

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053400.D
 Acq On : 15 Jan 2019 11:02
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 16 02:52:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	934403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1409270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1282566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	627472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	913534	98.92	ug/l	0.00
Spiked Amount			Recovery	=	197.84%	
35) Dibromofluoromethane	7.59	113	810831	100.81	ug/l	0.00
Spiked Amount			Recovery	=	201.62%	
50) Toluene-d8	10.09	98	3430369	100.85	ug/l	0.00
Spiked Amount			Recovery	=	201.70%	
62) 4-Bromofluorobenzene	12.40	95	1206287	101.14	ug/l	0.00
Spiked Amount			Recovery	=	202.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	750423	99.888	ug/l	99
3) Chloromethane	2.06	50	1046162	97.397	ug/l	99
4) Vinyl Chloride	2.19	62	1024904	98.987	ug/l	100
5) Bromomethane	2.56	94	689523	97.057	ug/l	100
6) Chloroethane	2.70	64	609600	97.381	ug/l	99
7) Trichlorofluoromethane	3.02	101	1342444	99.124	ug/l	99
8) Diethyl Ether	3.41	74	524047	103.026	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	844715	98.486	ug/l	100
10) Methyl Iodide	3.96	142	1339144	102.170	ug/l	100
11) Tert butyl alcohol	4.78	59	240592	532.378	ug/l	100
12) 1,1-Dichloroethene	3.74	96	836570	100.560	ug/l	99
13) Acrolein	3.61	56	453119	489.838	ug/l	99
14) Allyl chloride	4.33	41	1334587	98.763	ug/l	99
15) Acrylonitrile	4.99	53	1564251	525.952	ug/l	99
16) Acetone	3.81	43	1045236	482.375	ug/l	99
17) Carbon Disulfide	4.06	76	2550102	101.365	ug/l	99
18) Methyl Acetate	4.32	43	729215	99.886	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2311853	104.588	ug/l	99
20) Methylene Chloride	4.55	84	956015	96.637	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	892763	100.378	ug/l	100
22) Diisopropyl ether	5.95	45	2871504	101.792	ug/l	98
23) Vinyl Acetate	5.90	43	9278463	535.066	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1658412	99.446	ug/l	100
25) 2-Butanone	6.83	43	1727356	517.304	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1275401	101.294	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1028967	101.175	ug/l	99
28) Bromochloromethane	7.19	49	725233	98.716	ug/l	99
29) Tetrahydrofuran	7.21	42	1140682	524.742	ug/l	99
30) Chloroform	7.37	83	1618745	99.627	ug/l	99
31) Cyclohexane	7.65	56	1599442	98.772	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1397590	101.399	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1311933	102.220	ug/l	99
37) Ethyl Acetate	6.93	43	774926	104.083	ug/l	99
38) Carbon Tetrachloride	7.78	117	1232908	101.467	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1646022	103.764	ug/l	99
40) Benzene	8.04	78	3898070	99.947	ug/l	100
41) Methacrylonitrile	7.17	41	431372	93.696	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1131416	99.577	ug/l	100
43) Isopropyl Acetate	8.16	43	1412892	101.910	ug/l	98
44) Trichloroethene	8.83	130	1082214	100.060	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1036435	100.330	ug/l	99
46) Dibromomethane	9.21	93	589275	99.286	ug/l	99
47) Bromodichloromethane	9.40	83	1259459	100.906	ug/l	100
48) Methyl methacrylate	9.20	41	729148	106.361	ug/l	100
49) 1,4-Dioxane	9.20	88	136998	2046.231	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3843960	530.347	ug/l	100
52) Toluene	10.16	92	2452795	101.301	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1360953	107.575	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1540900	103.901	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	849081	101.714	ug/l	99
56) Ethyl methacrylate	10.43	69	1174251	97.098	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1475408	102.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	3113645	533.161	ug/l	100
59) 2-Hexanone	10.75	43	2633694	517.627	ug/l	99
60) Dibromochloromethane	10.90	129	990550	104.620	ug/l	99
61) 1,2-Dibromoethane	11.00	107	884349	104.749	ug/l	99
64) Tetrachloroethene	10.63	164	1173468	97.087	ug/l	100
65) Chlorobenzene	11.43	112	2739220	100.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	970418	102.752	ug/l	100
67) Ethyl Benzene	11.51	91	4752820	102.728	ug/l	100
68) m/p-Xylenes	11.62	106	3617646	207.100	ug/l	99
69) o-Xylene	11.95	106	1752618	103.256	ug/l	100
70) Styrene	11.96	104	2920120	106.002	ug/l	100
71) Bromoform	12.13	173	702312	108.018	ug/l	100
73) Isopropylbenzene	12.25	105	4662423	101.467	ug/l	99
74) N-amyl acetate	12.07	43	1319112	107.689	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	983126	102.016	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1351752	171.103	ug/l #	100
77) Bromobenzene	12.53	156	1215150	100.359	ug/l	99
78) n-propylbenzene	12.59	91	5411930	102.605	ug/l	99
79) 2-Chlorotoluene	12.67	91	3125935	99.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3834904	102.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	328786	98.062	ug/l	98
82) 4-Chlorotoluene	12.77	91	3243054	101.718	ug/l	100
83) tert-Butylbenzene	12.99	119	3407100	103.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3882335	102.989	ug/l	100
85) sec-Butylbenzene	13.17	105	4642964	102.526	ug/l	99
86) p-Isopropyltoluene	13.29	119	4109443	104.510	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2170241	101.897	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2133161	99.847	ug/l	100
89) n-Butylbenzene	13.62	91	3549138	105.889	ug/l	100
90) Hexachloroethane	13.88	117	665248	107.874	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1961440	100.101	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	127344	104.215	ug/l	98

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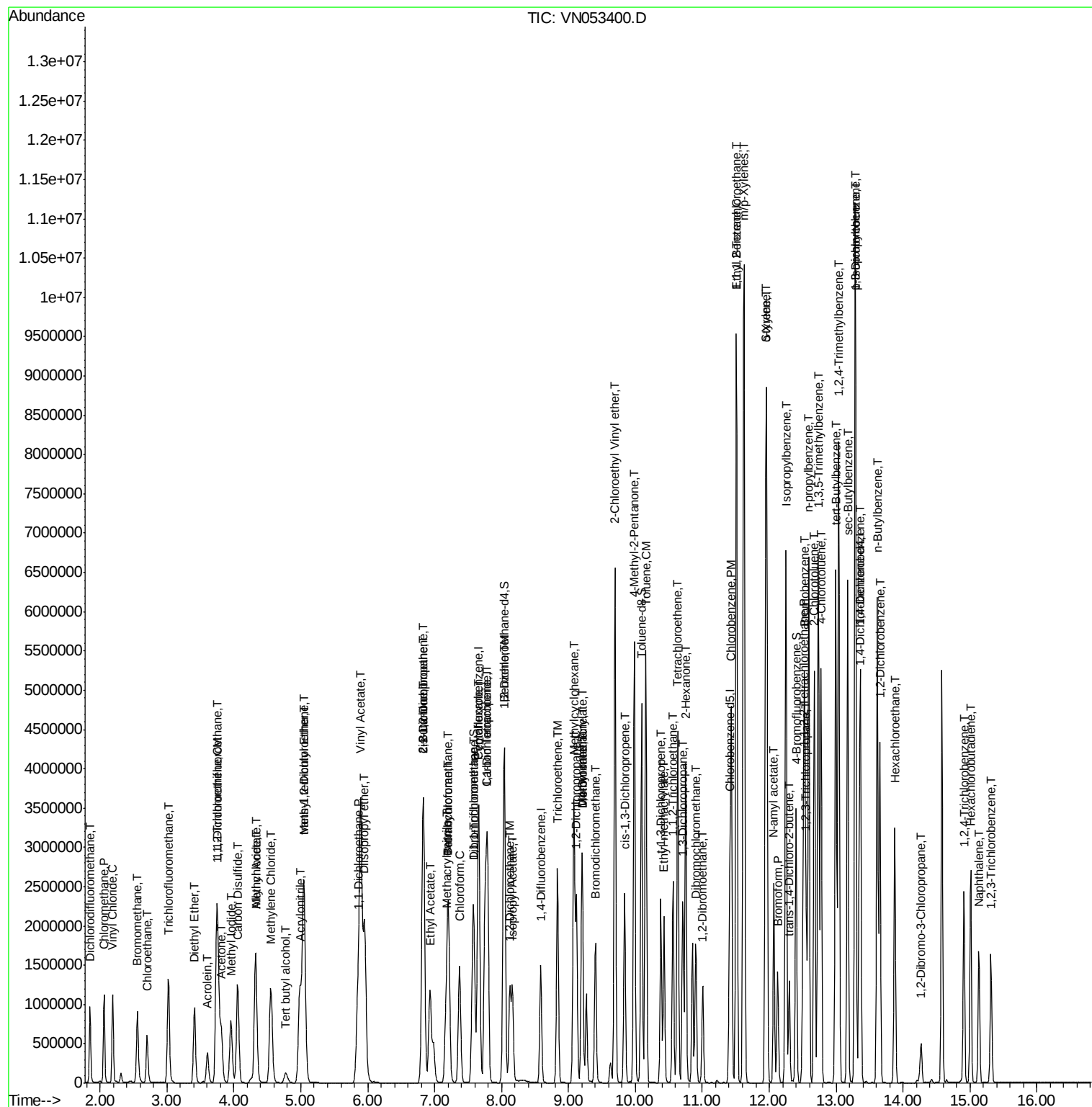
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	850104	95.654	ug/l	99
94) Hexachlorobutadiene	15.01	225	581360	95.111	ug/l	98
95) Naphthalene	15.13	128	1513790	95.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	625972	95.127	ug/l	99

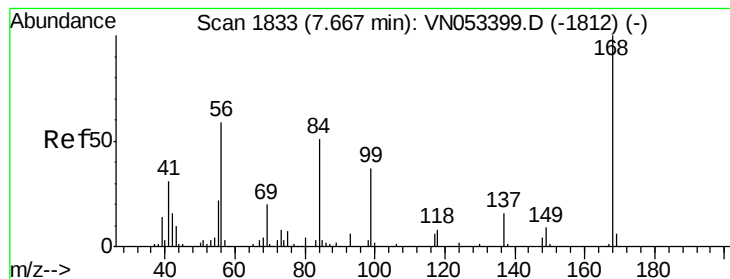
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011519\
Data File : VN053400.D
Acq On : 15 Jan 2019 11:02
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Jan 16 02:52:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 15 11:52:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

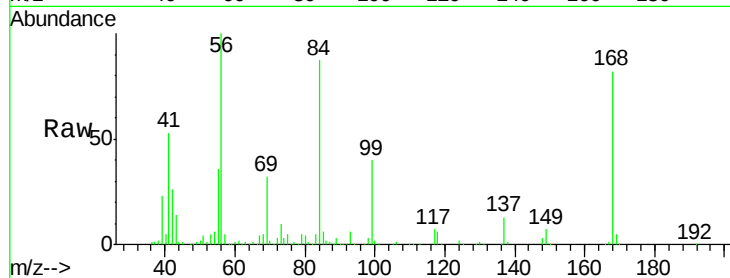
VSTDIC100

Tot Ion:168 Resp: 934403

Ion Ratio Lower Upper

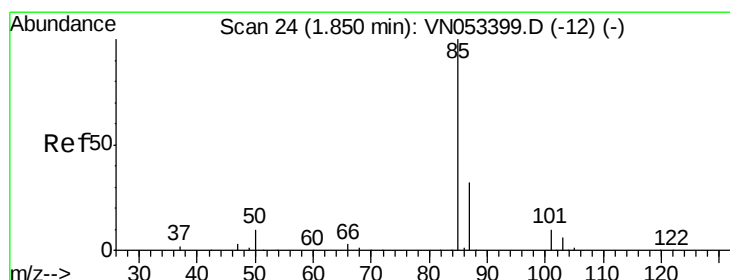
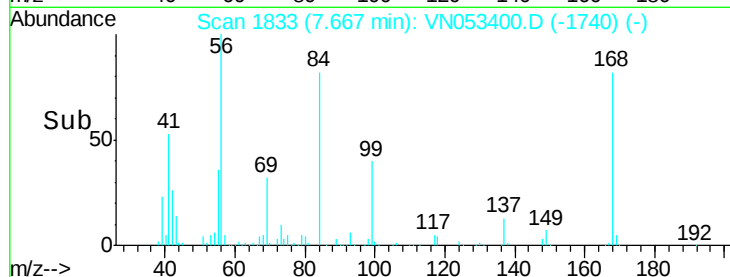
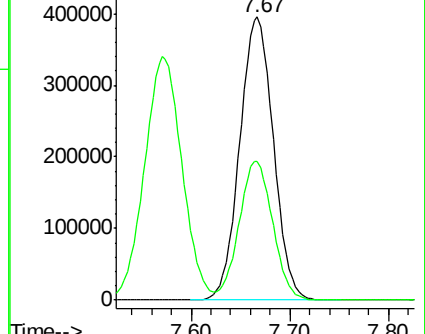
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 99.888 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053400.D

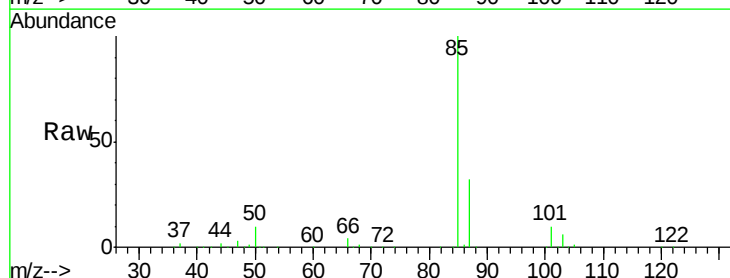
Acq: 15 Jan 2019 11:02

Tgt Ion: 85 Resp: 750423

Ion Ratio Lower Upper

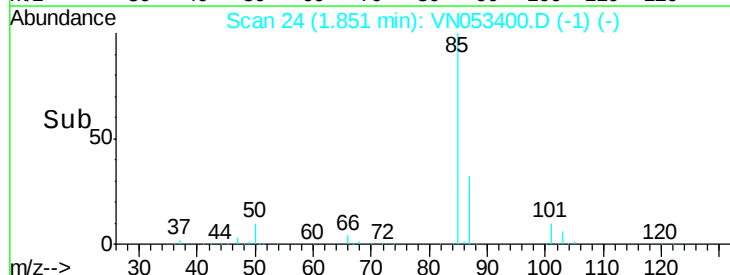
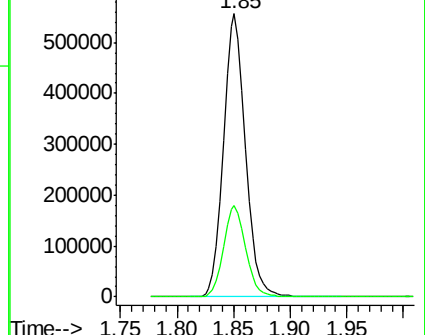
85 100

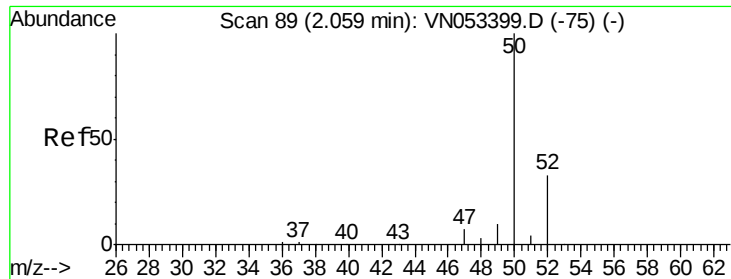
87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

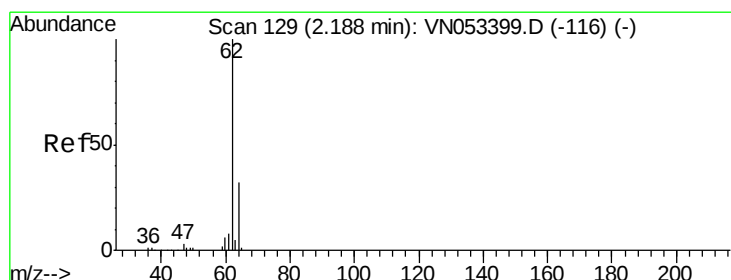
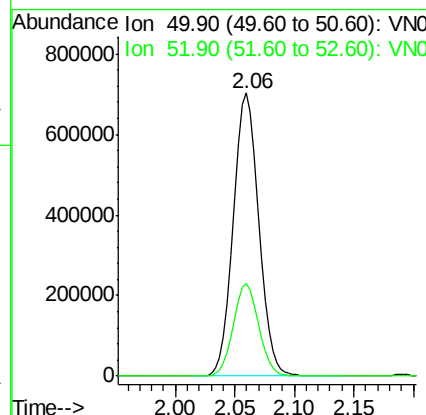
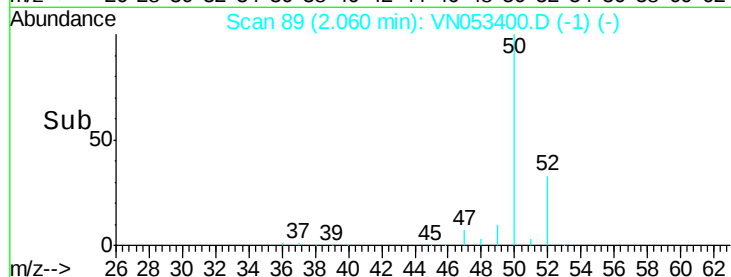
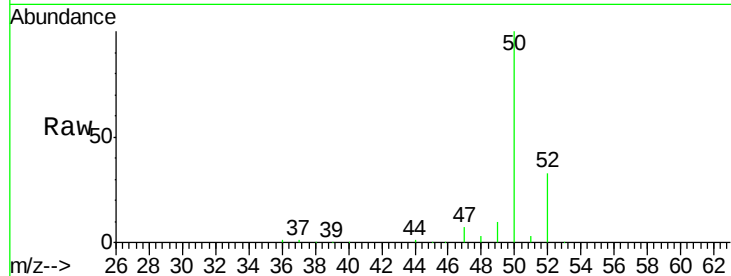




#3
Chloromethane
Concen: 97.397 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

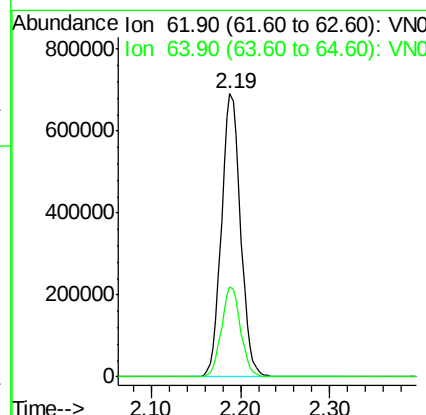
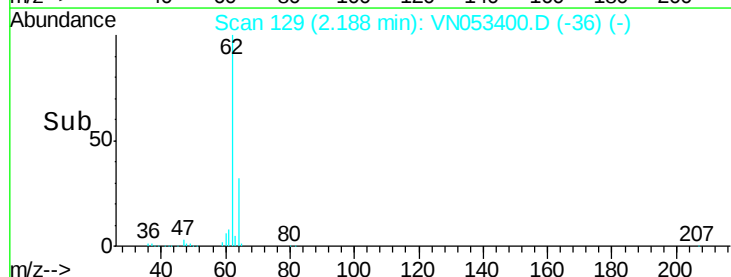
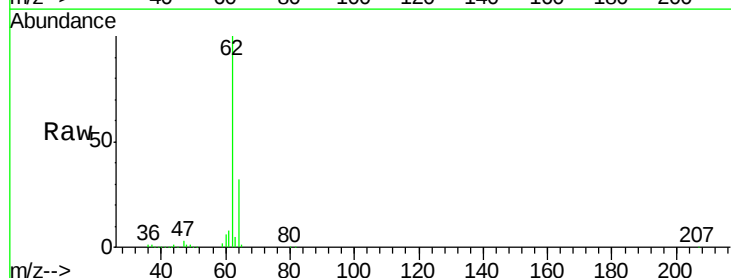
Instrument :
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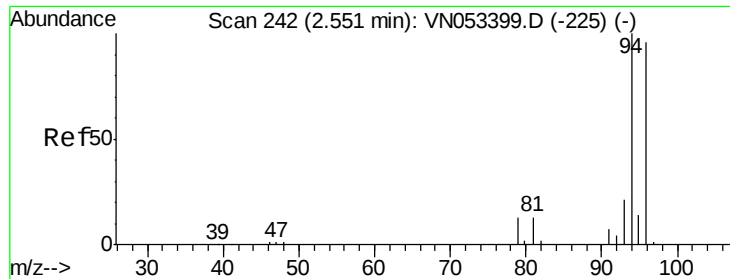
Tot Ion: 50 Resp: 1046162
Ion Ratio Lower Upper
50 100
52 32.6 26.6 40.0



#4
Vinyl Chloride
Concen: 98.987 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 62 Resp: 1024904
Ion Ratio Lower Upper
62 100
64 31.7 25.6 38.4





#5

Bromomethane

Concen: 97.057 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.01 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

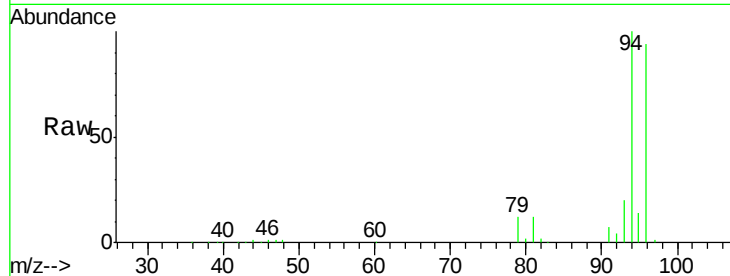
VSTDIC100

Tot Ion: 94 Resp: 689523

Ion Ratio Lower Upper

94 100

96 93.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

300000

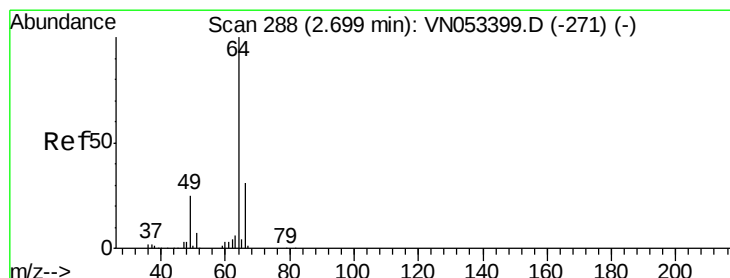
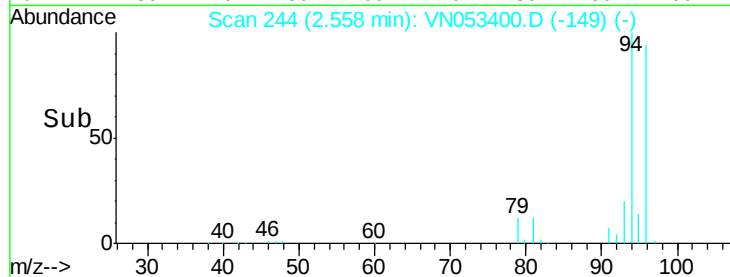
200000

100000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 97.381 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN053400.D

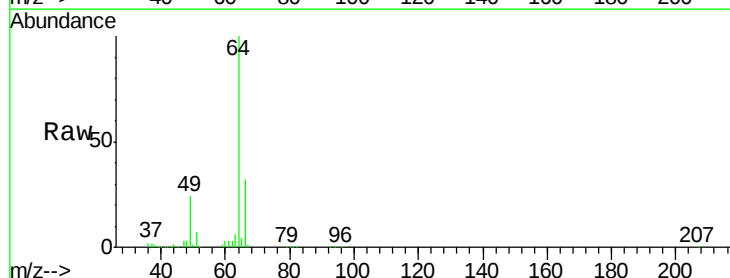
Acq: 15 Jan 2019 11:02

Tgt Ion: 64 Resp: 609600

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

300000

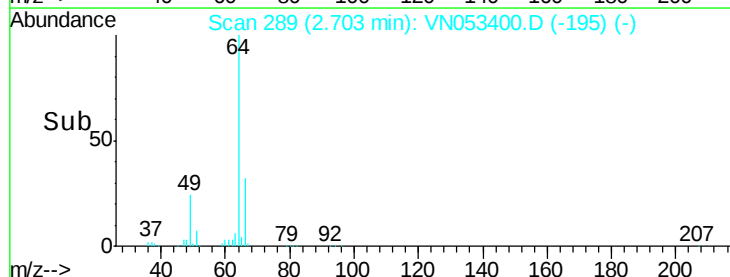
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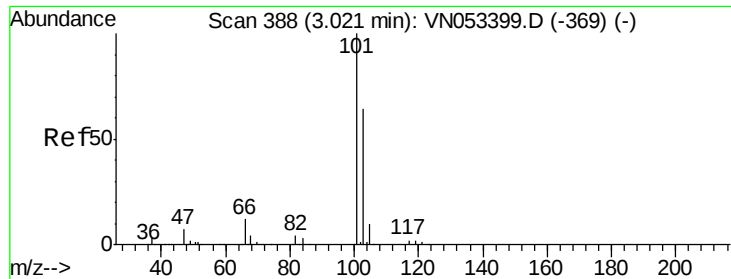
100000

0

Time-->

2.60 2.70 2.80



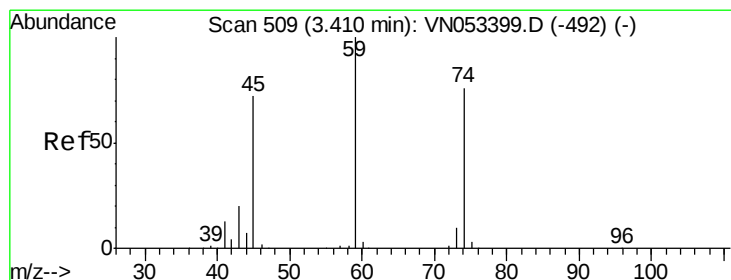
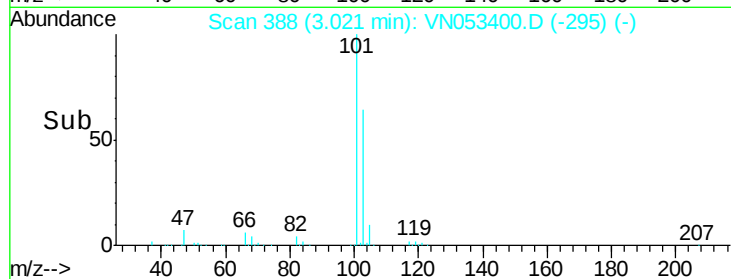
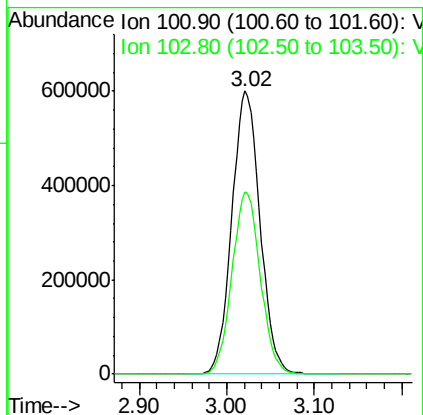
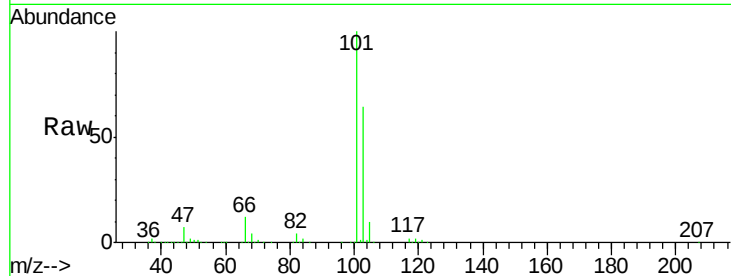


#7

Trichlorofluoromethane
 Concen: 99.124 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Instrument :
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 ClientSampleId :
 VSTDIC100

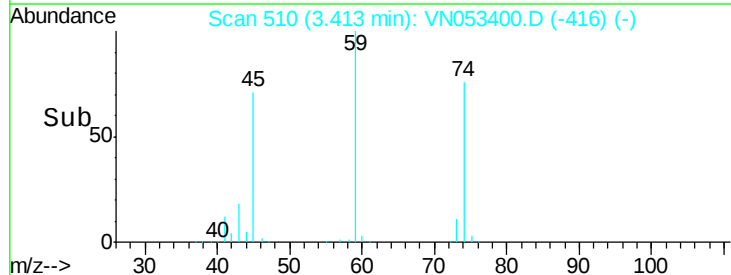
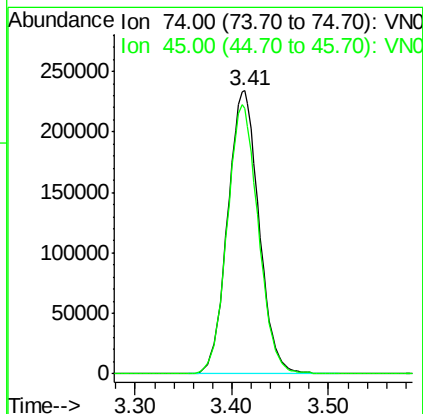
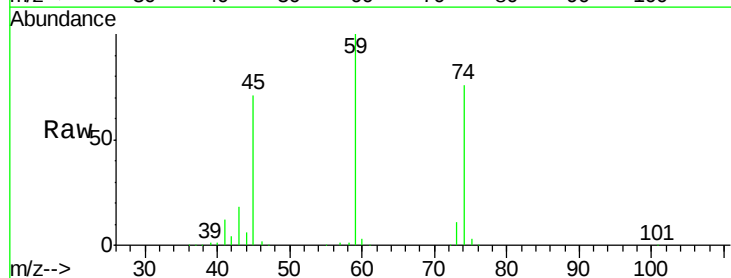
Tot Ion:101 Resp: 1342444
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.1 78.1

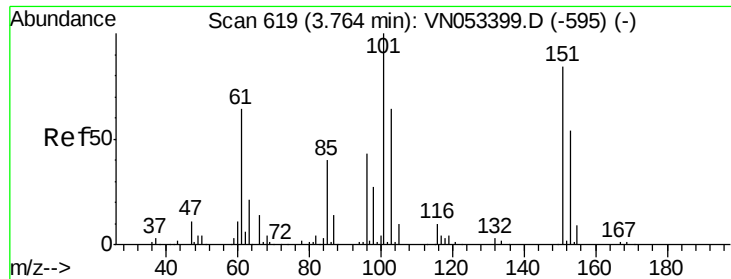


#8

Diethyl Ether
 Concen: 103.026 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion: 74 Resp: 524047
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.486 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

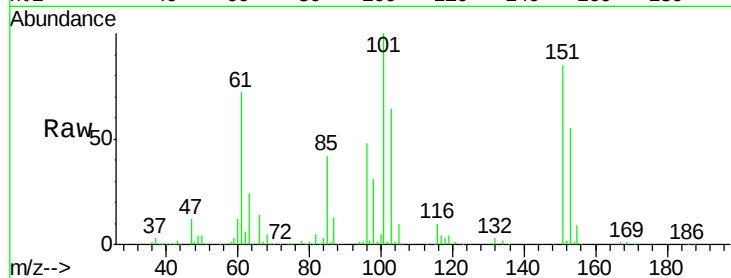
Tot Ion:101 Resp: 844715

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

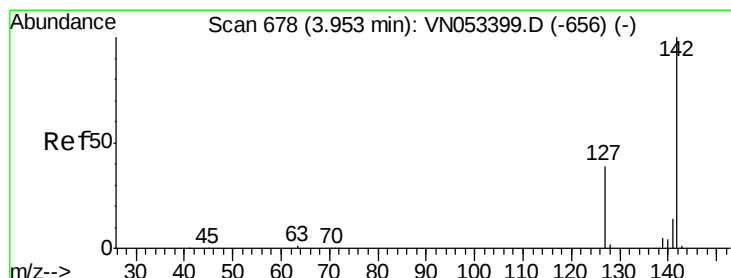
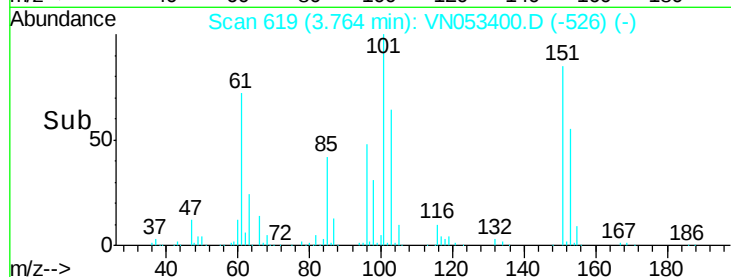
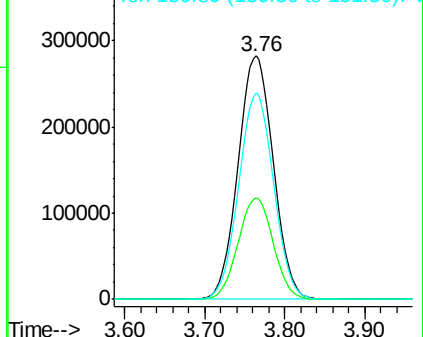
151 84.1 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 102.170 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

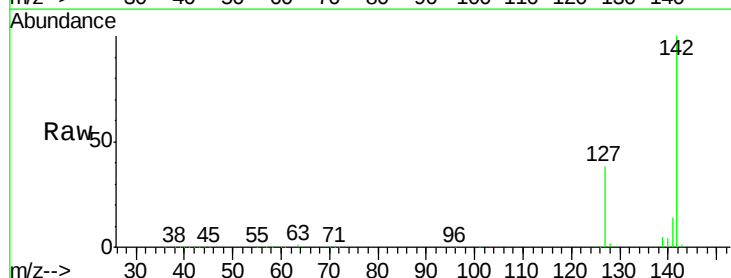
Tgt Ion:142 Resp: 1339144

Ion Ratio Lower Upper

142 100

127 38.4 30.9 46.3

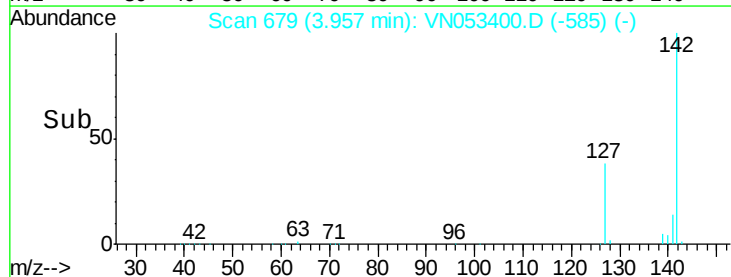
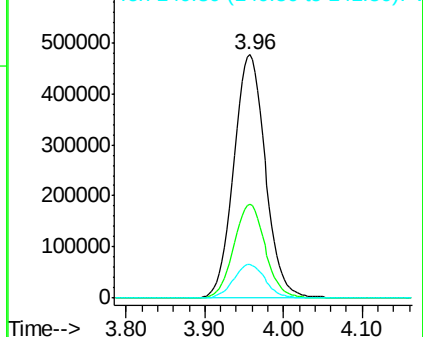
141 14.0 11.2 16.8

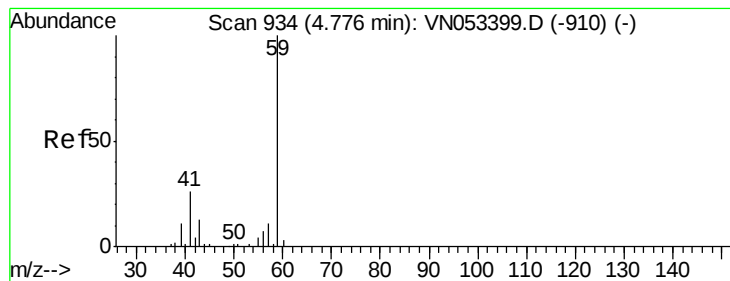


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



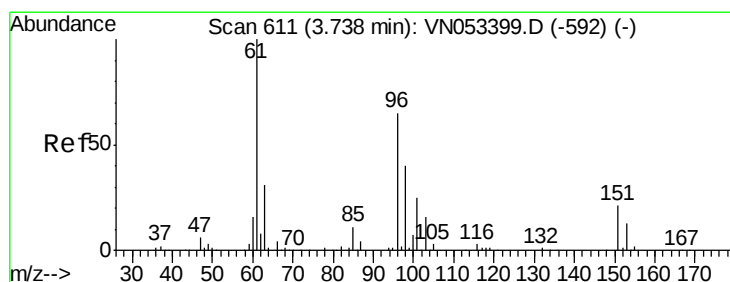
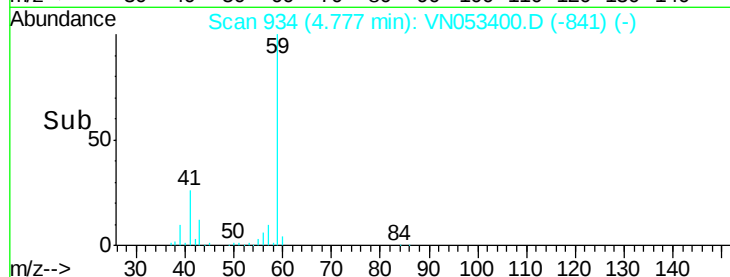
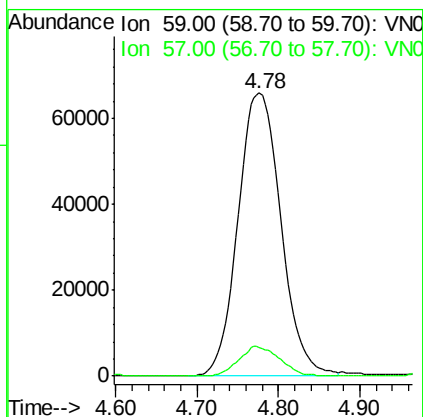
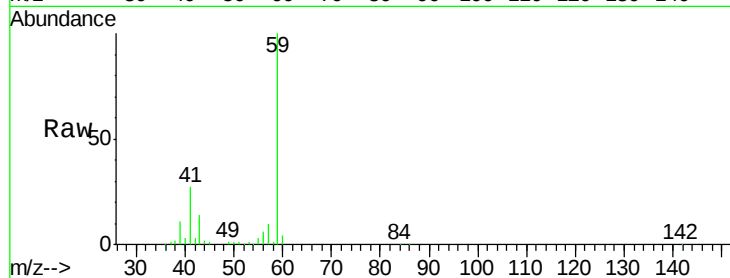


#11

Tert butyl alcohol
Concen: 532.378 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

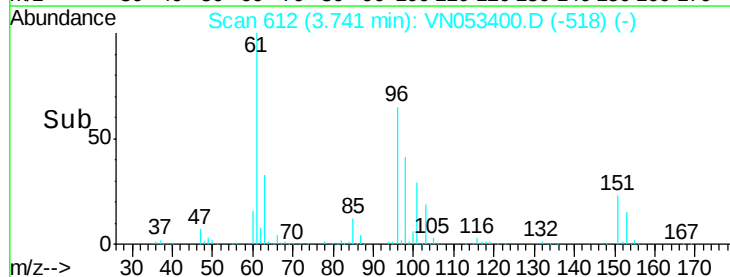
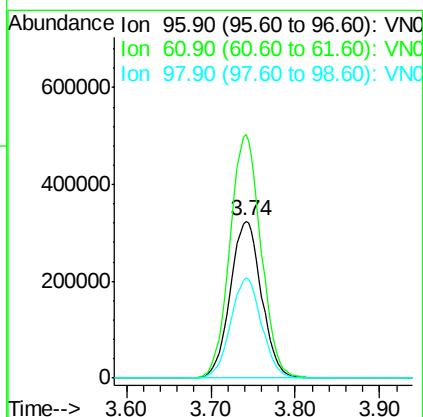
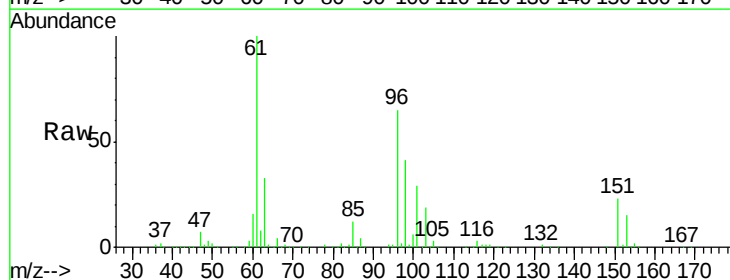
Tot Ion: 59 Resp: 240592
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0

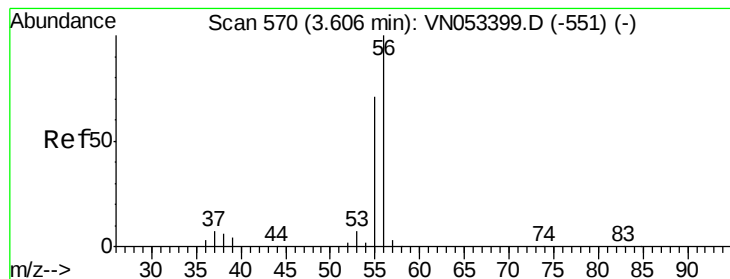


#12

1,1-Dichloroethene
Concen: 100.560 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 96 Resp: 836570
Ion Ratio Lower Upper
96 100
61 154.9 123.2 184.8
98 63.8 50.5 75.7





#13

Acrolein

Concen: 489.838 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

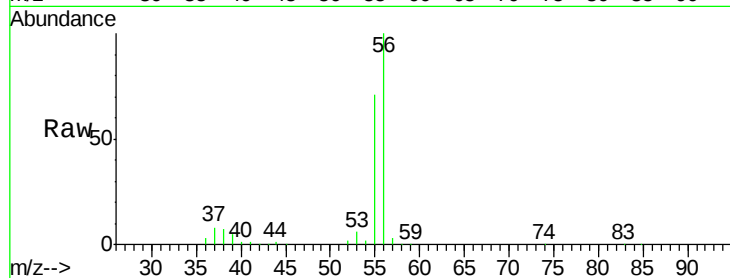
VSTDIC100

Tot Ion: 56 Resp: 453119

Ion Ratio Lower Upper

56 100

55 71.4 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

200000

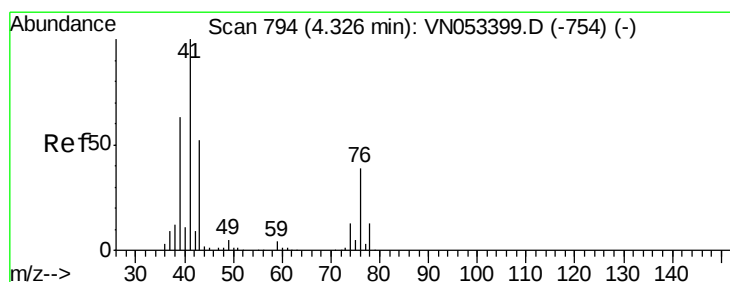
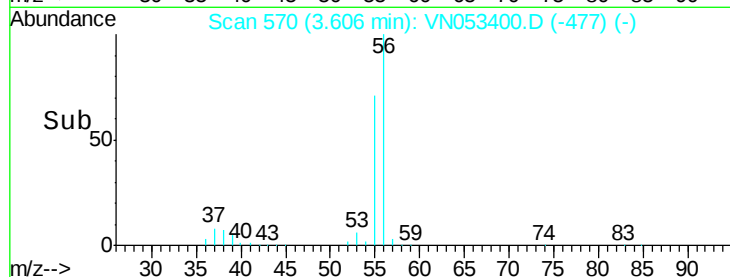
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 98.763 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

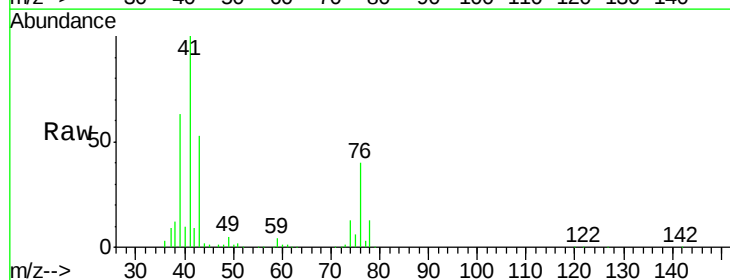
Tgt Ion: 41 Resp: 1334587

Ion Ratio Lower Upper

41 100

39 64.1 51.9 77.9

76 39.4 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

600000

500000

400000

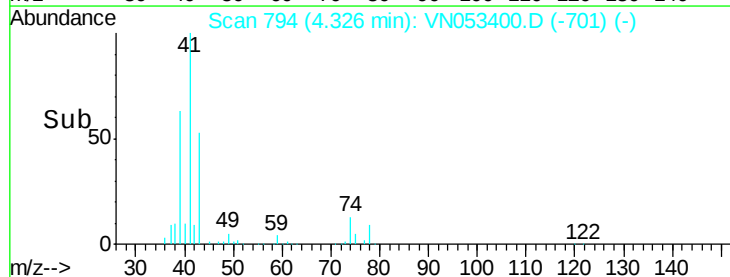
300000

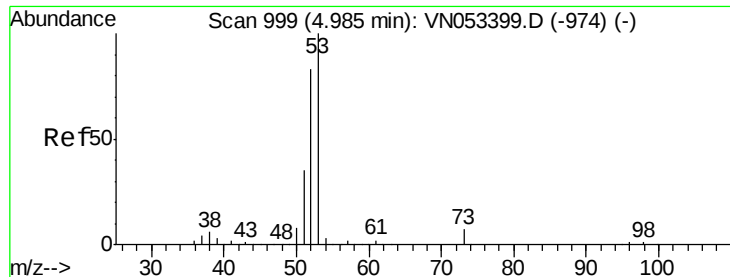
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 525.952 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

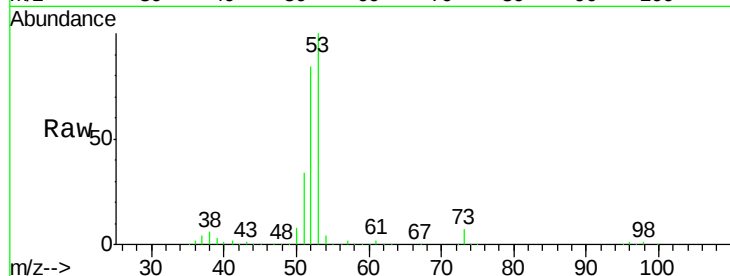
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1564251

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	35.0	28.0	42.0

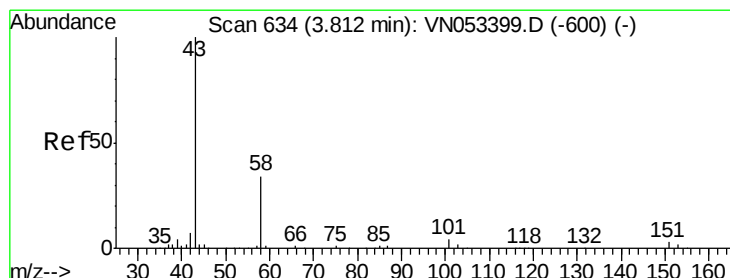
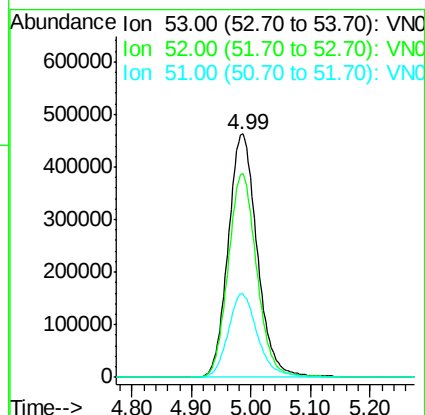
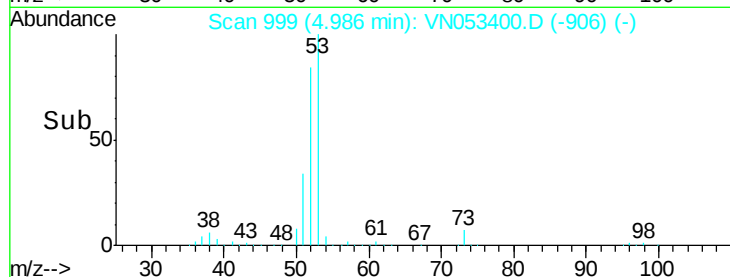


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 482.375 ug/l

RT: 3.81 min Scan# 634

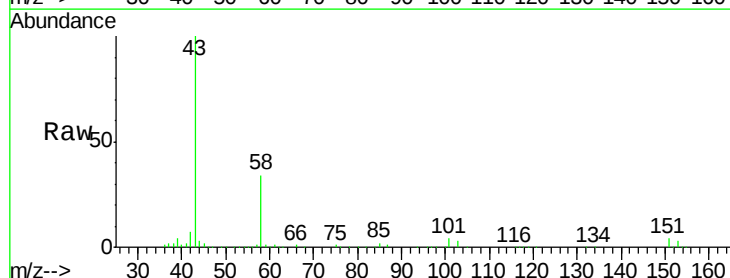
Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Tgt Ion: 43 Resp: 1045236

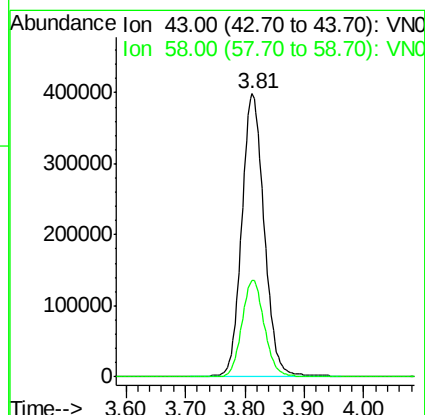
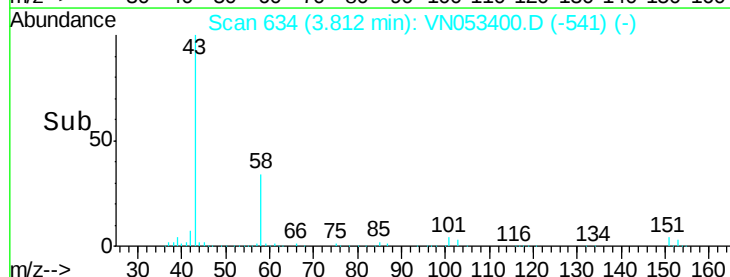
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.6

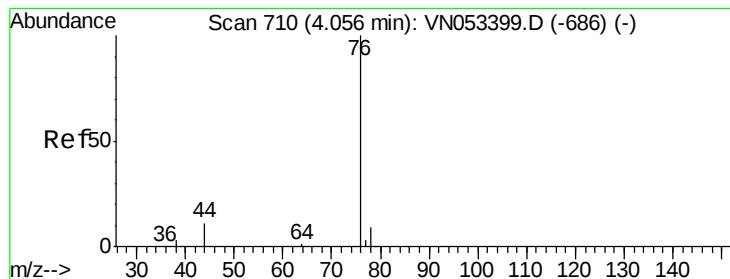


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 101.365 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

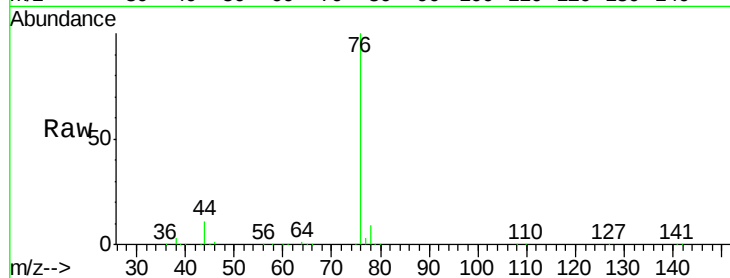
VSTDIC100

Tot Ion: 76 Resp: 2550102

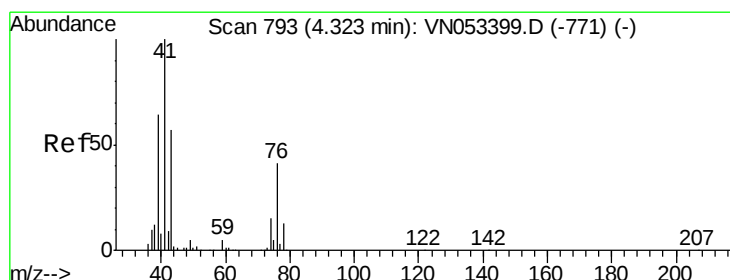
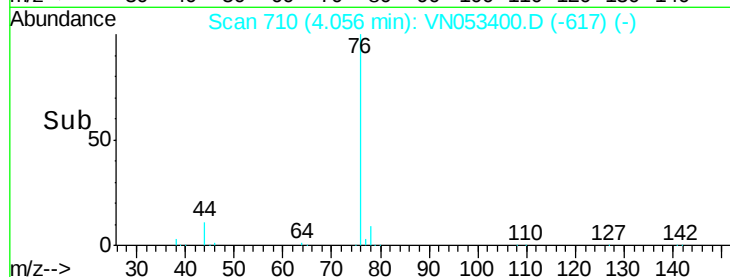
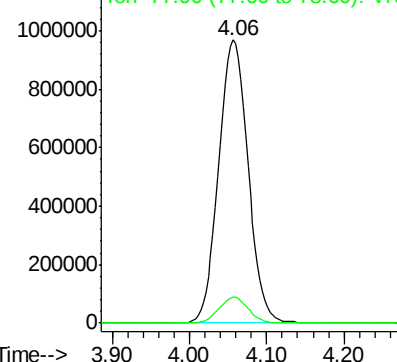
Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 99.886 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053400.D

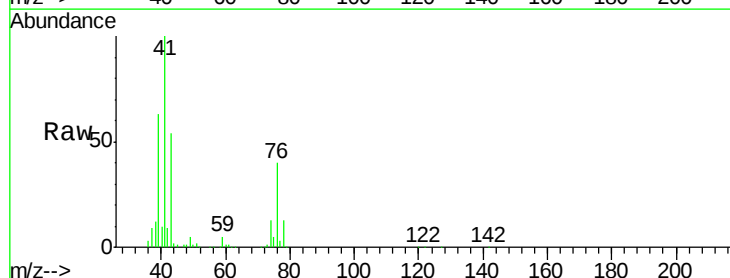
Acq: 15 Jan 2019 11:02

Tgt Ion: 43 Resp: 729215

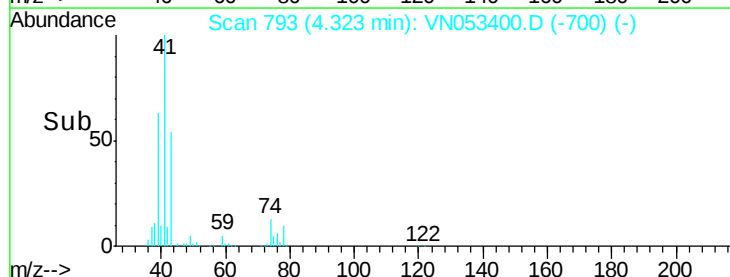
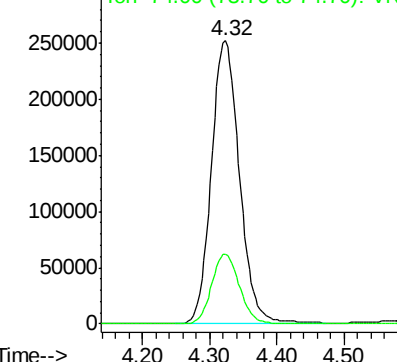
Ion Ratio Lower Upper

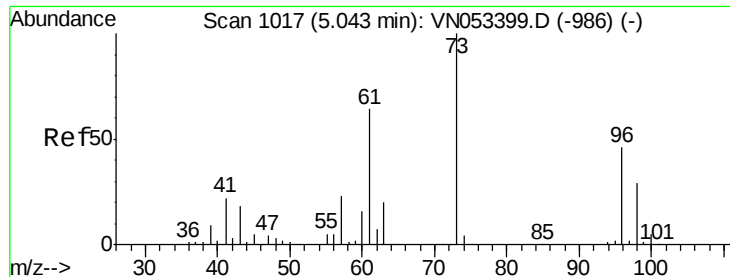
43 100

74 24.6 19.8 29.8



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

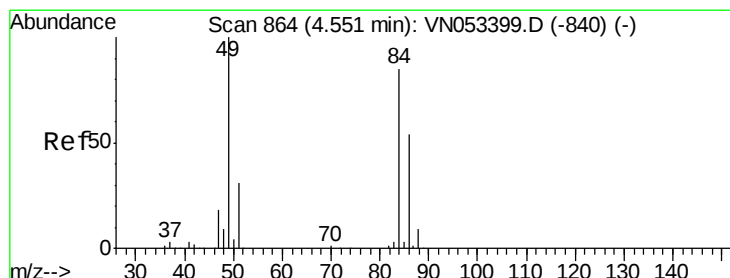
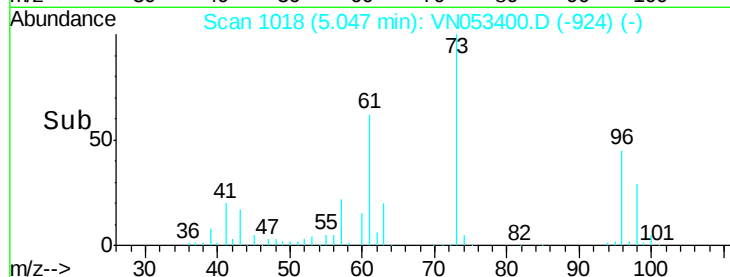
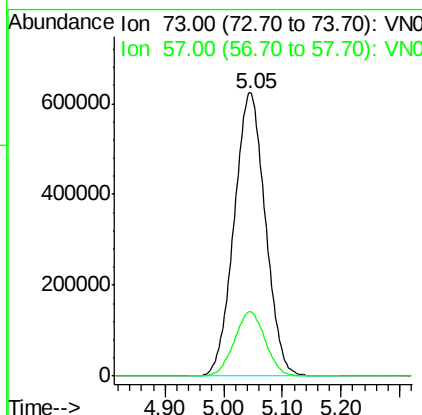
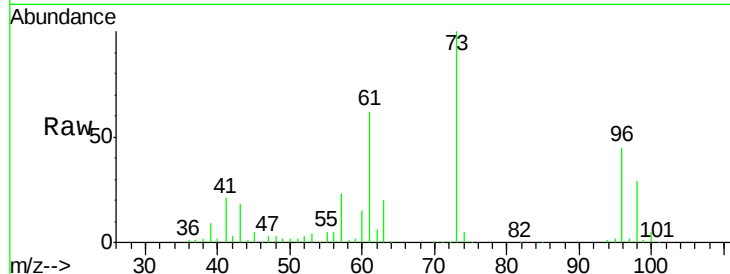




#19
Methvl tert-butvl Ether
Concen: 104.588 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

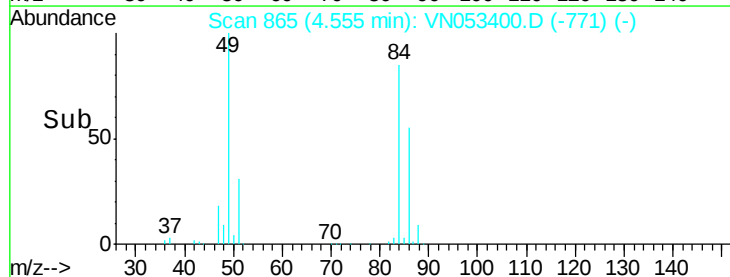
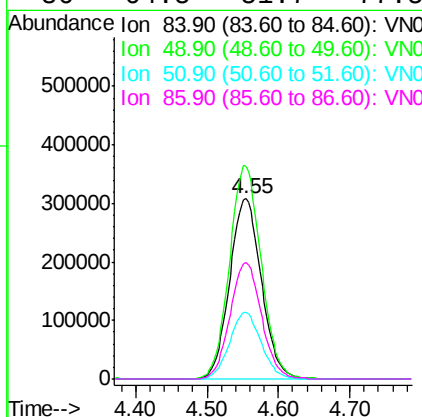
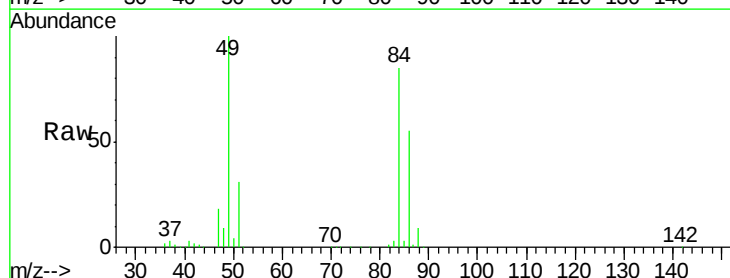
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

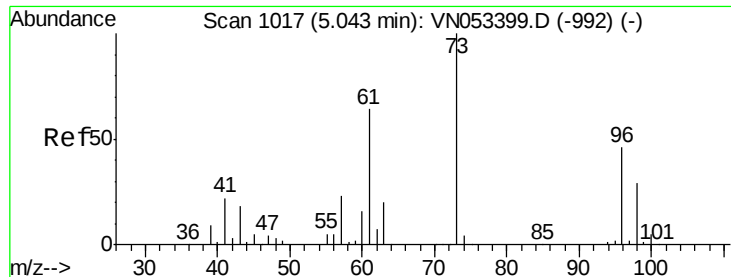
Tot Ion: 73 Resp: 2311853
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 96.637 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 84 Resp: 956015
Ion Ratio Lower Upper
84 100
49 118.0 95.3 142.9
51 37.1 29.0 43.6
86 64.5 51.7 77.5

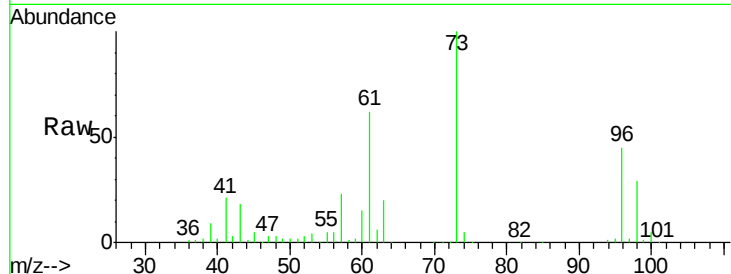




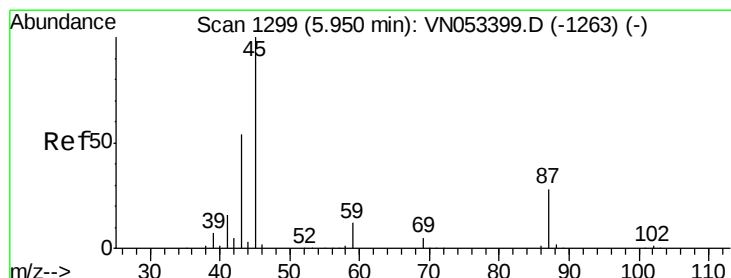
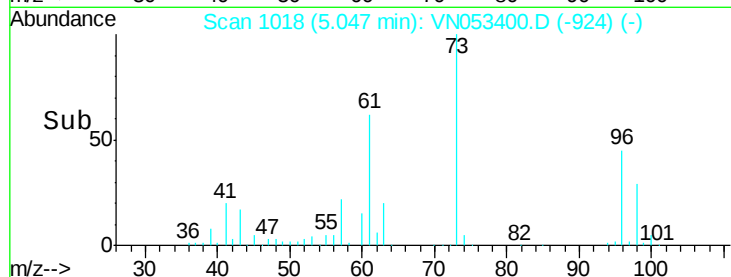
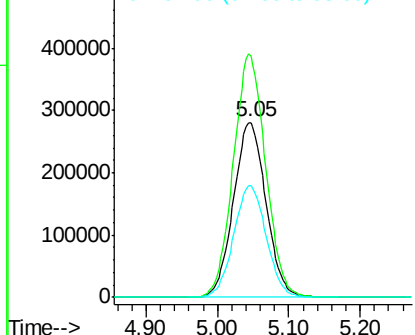
#21
trans-1,2-Dichloroethene
Concen: 100.378 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 892763
Ion Ratio Lower Upper
96 100
61 137.5 110.2 165.4
98 63.7 50.7 76.1

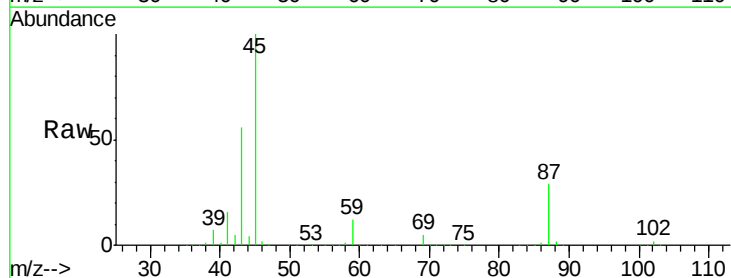


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

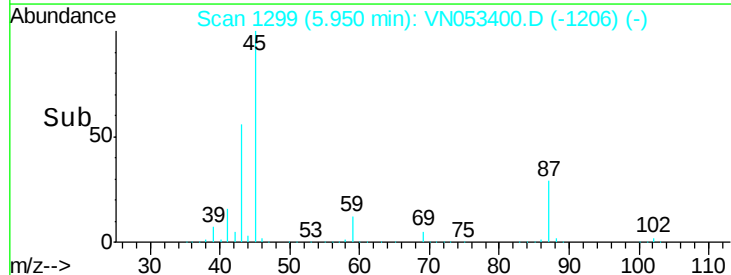
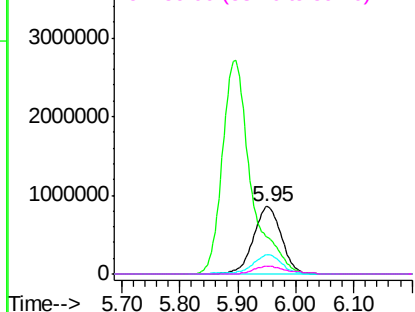


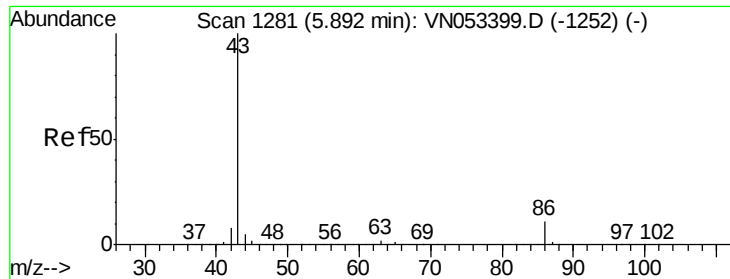
#22
Diisopropyl ether
Concen: 101.792 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 45 Resp: 2871504
Ion Ratio Lower Upper
45 100
43 55.5 43.0 64.6
87 28.6 22.1 33.1
59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 535.066 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

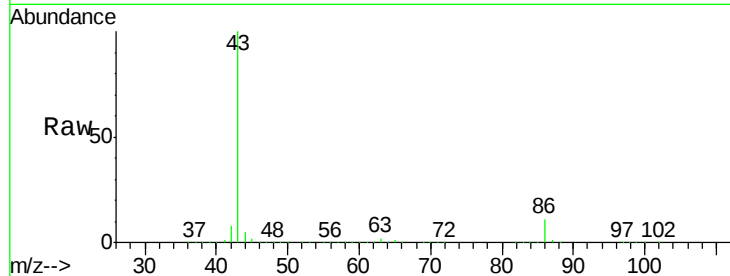
VSTDIC100

Tot Ion: 43 Resp: 9278463

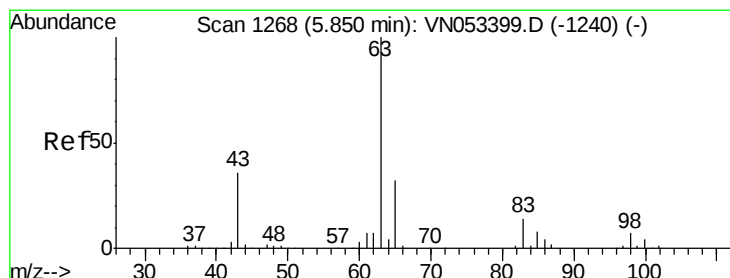
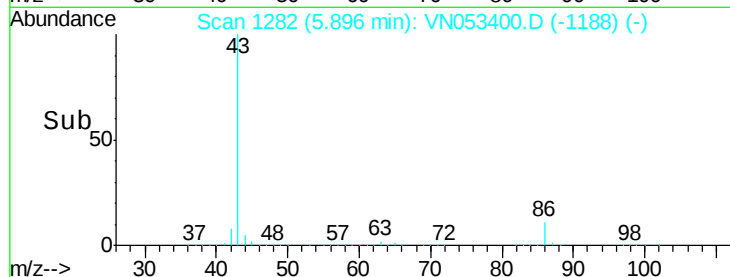
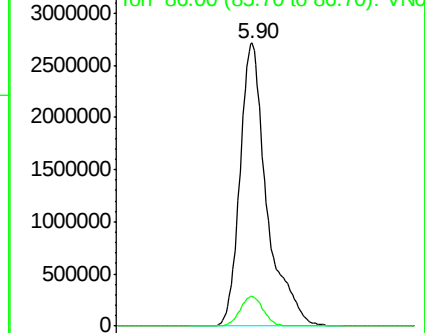
Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 99.446 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

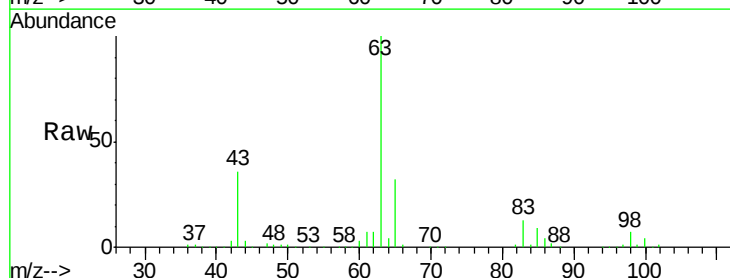
Tgt Ion: 63 Resp: 1658412

Ion Ratio Lower Upper

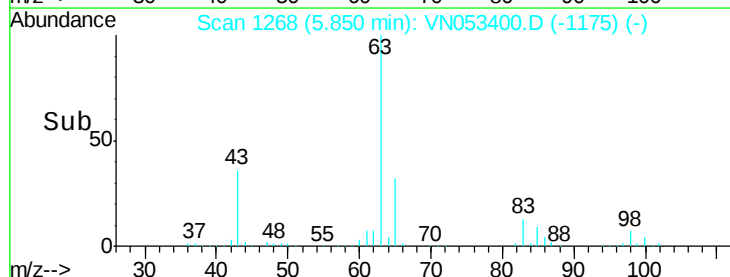
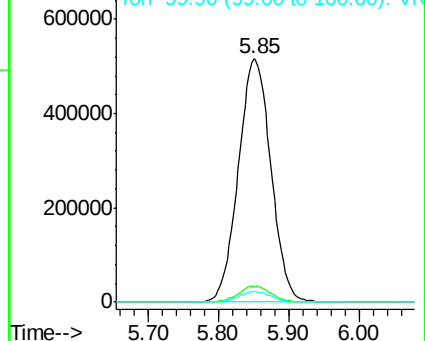
63 100

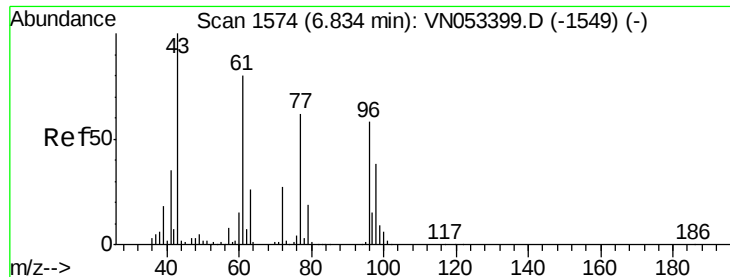
98 6.5 3.3 9.8

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

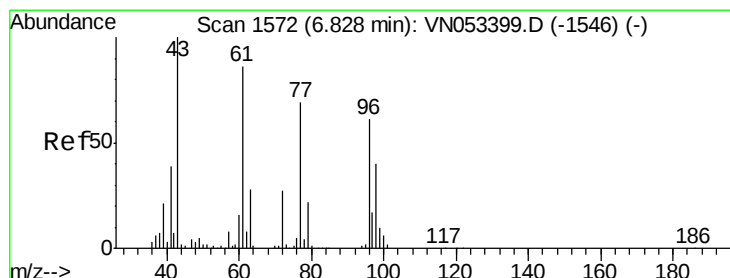
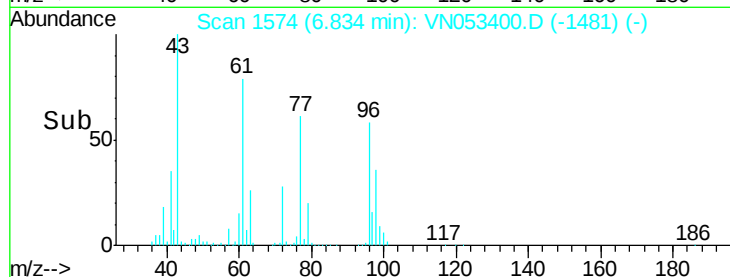
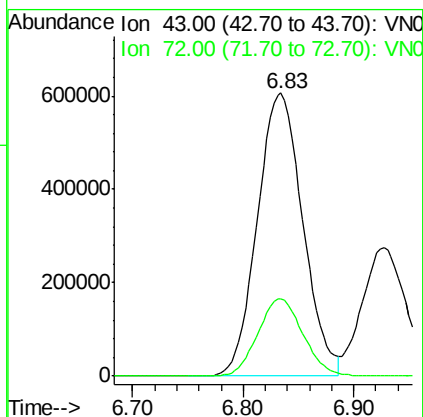
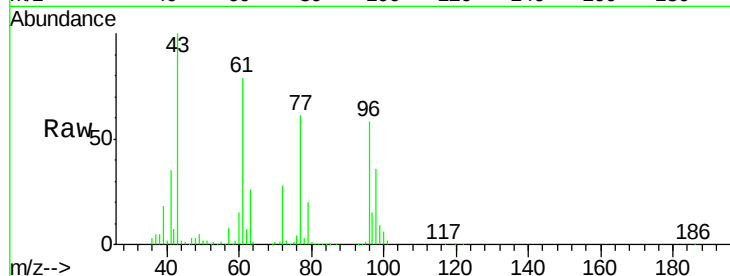




#25
2-Butanone
Concen: 517.304 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

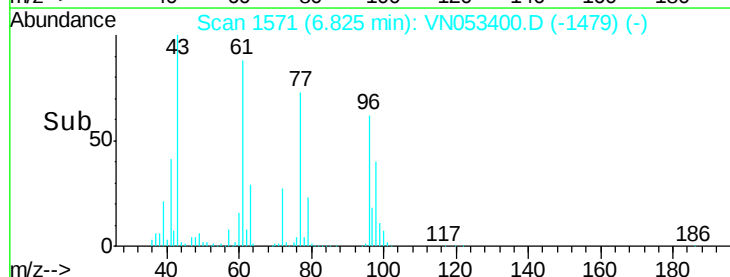
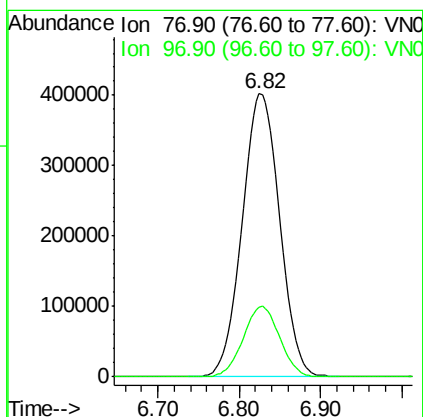
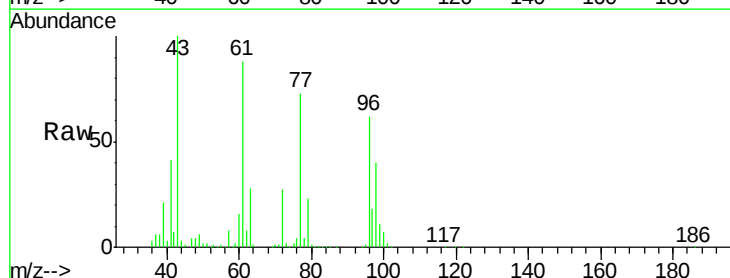
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

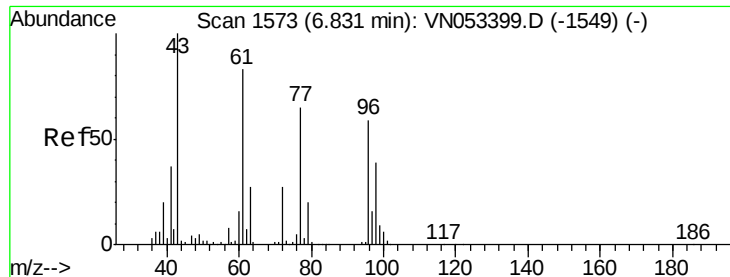
Tot Ion: 43 Resp: 1727356
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0



#26
2,2-Dichloropropane
Concen: 101.294 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 77 Resp: 1275401
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 101.175 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

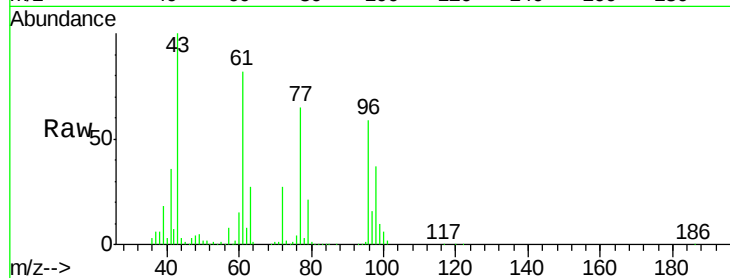
Tot Ion: 96 Resp: 1028967

Ion Ratio Lower Upper

96 100

61 141.6 0.0 280.6

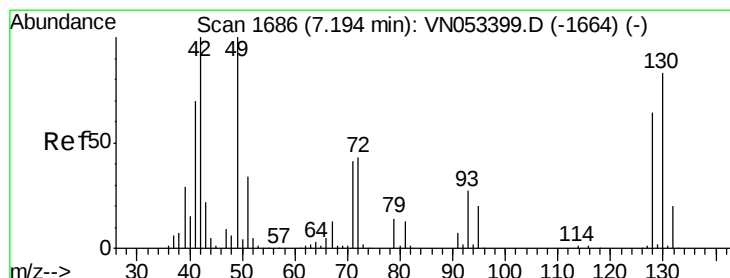
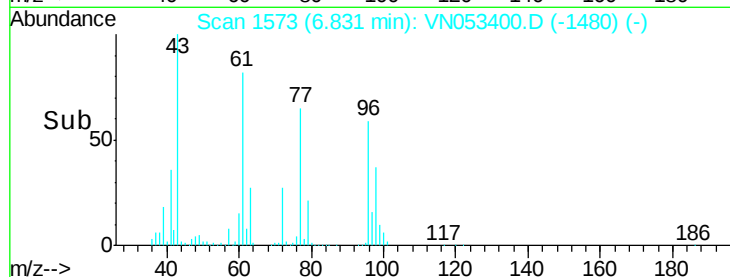
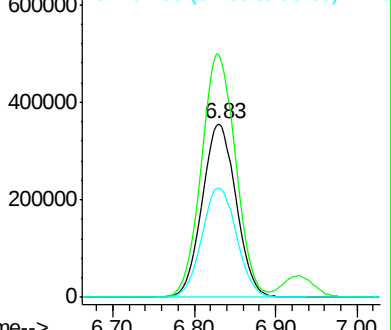
98 64.6 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN053400.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053400.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053400.D (-1480) (-)



#28

Bromochloromethane

Concen: 98.716 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

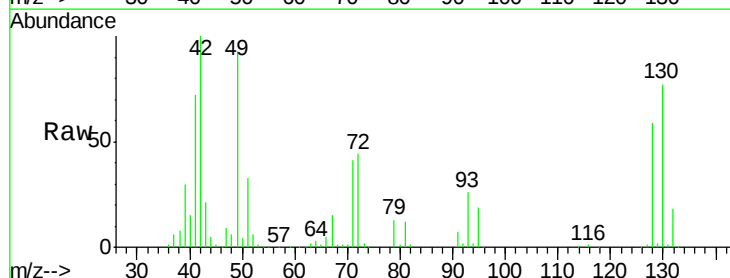
Tgt Ion: 49 Resp: 725233

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

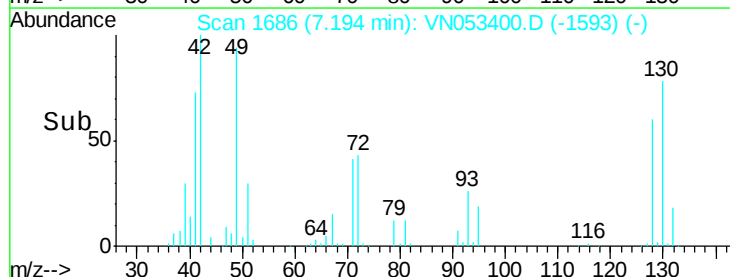
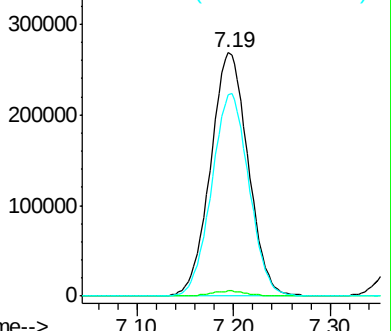
130 82.9 65.4 98.0

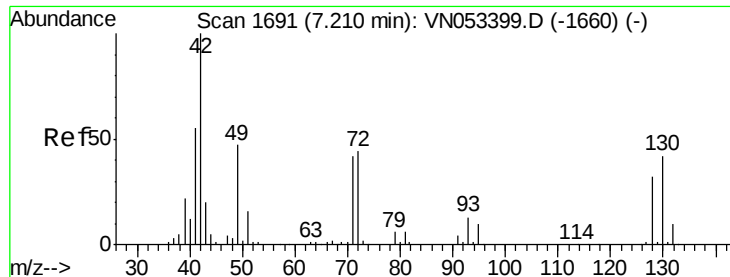


Abundance Ion 48.90 (48.60 to 49.60): VN053400.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053400.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053400.D (-1593) (-)

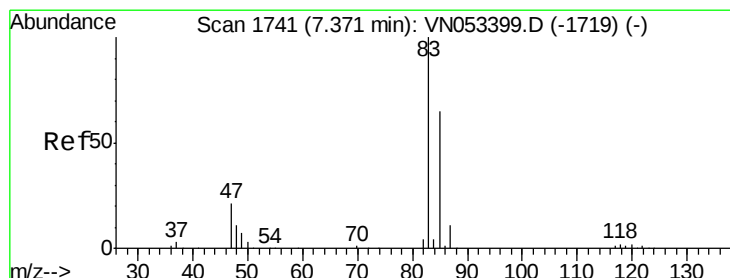
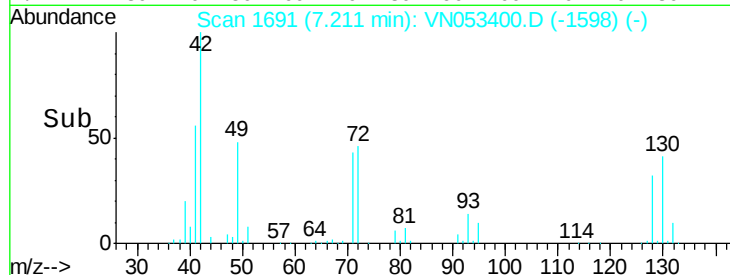
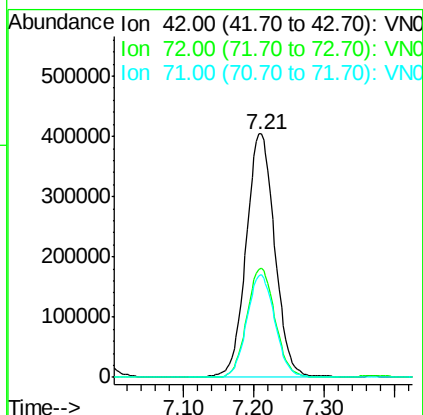
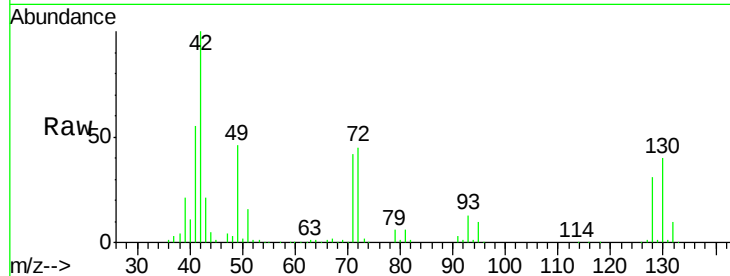




#29
Tetrahydrofuran
Concen: 524.742 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

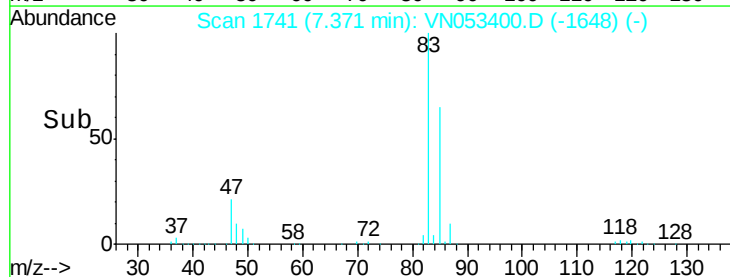
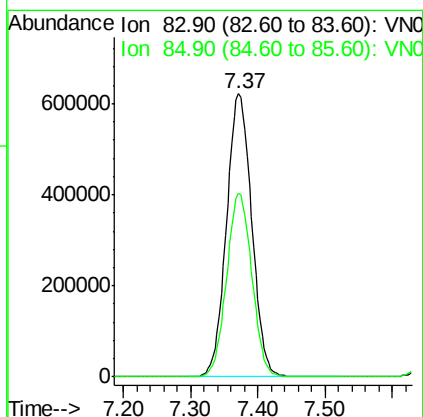
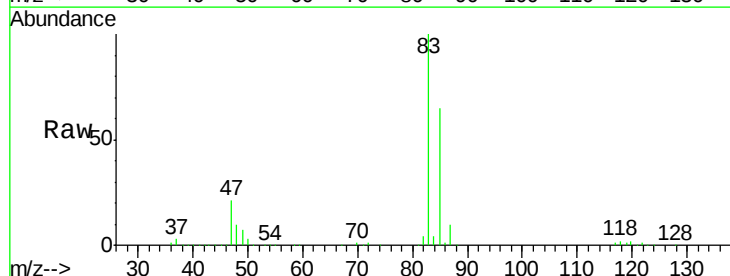
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

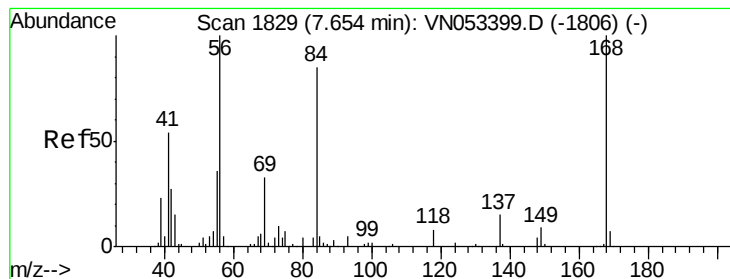
Tot Ion: 42 Resp: 1140682
Ion Ratio Lower Upper
42 100
72 44.2 35.6 53.4
71 41.2 33.8 50.8



#30
Chloroform
Concen: 99.627 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 83 Resp: 1618745
Ion Ratio Lower Upper
83 100
85 64.8 51.3 76.9





#31

Cyclohexane

Concen: 98.772 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

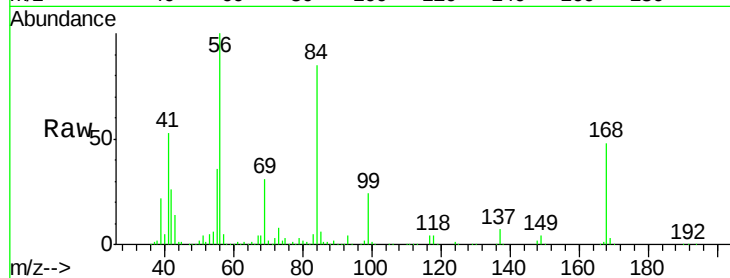
Tot Ion: 56 Resp: 1599442

Ion Ratio Lower Upper

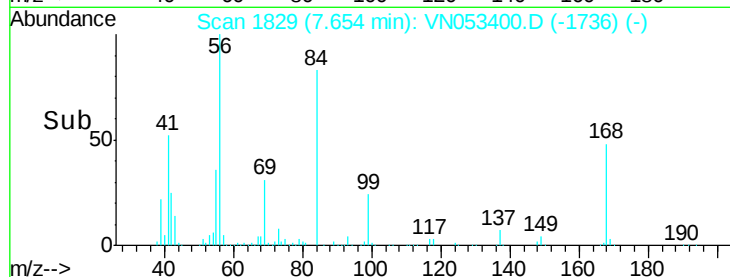
56 100

69 31.3 26.7 40.1

84 83.7 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN053400.D (-1736) (-)

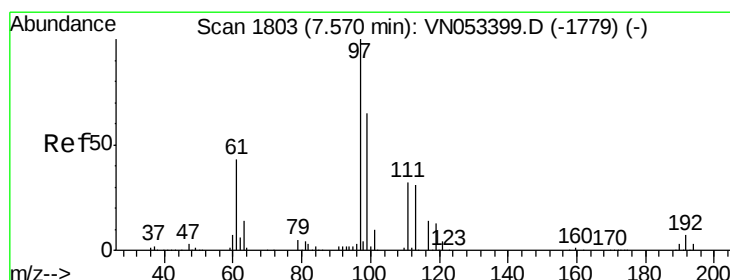


Ion 69.00 (68.70 to 69.70): VN053400.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053400.D (-1736) (-)

Time-->

7.55 7.60 7.65 7.70 7.75



#32

1,1,1-Trichloroethane

Concen: 101.399 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

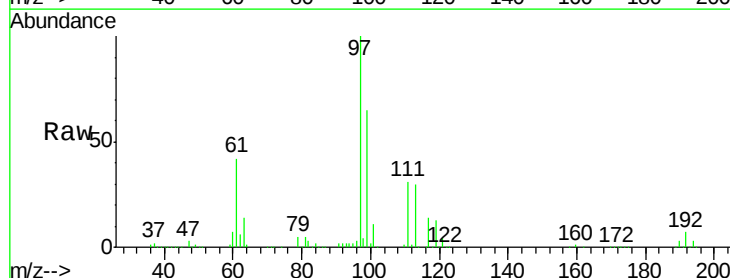
Tgt Ion: 97 Resp: 1397590

Ion Ratio Lower Upper

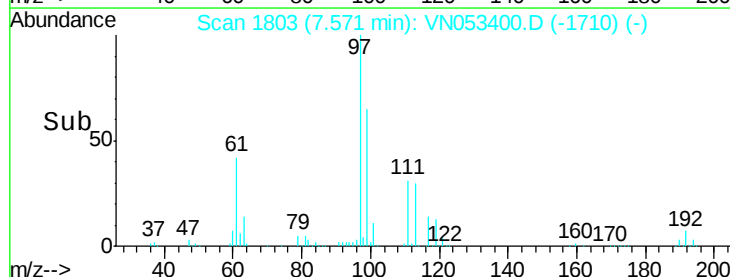
97 100

99 64.7 51.6 77.4

61 42.7 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VN053400.D (-1710) (-)

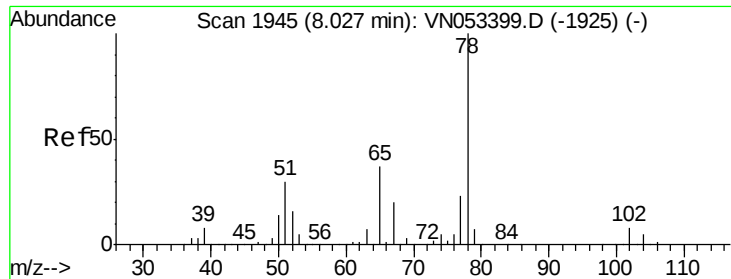


Ion 98.90 (98.60 to 99.60): VN053400.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053400.D (-1710) (-)

Time-->

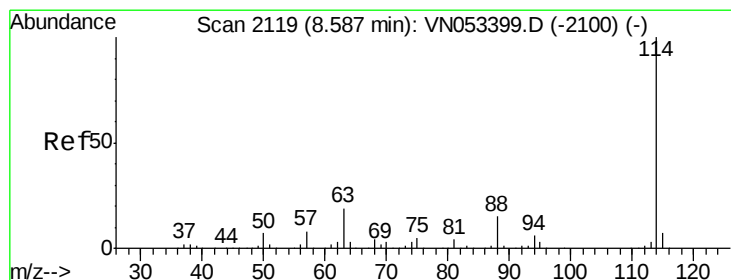
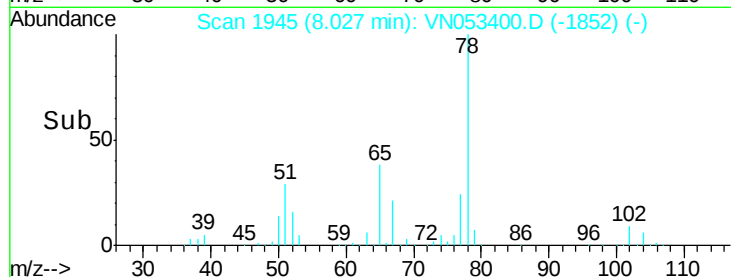
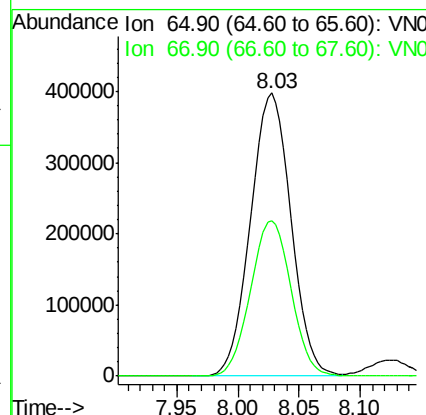
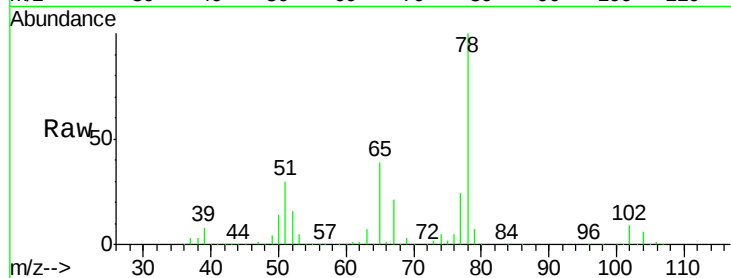
7.50 7.55 7.60 7.65 7.70



#33
 1,2-Dichloroethane-d4
 Concen: 101.399 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

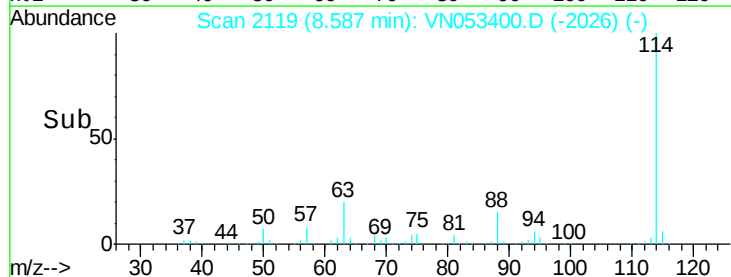
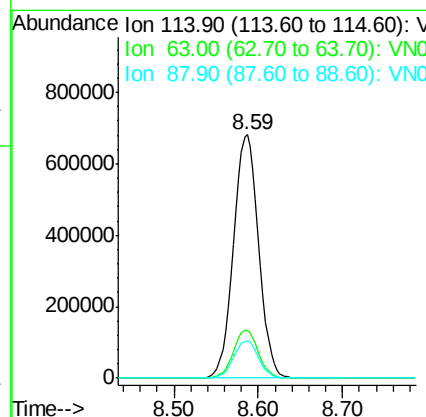
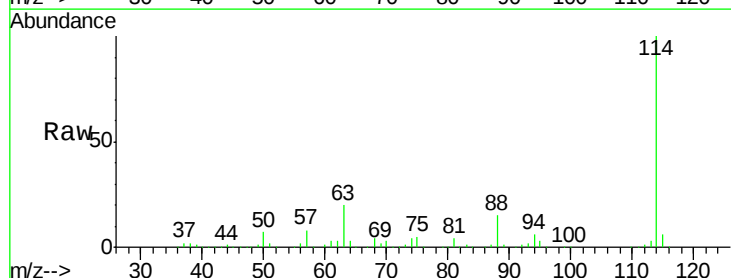
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

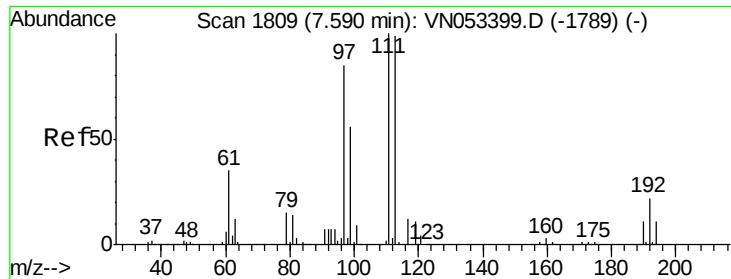
Tot Ion: 65 Resp: 913534
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion: 114 Resp: 1409270
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.8

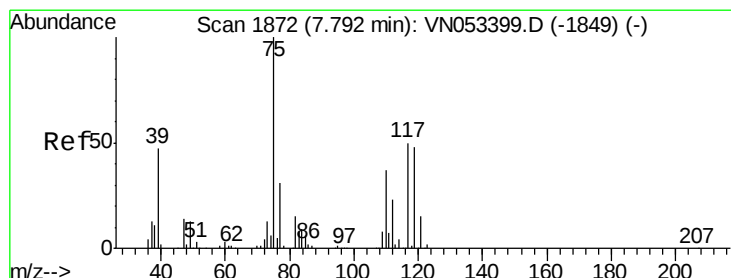
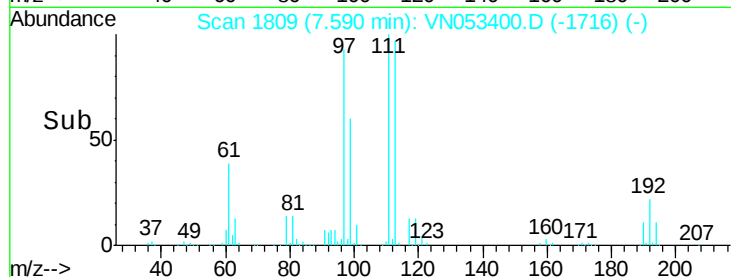
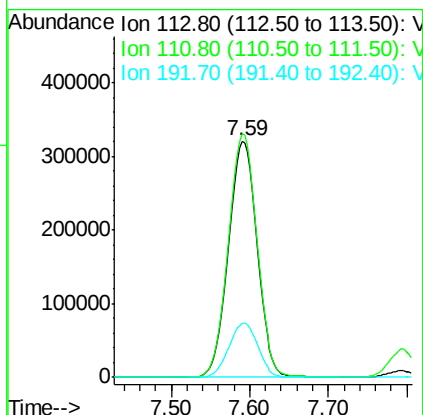
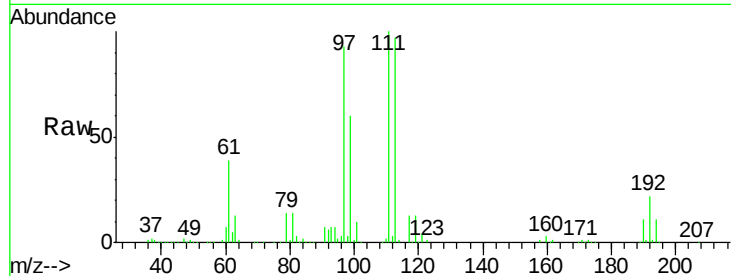




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

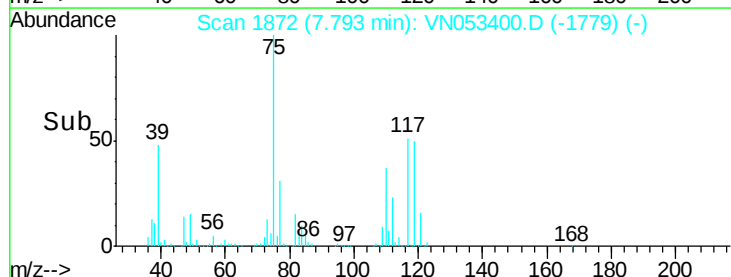
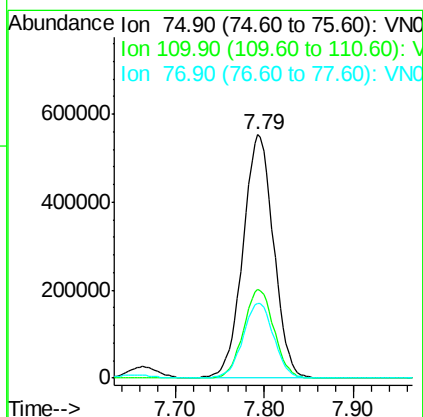
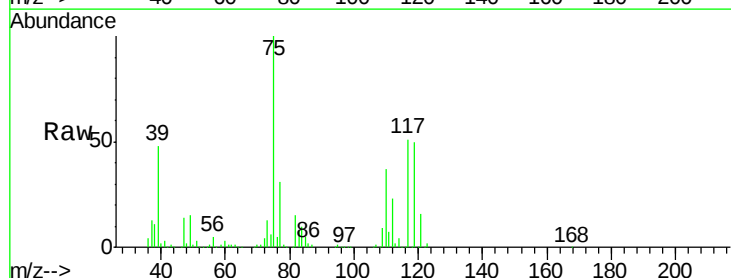
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

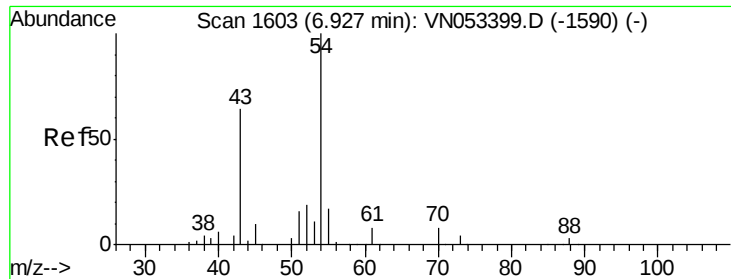
Tot Ion:113 Resp: 810831
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.2
192 23.3 17.9 26.9



#36
1,1-Dichloropropene
Concen: 102.220 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 75 Resp: 1311933
Ion Ratio Lower Upper
75 100
110 36.5 18.4 55.0
77 31.2 25.3 37.9

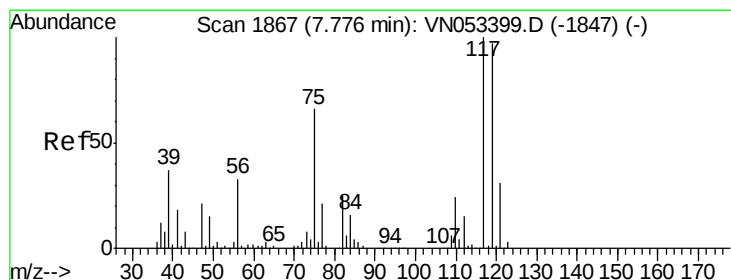
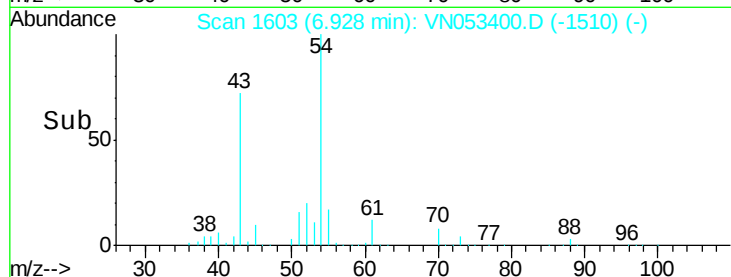
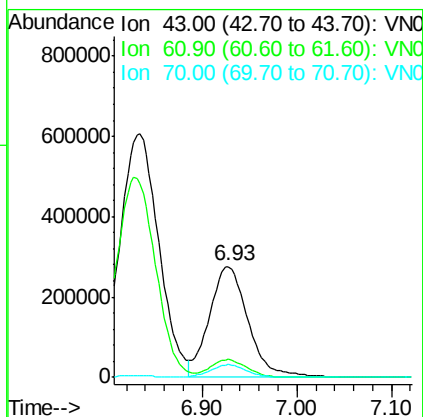
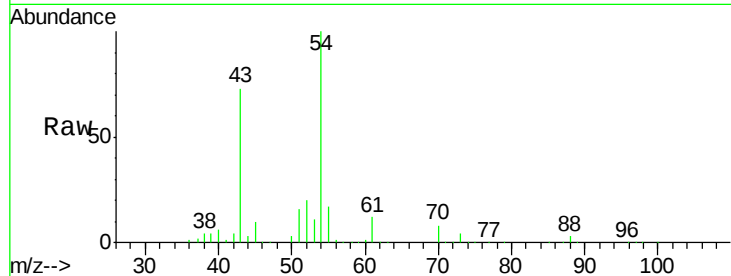




#37
Ethyl Acetate
Concen: 104.083 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

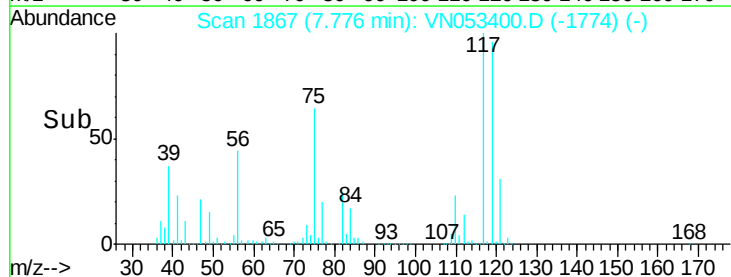
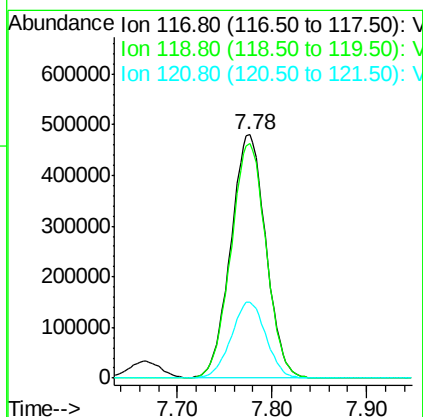
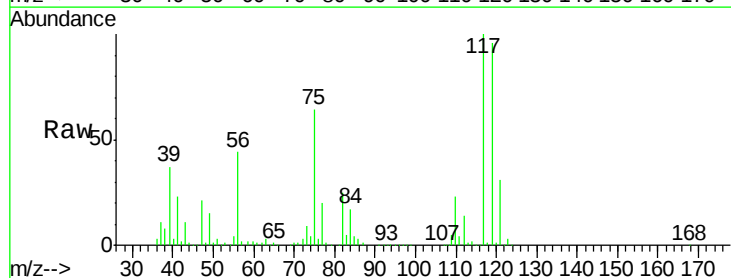
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

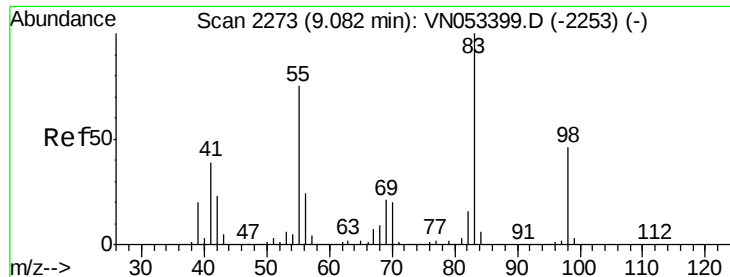
Tot Ion: 43 Resp: 774926
Ion Ratio Lower Upper
43 100
61 15.5 11.9 17.9
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 101.467 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 117 Resp: 1232908
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0
121 31.1 25.0 37.4

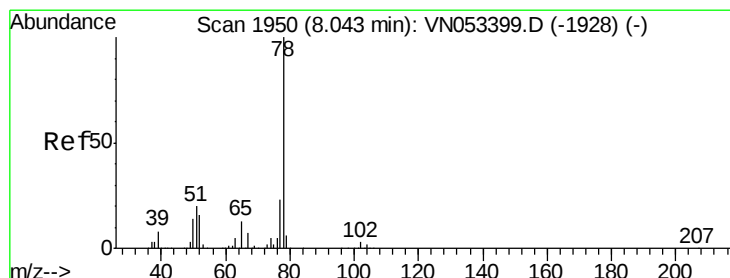
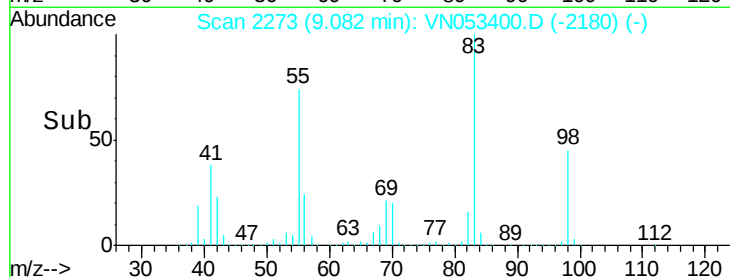
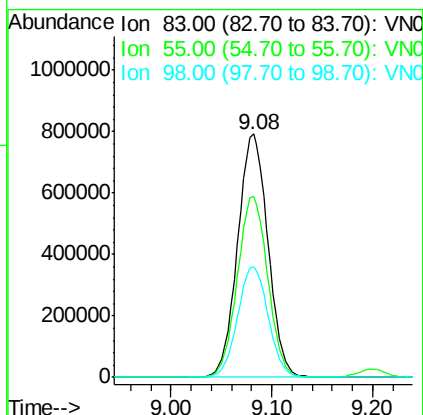
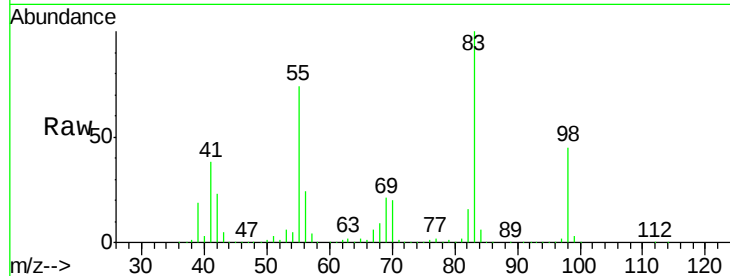




#39
Methvlcvclohexane
Concen: 103.764 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

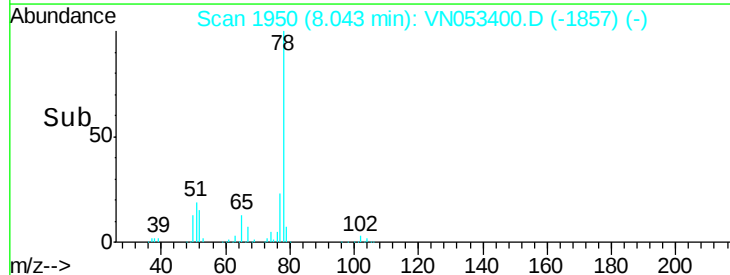
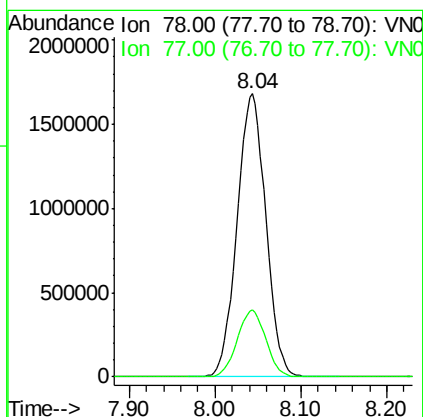
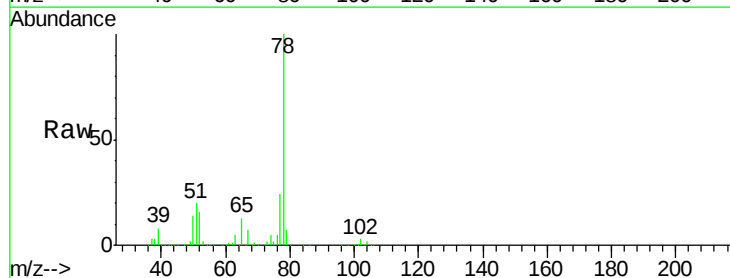
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

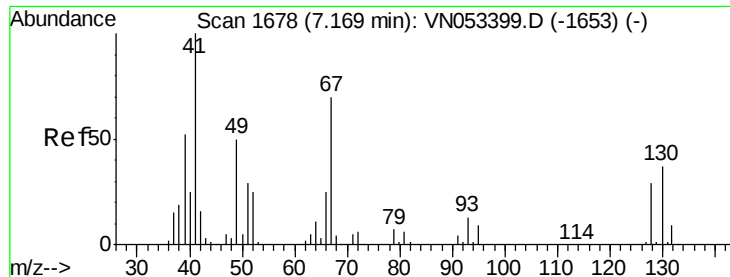
Tot Ion: 83 Resp: 1646022
Ion Ratio Lower Upper
83 100
55 74.5 60.1 90.1
98 45.4 36.7 55.1



#40
Benzene
Concen: 99.947 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 78 Resp: 3898070
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

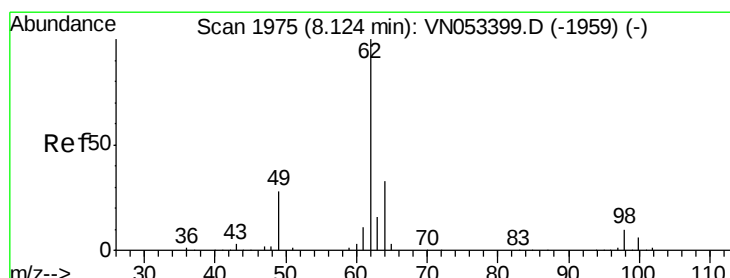
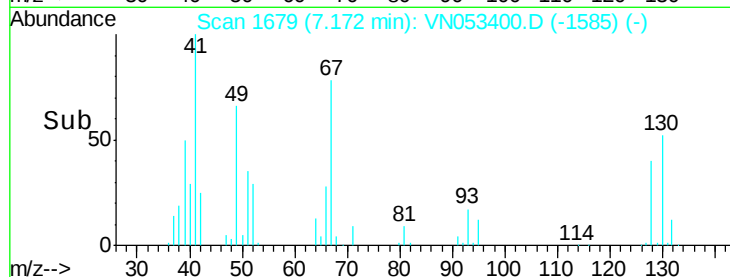
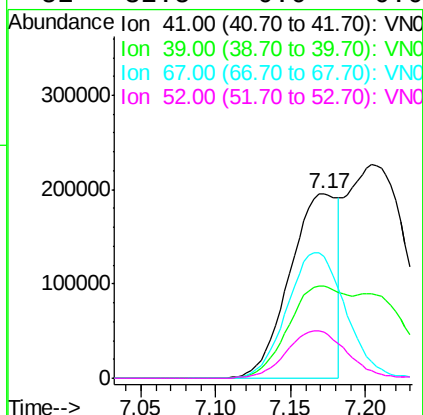
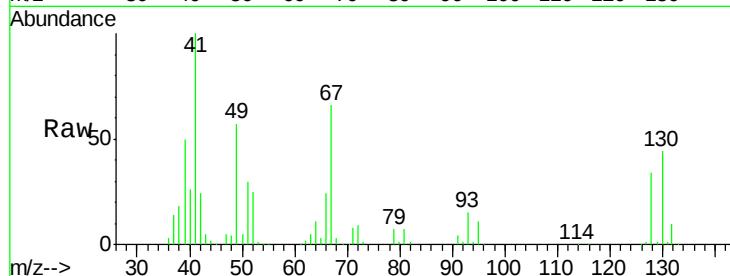




#41
Methacrylonitrile
Concen: 93.696 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

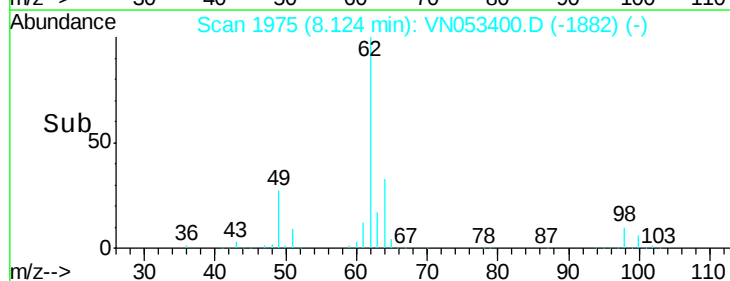
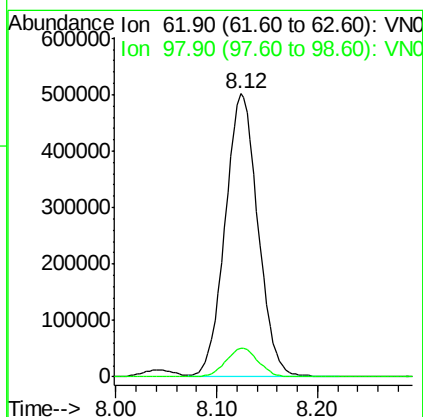
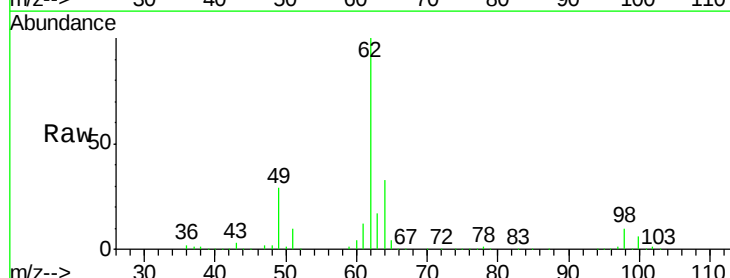
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

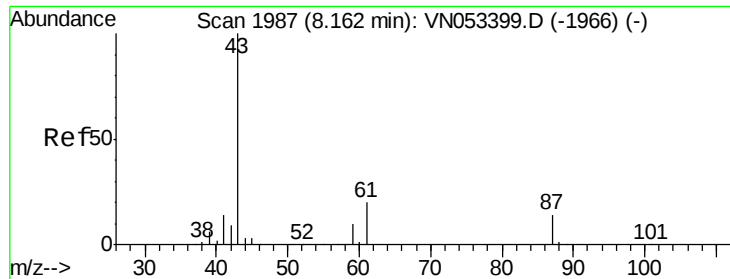
Tot Ion: 41 Resp: 431372
Ion Ratio Lower Upper
41 100
39 62.7 0.0 0.0#
67 84.1 0.0 0.0#
52 32.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 99.577 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 62 Resp: 1131416
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



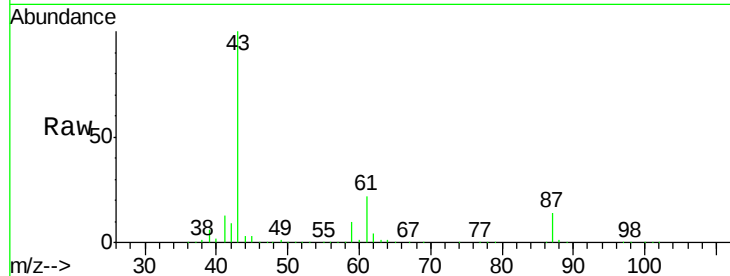


#43

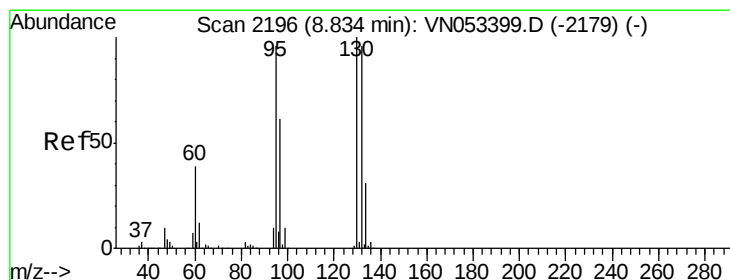
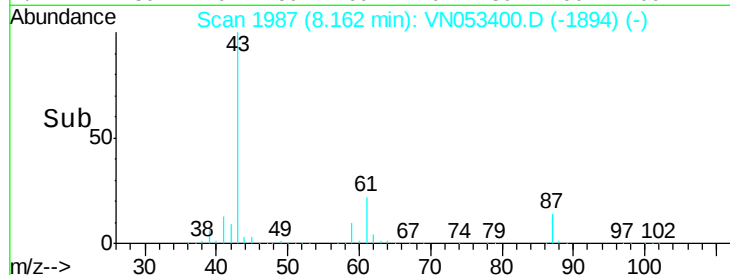
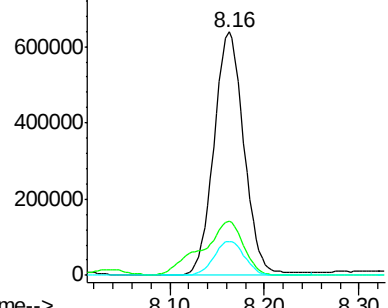
Isopropyl Acetate
 Concen: 101.910 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1412892
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.3 34.9
 87 14.2 10.8 16.2



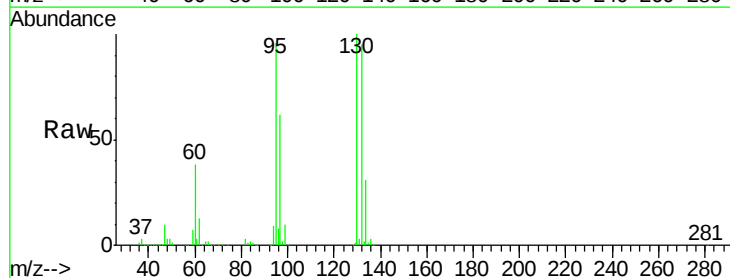
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



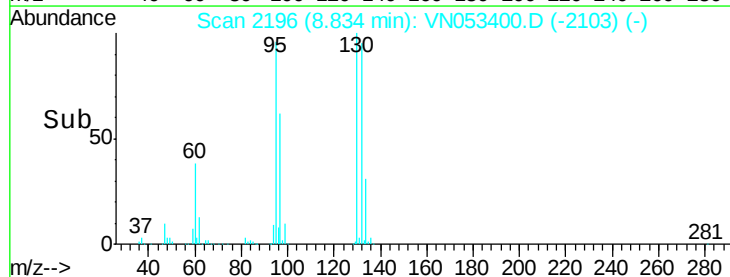
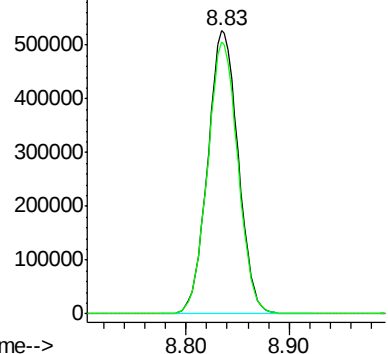
#44

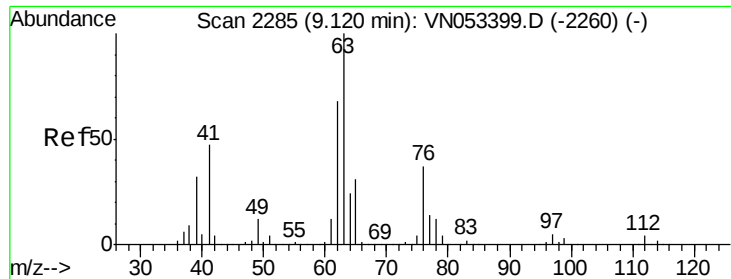
Trichloroethene
 Concen: 100.060 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion:130 Resp: 1082214
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 100.330 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

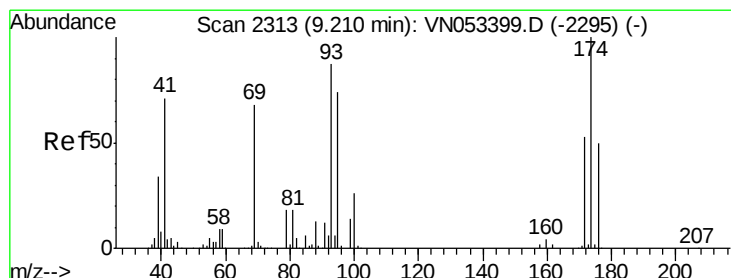
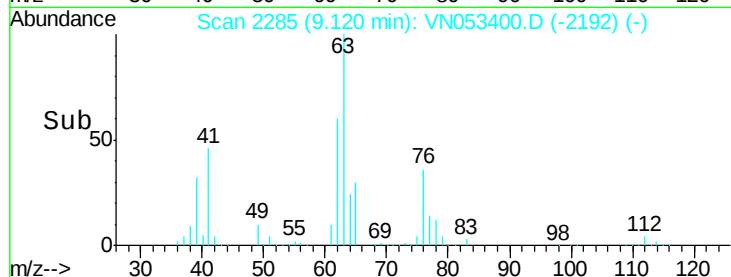
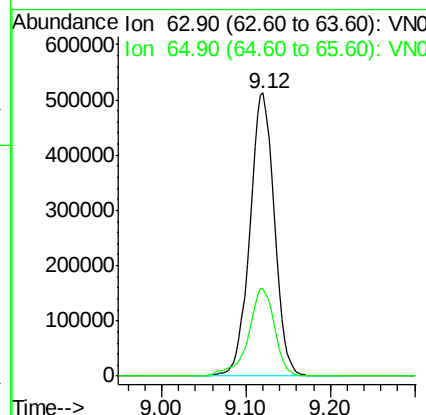
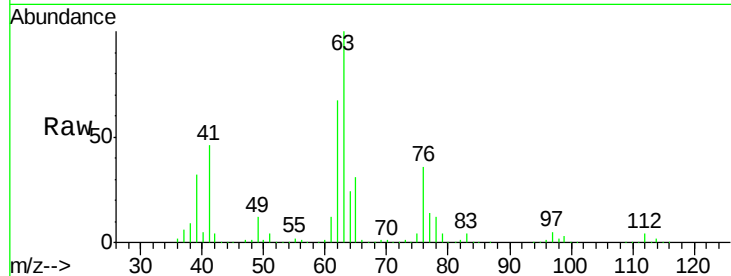
VSTDIC100

Tot Ion: 63 Resp: 1036435

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



#46

Dibromomethane

Concen: 99.286 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

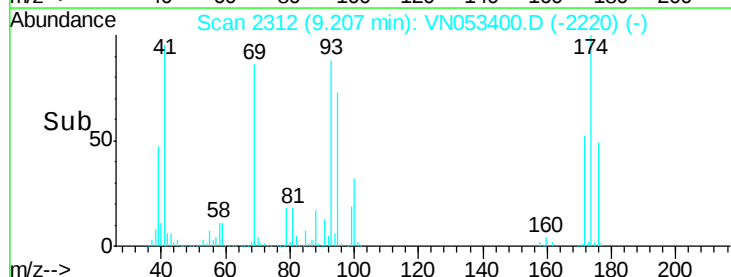
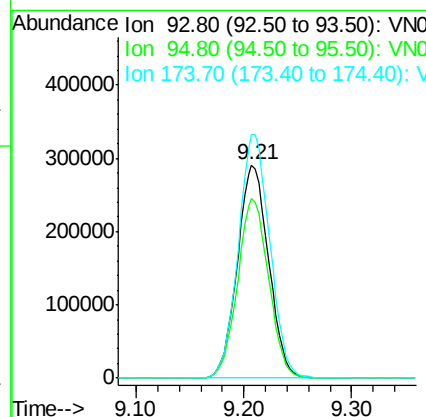
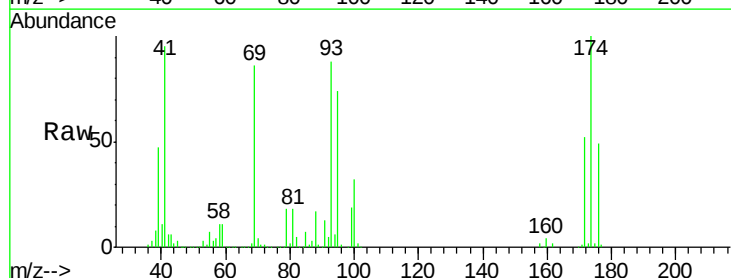
Tgt Ion: 93 Resp: 589275

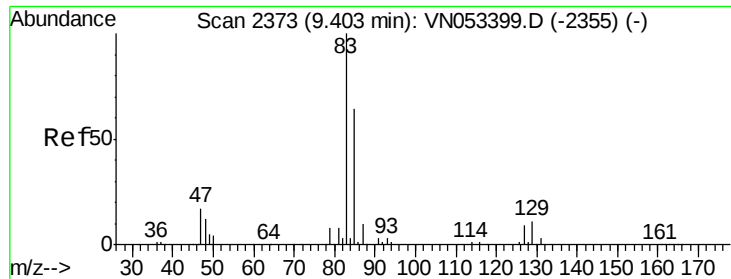
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 115.0 91.4 137.0





#47

Bromodichloromethane

Concen: 100.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

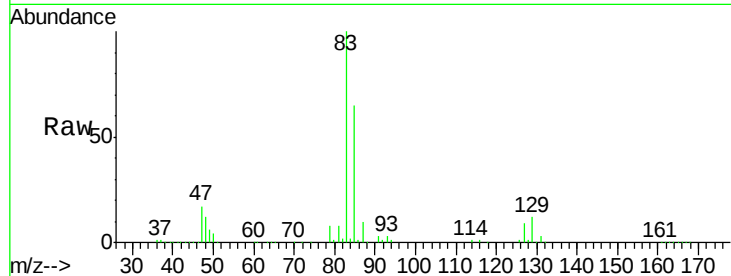
Tot Ion: 83 Resp: 1259459

Ion Ratio Lower Upper

83 100

85 64.9 51.7 77.5

127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053400.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053400.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053400.D (-2280) (-)

9.40

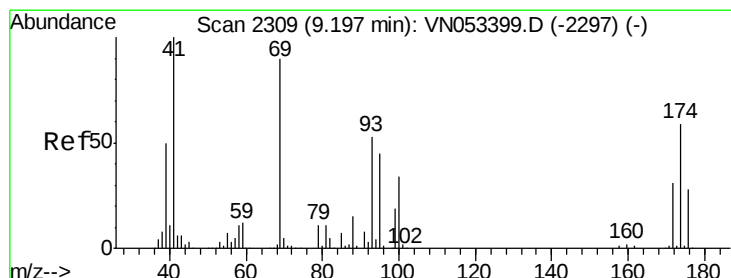
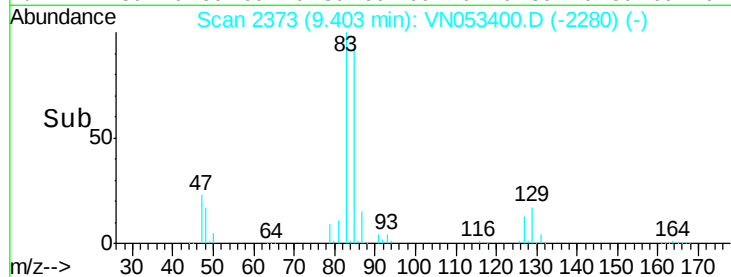
600000

400000

200000

0

Time-->



#48

Methyl methacrylate

Concen: 106.361 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

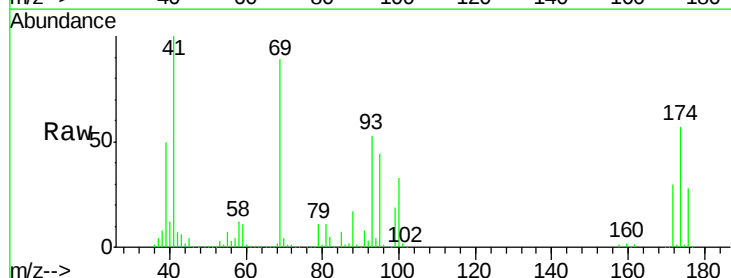
Tgt Ion: 41 Resp: 729148

Ion Ratio Lower Upper

41 100

69 91.9 73.5 110.3

39 52.2 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053400.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053400.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053400.D (-2216) (-)

9.20

500000

400000

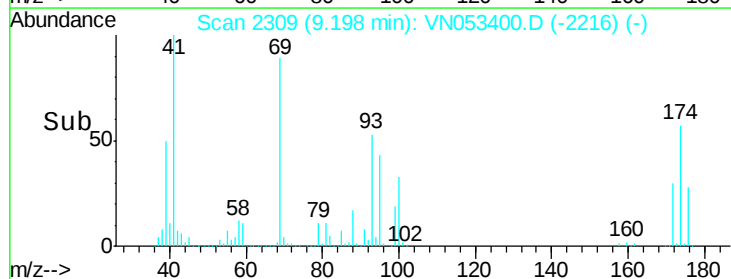
300000

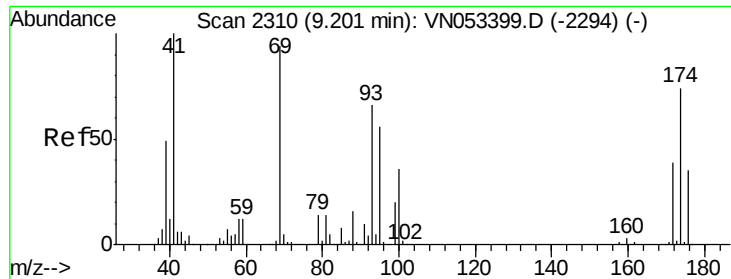
200000

100000

0

Time-->





#49

1,4-Dioxane

Concen: 2046.231 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

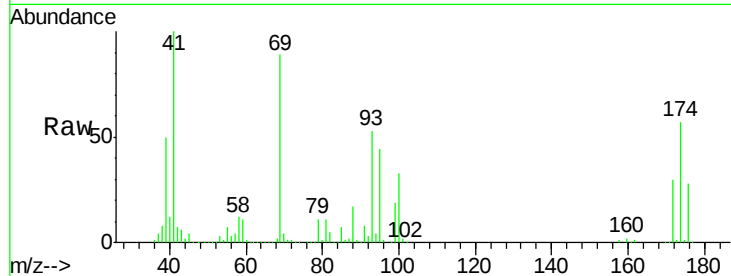
Tot Ion: 88 Resp: 136998

Ion Ratio Lower Upper

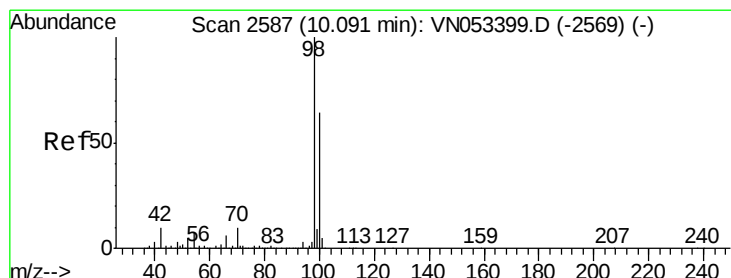
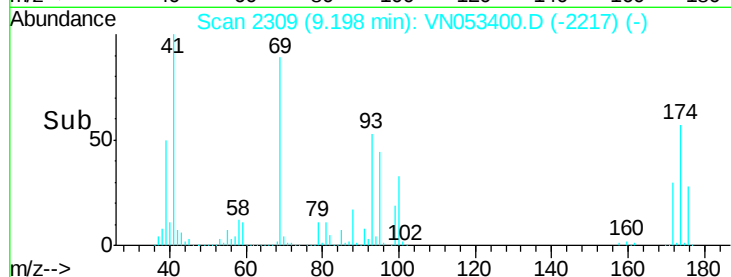
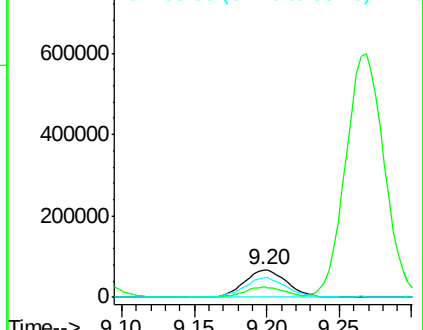
88 100

43 34.5 26.2 39.4

58 70.2 55.5 83.3



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



#50

Toluene-d8

Concen: 2046.231 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053400.D

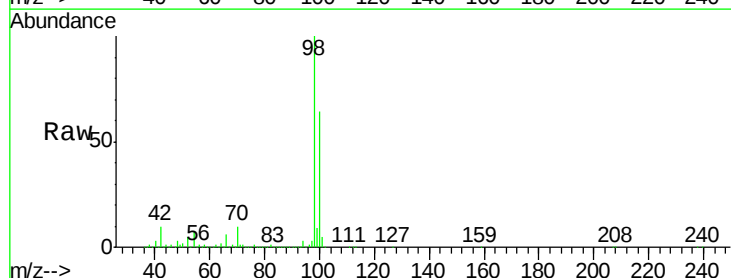
Acq: 15 Jan 2019 11:02

Tgt Ion: 98 Resp: 3430369

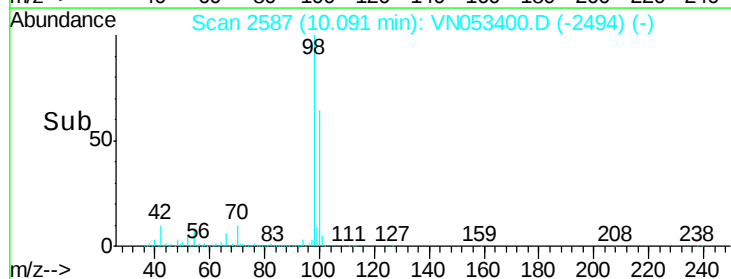
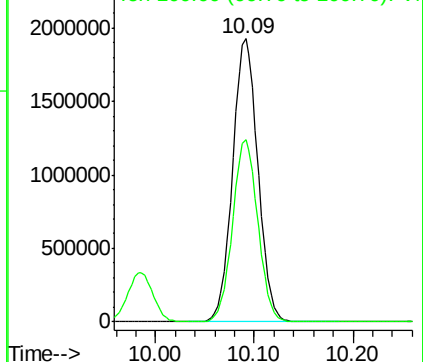
Ion Ratio Lower Upper

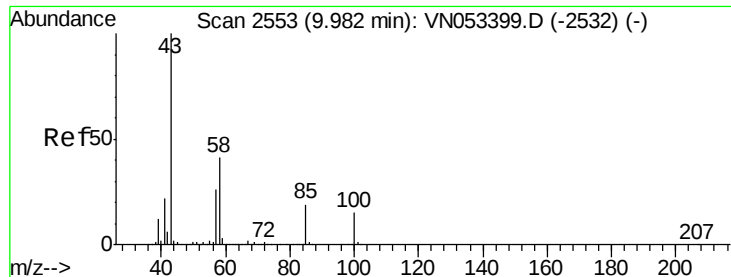
98 100

100 64.4 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 530.347 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

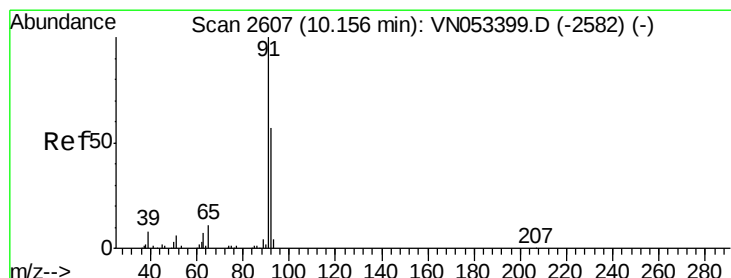
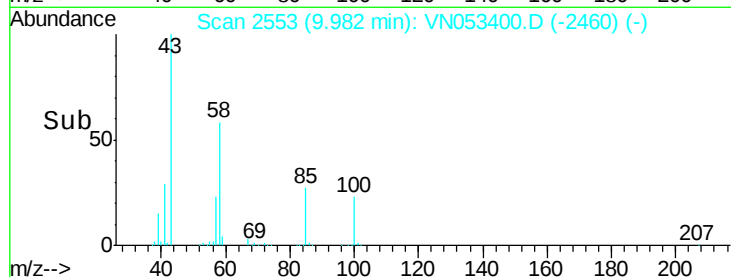
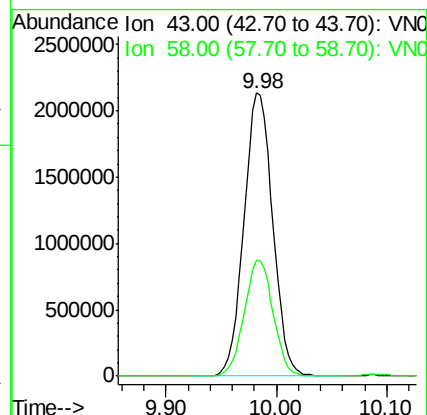
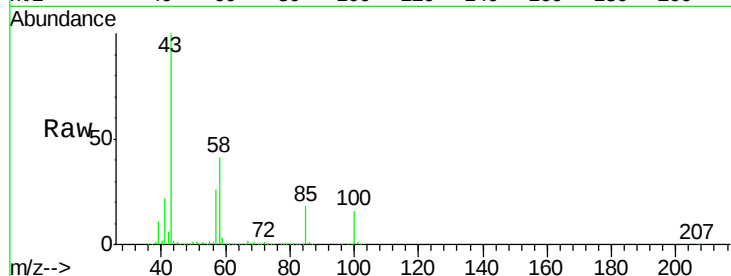
VSTDIC100

Tot Ion: 43 Resp: 3843960

Ion Ratio Lower Upper

43 100

58 41.0 32.7 49.1



#52

Toluene

Concen: 101.301 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053400.D

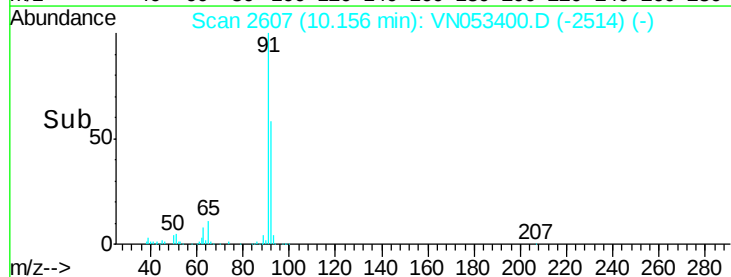
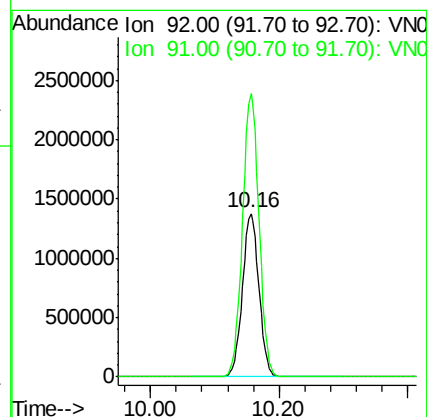
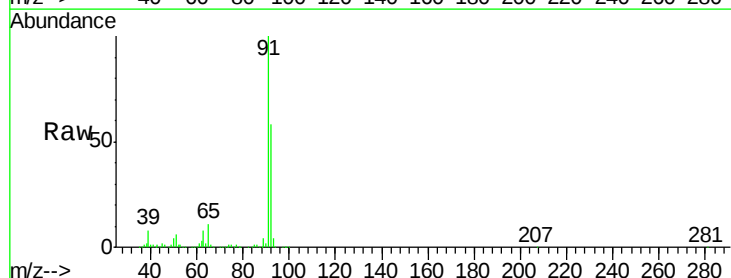
Acq: 15 Jan 2019 11:02

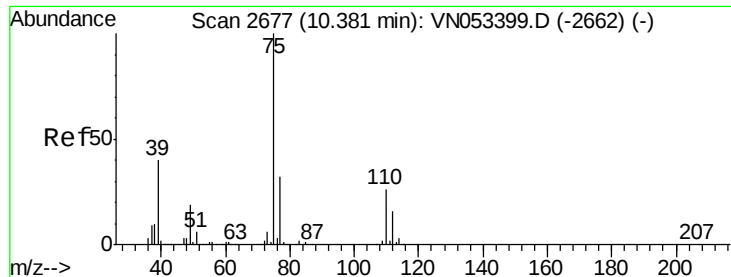
Tgt Ion: 92 Resp: 2452795

Ion Ratio Lower Upper

92 100

91 174.0 138.6 208.0

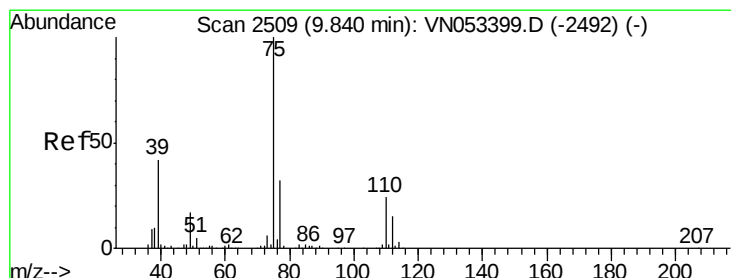
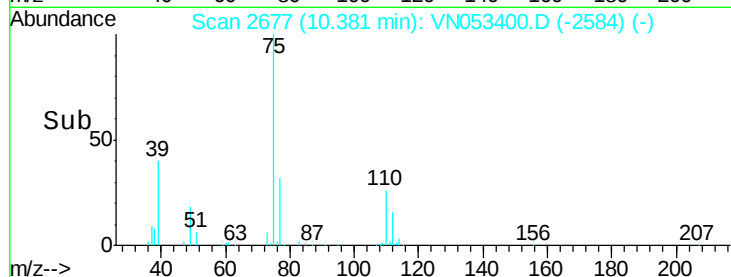
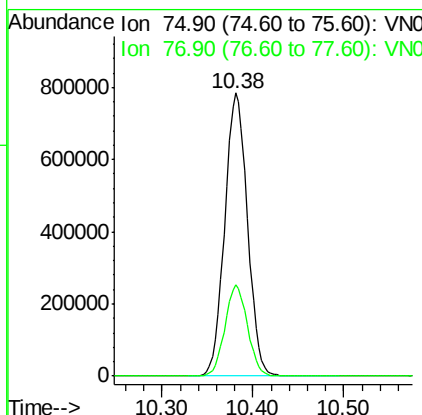
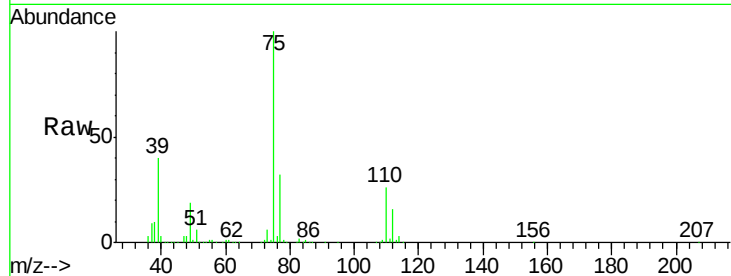




#53
t-1,3-Dichloropropene
Concen: 107.575 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

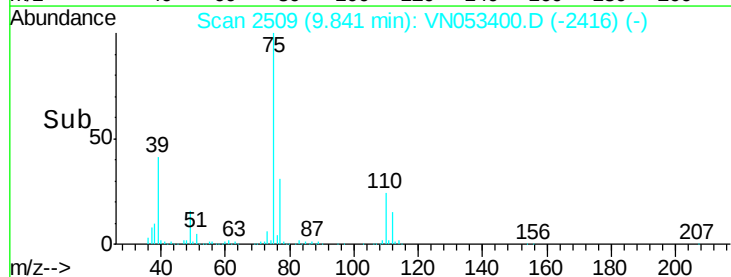
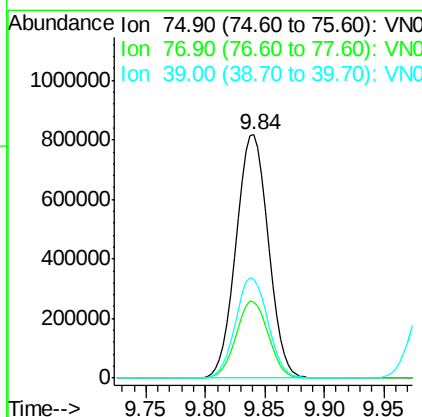
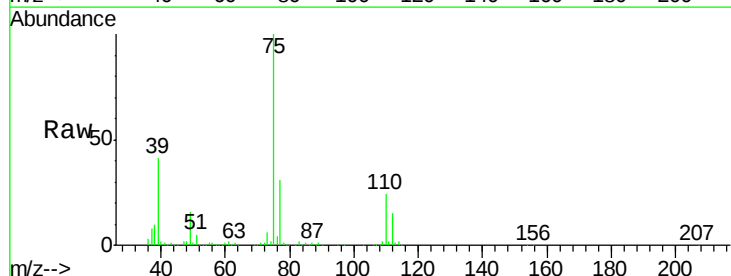
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

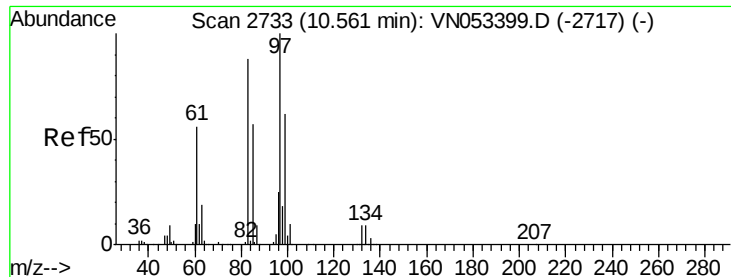
Tot Ion: 75 Resp: 1360953
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 103.901 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 75 Resp: 1540900
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 40.8 33.1 49.7





#55

1,1,2-Trichloroethane

Concen: 101.714 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 849081

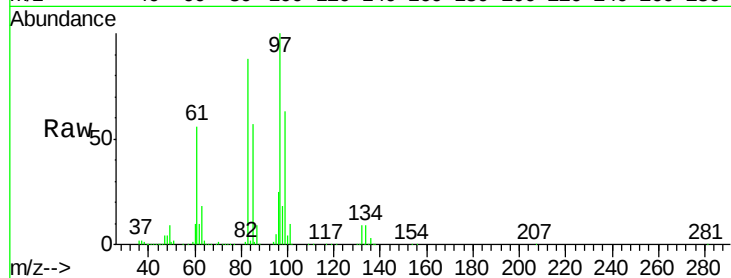
Ion Ratio Lower Upper

97 100

83 88.2 69.1 103.7

85 57.1 44.2 66.4

99 62.9 50.3 75.5

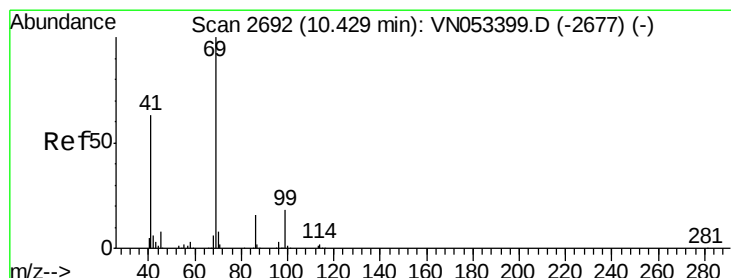
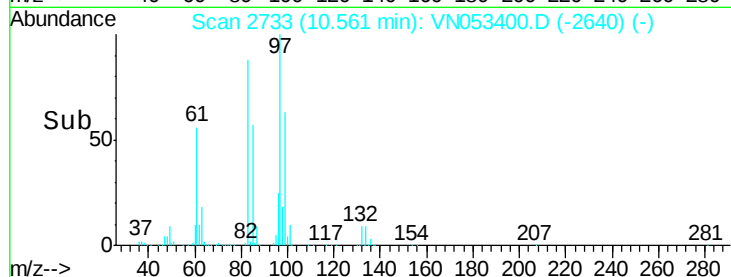
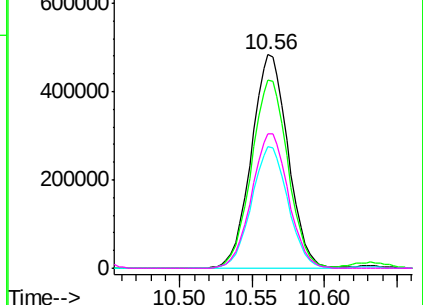


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 97.098 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

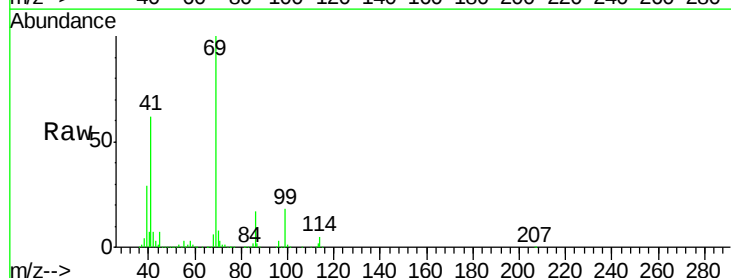
Tgt Ion: 69 Resp: 1174251

Ion Ratio Lower Upper

69 100

41 62.4 49.2 73.8

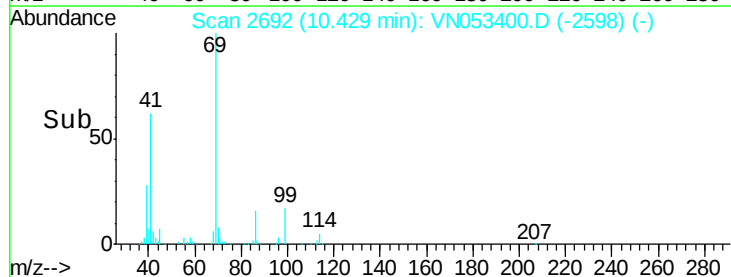
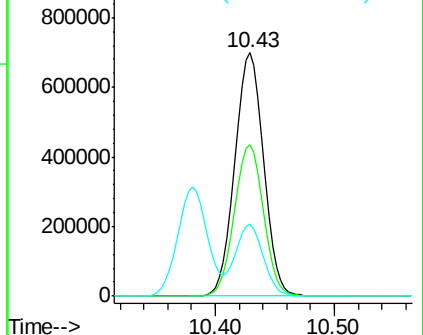
39 28.6 23.4 35.0

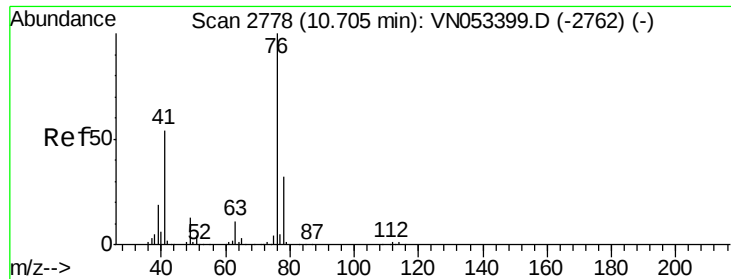


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

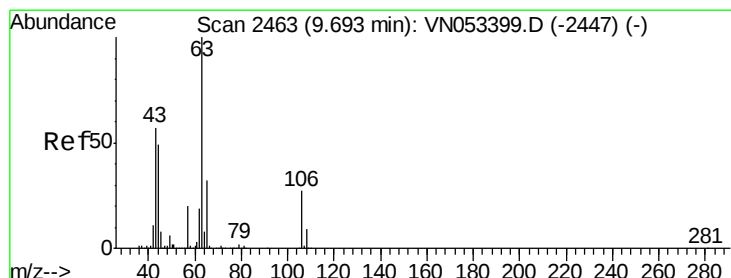
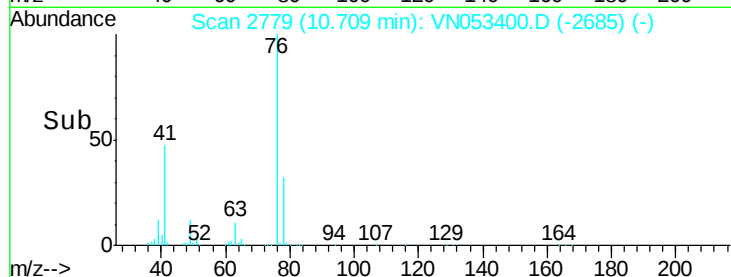
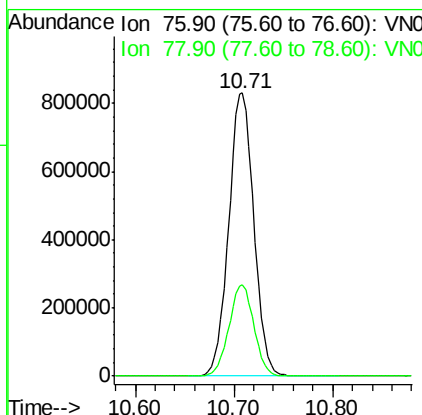
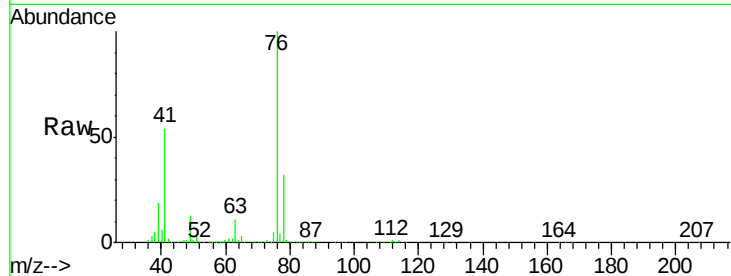




#57
 1,3-Dichloropropane
 Concen: 102.171 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

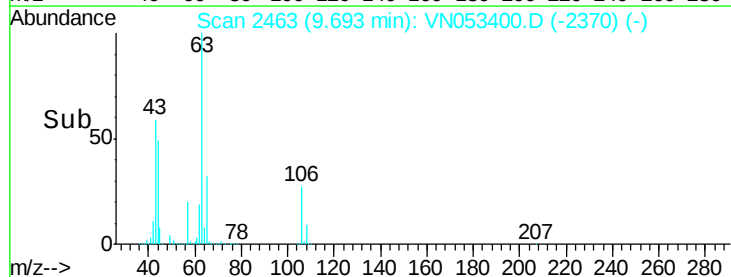
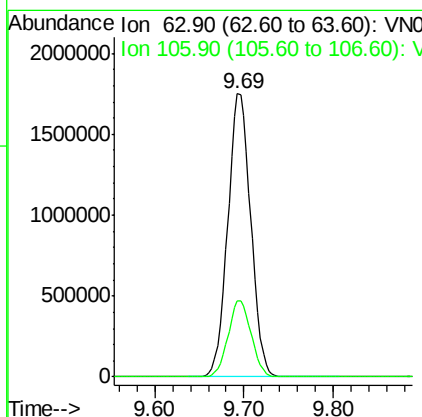
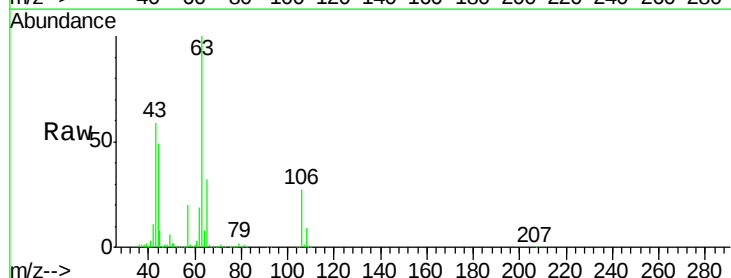
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

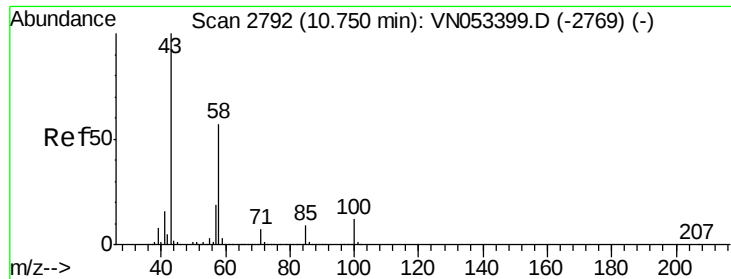
Tot Ion: 76 Resp: 1475408
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 533.161 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion: 63 Resp: 3113645
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

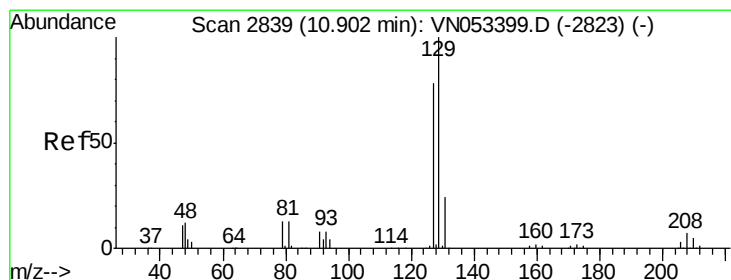
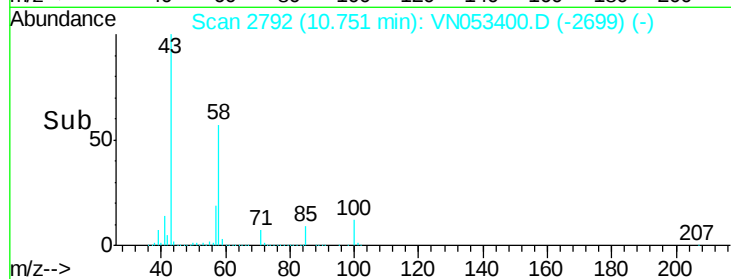
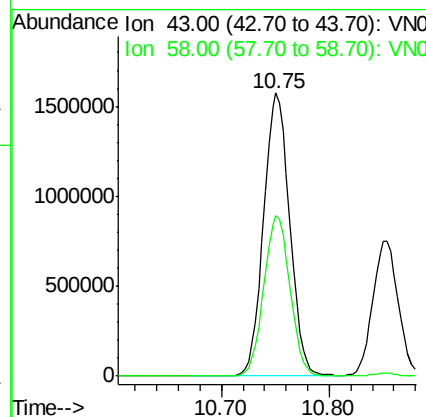
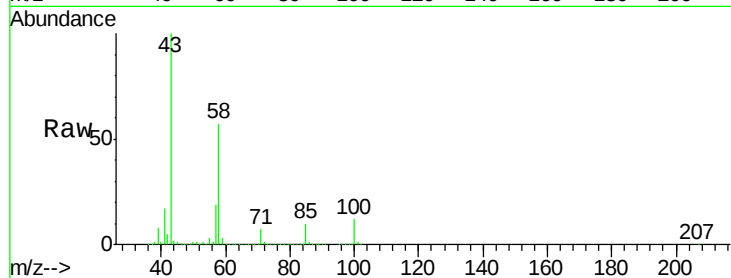




#59
2-Hexanone
Concen: 517.627 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

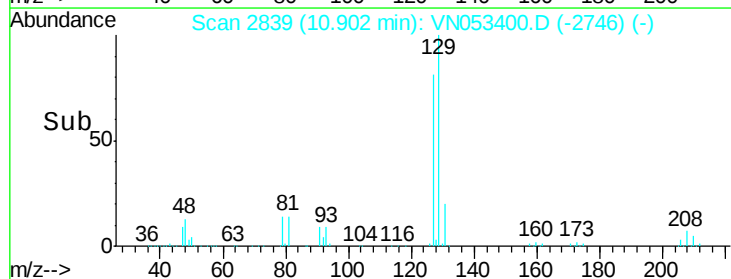
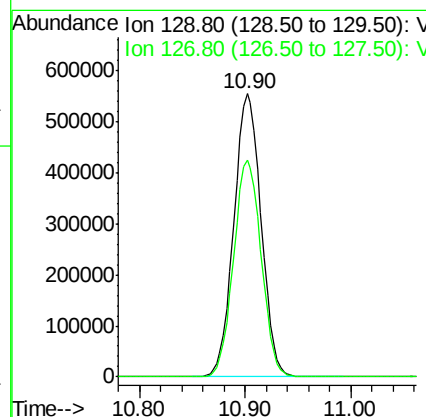
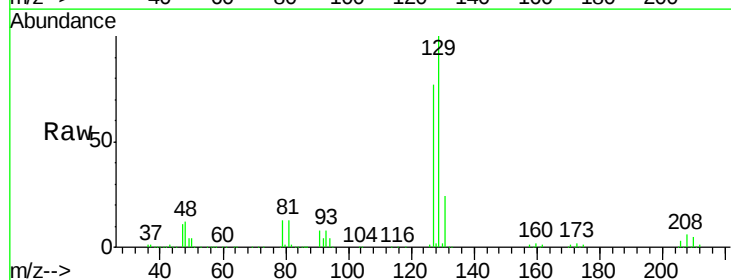
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

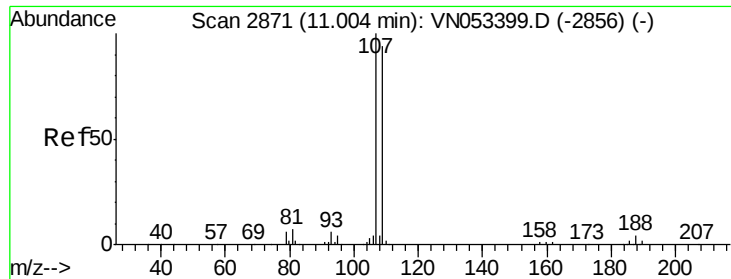
Tot Ion: 43 Resp: 2633694
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0



#60
Dibromochloromethane
Concen: 104.620 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 129 Resp: 990550
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2

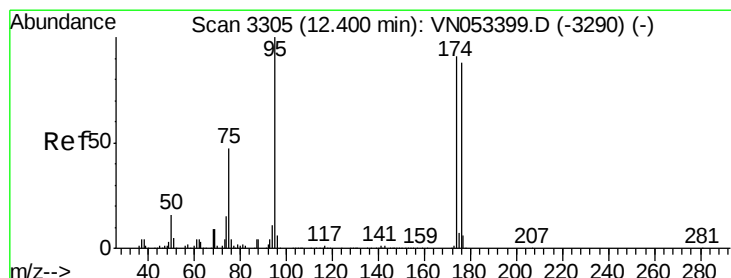
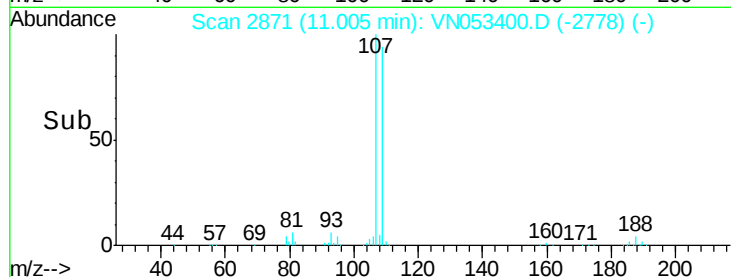
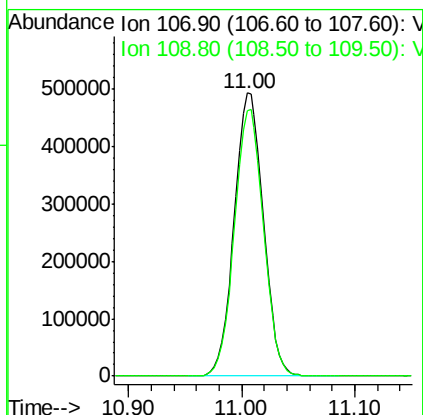
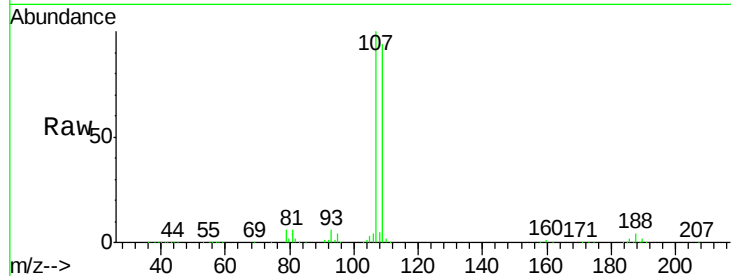




#61
 1,2-Dibromoethane
 Concen: 104.749 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

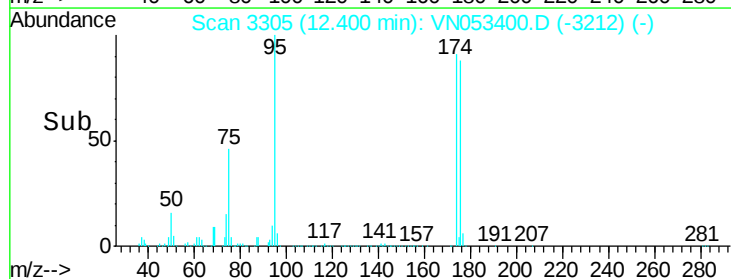
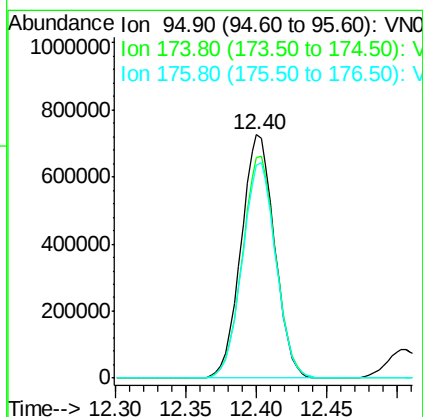
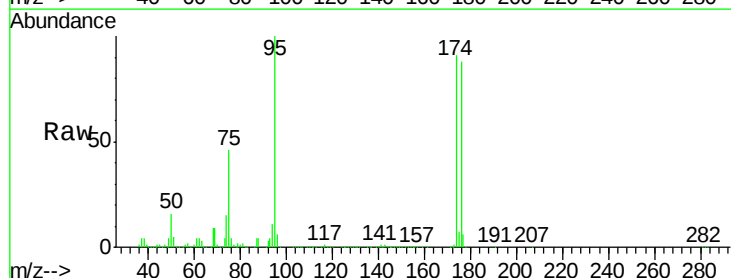
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

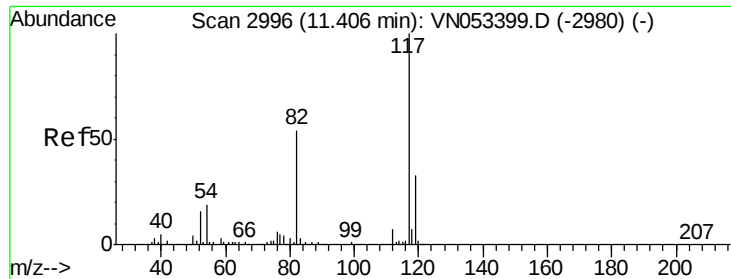
Tot Ion:107 Resp: 884349
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 104.749 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion: 95 Resp: 1206287
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 180.4
 176 88.6 0.0 175.6

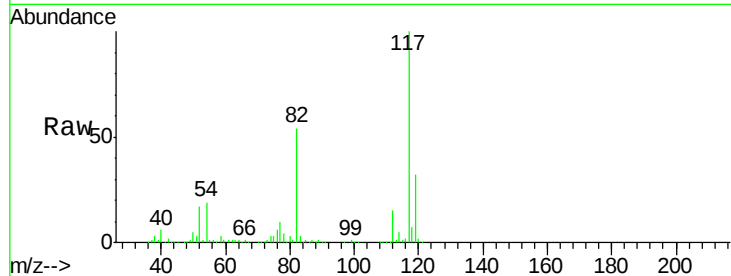




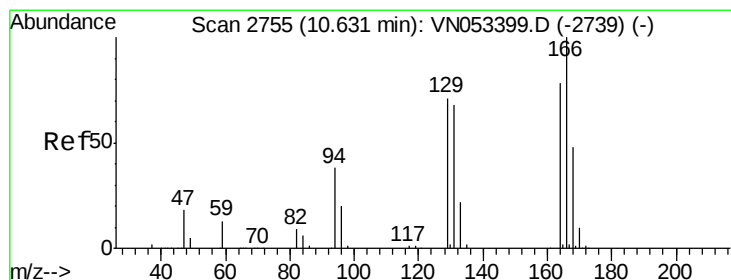
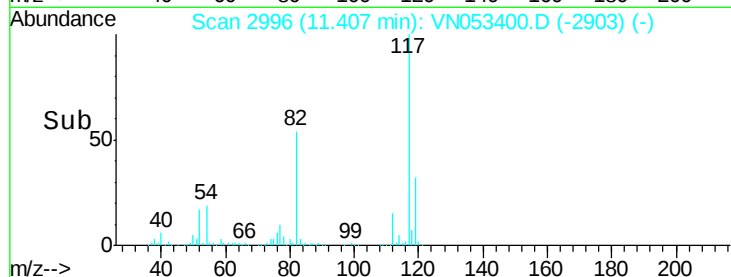
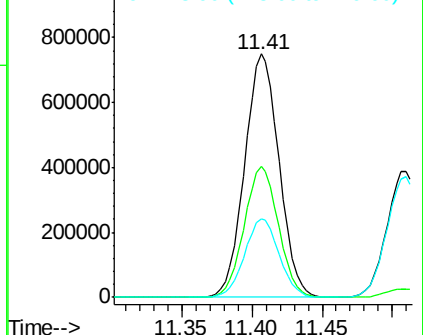
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1282566
Ion Ratio Lower Upper
117 100
82 53.7 42.9 64.3
119 32.4 25.6 38.4

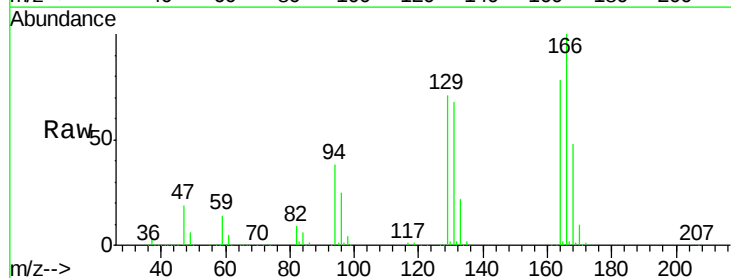


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

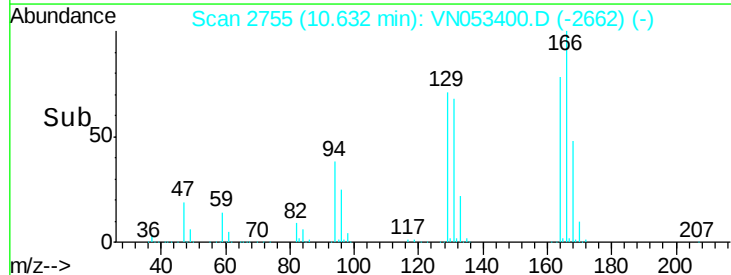
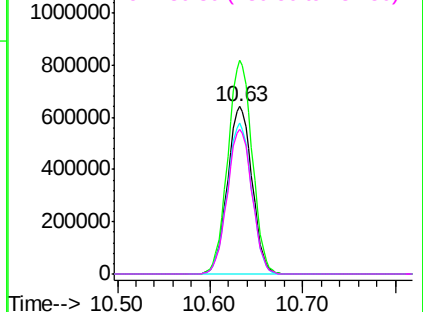


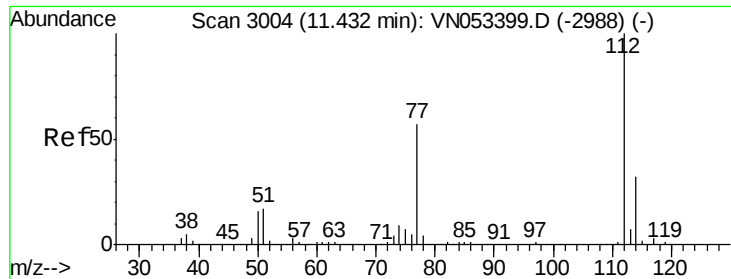
#64
Tetrachloroethene
Concen: 97.087 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion:164 Resp: 1173468
Ion Ratio Lower Upper
164 100
166 127.6 101.7 152.5
129 90.0 72.1 108.1
131 86.6 69.9 104.9



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

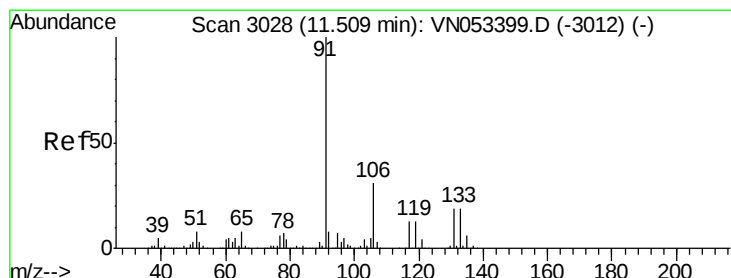
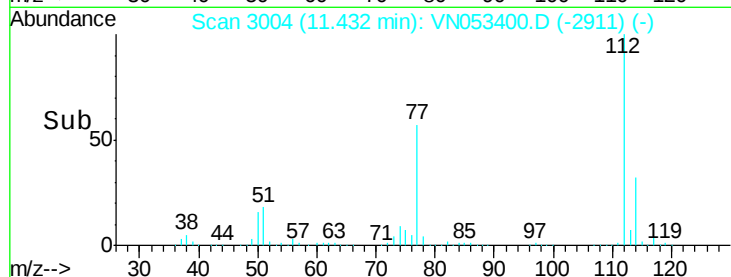
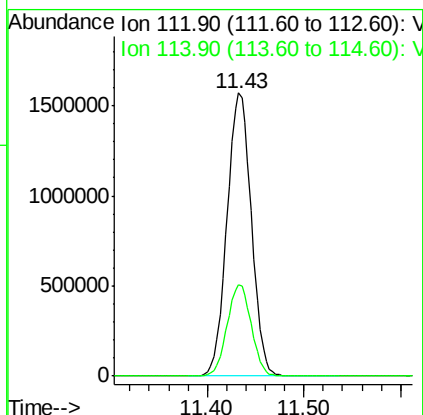
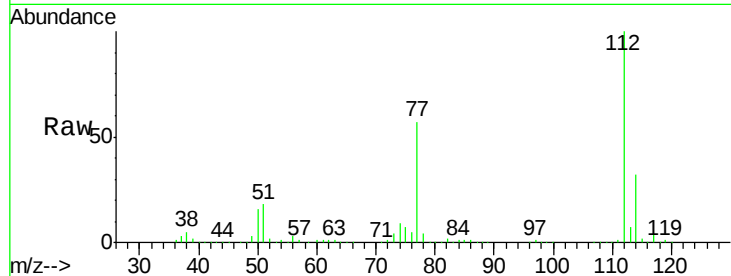




#65
Chlorobenzene
Concen: 100.901 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

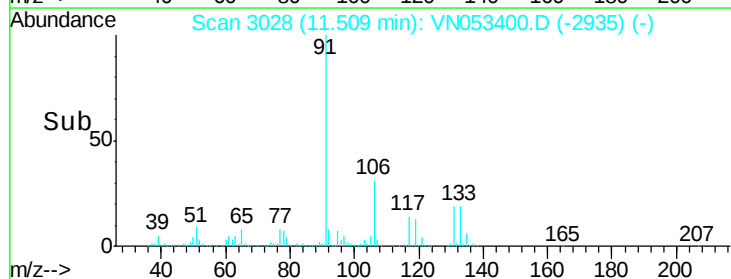
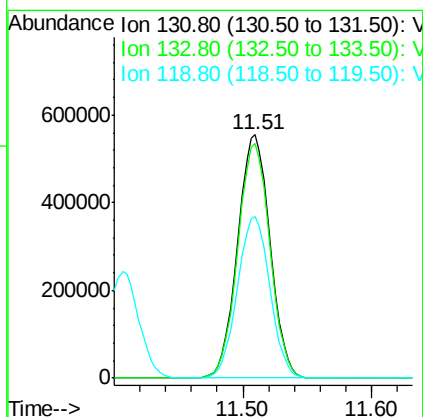
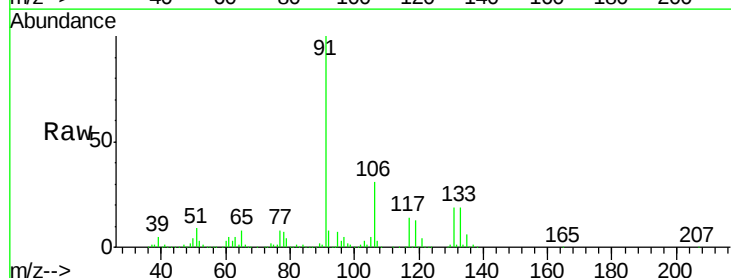
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

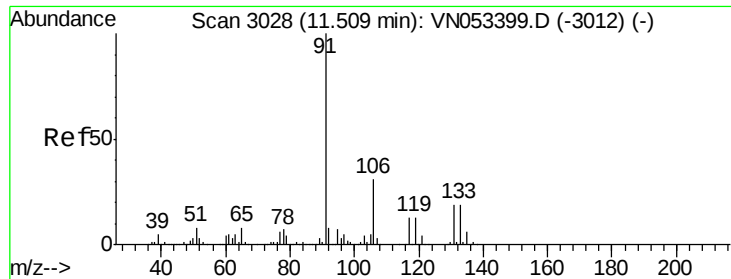
Tot Ion:112 Resp: 2739220
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 102.752 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion:131 Resp: 970418
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 66.6 33.3 99.9

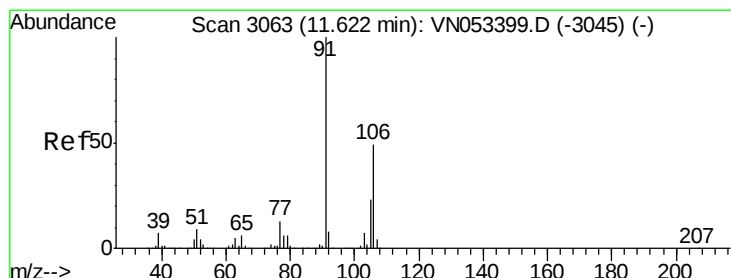
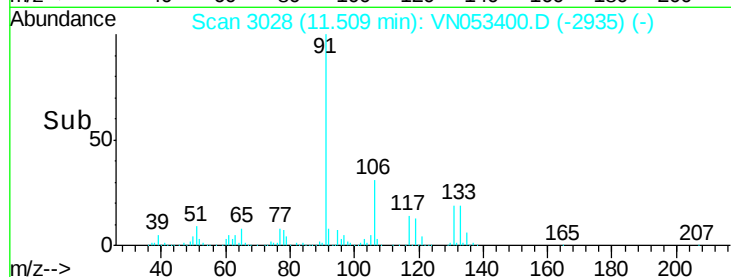
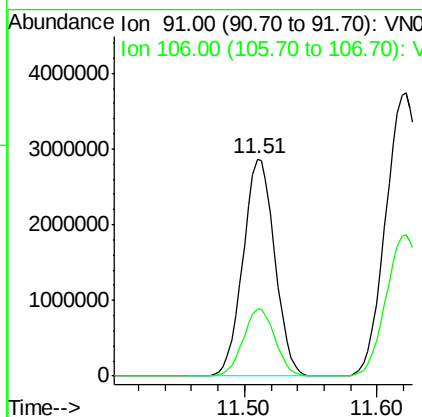
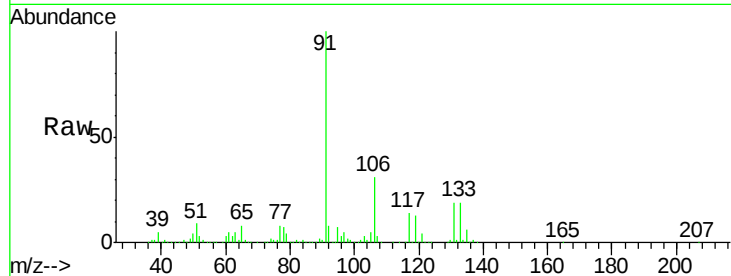




#67
Ethyl Benzene
Concen: 102.728 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

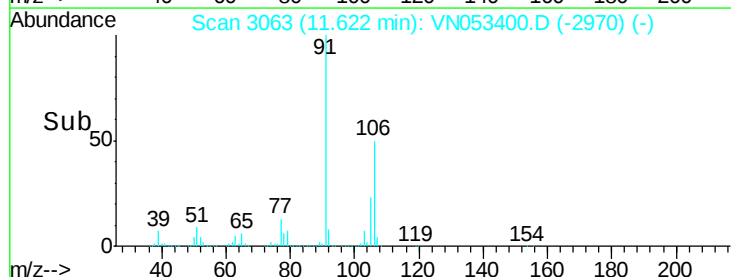
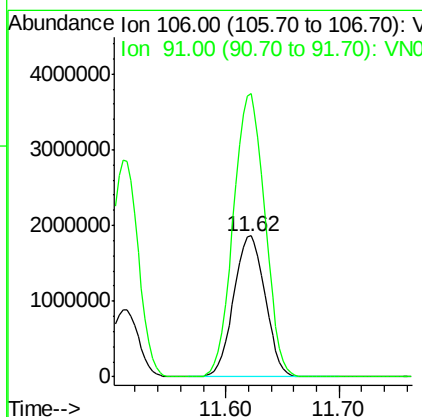
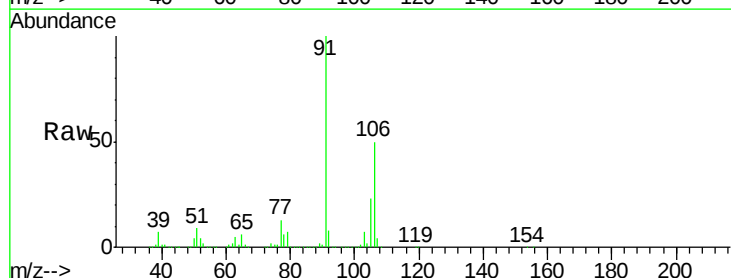
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

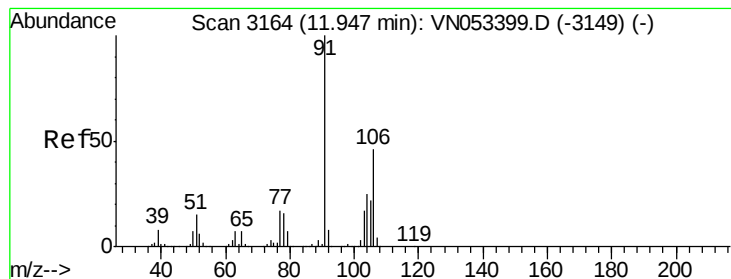
Tot Ion: 91 Resp: 4752820
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 207.100 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 106 Resp: 3617646
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2





#69

o-Xylene

Concen: 103.256 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

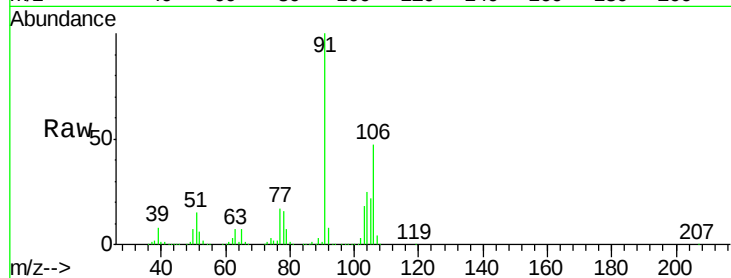
VSTDIC100

Tot Ion:106 Resp: 1752618

Ion Ratio Lower Upper

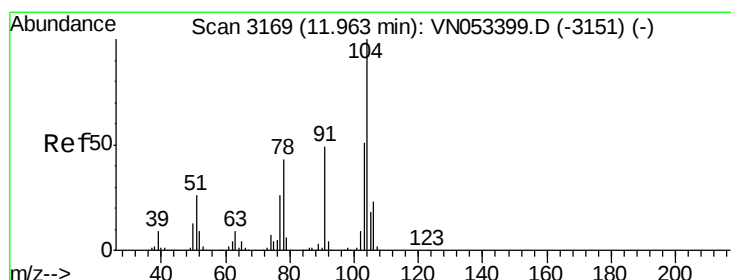
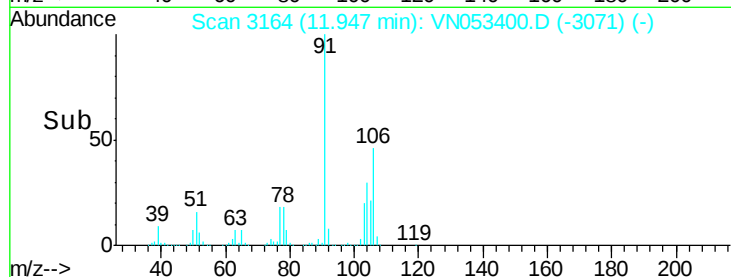
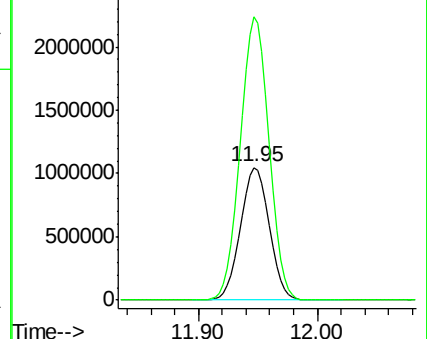
106 100

91 213.2 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 106.002 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

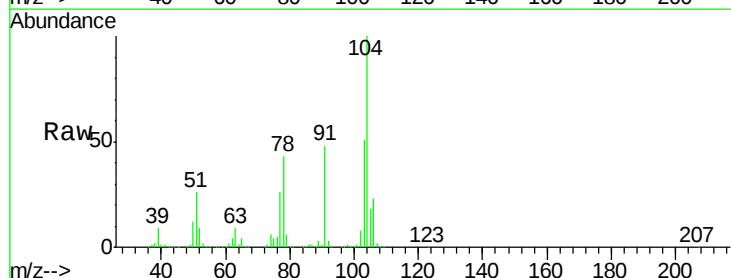
Tgt Ion:104 Resp: 2920120

Ion Ratio Lower Upper

104 100

78 47.8 38.5 57.7

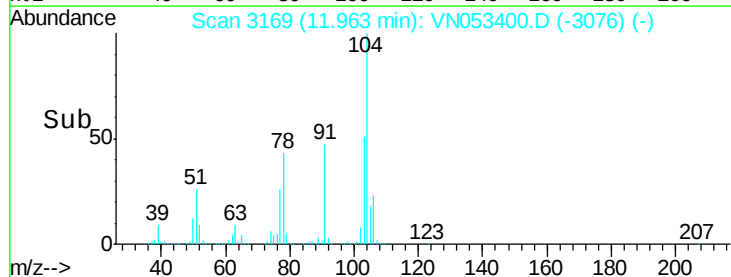
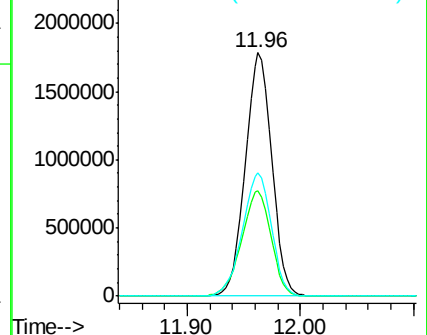
103 55.3 44.5 66.7

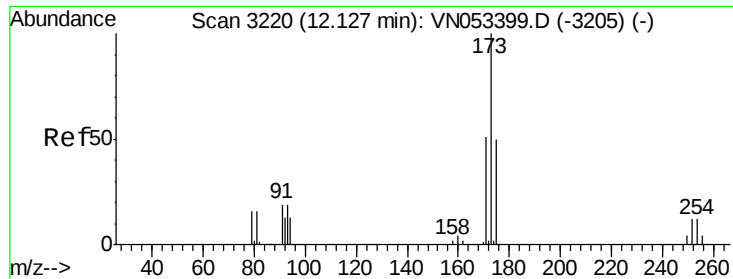


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

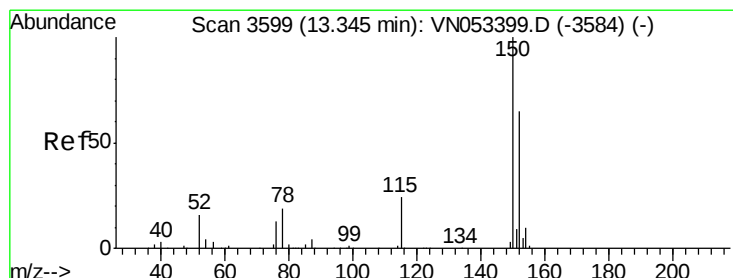
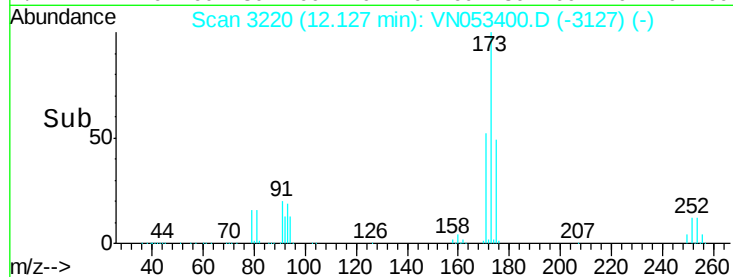
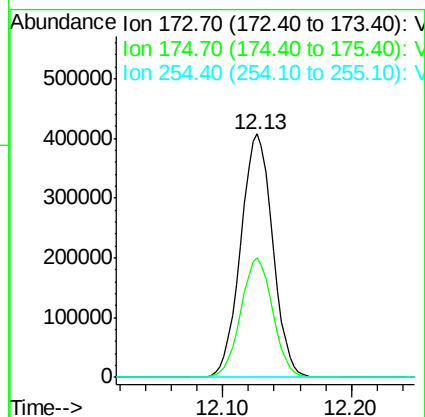
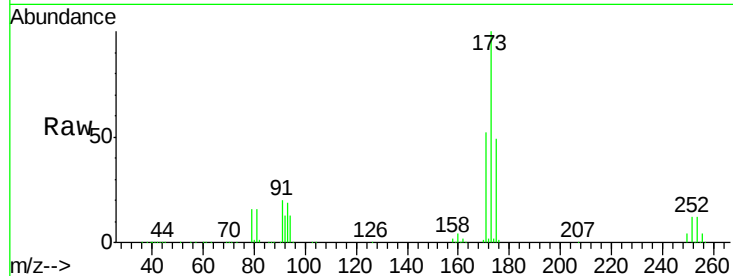




#71
Bromoform
Concen: 108.018 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

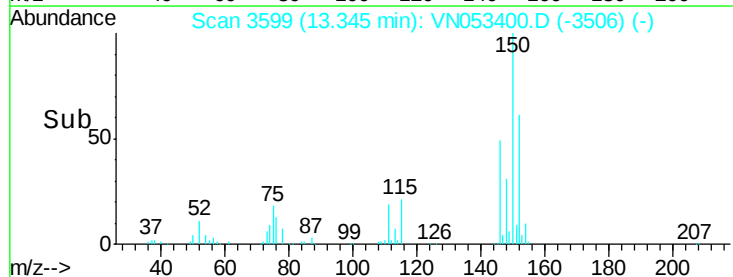
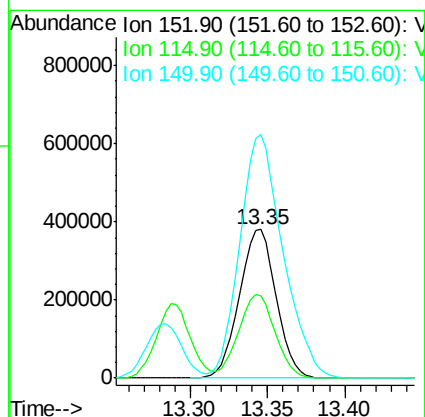
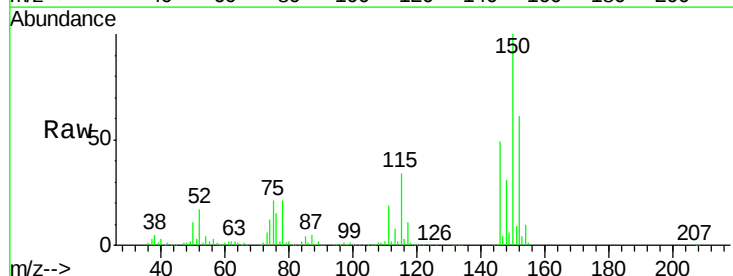
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

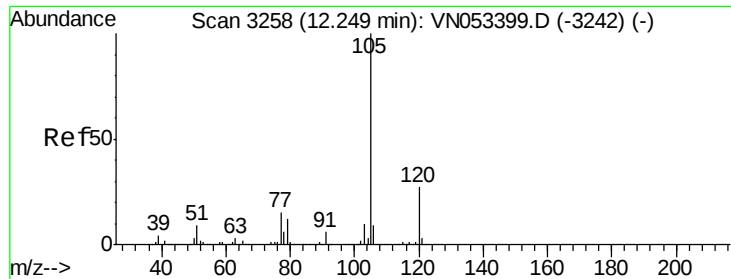
Tot Ion:173 Resp: 702312
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion:152 Resp: 627472
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 192.4 0.0 346.6





#73

Isopropylbenzene

Concen: 101.467 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

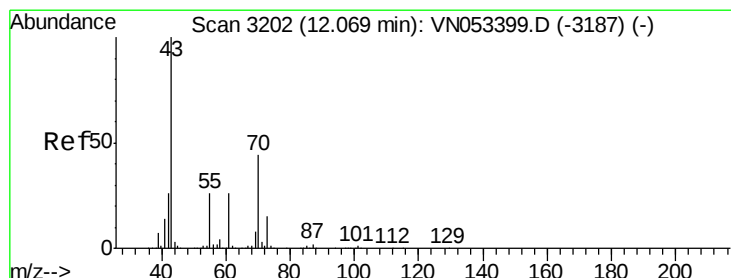
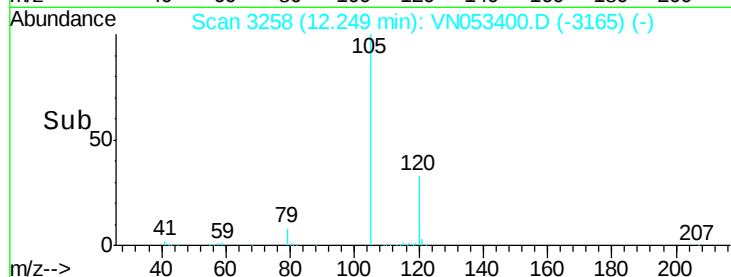
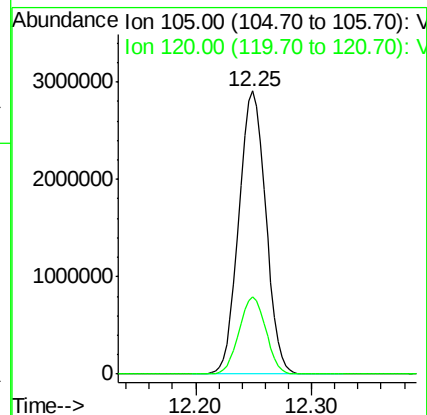
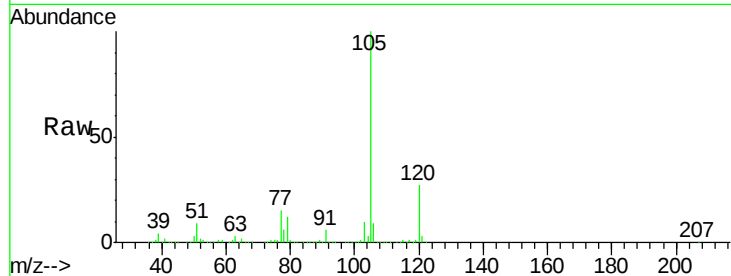
VSTDIC100

Tot Ion:105 Resp: 4662423

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 107.689 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Tgt Ion: 43 Resp: 1319112

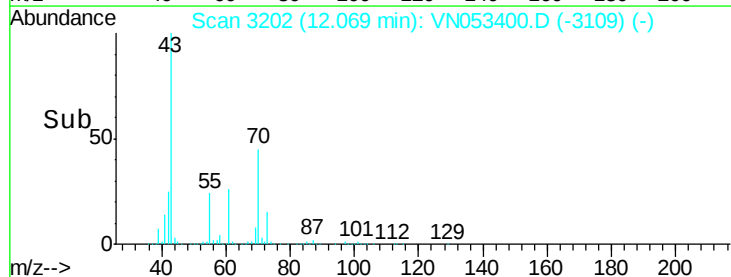
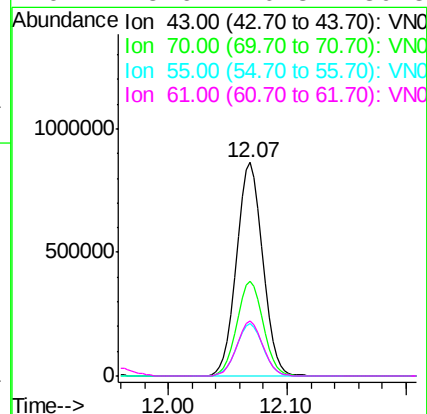
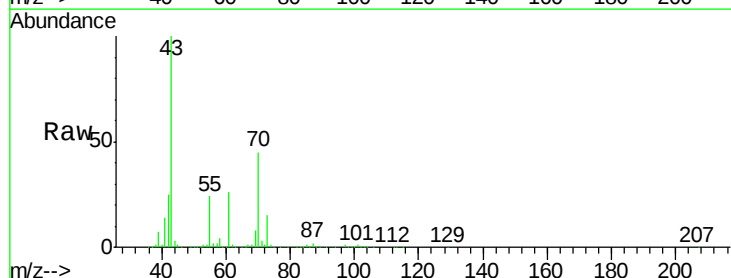
Ion Ratio Lower Upper

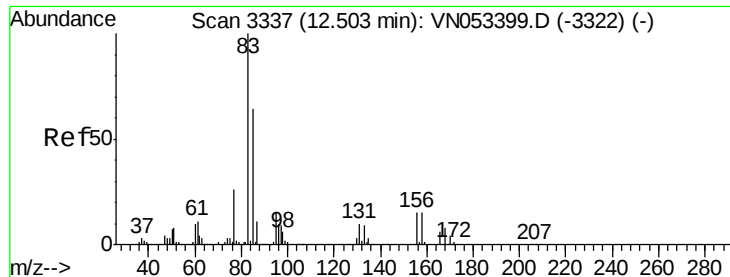
43 100

70 44.7 35.0 52.6

55 25.0 20.0 30.0

61 25.6 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 102.016 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

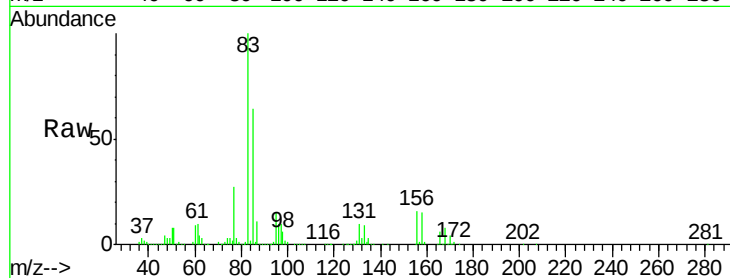
Tot Ion: 83 Resp: 983126

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

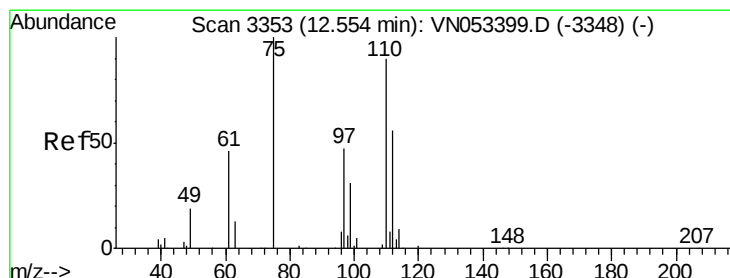
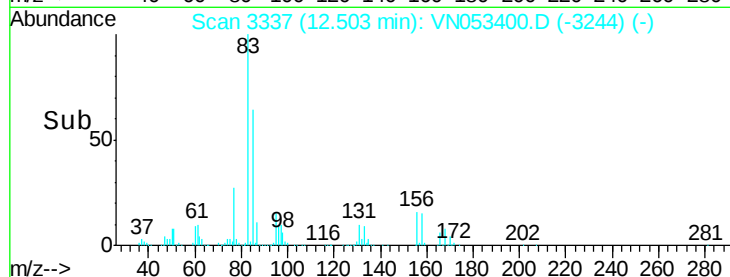
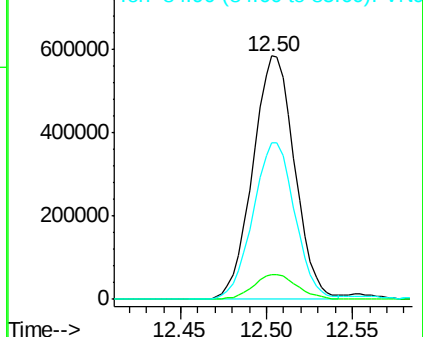
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 171.103 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053400.D

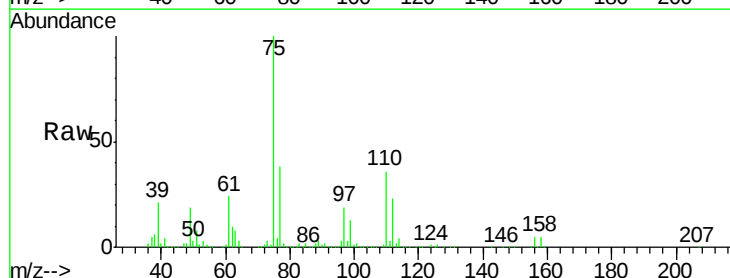
Acq: 15 Jan 2019 11:02

Tgt Ion: 75 Resp: 1351752

Ion Ratio Lower Upper

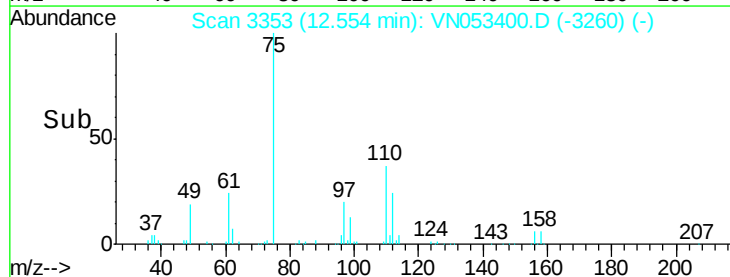
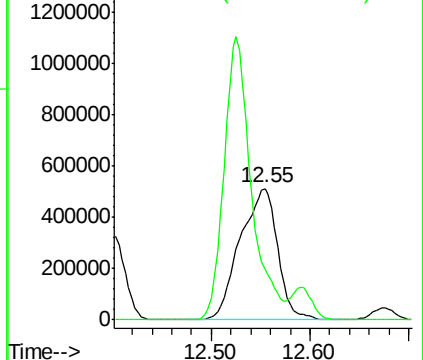
75 100

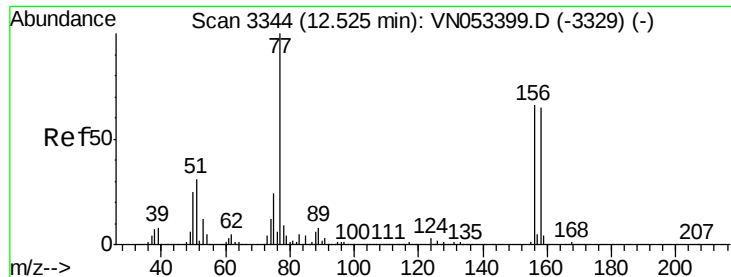
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 100.359 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

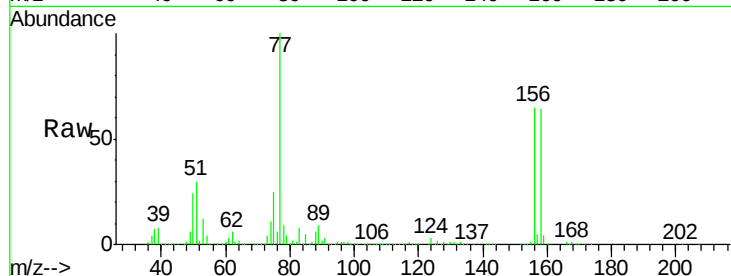
Tot Ion:156 Resp: 1215150

Ion Ratio Lower Upper

156 100

77 176.3 89.3 268.1

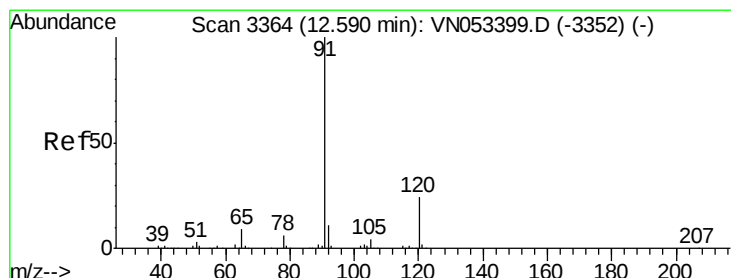
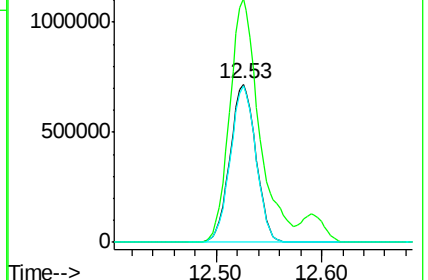
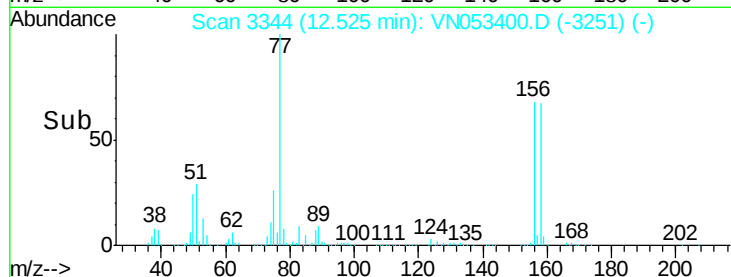
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.605 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053400.D

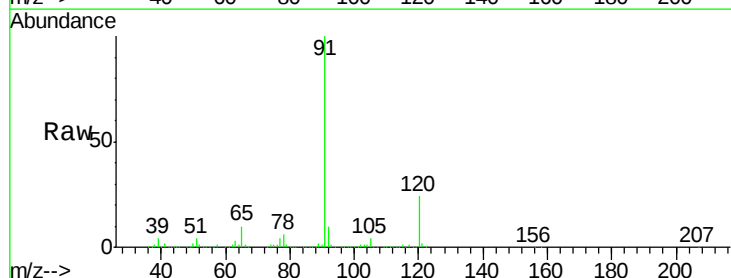
Acq: 15 Jan 2019 11:02

Tgt Ion: 91 Resp: 5411930

Ion Ratio Lower Upper

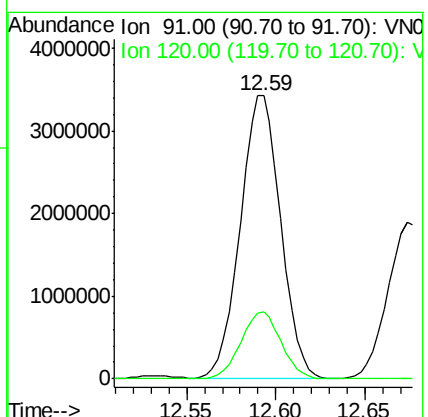
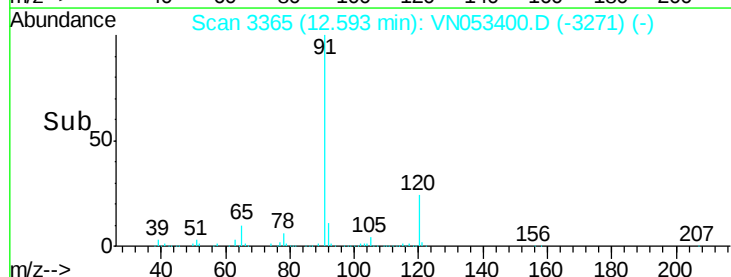
91 100

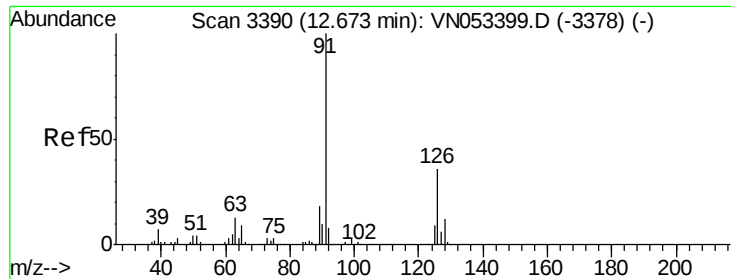
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.984 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

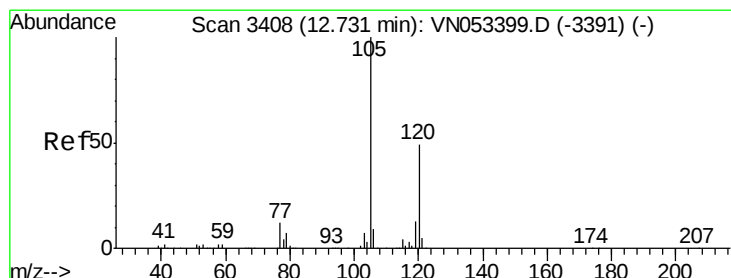
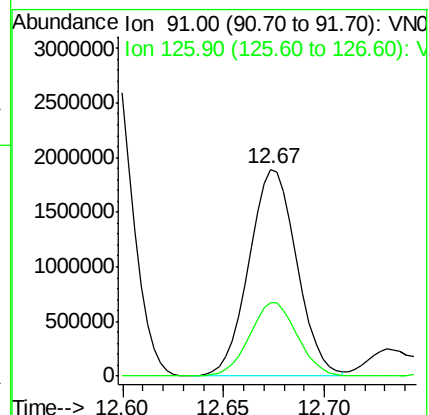
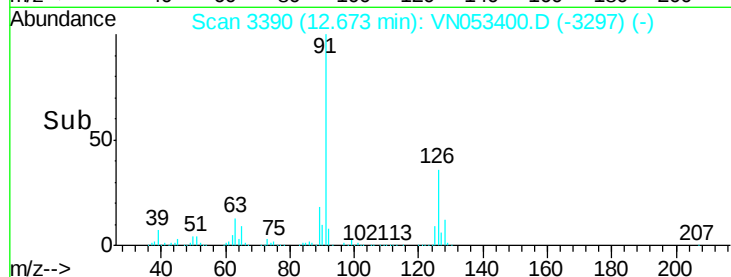
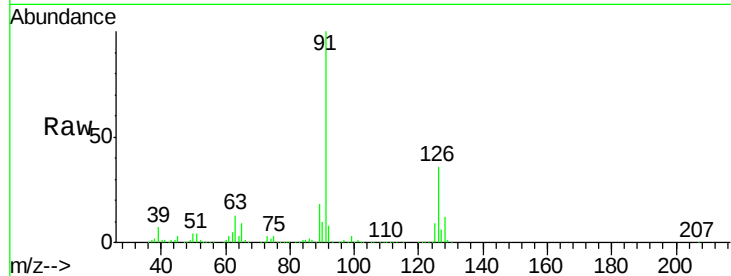
VSTDIC100

Tot Ion: 91 Resp: 3125935

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 102.576 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053400.D

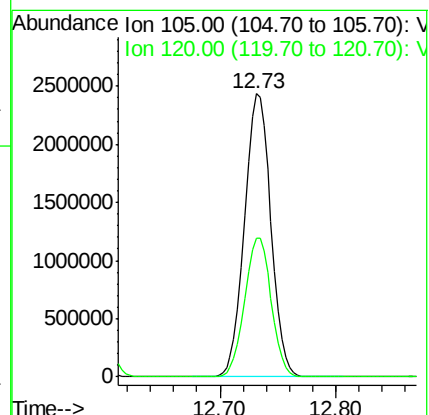
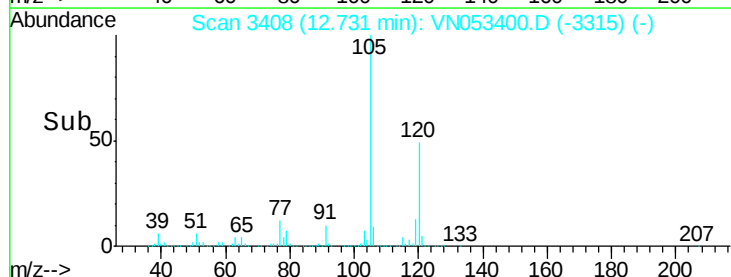
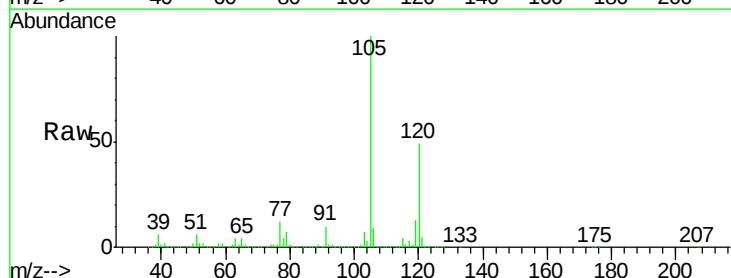
Acq: 15 Jan 2019 11:02

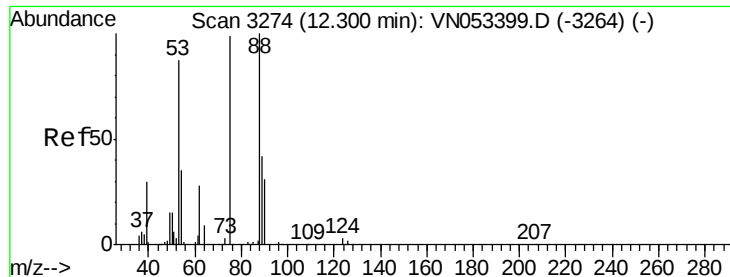
Tgt Ion: 105 Resp: 3834904

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 98.062 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

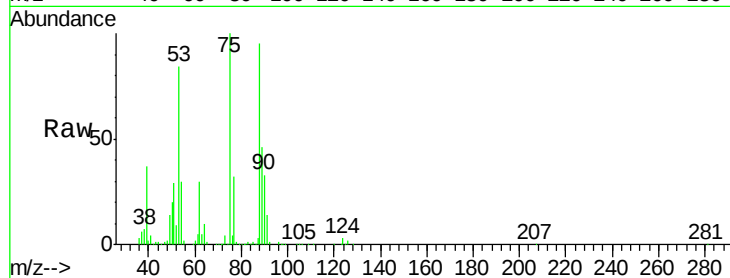
Tot Ion: 75 Resp: 328786

Ion Ratio Lower Upper

75 100

53 85.5 70.5 105.7

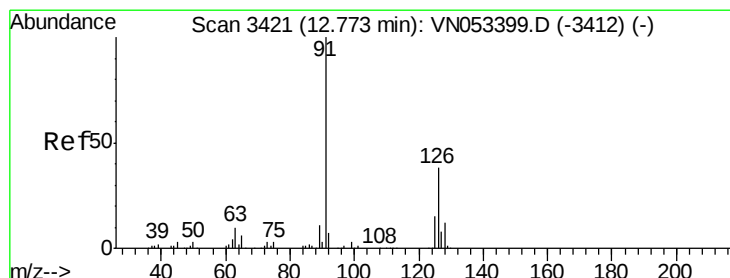
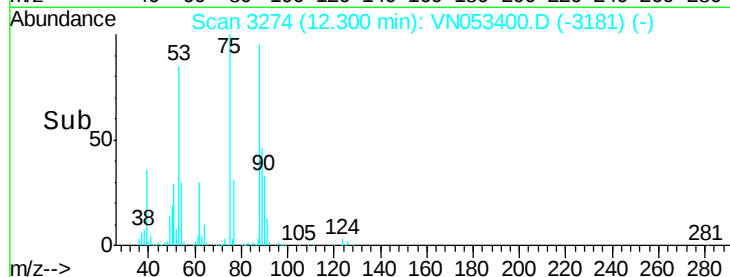
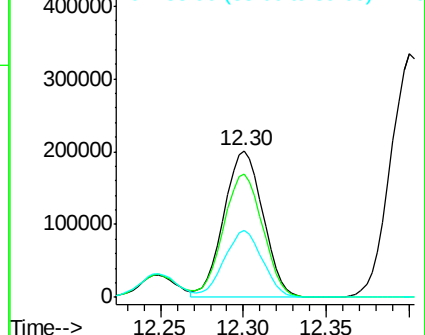
89 44.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 101.718 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053400.D

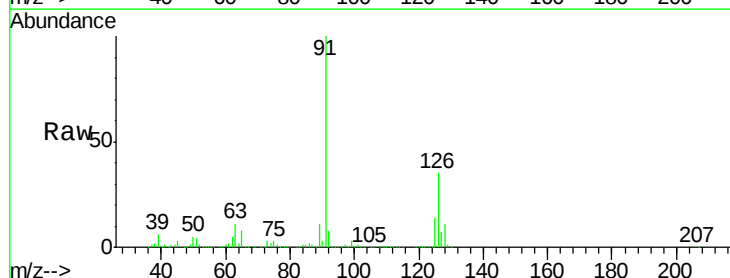
Acq: 15 Jan 2019 11:02

Tgt Ion: 91 Resp: 3243054

Ion Ratio Lower Upper

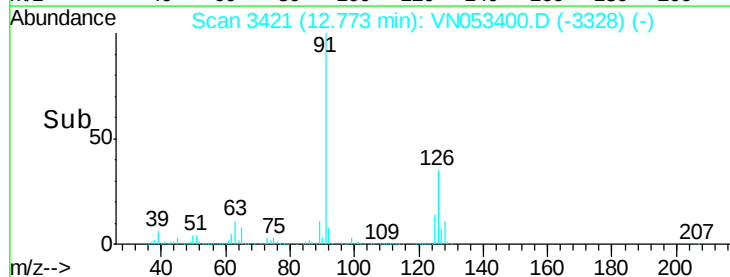
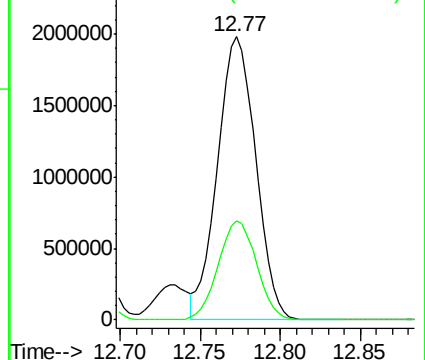
91 100

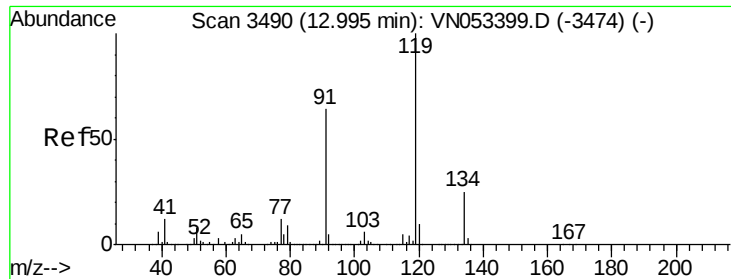
126 34.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

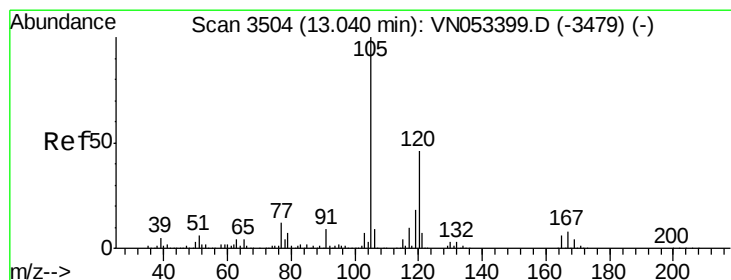
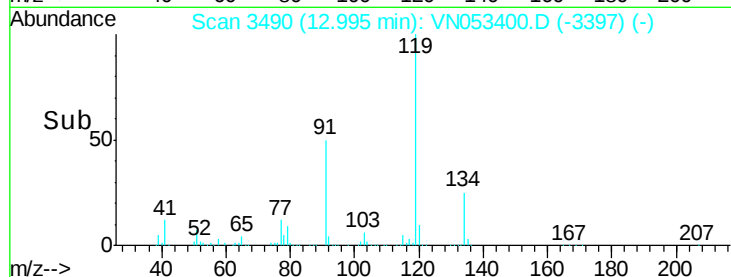
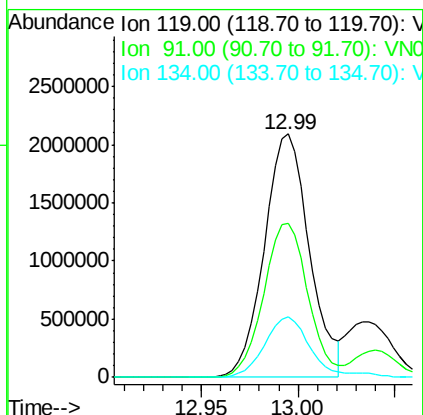
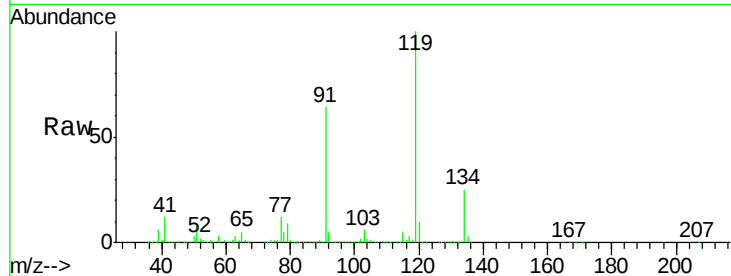




#83
tert-Butylbenzene
Concen: 103.182 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

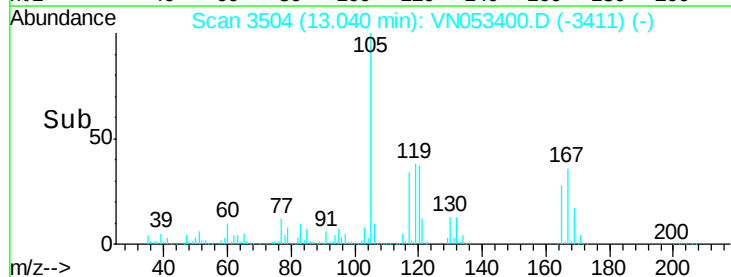
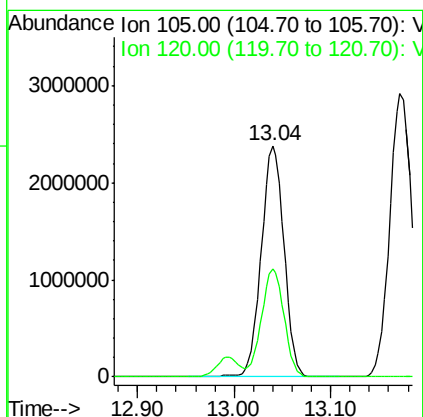
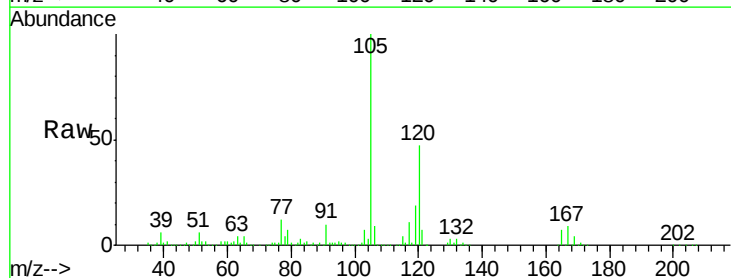
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

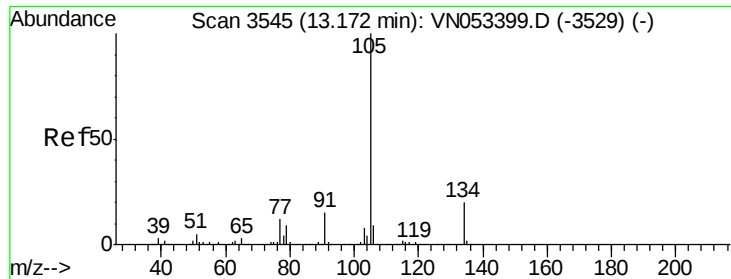
Tot Ion:119 Resp: 3407100
Ion Ratio Lower Upper
119 100
91 62.0 31.6 95.0
134 25.7 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 102.989 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion:105 Resp: 3882335
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 102.526 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

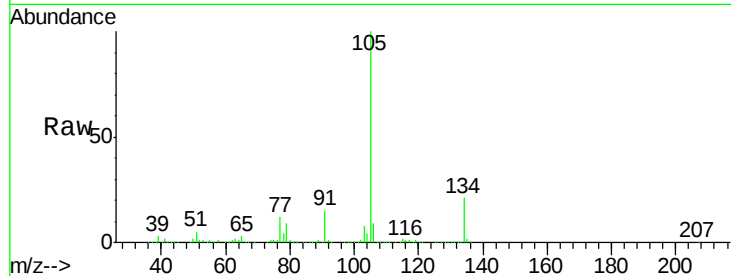
VSTDIC100

Tot Ion:105 Resp: 4642964

Ion Ratio Lower Upper

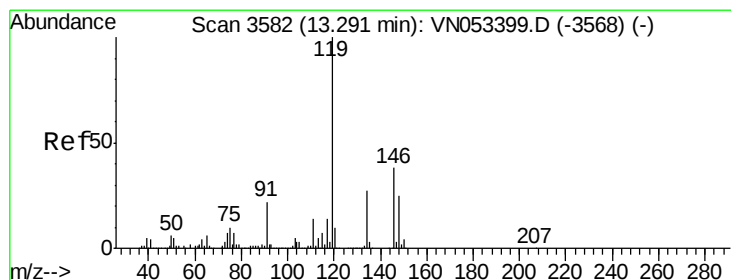
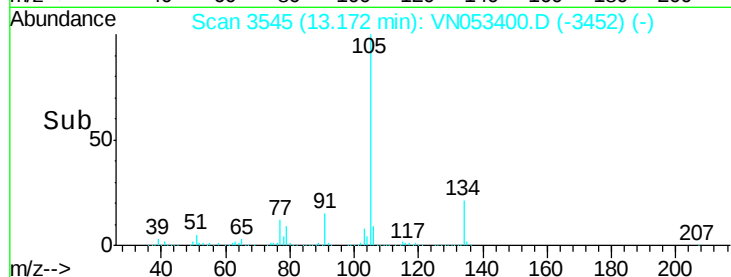
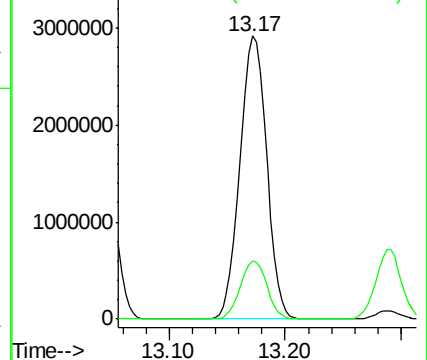
105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 104.510 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

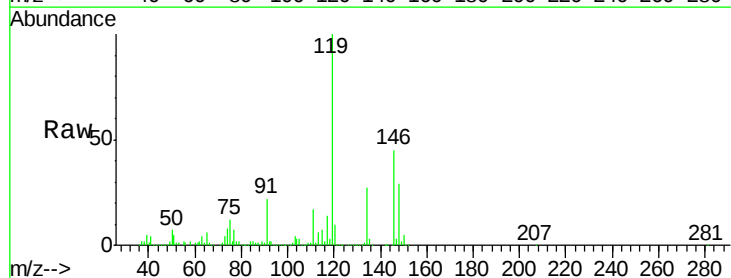
Tgt Ion:119 Resp: 4109443

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

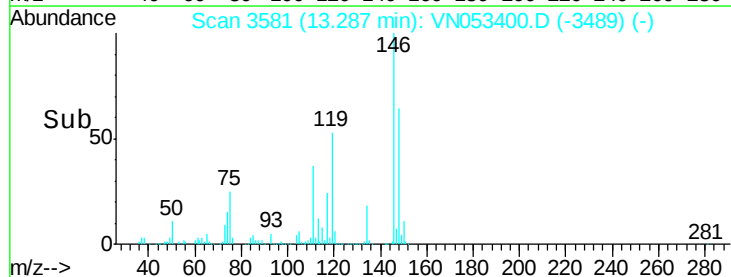
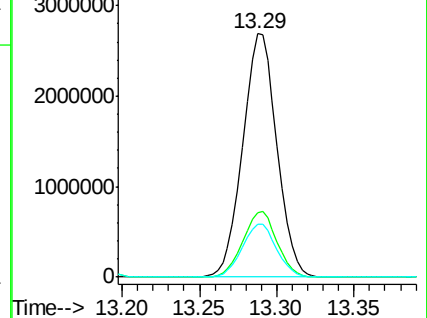
91 21.9 11.1 33.1

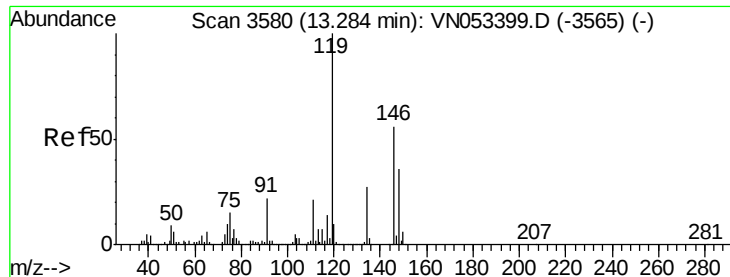


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 101.897 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

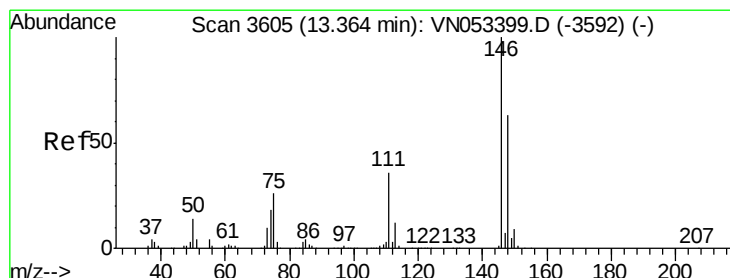
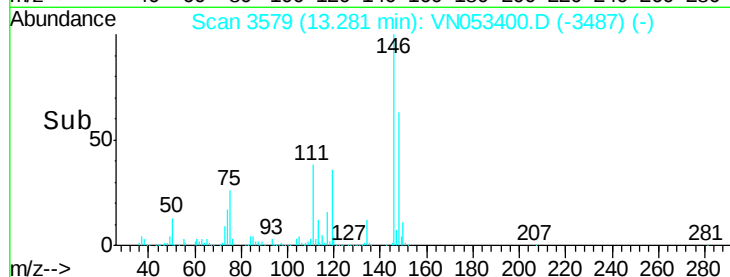
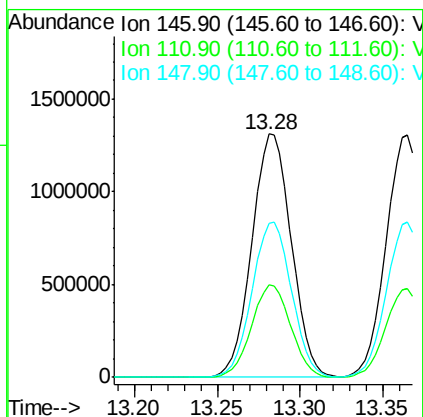
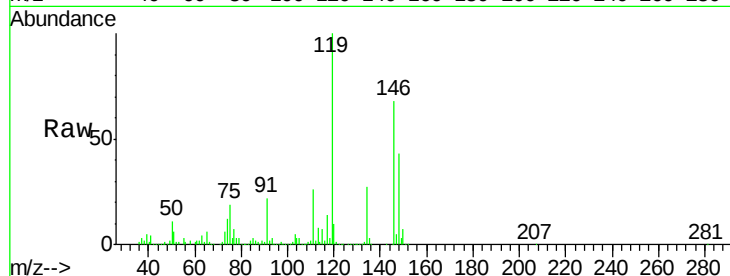
Tot Ion:146 Resp: 2170241

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.5

148 63.8 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 99.847 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

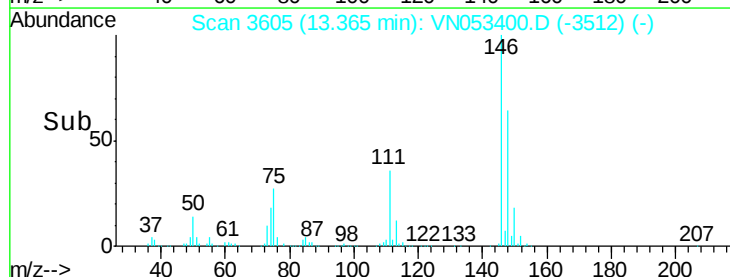
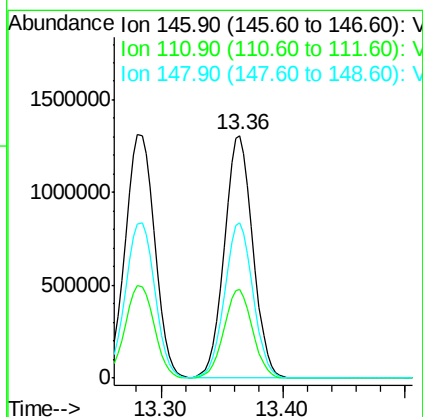
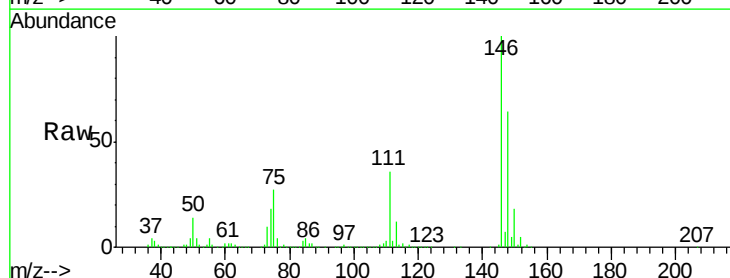
Tgt Ion:146 Resp: 2133161

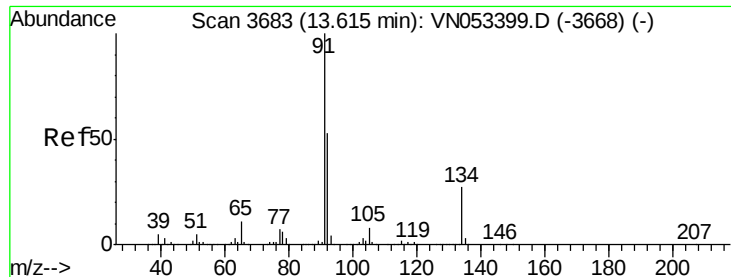
Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.8

148 64.1 32.0 96.0

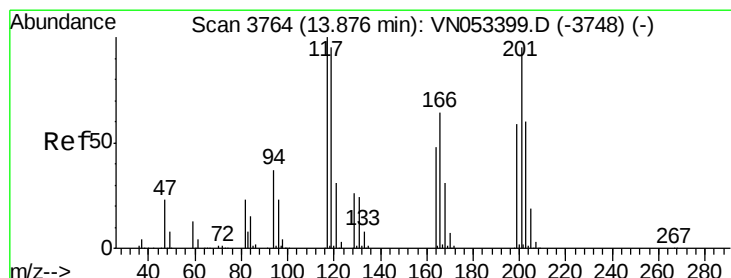
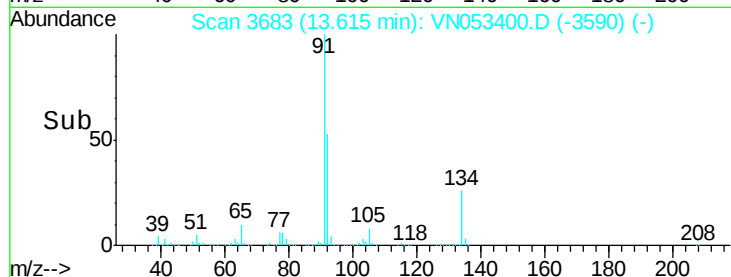
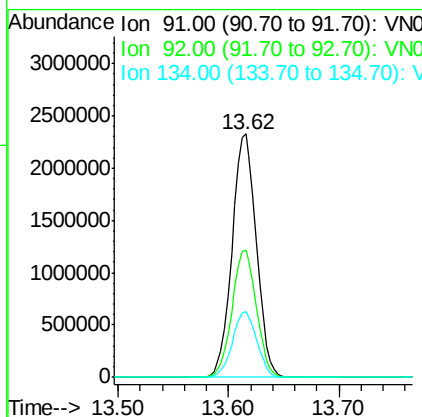
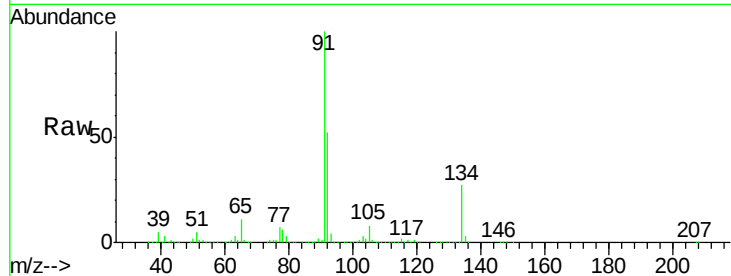




#89
n-Butylbenzene
Concen: 105.889 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

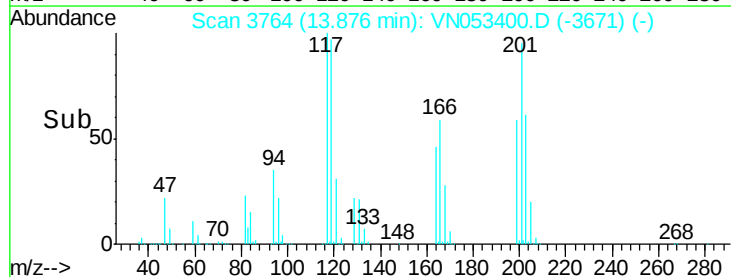
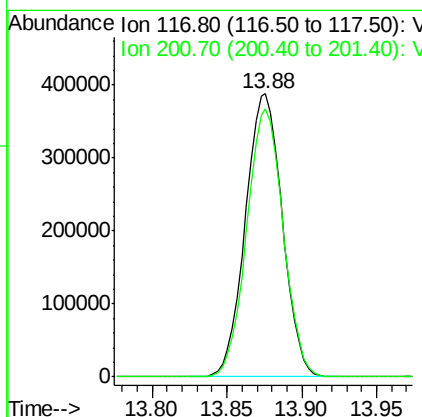
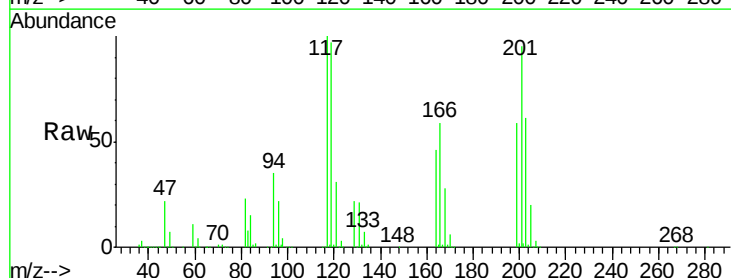
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

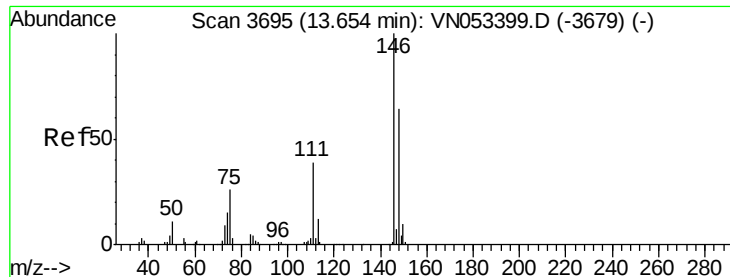
Tot Ion: 91 Resp: 3549138
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 107.874 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053400.D
Acq: 15 Jan 2019 11:02

Tgt Ion: 117 Resp: 665248
Ion Ratio Lower Upper
117 100
201 93.7 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 100.101 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

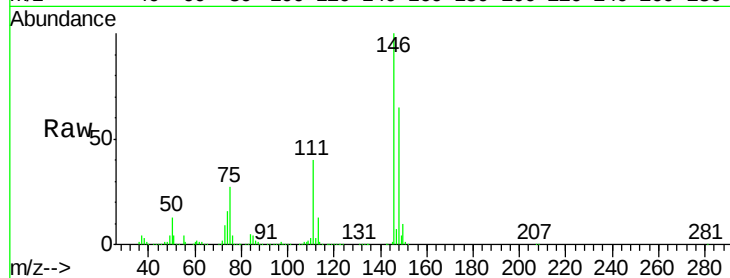
Tot Ion:146 Resp: 1961440

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.2

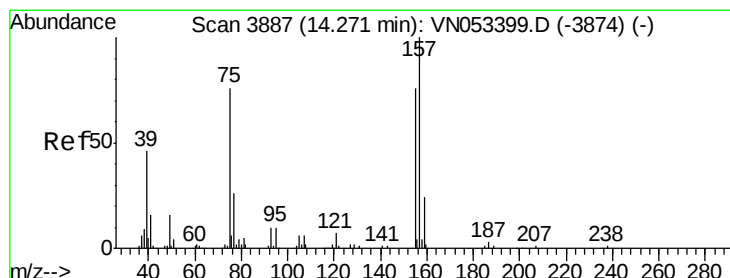
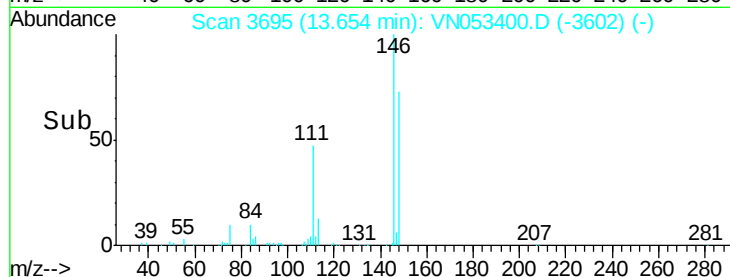
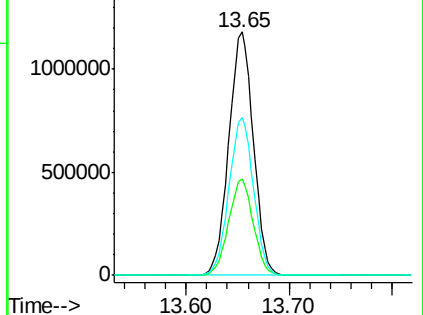
148 64.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 104.215 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

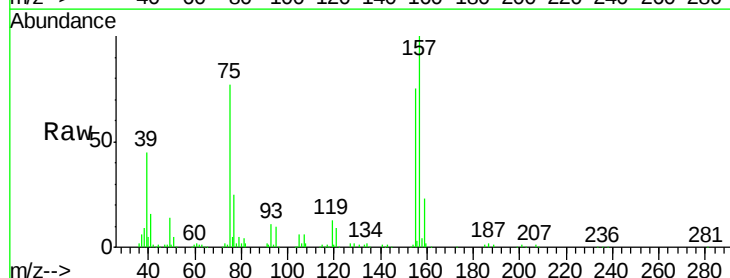
Tgt Ion: 75 Resp: 127344

Ion Ratio Lower Upper

75 100

155 96.2 48.1 144.3

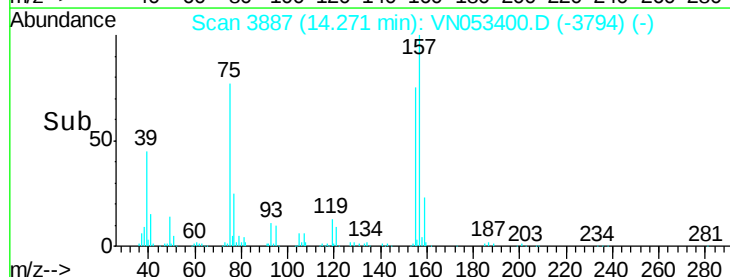
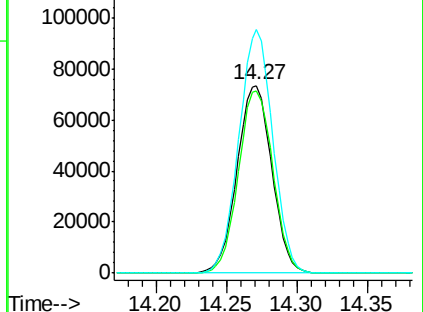
157 126.7 61.5 184.4

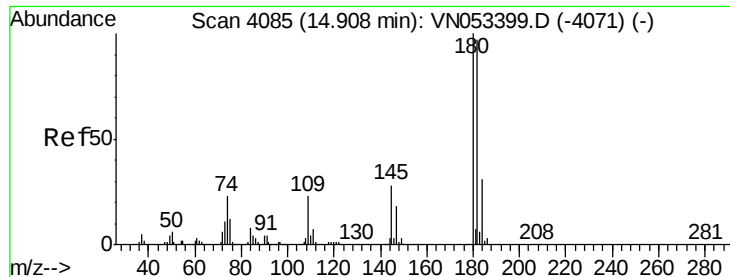


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

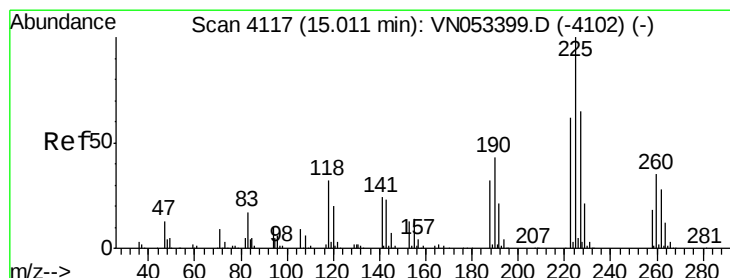
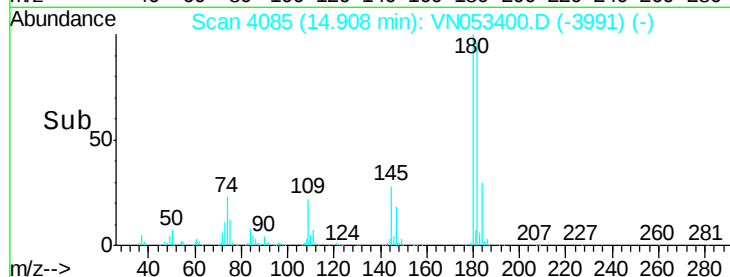
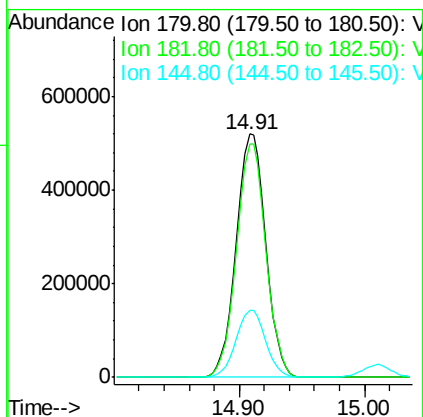
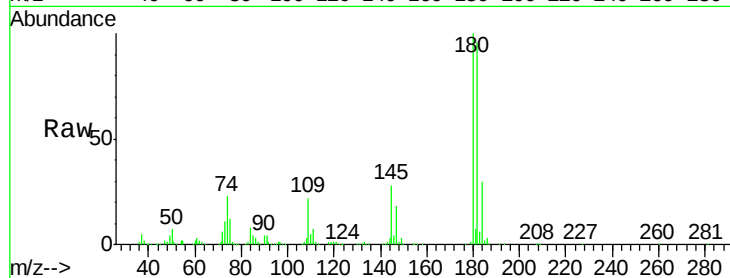




#93
 1,2,4-Trichlorobenzene
 Concen: 95.654 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

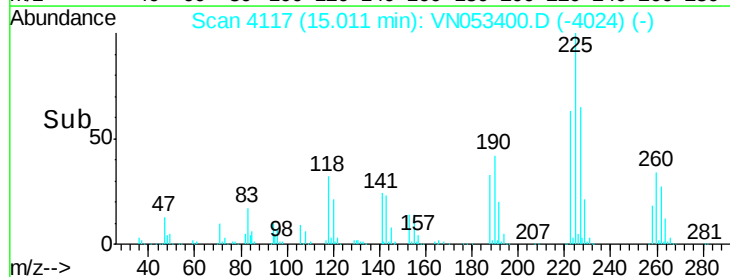
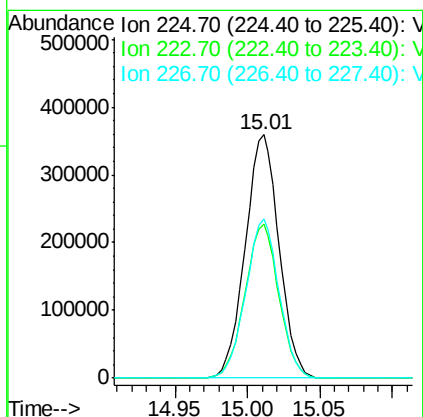
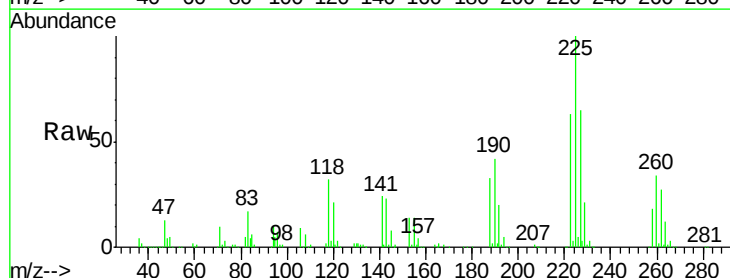
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

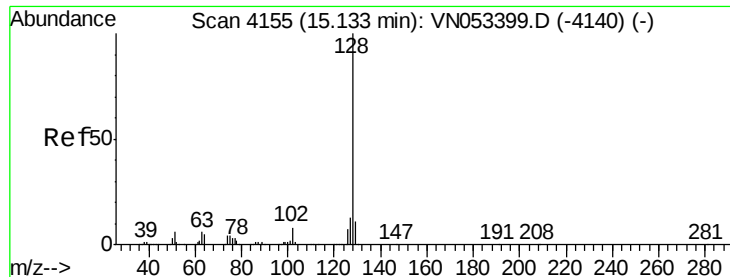
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	27.7	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 95.111 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053400.D
 Acq: 15 Jan 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.8
227	64.5	31.4	94.2





#95

Naphthalene

Concen: 95.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

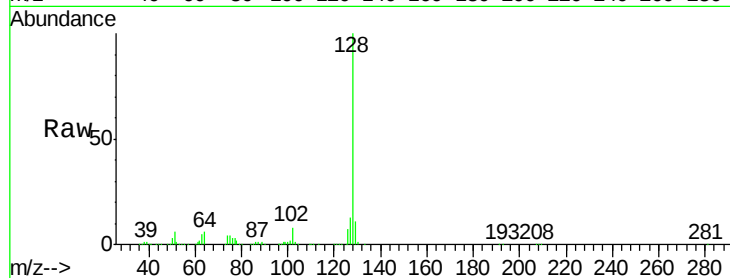
Tot Ion:128 Resp: 1513790

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.7	13.1

128 100

127 12.7 10.4 15.6

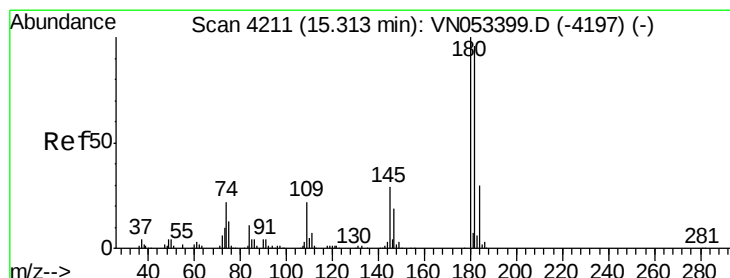
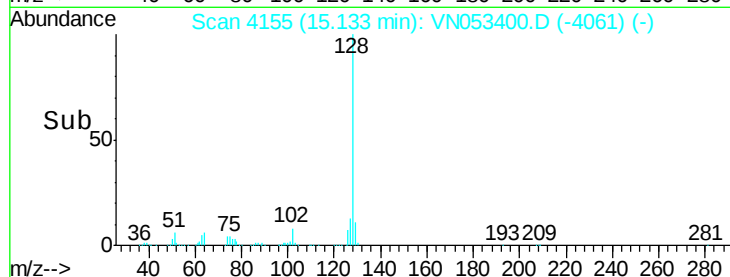
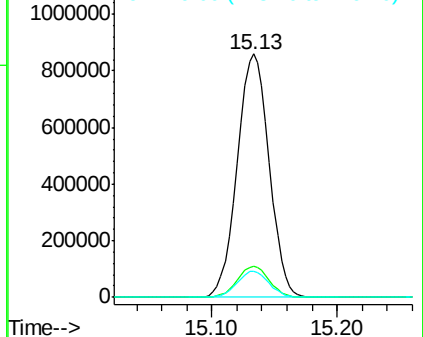
129 10.7 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 95.127 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053400.D

Acq: 15 Jan 2019 11:02

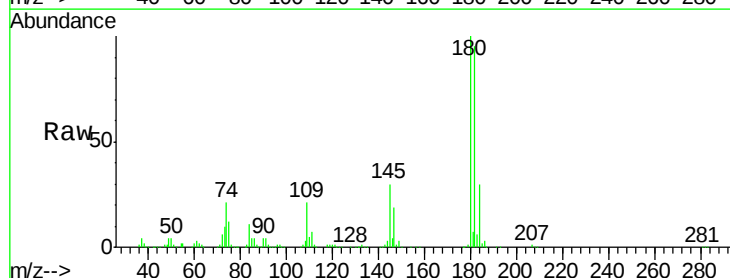
Tgt Ion:180 Resp: 625972

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.0
145	29.7	14.9	44.5

180 100

182 95.9 48.4 145.0

145 29.7 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

