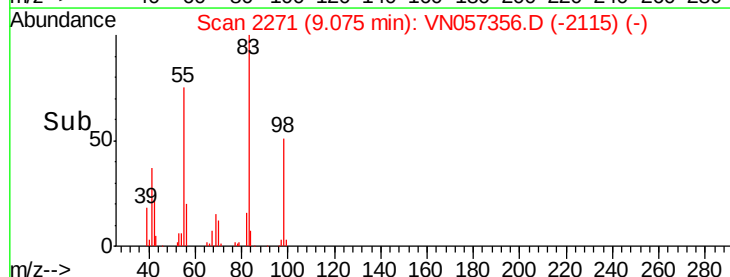
100000

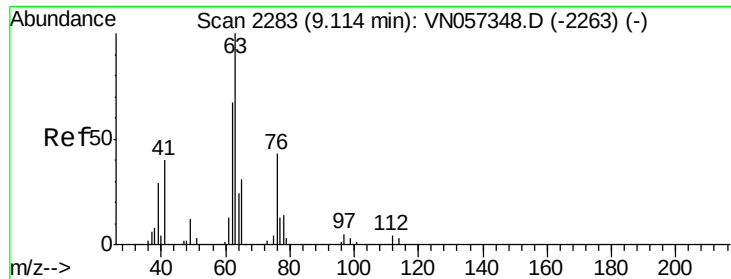
50000

0

9.00 9.05 9.10 9.15

Time-->

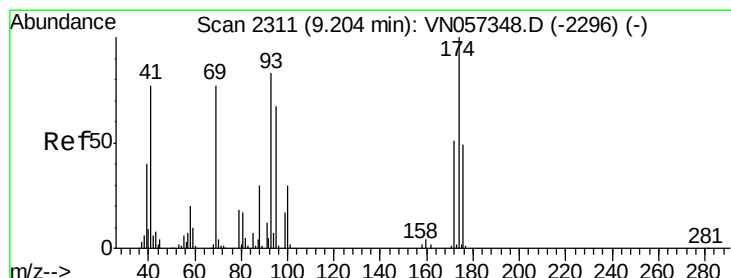
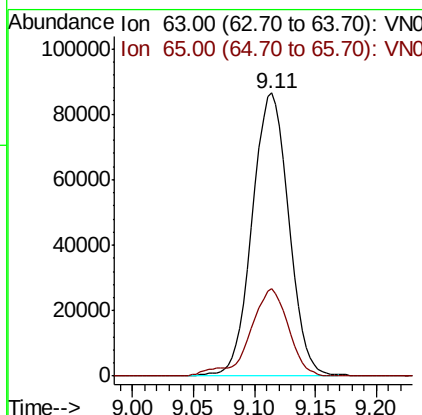
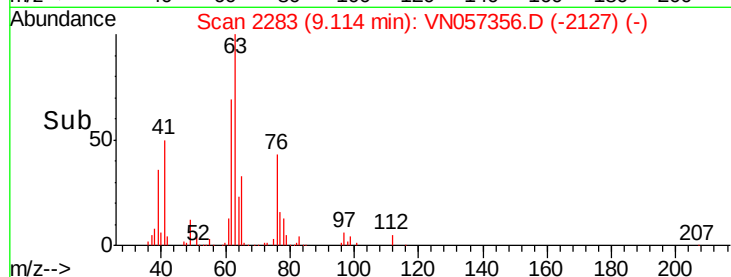
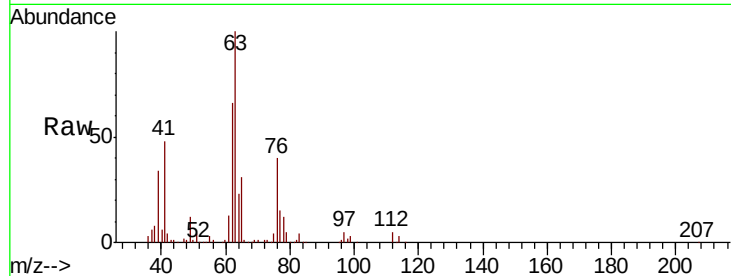




#39
 1,2-Dichloropropane
 Concen: 20.642 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

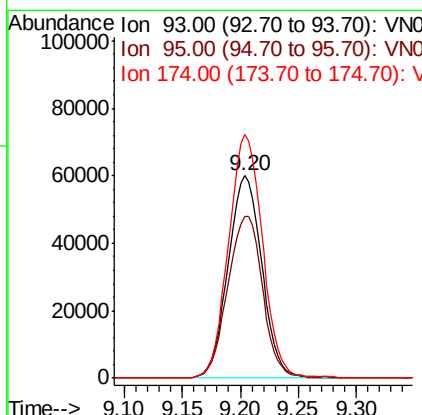
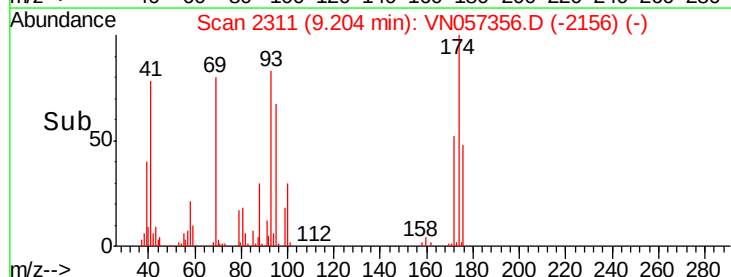
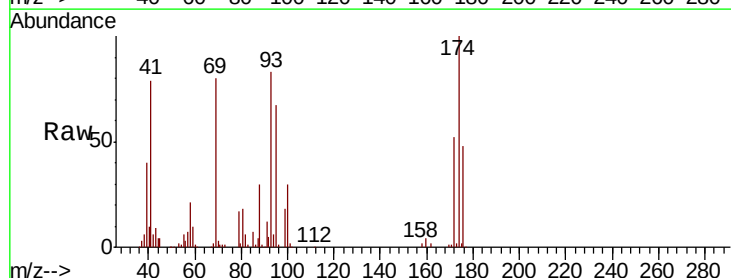
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0817WBSD01

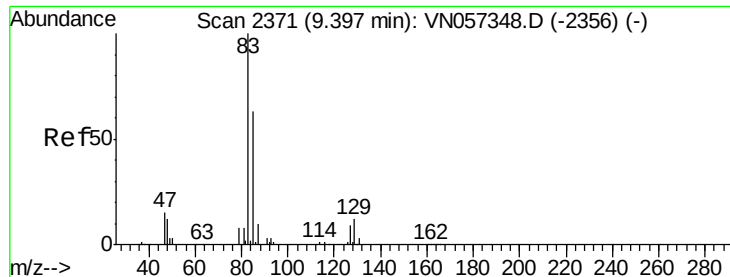
Tgt Ion: 63 Resp: 179600
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#40
 Dibromomethane
 Concen: 20.891 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 93 Resp: 120923
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 167.0
 174 120.6 0.0 224.2





#41

Bromodichloromethane

Concen: 20.051 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

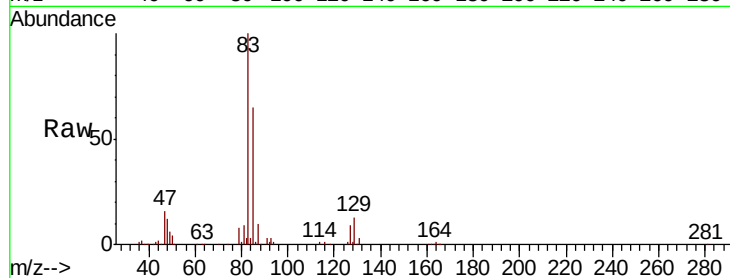
Tgt Ion: 83 Resp: 235171

Ion Ratio Lower Upper

83 100

85 65.1 50.1 75.1

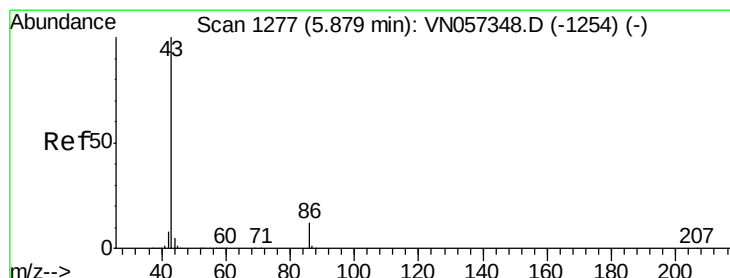
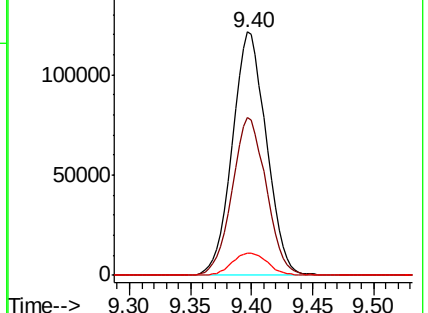
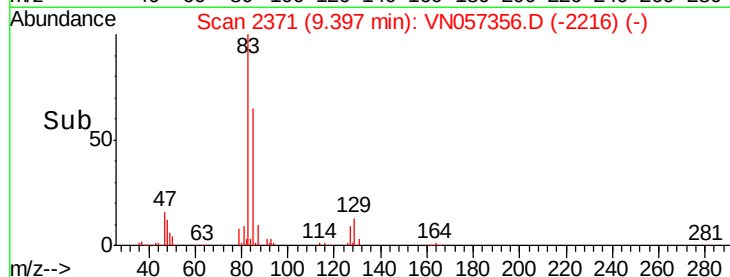
127 9.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.511 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VN057356.D

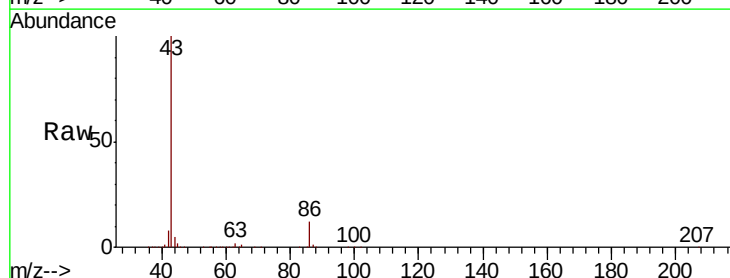
Acq: 16 Aug 2019 15:28

Tgt Ion: 43 Resp: 1909647

Ion Ratio Lower Upper

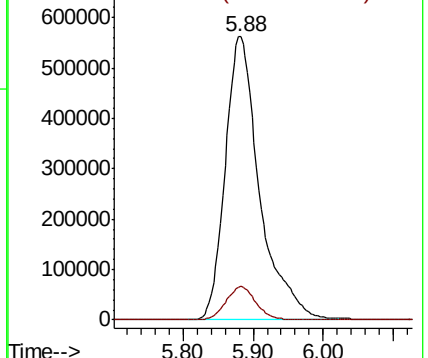
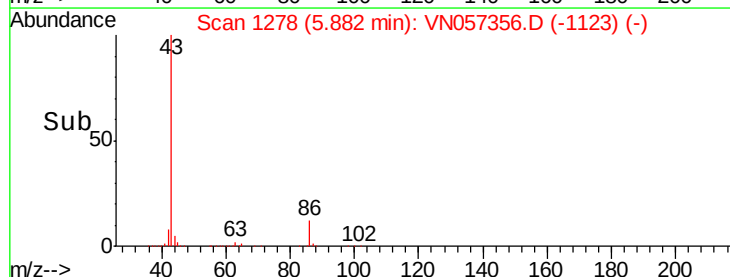
43 100

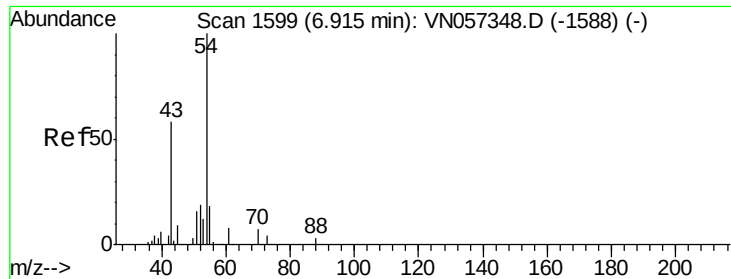
86 10.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

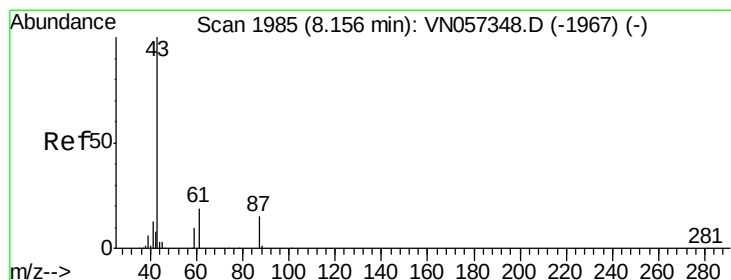
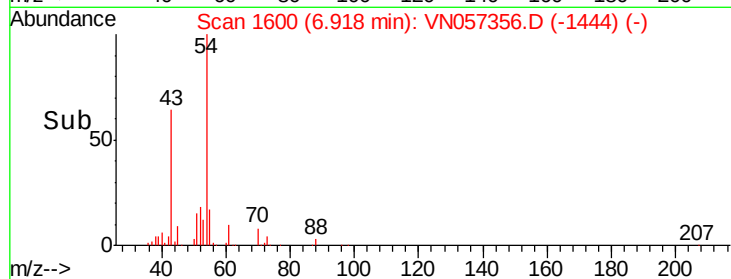
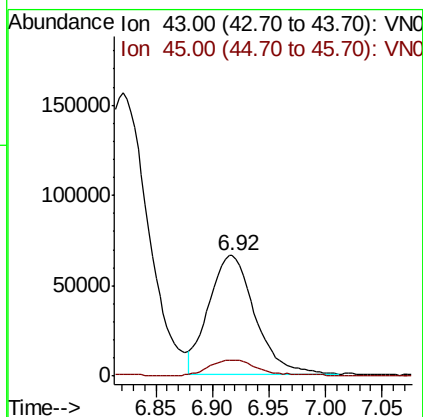
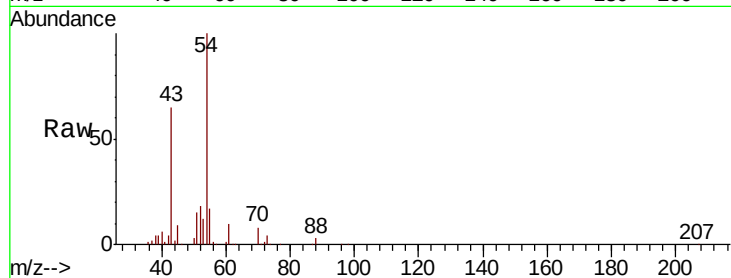




#43
Ethyl Acetate
Concen: 20.443 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

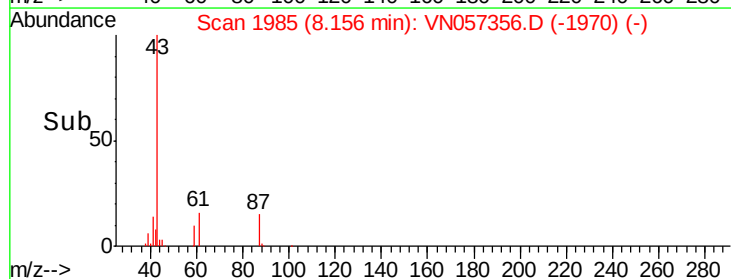
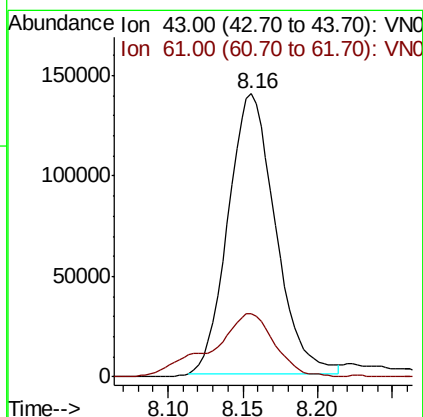
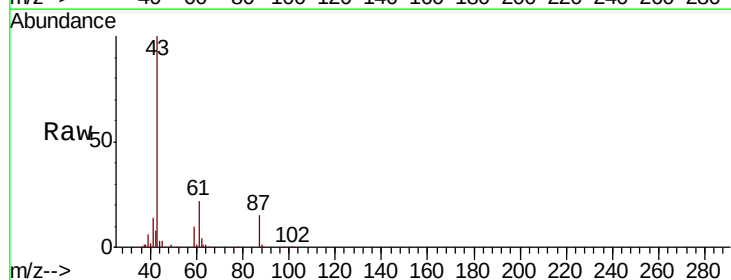
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

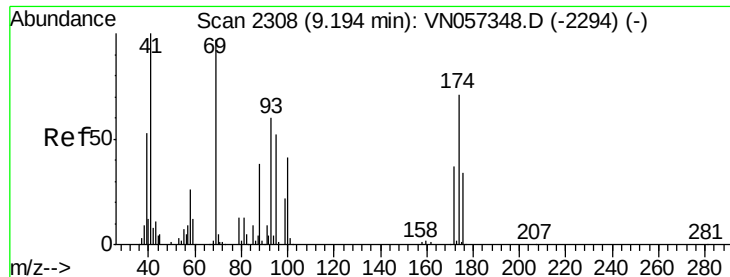
Tgt Ion: 43 Resp: 185696
Ion Ratio Lower Upper
43 100
45 13.1 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.142 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.45 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion: 43 Resp: 305918
Ion Ratio Lower Upper
43 100
61 22.8 22.6 33.8

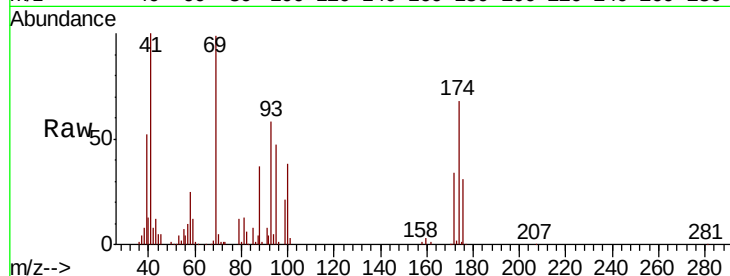




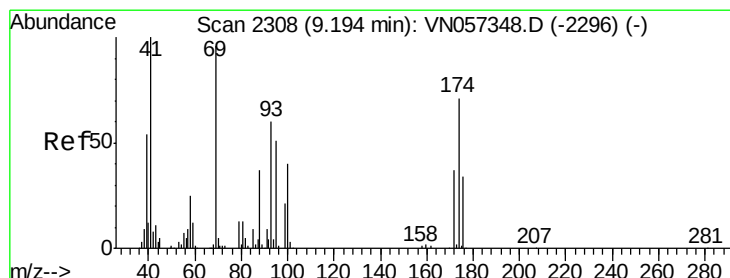
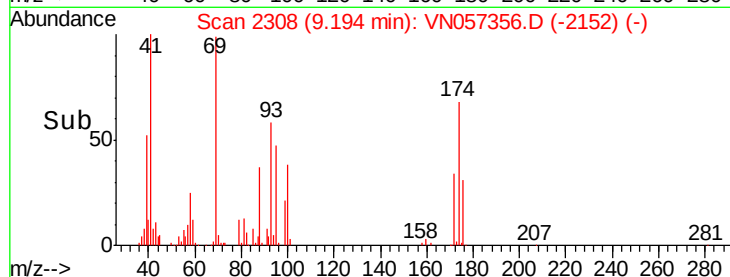
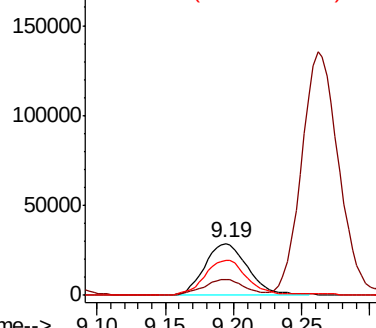
#45
 1,4-Dioxane
 Concen: 421.261 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBSD01

Tgt Ion: 88 Resp: 63474
 Ion Ratio Lower Upper
 88 100
 43 27.9 23.0 34.6
 58 66.0 54.6 81.8

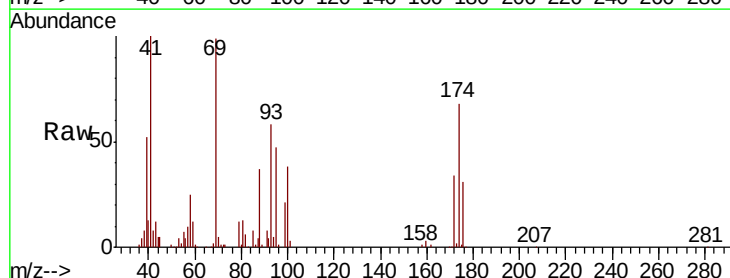


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

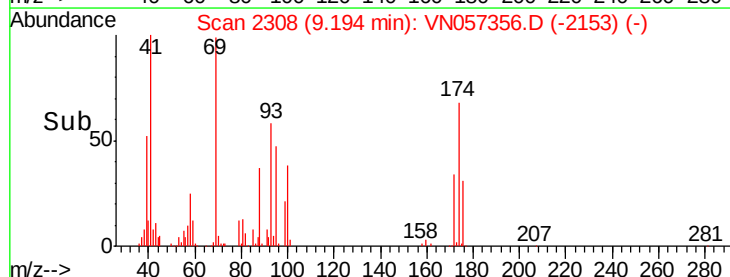
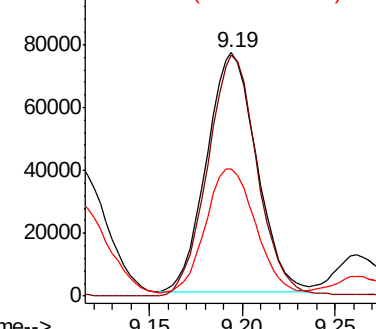


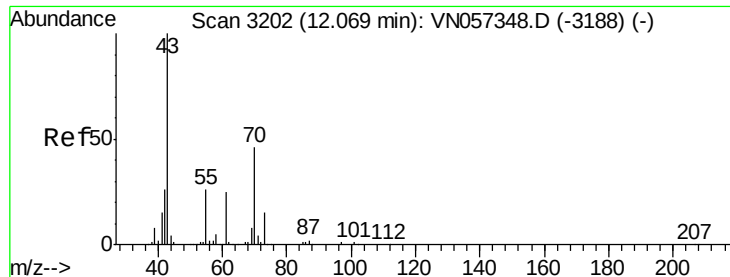
#46
 Methyl methacrylate
 Concen: 19.963 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 41 Resp: 143084
 Ion Ratio Lower Upper
 41 100
 69 100.3 43.0 129.0
 39 51.8 25.1 75.4



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





#47

n-amyl Acetate

Concen: 18.721 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

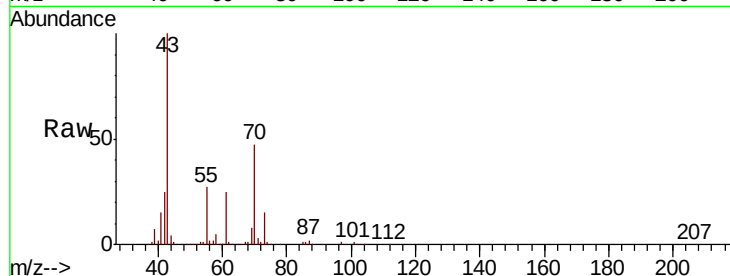
VN0817WBSD01

Tgt Ion: 43 Resp: 221111

Ion Ratio Lower Upper

43 100

55 27.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

150000

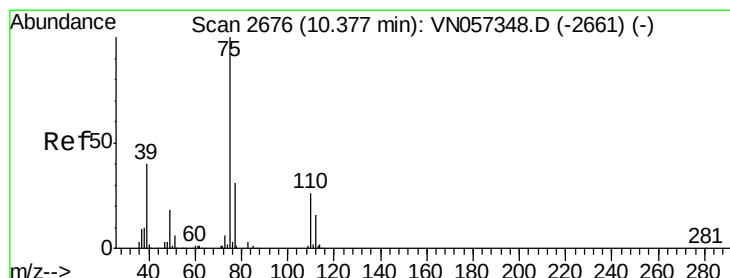
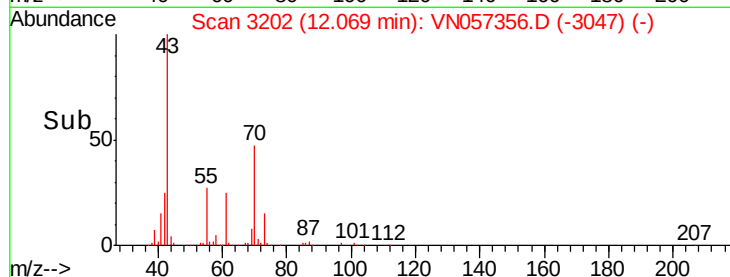
100000

50000

0

12.00 12.05 12.10 12.15

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057356.D

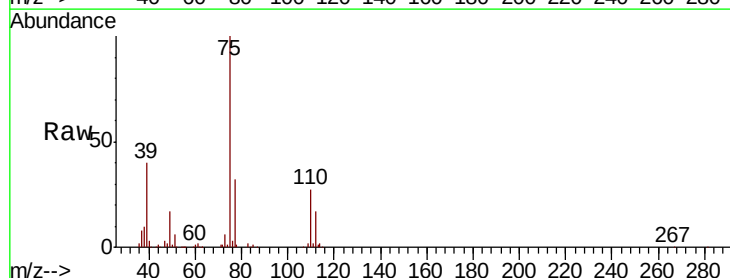
Acq: 16 Aug 2019 15:28

Tgt Ion: 75 Resp: 249460

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

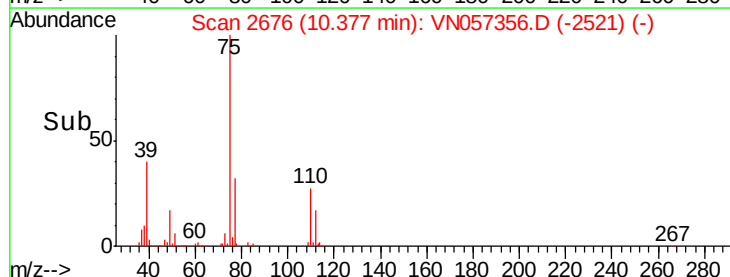
100000

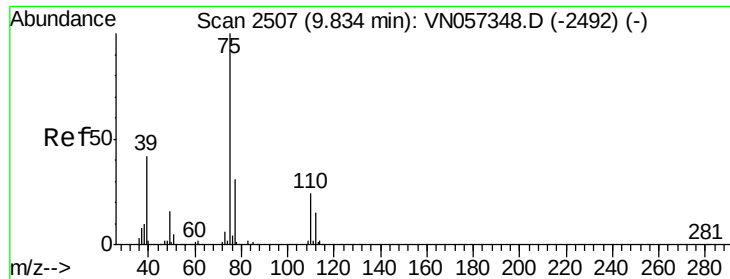
50000

0

10.30 10.35 10.40 10.45

Time-->





#49

cis-1,3-Dichloropropene

Concen: 20.071 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

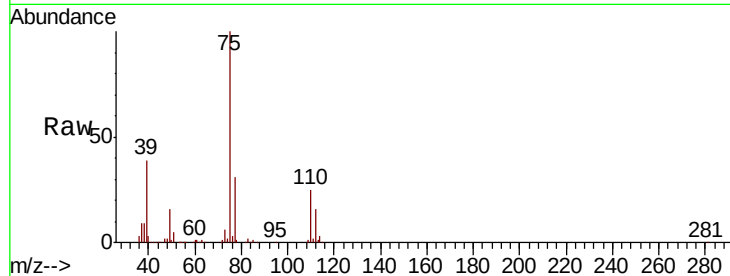
Tgt Ion: 75 Resp: 283549

Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0

39 39.0 36.2 54.4

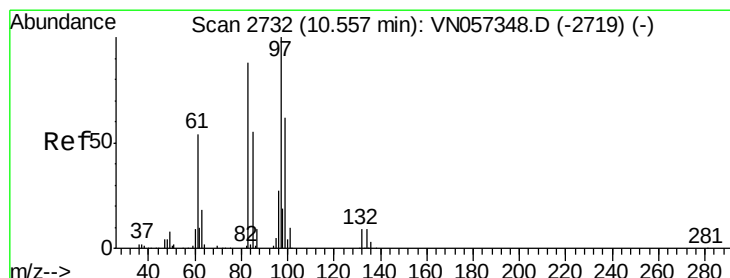
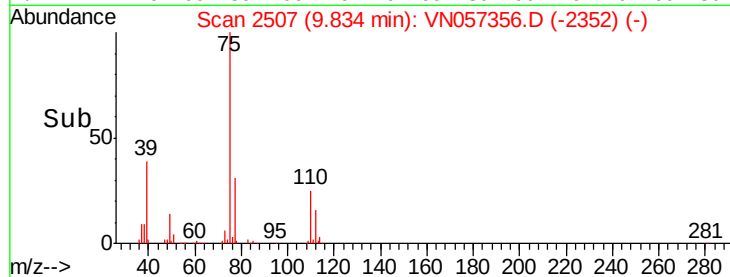
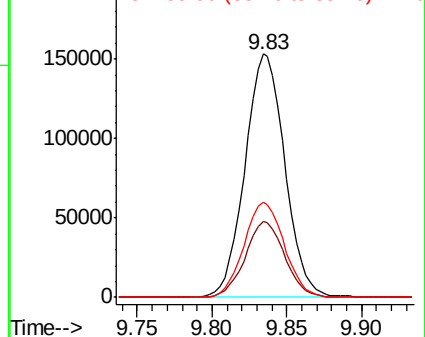


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 20.308 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Tgt Ion: 97 Resp: 171546

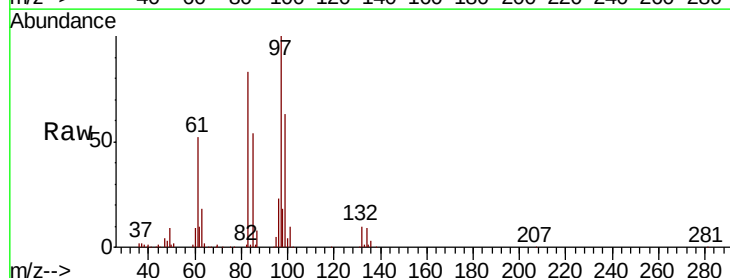
Ion Ratio Lower Upper

97 100

83 83.2 69.2 103.8

85 53.8 45.3 67.9

99 62.4 51.6 77.4



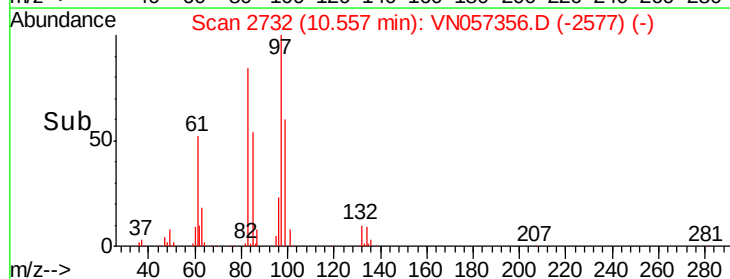
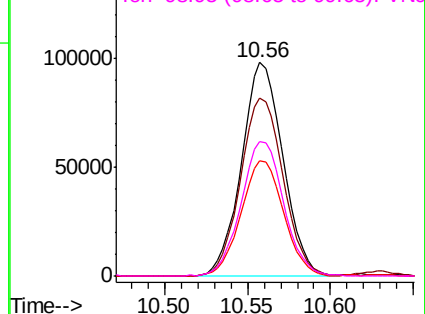
Abundance

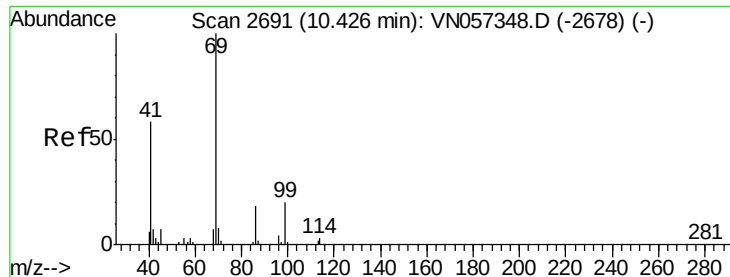
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 20.086 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

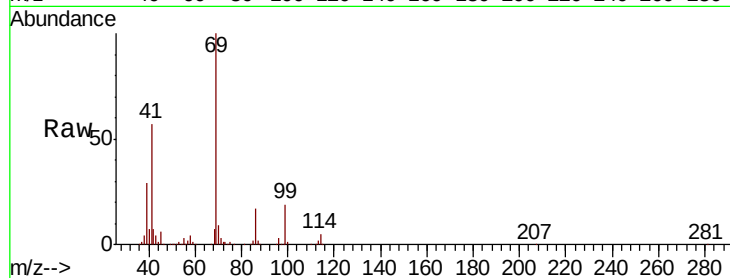
Tgt Ion: 69 Resp: 245960

Ion Ratio Lower Upper

69 100

41 56.6 32.8 98.3

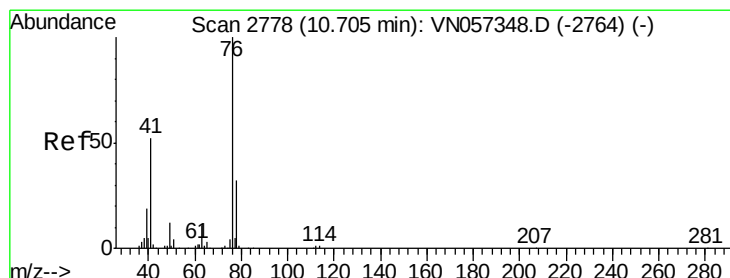
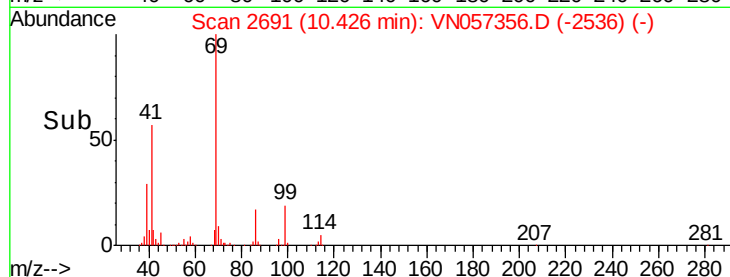
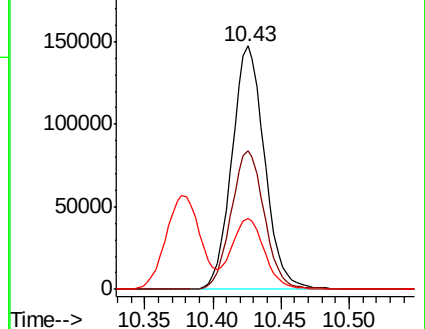
39 28.8 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.432 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057356.D

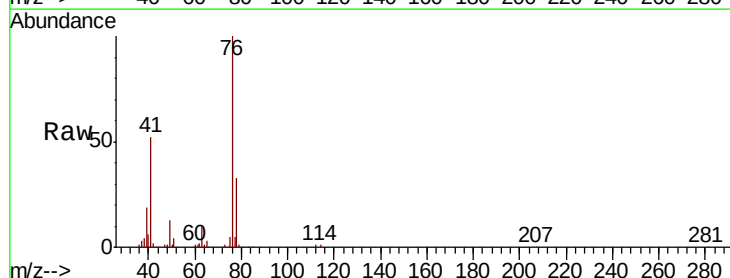
Acq: 16 Aug 2019 15:28

Tgt Ion: 76 Resp: 281874

Ion Ratio Lower Upper

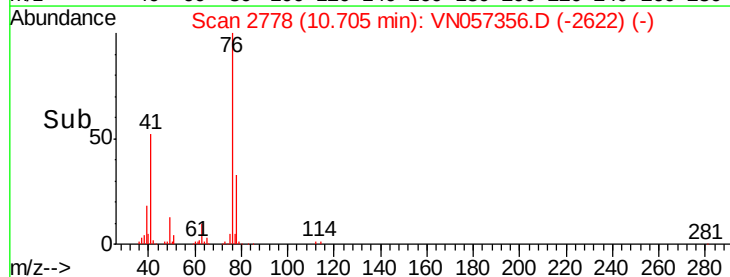
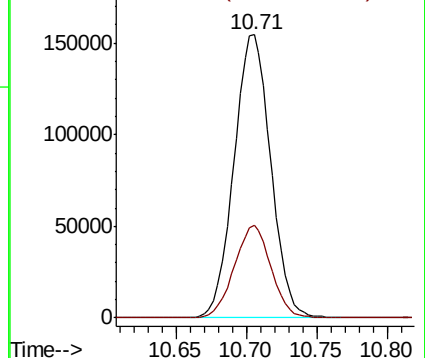
76 100

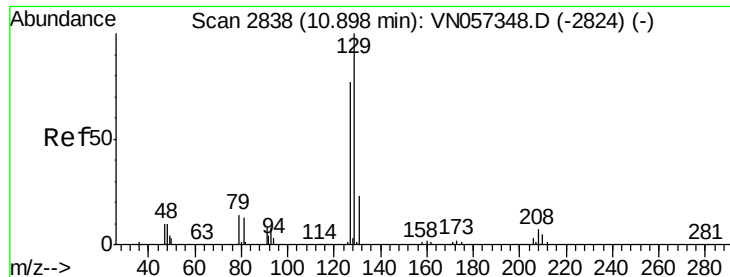
78 32.6 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.913 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

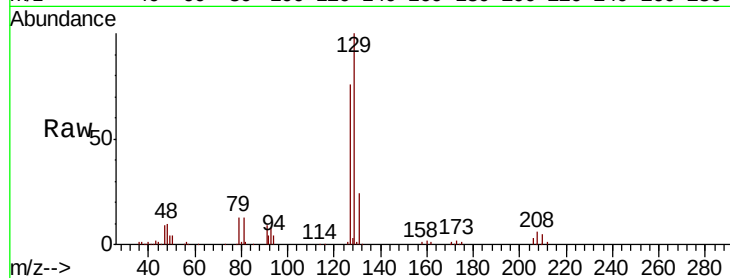
VN0817WBSD01

Tgt Ion:129 Resp: 193529

Ion Ratio Lower Upper

129 100

127 77.4 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

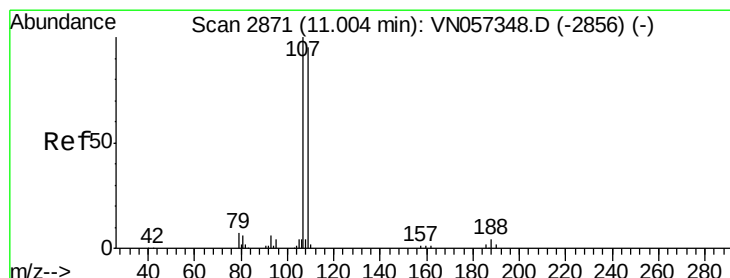
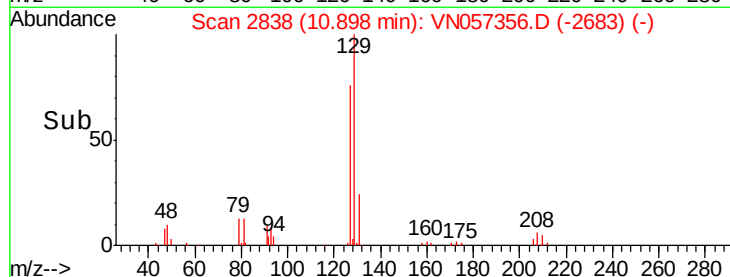
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 20.703 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057356.D

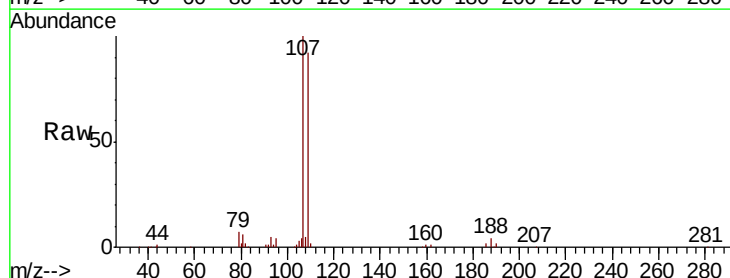
Acq: 16 Aug 2019 15:28

Tgt Ion:107 Resp: 184189

Ion Ratio Lower Upper

107 100

109 93.1 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

120000

100000

80000

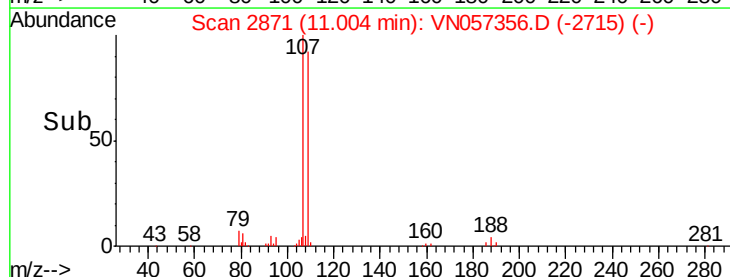
60000

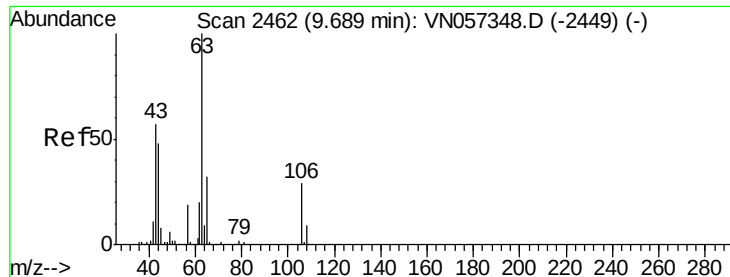
40000

20000

0

Time-->

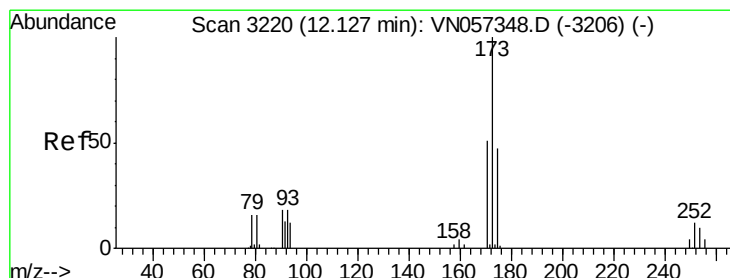
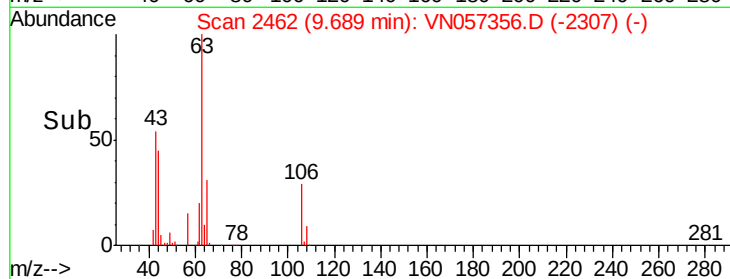
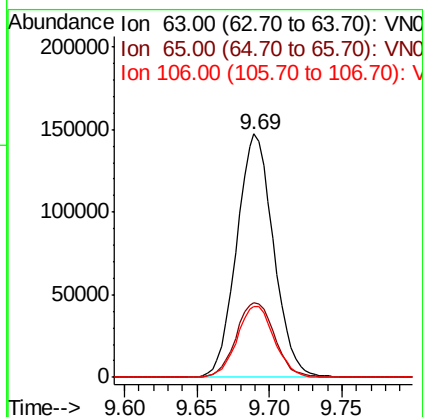
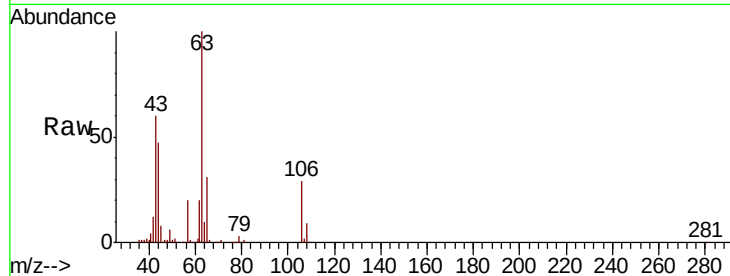




#55
 2-Chloroethyl vinyl ether
 Concen: 91.364 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

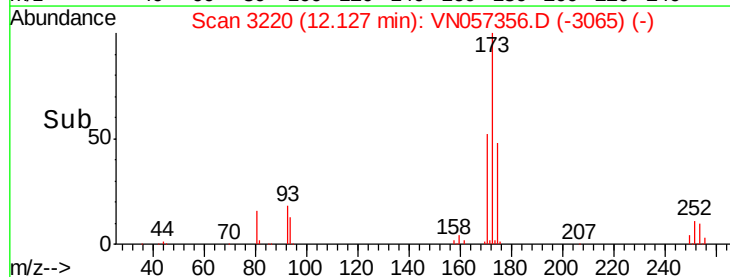
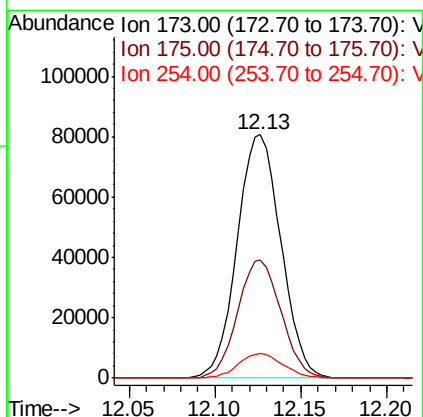
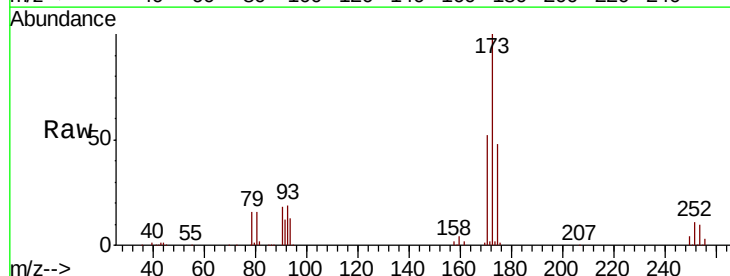
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

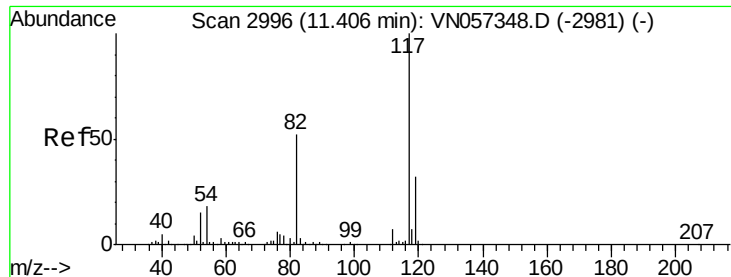
Tgt Ion: 63 Resp: 260436
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8
 106 29.6 21.6 32.4



#56
 Bromoform
 Concen: 19.467 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 173 Resp: 142864
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.7 59.5
 254 10.3 7.8 11.8

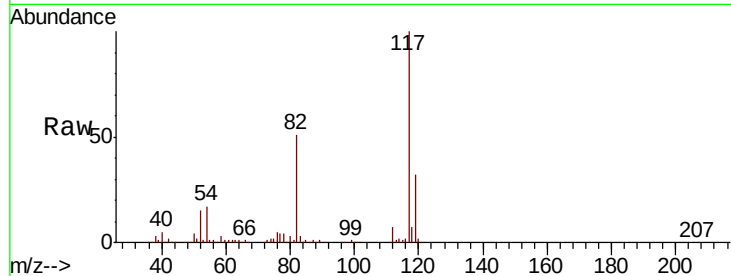




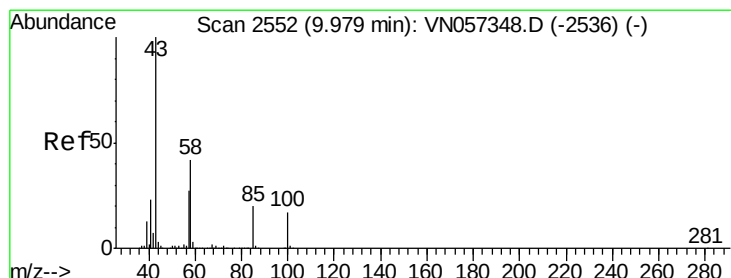
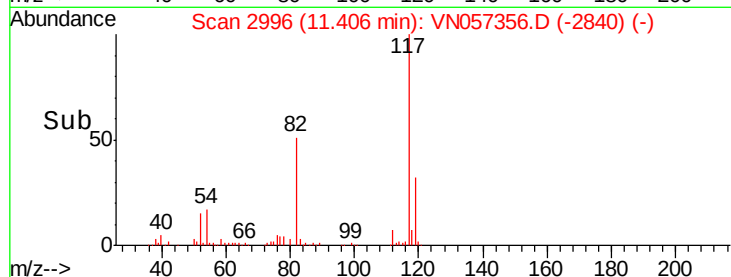
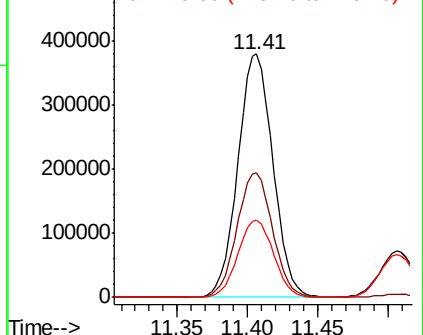
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Instrument :
MSVOA_N
ClientSampled :
VN0817WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.0	64.4
119	32.3	26.0	39.0

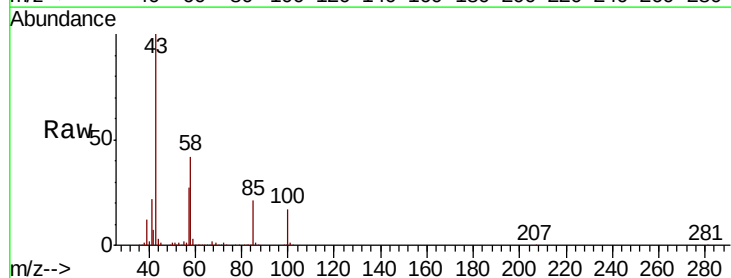


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

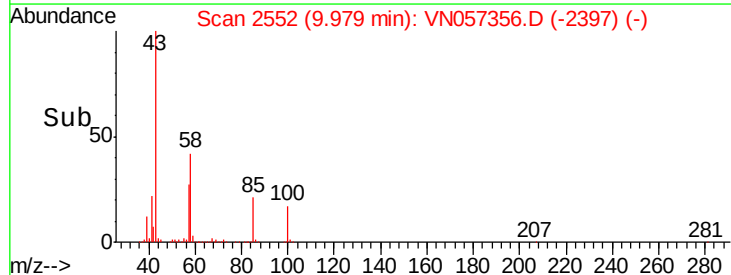
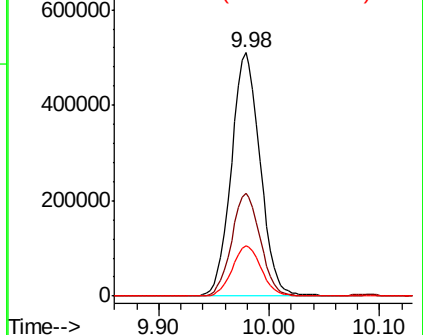


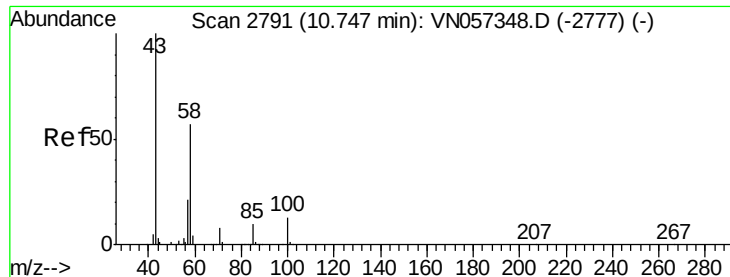
#58
4-Methyl-2-Pentanone
Concen: 106.872 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.2	31.9	47.9
85	20.8	14.2	21.4



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

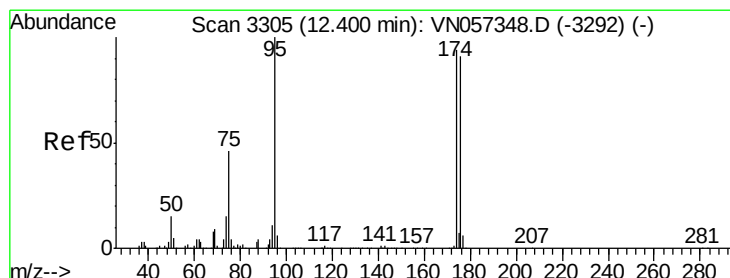
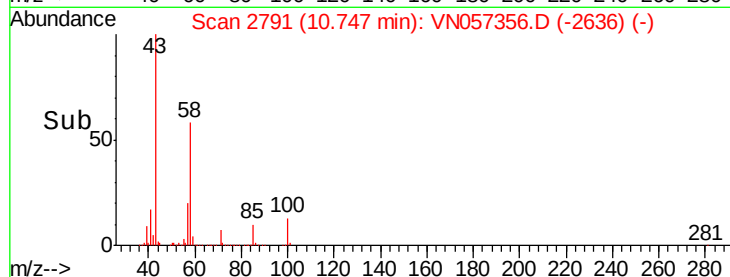
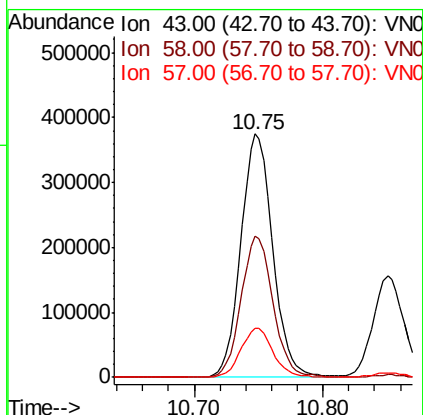
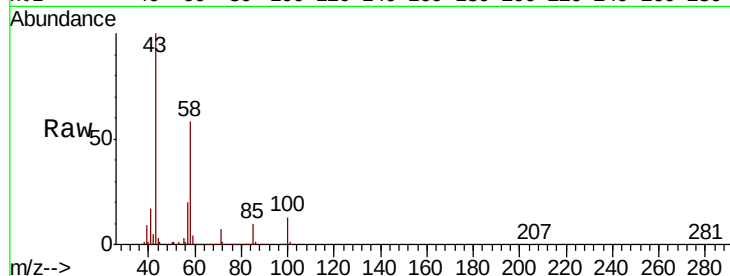




#59
2-Hexanone
Concen: 103.966 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

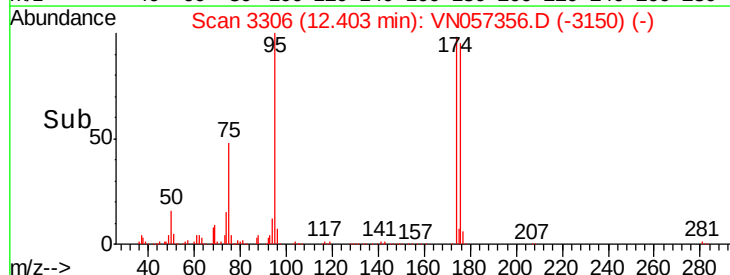
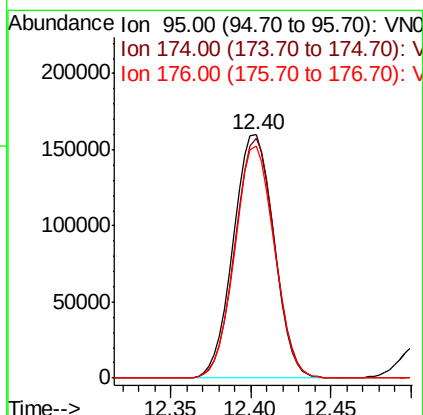
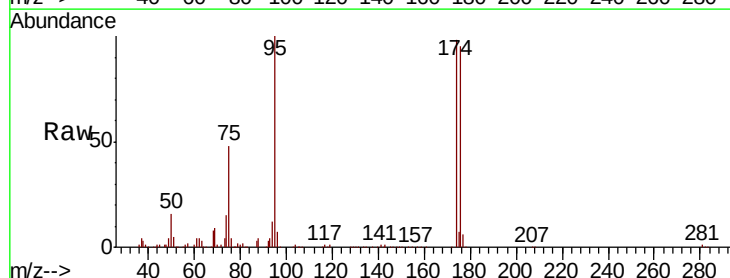
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

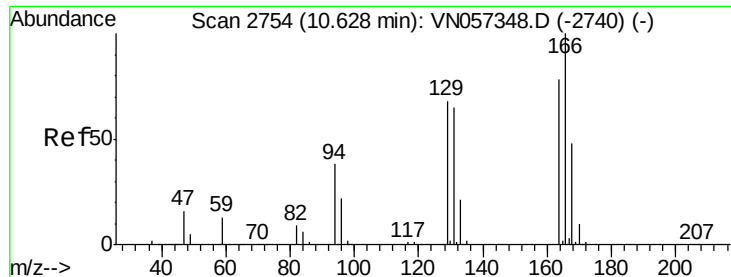
Tgt Ion: 43 Resp: 644153
Ion Ratio Lower Upper
43 100
58 58.1 44.4 66.6
57 20.4 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 28.340 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion: 95 Resp: 276730
Ion Ratio Lower Upper
95 100
174 95.5 72.6 108.8
176 92.8 71.0 106.6





#61

Tetrachloroethene

Concen: 21.003 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

Tgt Ion:164 Resp: 204135

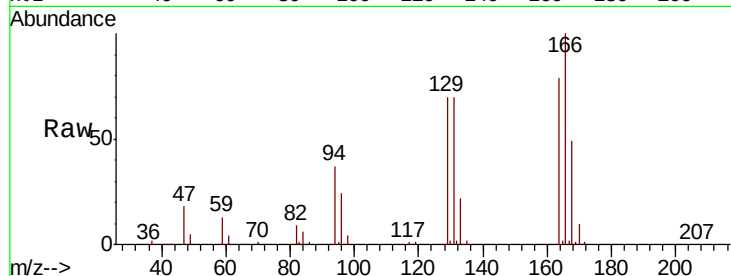
Ion Ratio Lower Upper

164 100

166 127.3 102.3 153.5

129 88.8 72.6 108.8

131 89.2 71.4 107.2

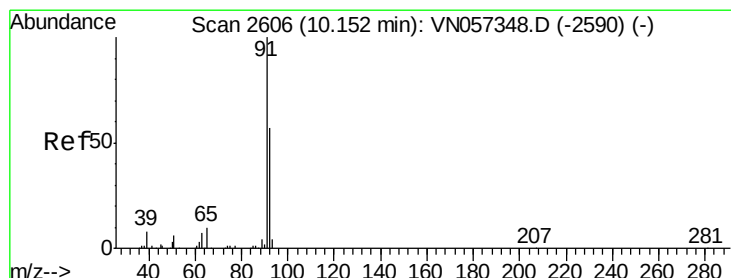
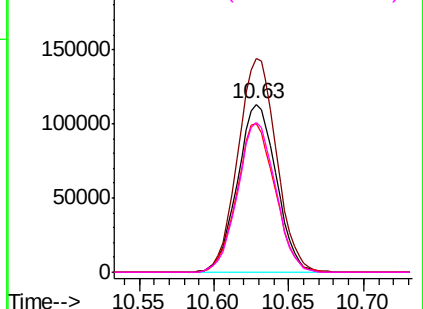
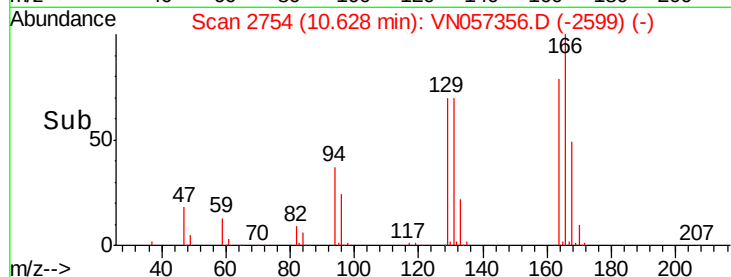


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.793 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057356.D

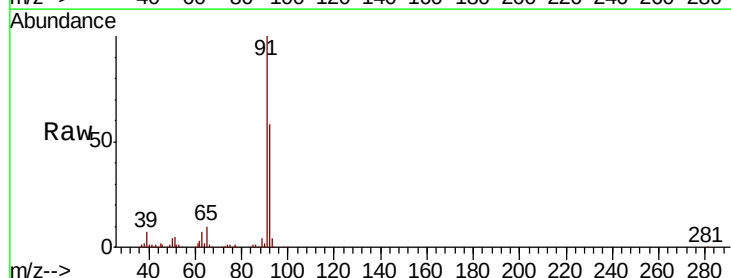
Acq: 16 Aug 2019 15:28

Tgt Ion: 91 Resp: 760521

Ion Ratio Lower Upper

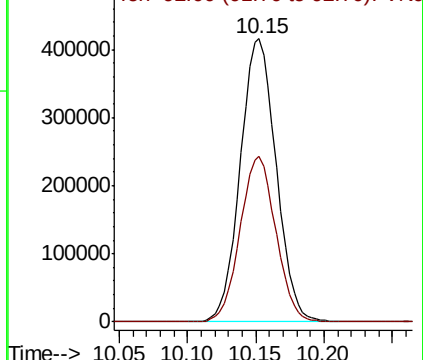
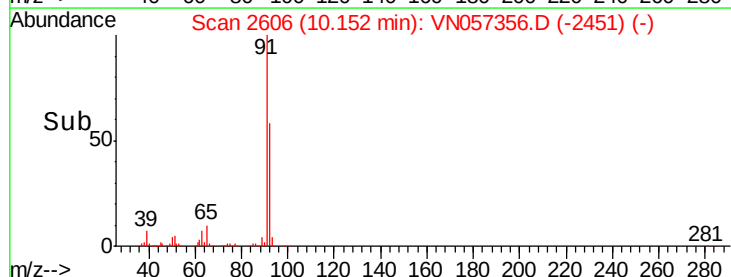
91 100

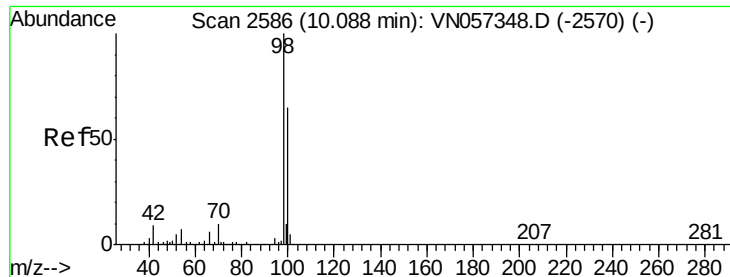
92 58.0 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.524 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

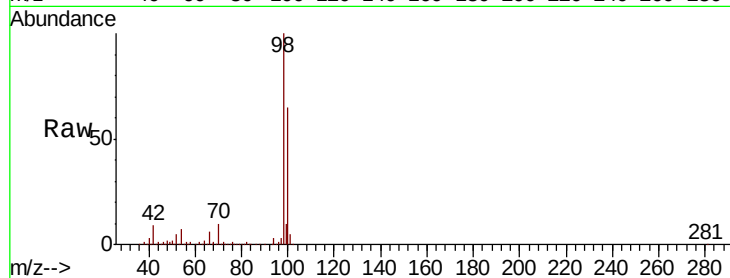
VN0817WBSD01

Tgt Ion: 98 Resp: 912974

Ion Ratio Lower Upper

98 100

100 64.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN057348.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057356.D (-2430) (-)

10.09

500000

400000

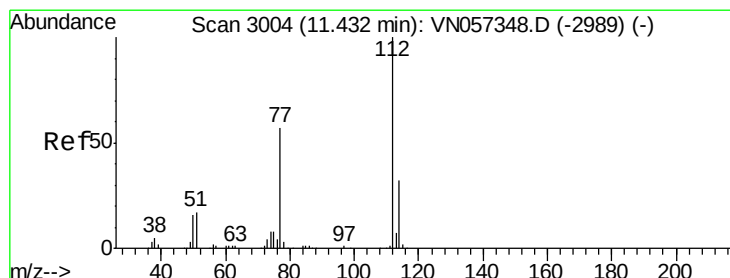
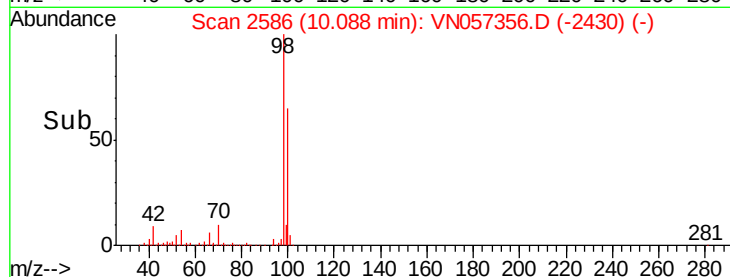
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.502 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057356.D

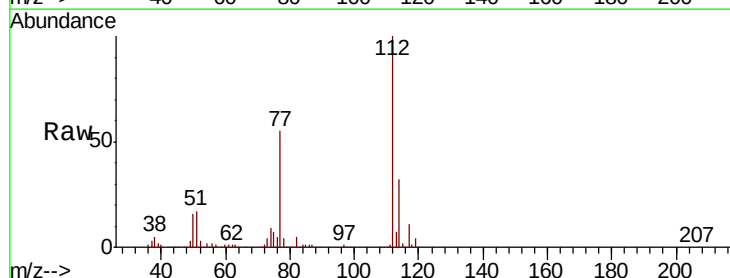
Acq: 16 Aug 2019 15:28

Tgt Ion: 112 Resp: 471071

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN057348.D (-2989) (-)

Ion 114.00 (113.70 to 114.70): VN057356.D (-2848) (-)

11.43

300000

250000

200000

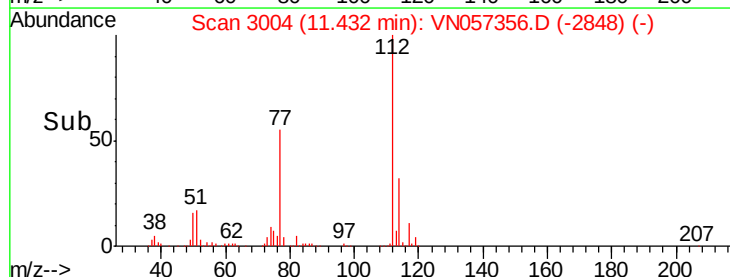
150000

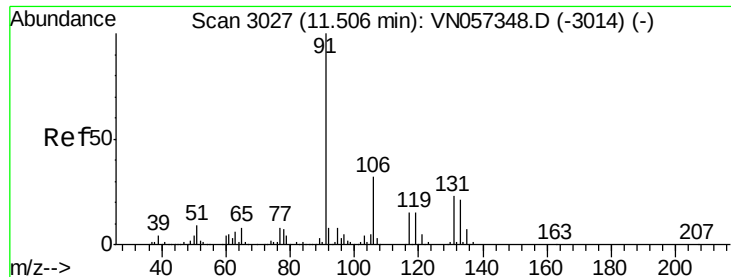
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.958 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

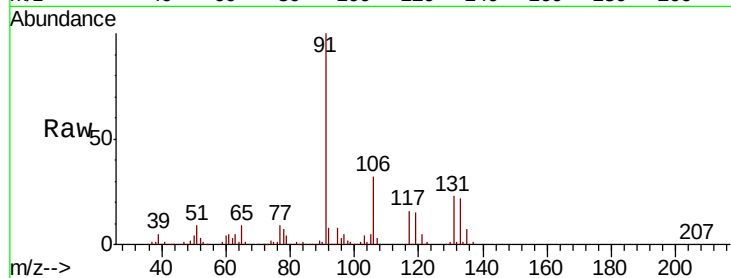
Tgt Ion:131 Resp: 187178

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.4

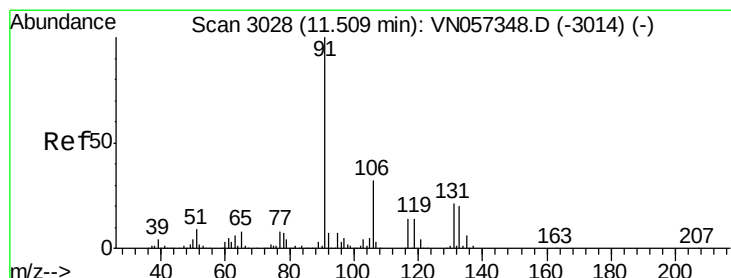
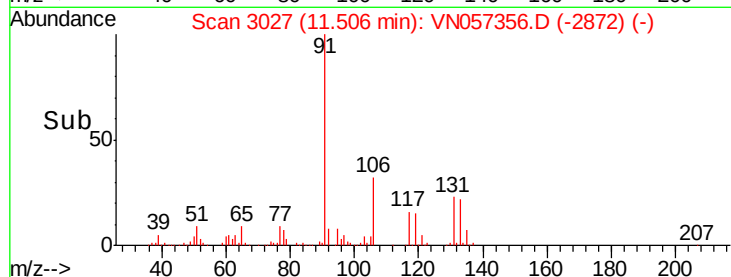
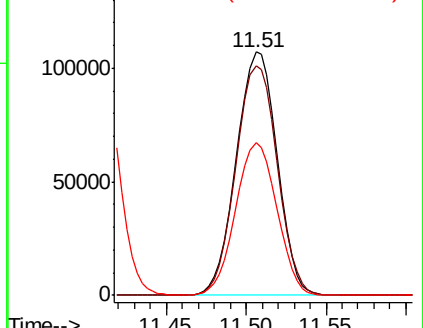
119 63.4 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.111 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057356.D

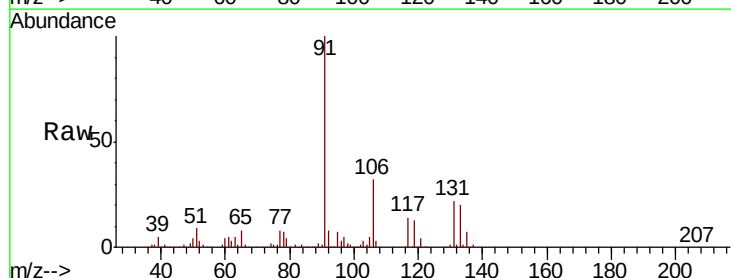
Acq: 16 Aug 2019 15:28

Tgt Ion: 91 Resp: 803647

Ion Ratio Lower Upper

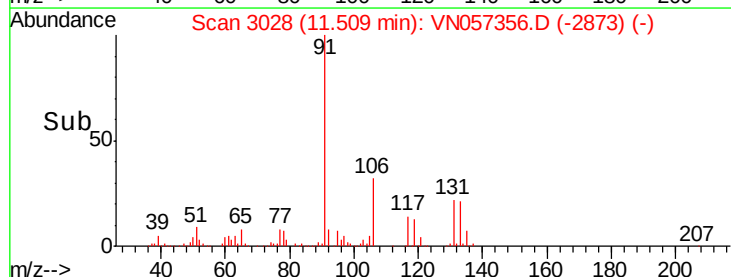
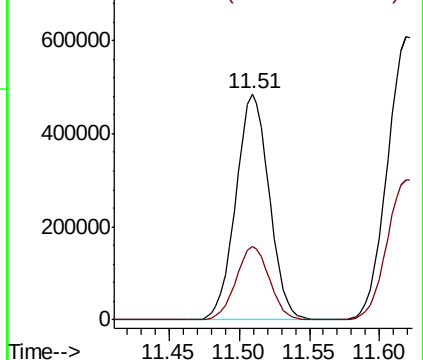
91 100

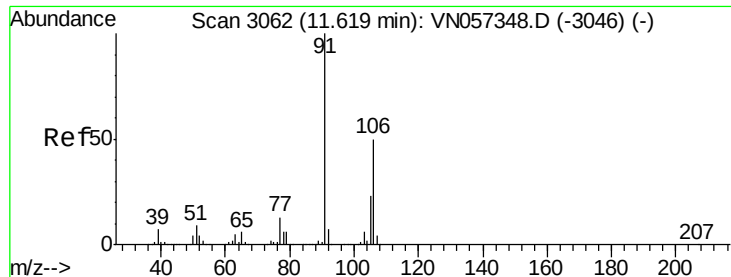
106 32.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.204 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

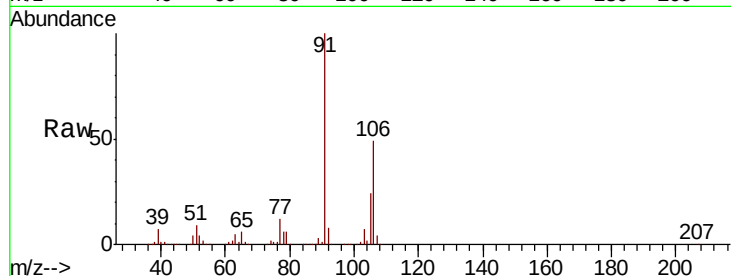
VN0817WBSD01

Tgt Ion:106 Resp: 601291

Ion Ratio Lower Upper

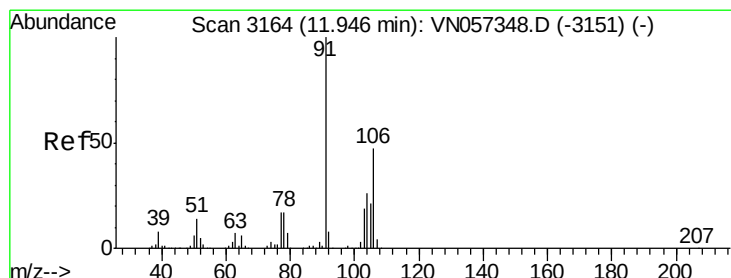
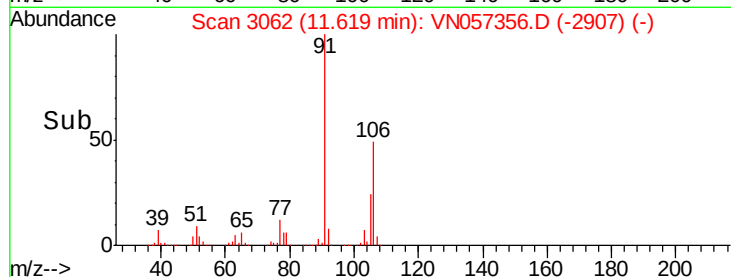
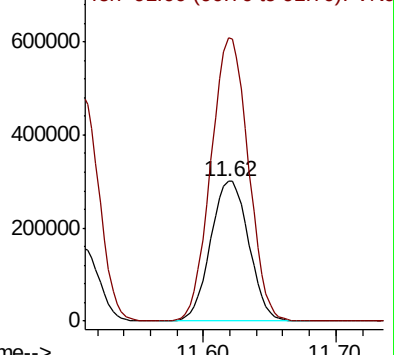
106 100

91 198.2 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.376 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057356.D

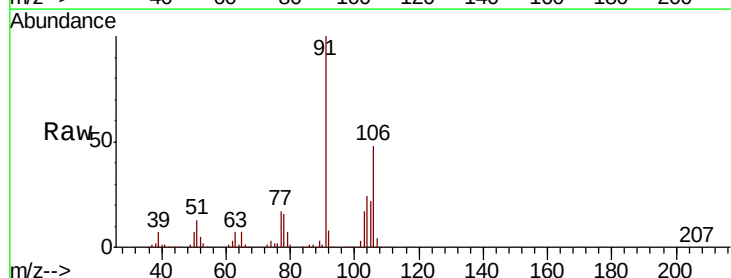
Acq: 16 Aug 2019 15:28

Tgt Ion:106 Resp: 297923

Ion Ratio Lower Upper

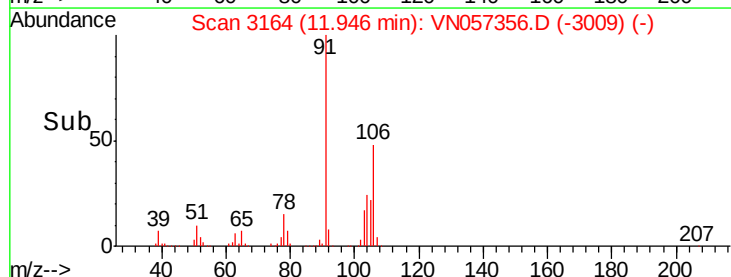
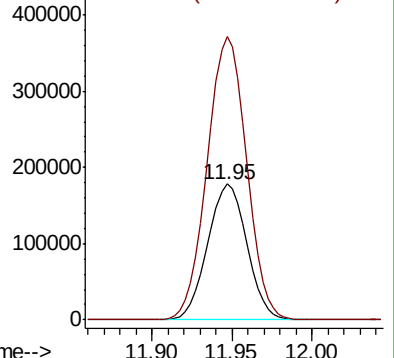
106 100

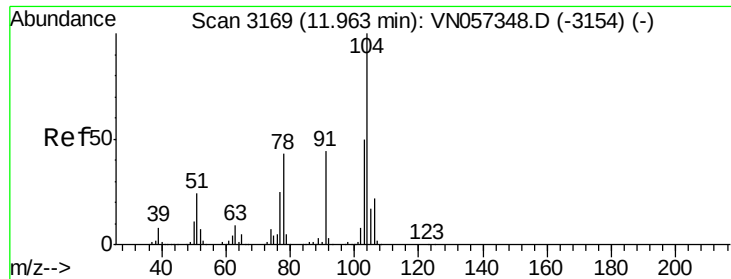
91 209.6 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

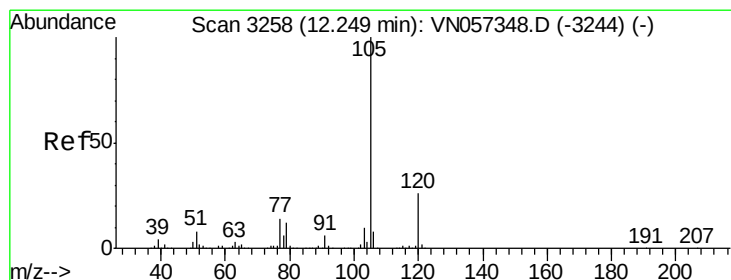
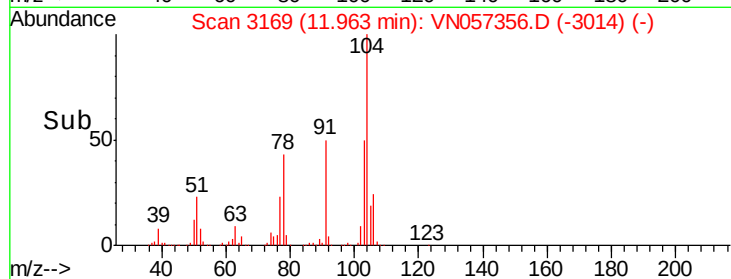
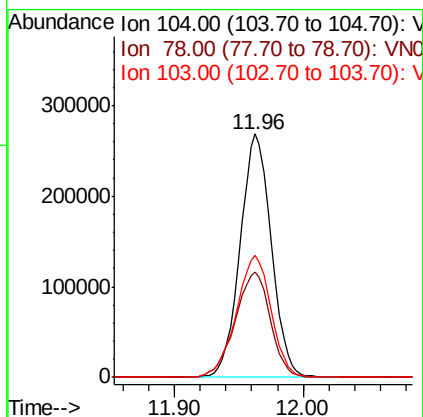
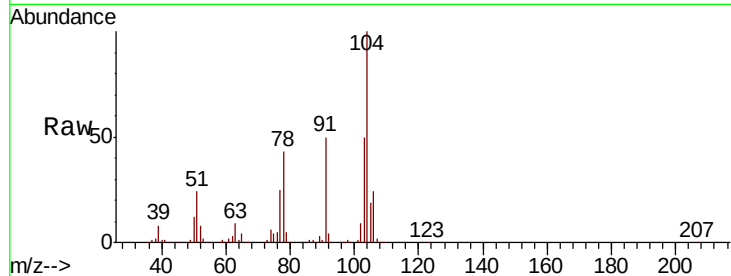




#69
Styrene
 Concen: 19.241 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

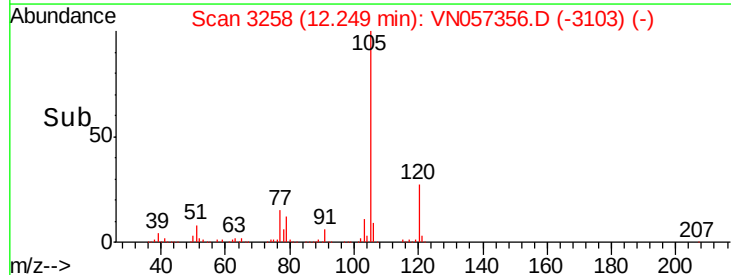
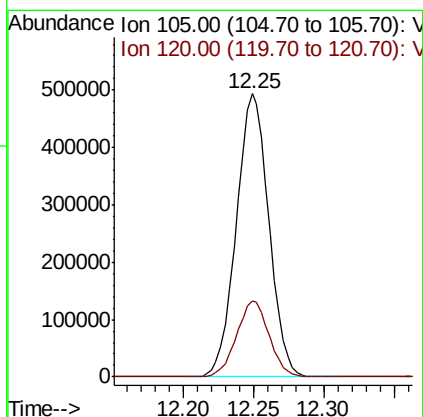
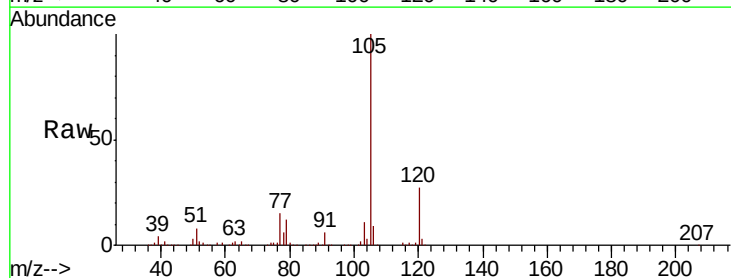
Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBSD01

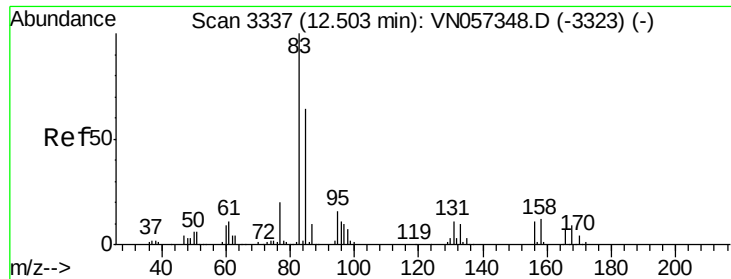
Tgt Ion:104 Resp: 451954
 Ion Ratio Lower Upper
 104 100
 78 48.5 38.7 58.1
 103 55.7 45.0 67.4



#70
Isopropylbenzene
 Concen: 20.318 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion:105 Resp: 796411
 Ion Ratio Lower Upper
 105 100
 120 26.7 18.6 34.5

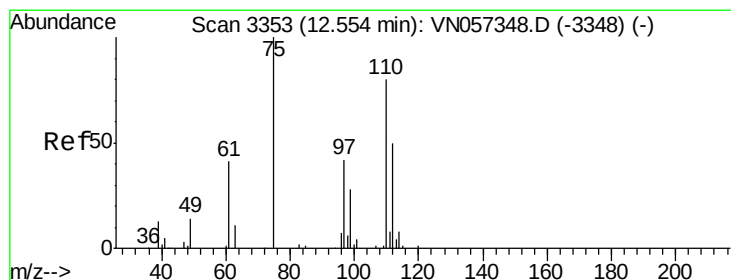
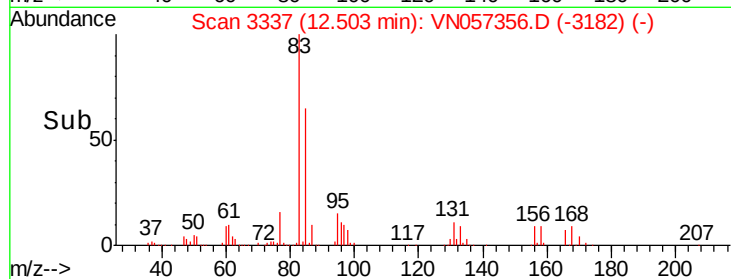
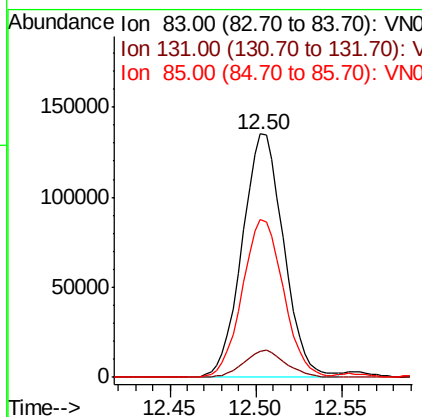
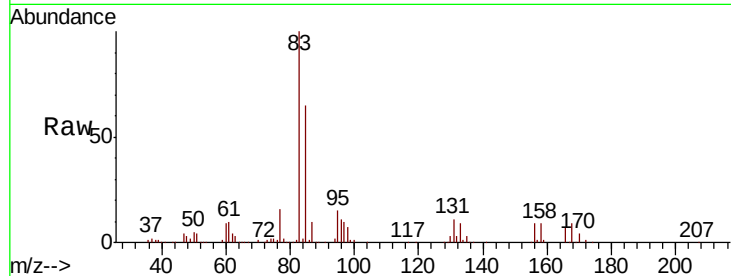




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.077 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

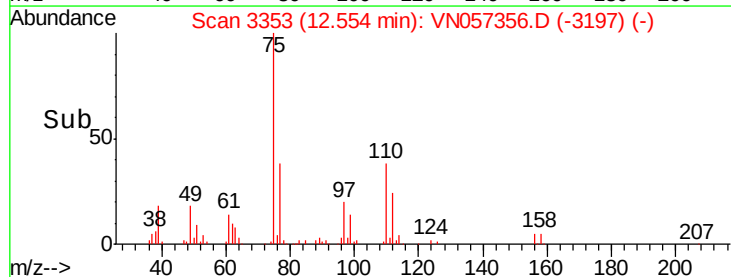
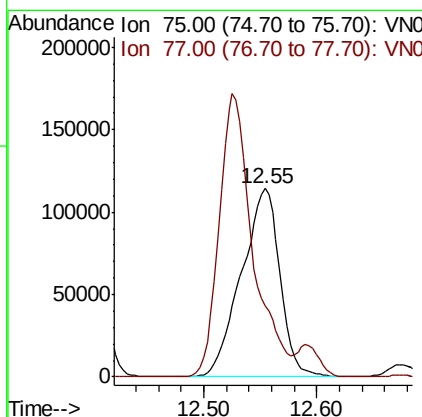
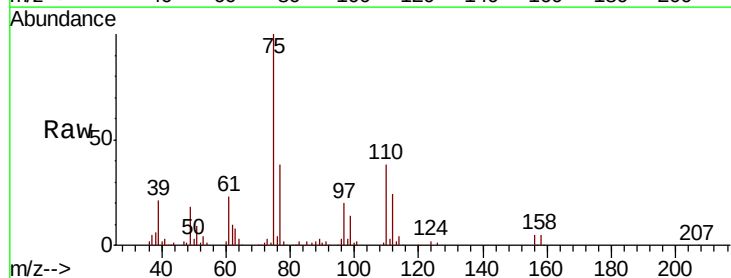
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

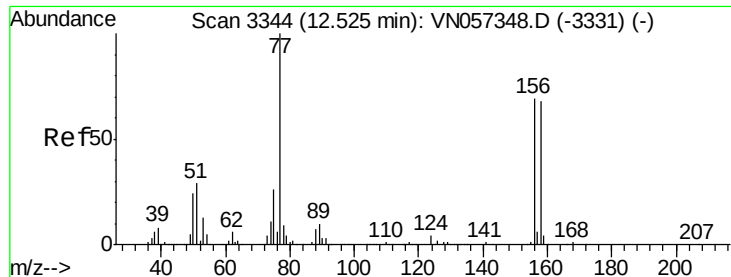
Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.1	15.3
85	64.2	31.9	95.7



#72
 1,2,3-Trichloropropane
 Concen: 29.978 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	130.6	0.0	352.2





#73

Bromobenzene

Concen: 19.225 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

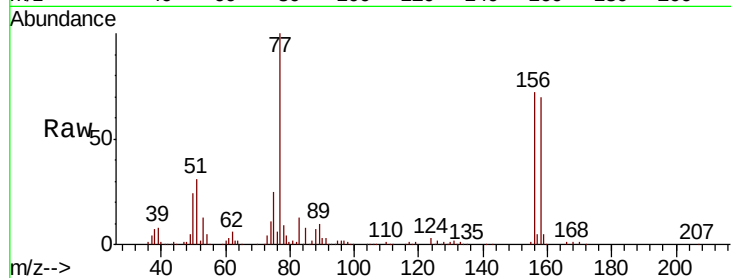
Tgt Ion:156 Resp: 199693

Ion Ratio Lower Upper

156 100

77 177.7 0.0 381.8

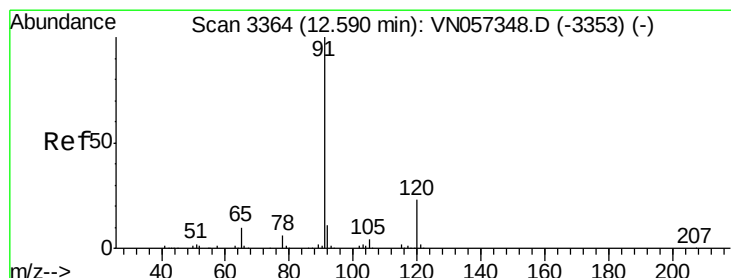
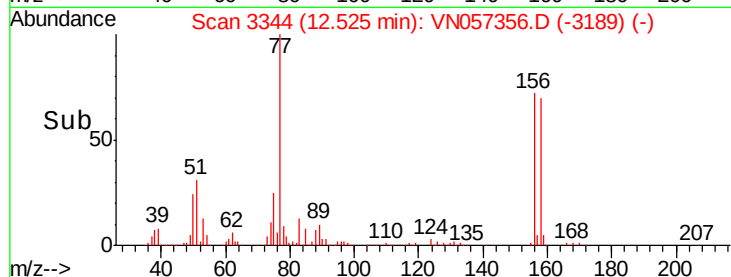
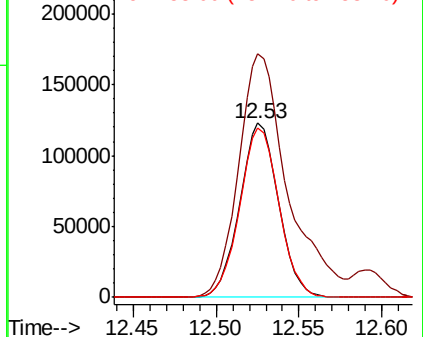
158 98.7 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.724 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057356.D

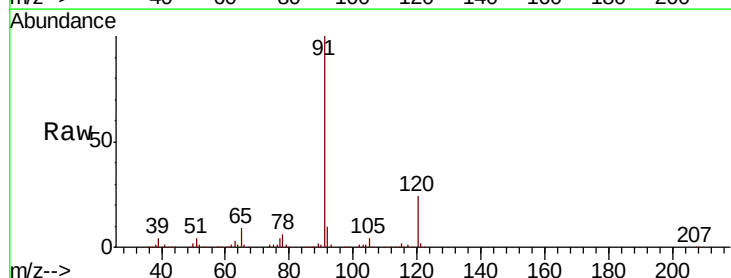
Acq: 16 Aug 2019 15:28

Tgt Ion: 91 Resp: 762340

Ion Ratio Lower Upper

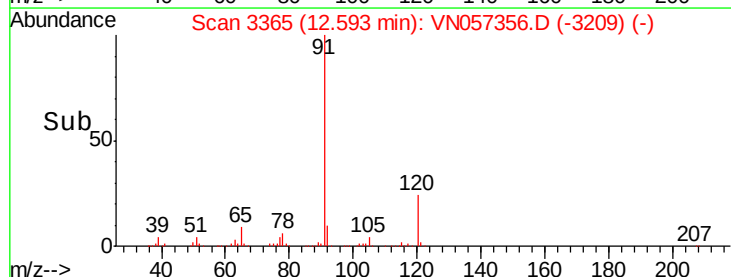
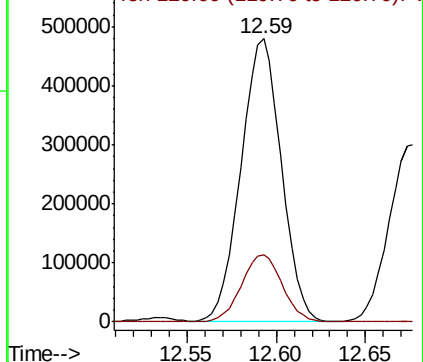
91 100

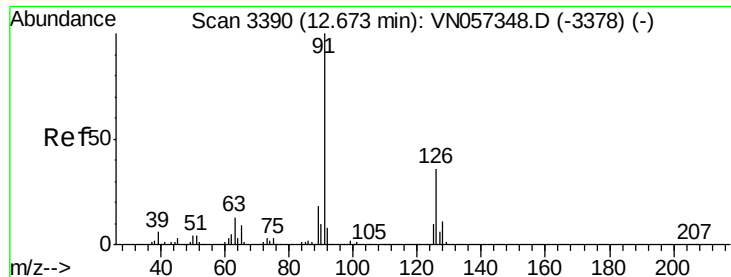
120 24.0 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.693 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

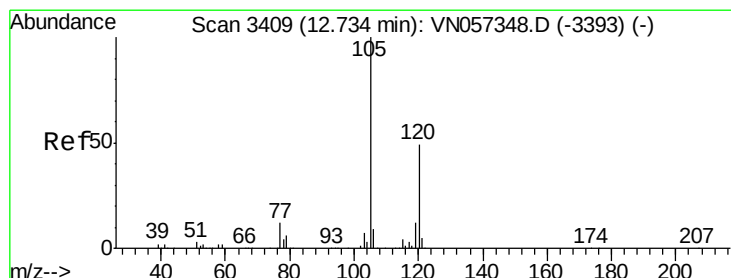
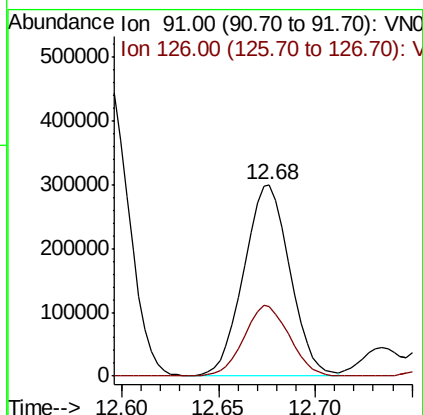
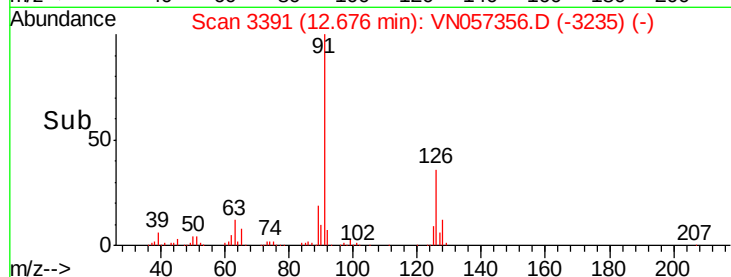
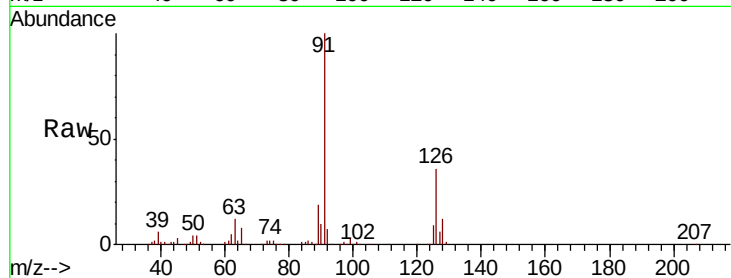
VN0817WBSD01

Tgt Ion: 91 Resp: 497566

Ion Ratio Lower Upper

91 100

126 36.3 0.0 69.8



#76

1,3,5-Trimethylbenzene

Concen: 19.540 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057356.D

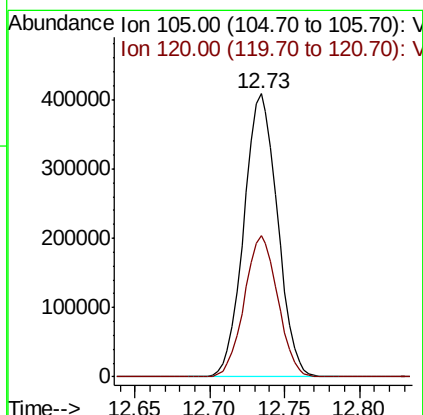
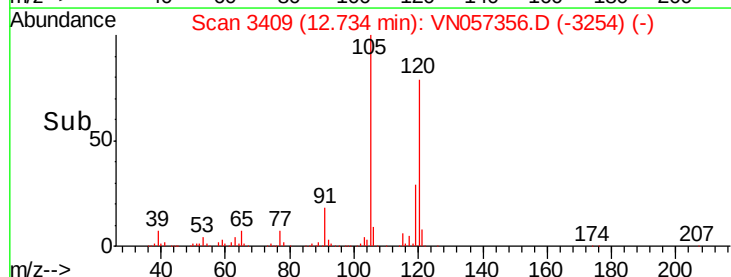
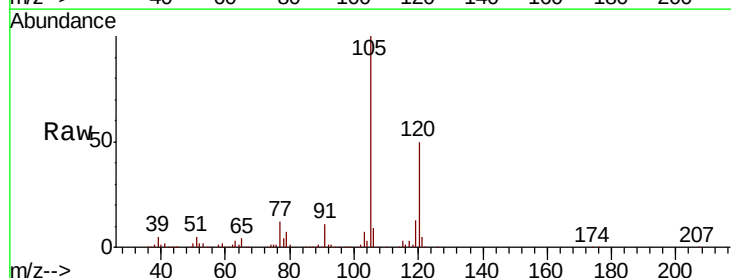
Acq: 16 Aug 2019 15:28

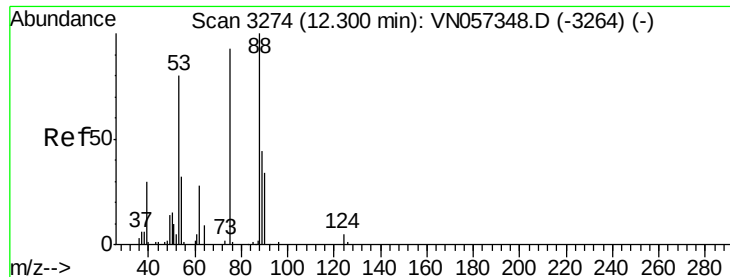
Tgt Ion: 105 Resp: 637036

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 19.214 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

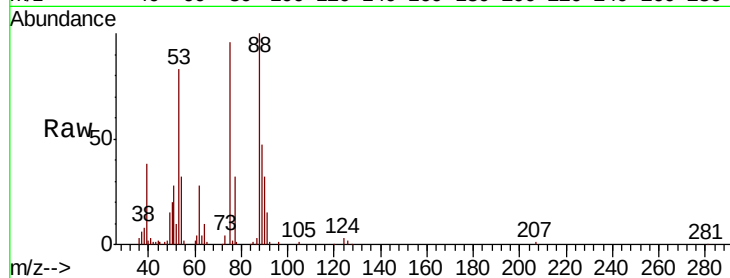
Tgt Ion: 75 Resp: 66808

Ion Ratio Lower Upper

75 100

53 86.0 48.6 145.8

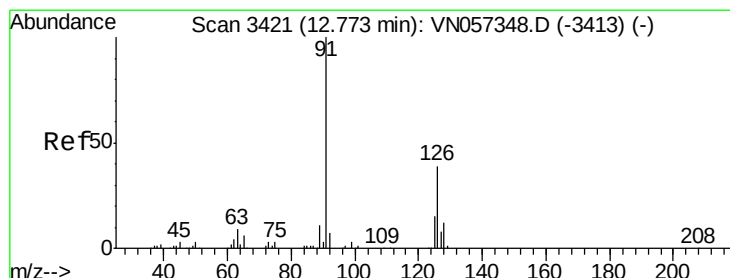
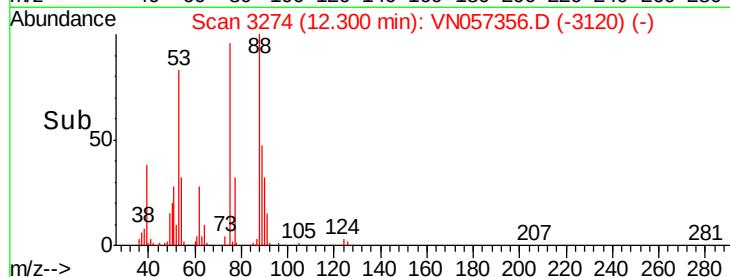
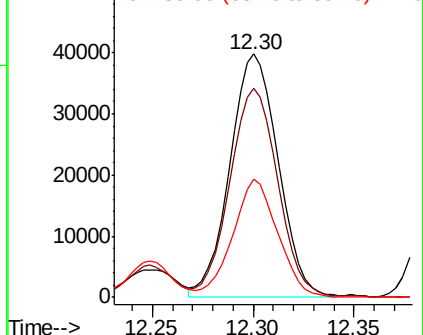
89 49.1 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.272 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057356.D

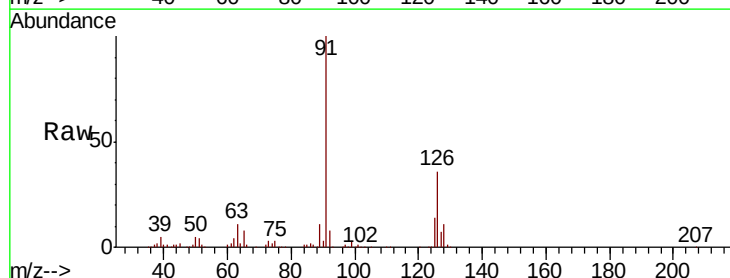
Acq: 16 Aug 2019 15:28

Tgt Ion: 91 Resp: 431944

Ion Ratio Lower Upper

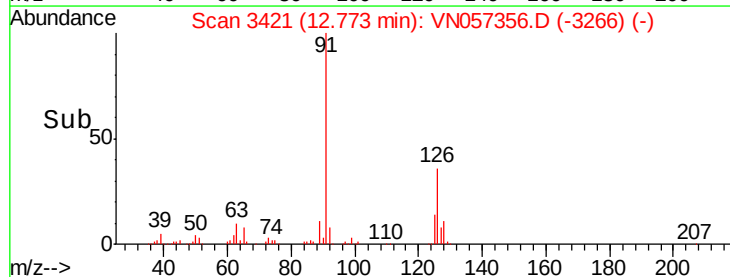
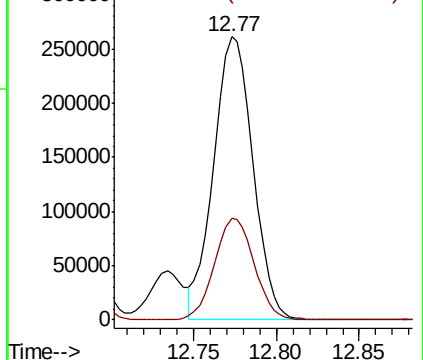
91 100

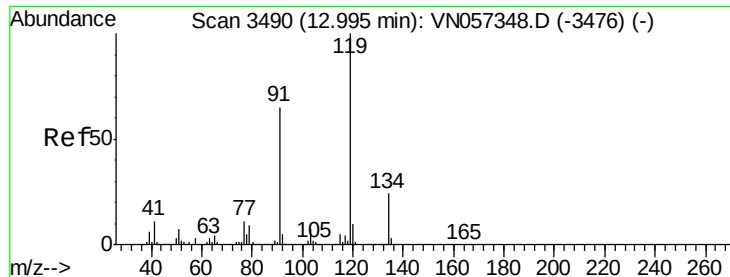
126 36.2 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

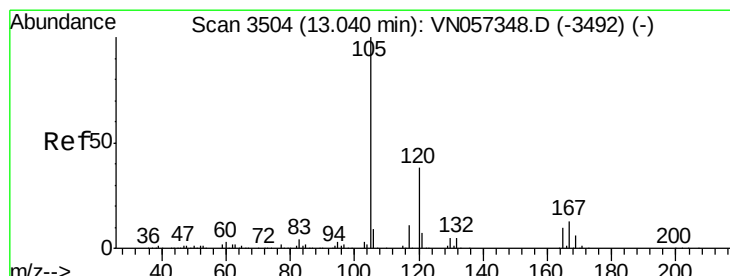
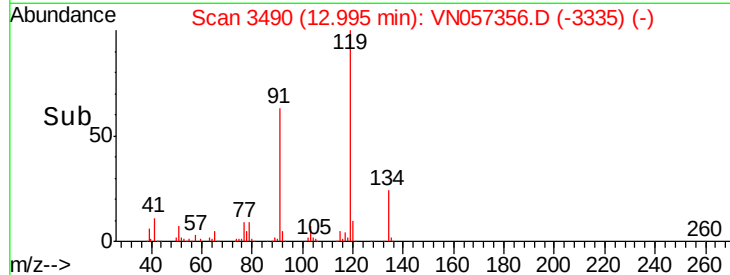
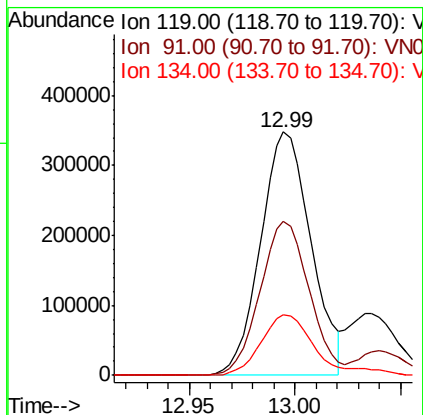
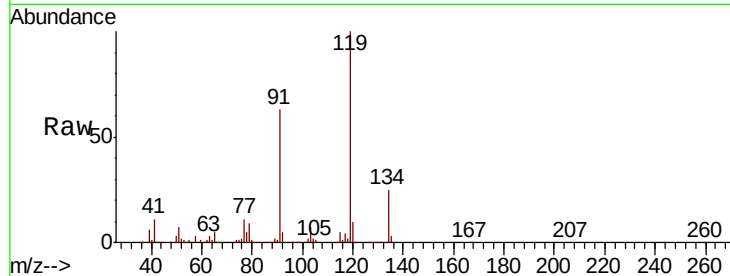




#79
 tert-butylbenzene
 Concen: 19.901 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

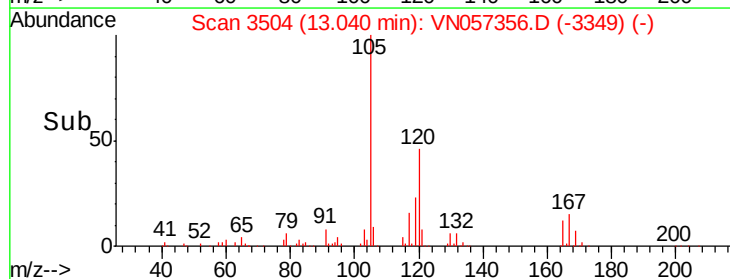
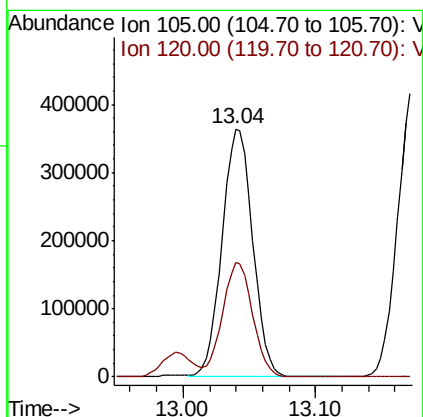
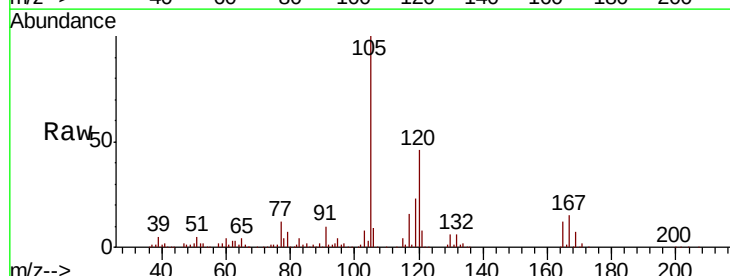
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

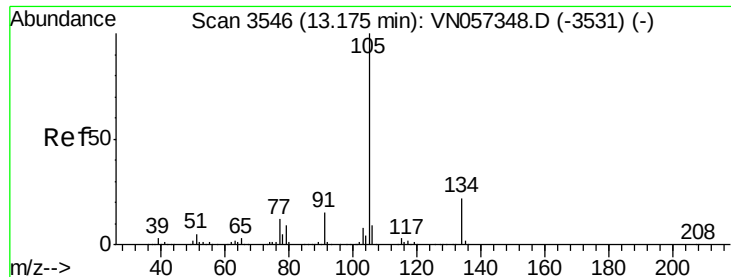
Tgt Ion:119 Resp: 578145
 Ion Ratio Lower Upper
 119 100
 91 61.8 0.0 125.4
 134 24.9 0.0 48.4



#80
 1,2,4-Trimethylbenzene
 Concen: 18.997 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion:105 Resp: 584171
 Ion Ratio Lower Upper
 105 100
 120 45.5 0.0 91.2





#81

sec-Butylbenzene

Concen: 18.871 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

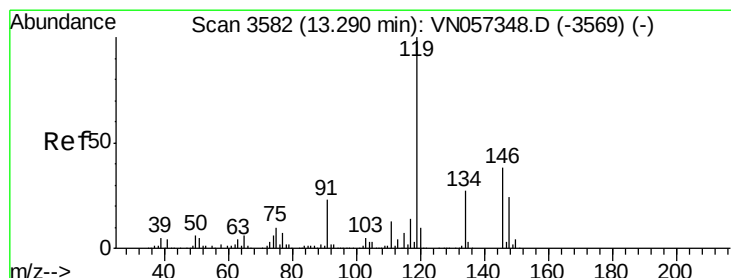
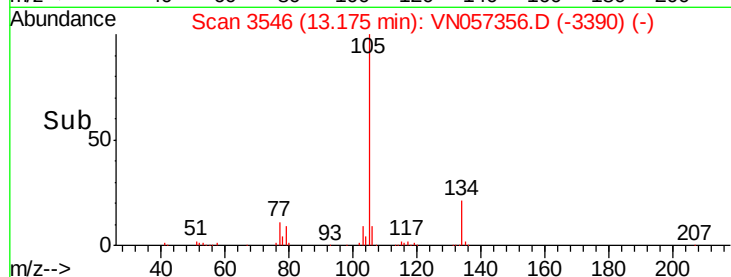
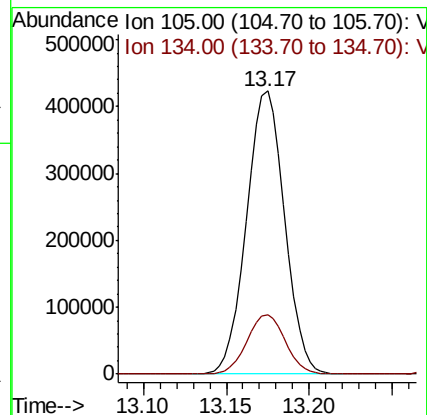
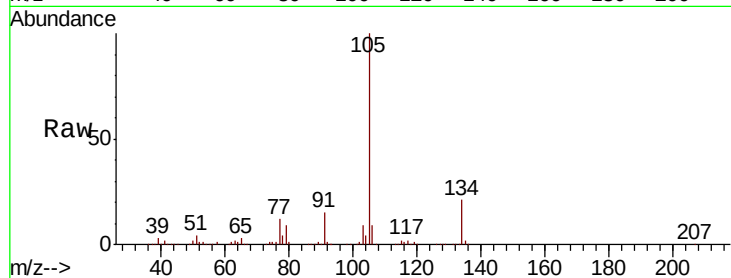
VN0817WBSD01

Tgt Ion:105 Resp: 675798

Ion Ratio Lower Upper

105 100

134 21.0 0.0 40.8



#82

p-Isopropyltoluene

Concen: 17.884 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

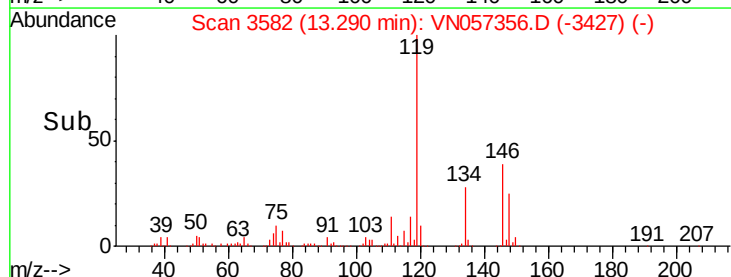
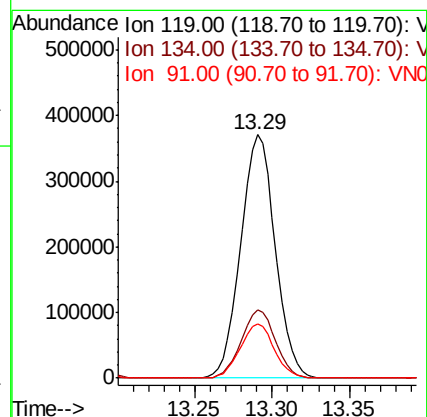
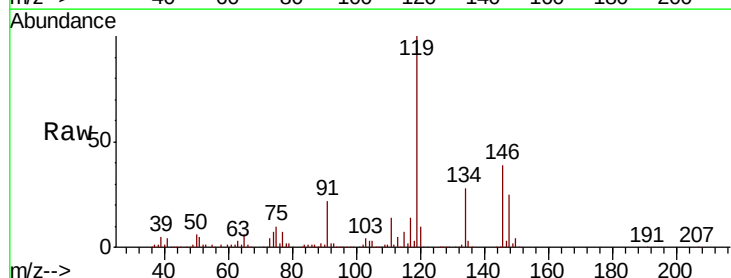
Tgt Ion:119 Resp: 573755

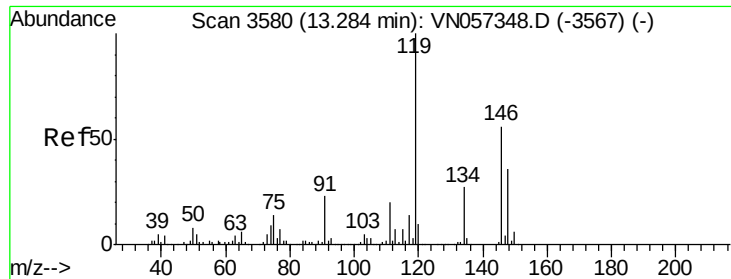
Ion Ratio Lower Upper

119 100

134 27.7 0.0 52.8

91 22.0 0.0 45.4

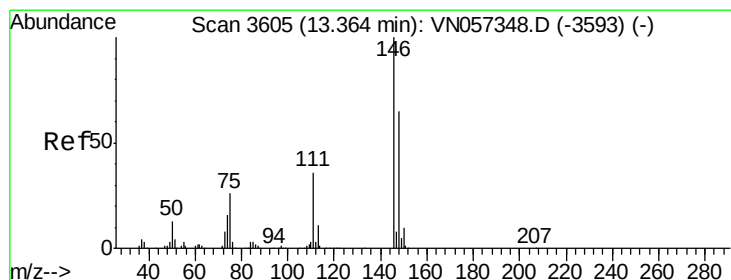
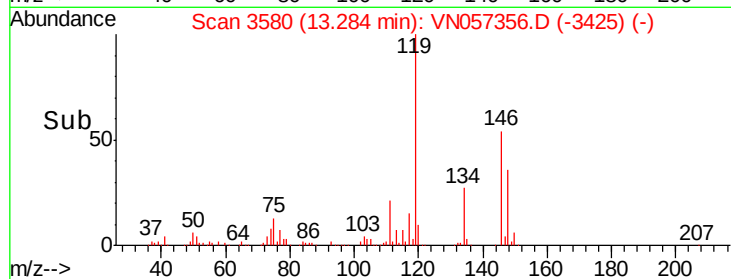
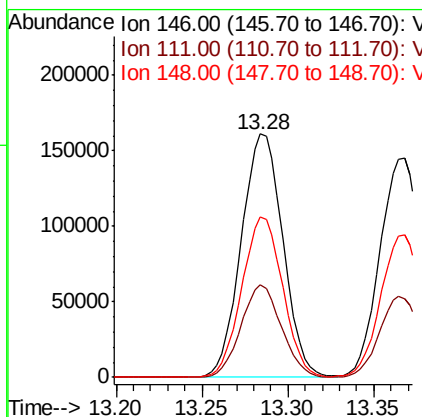
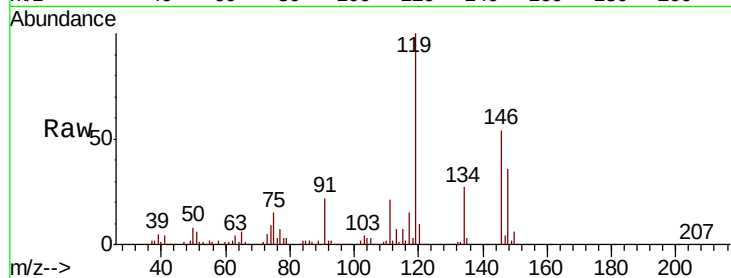




#83
 1,3-Dichlorobenzene
 Concen: 17.804 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

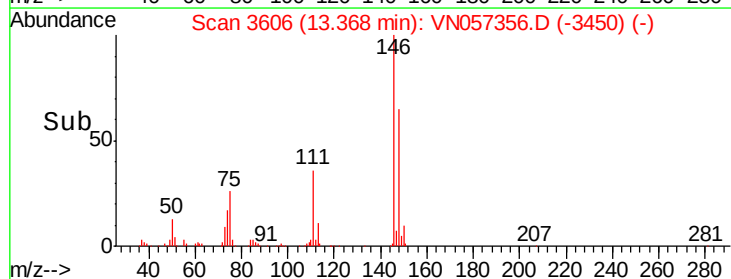
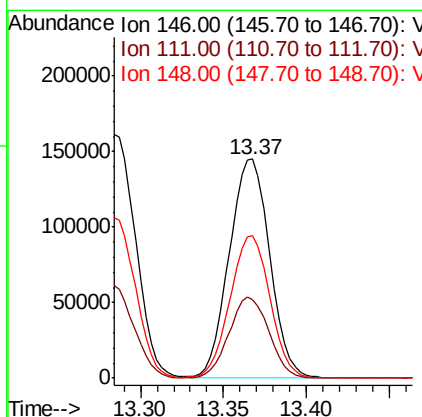
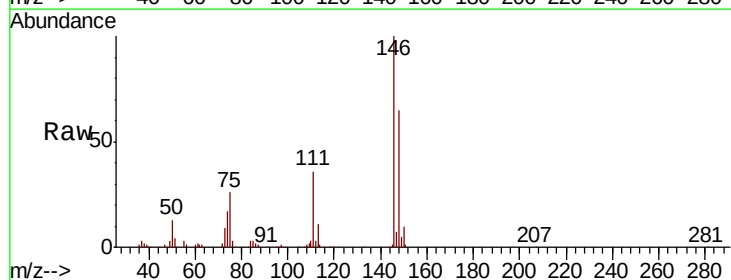
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

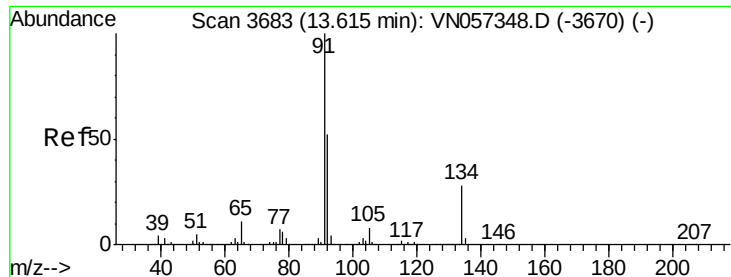
Tgt Ion:146 Resp: 270890
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 64.6 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 17.362 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion:146 Resp: 246583
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.8 53.4
 148 64.3 31.9 95.5

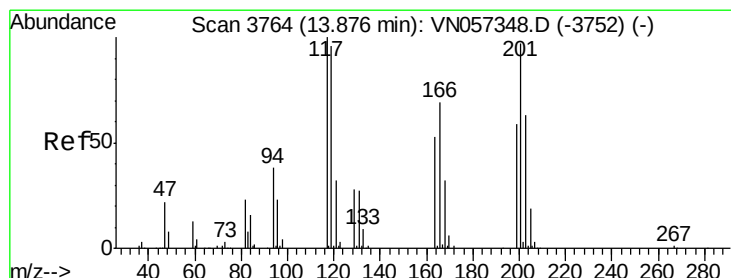
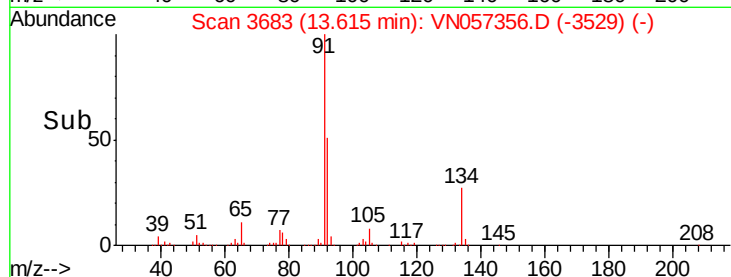
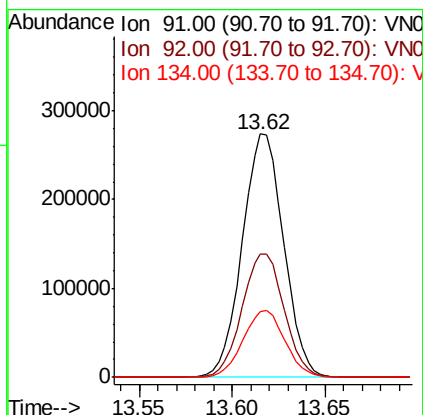
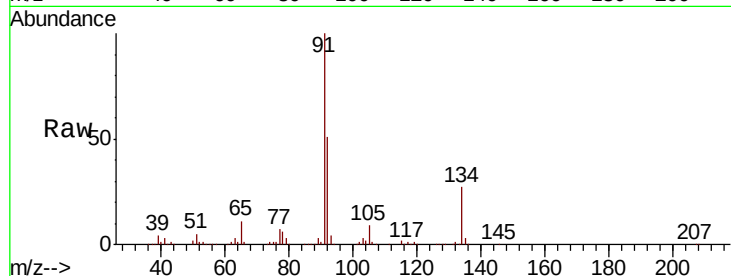




#85
n-Butylbenzene
Concen: 17.765 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

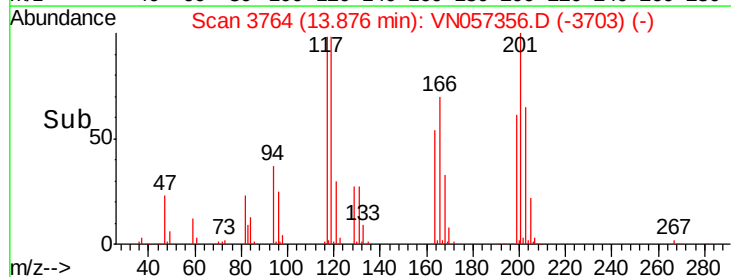
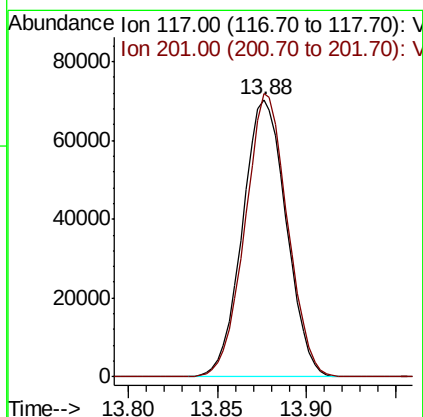
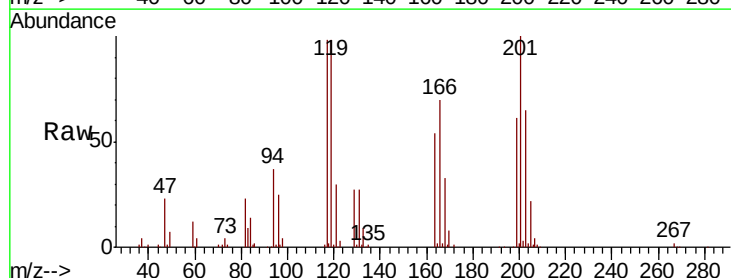
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

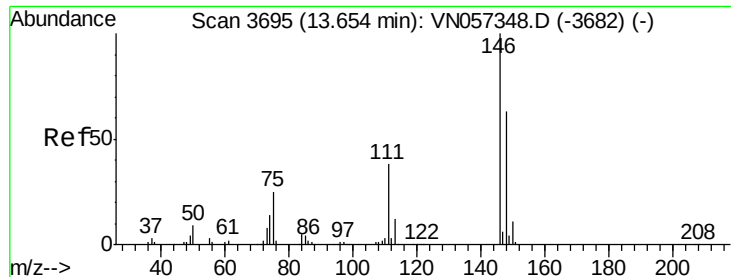
Tgt Ion: 91 Resp: 423794
Ion Ratio Lower Upper
91 100
92 51.5 0.0 104.0
134 27.7 0.0 53.2



#86
Hexachloroethane
Concen: 19.512 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057356.D
Acq: 16 Aug 2019 15:28

Tgt Ion: 117 Resp: 120483
Ion Ratio Lower Upper
117 100
201 99.0 45.6 136.7

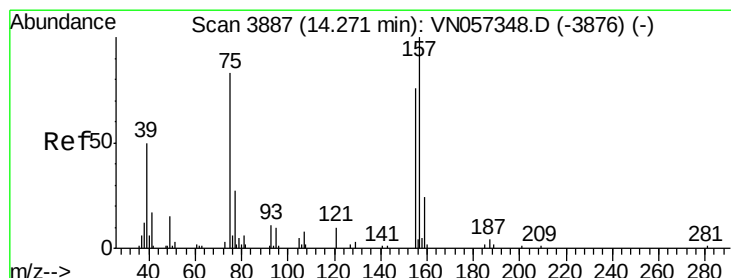
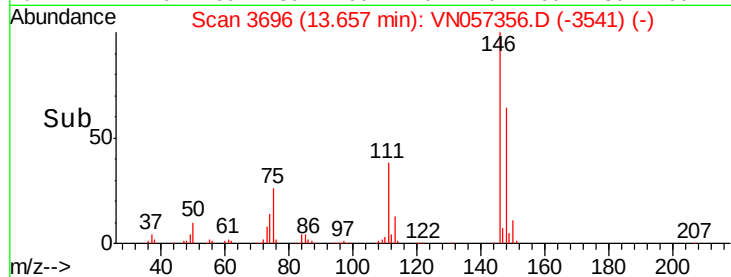
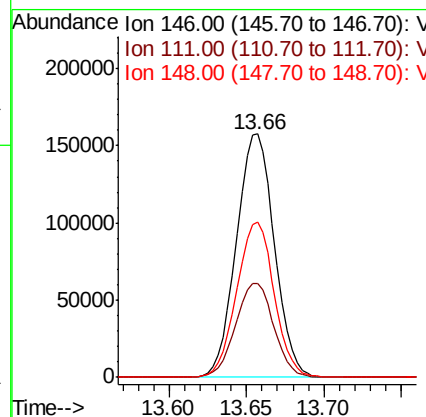
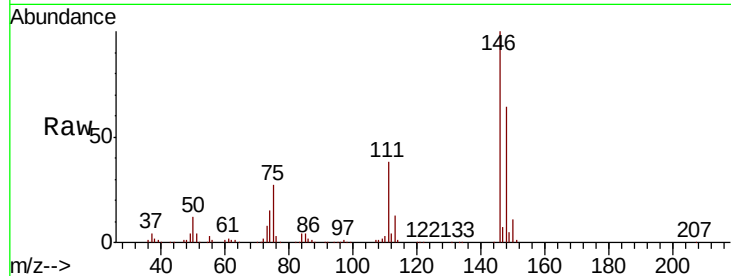




#87
 1,2-Dichlorobenzene
 Concen: 18.695 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

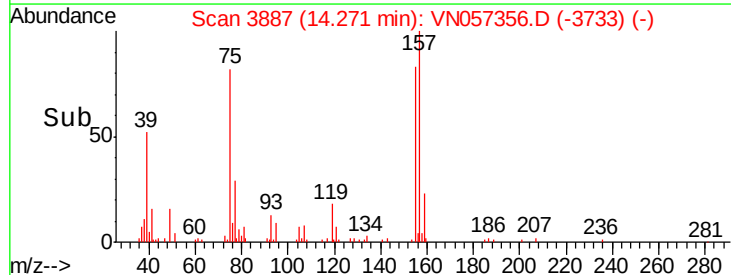
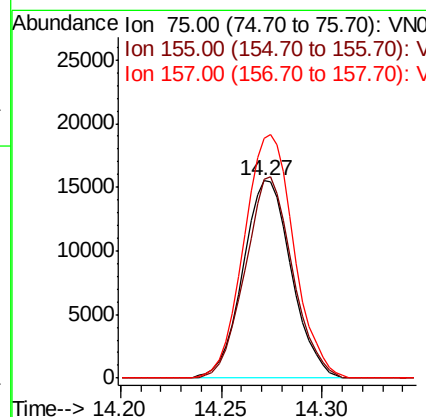
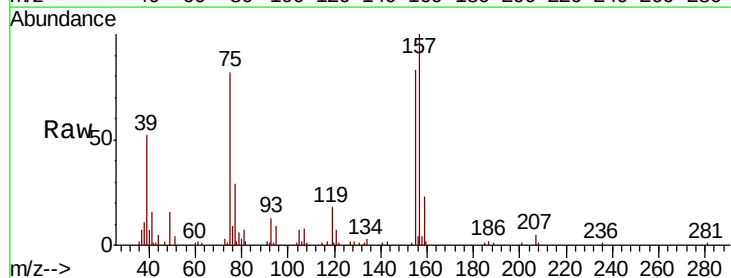
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

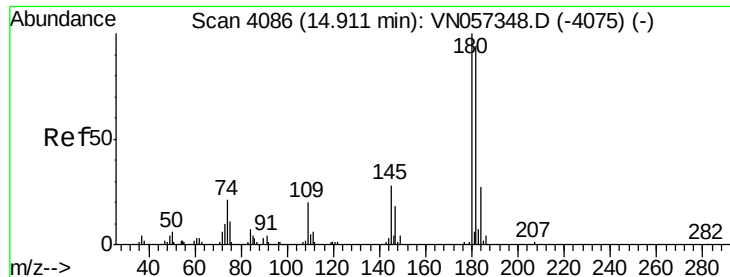
Tgt Ion:146 Resp: 268721
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.0 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.230 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion: 75 Resp: 26237
 Ion Ratio Lower Upper
 75 100
 155 99.2 78.6 117.8
 157 126.5 99.3 148.9

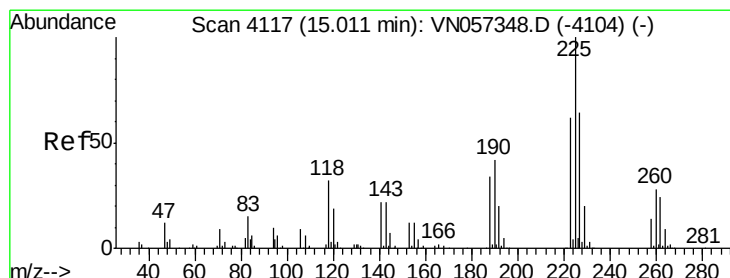
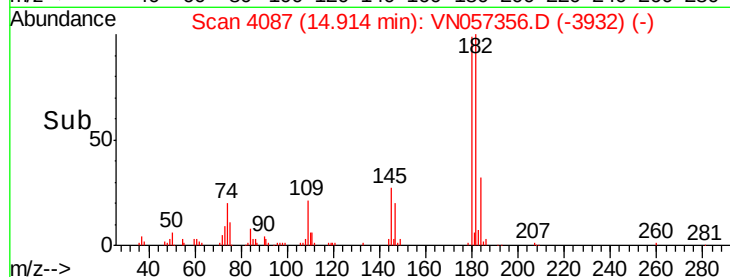
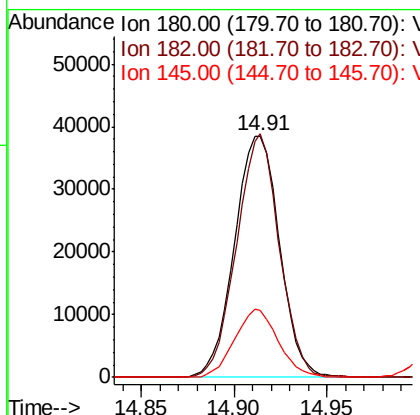
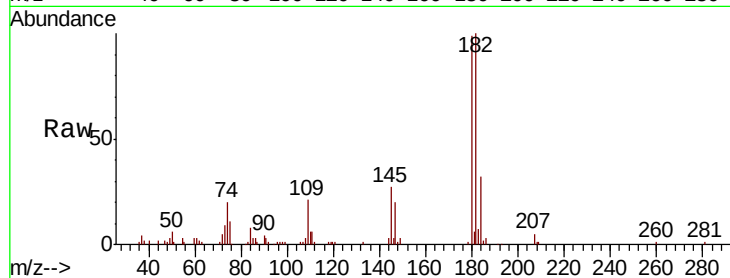




#89
 1,2,4-Trichlorobenzene
 Concen: 12.744 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

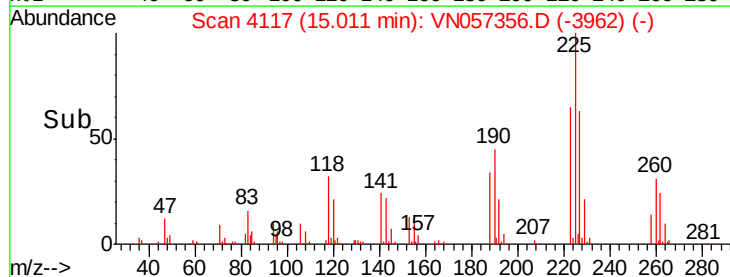
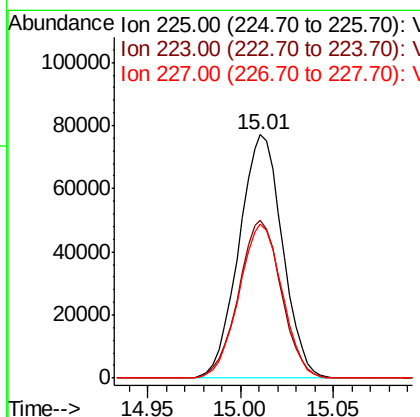
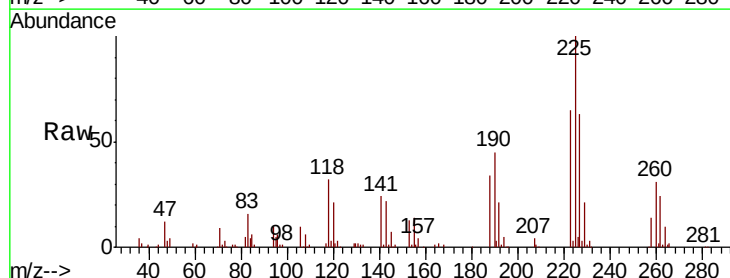
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

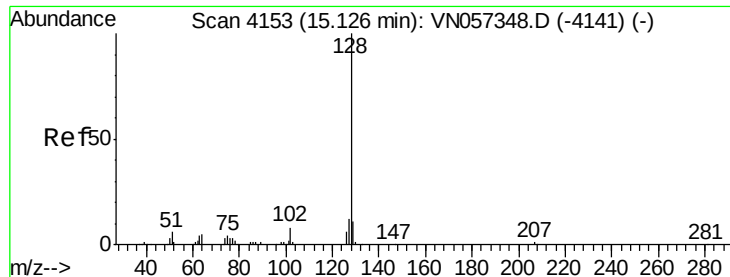
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.2	117.4
145	27.2	23.2	34.8



#90
 Hexachlorobutadiene
 Concen: 19.403 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057356.D
 Acq: 16 Aug 2019 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	124.6
227	62.7	0.0	128.6





#91

Naphthalene

Concen: 11.219 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBSD01

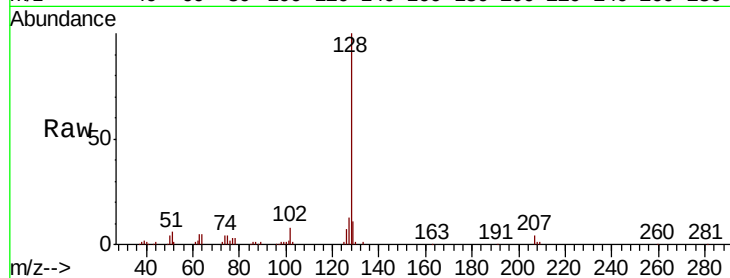
Tgt Ion:128 Resp: 123323

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

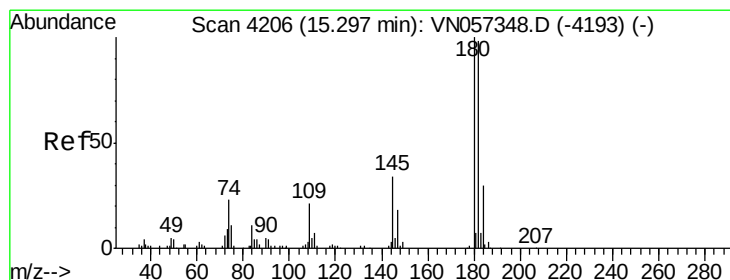
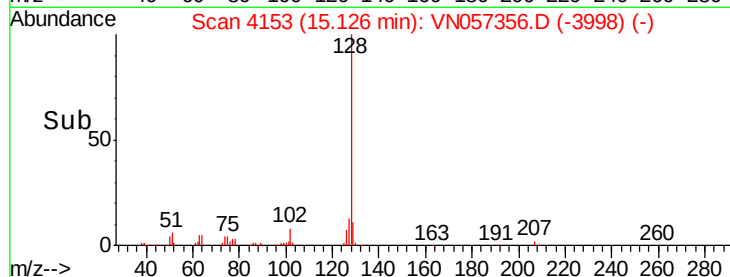
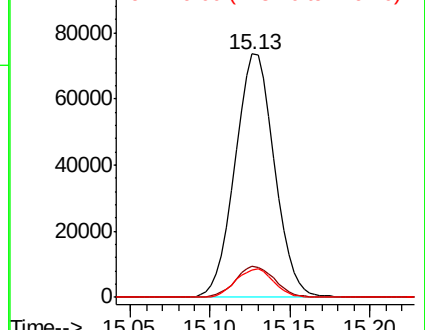
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 13.308 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057356.D

Acq: 16 Aug 2019 15:28

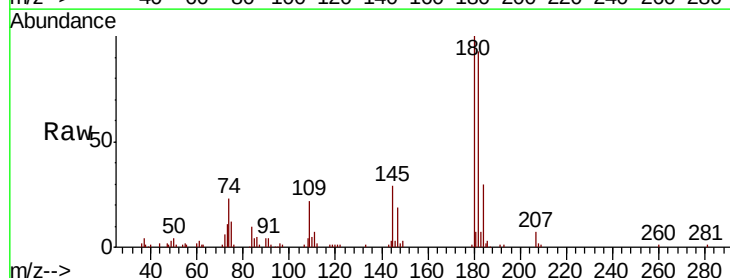
Tgt Ion:180 Resp: 64173

Ion Ratio Lower Upper

180 100

182 95.1 0.0 192.4

145 29.9 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

