

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055373.D
 Acq On : 3 May 2019 2:47
 Operator : JC/SP
 Sample : VN0502MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

Quant Time: May 03 09:46:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	676499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	208838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	273924	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	217364	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.09	98	788800	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.40	95	253280	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	93135	18.898	ug/l	98
3) Chloromethane	2.06	50	109330	17.915	ug/l	99
4) Vinyl Chloride	2.19	62	94060	19.121	ug/l	97
5) Bromomethane	2.57	94	50172	19.255	ug/l	94
6) Chloroethane	2.71	64	52719	19.783	ug/l	99
7) Trichlorofluoromethane	3.02	101	140292	20.057	ug/l	99
8) Diethyl Ether	3.41	74	52321	21.380	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	81960	19.677	ug/l	99
10) Methyl Iodide	3.96	142	115809	19.756	ug/l	98
11) Tert butyl alcohol	4.80	59	30920	102.629	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	78384	19.727	ug/l	96
13) Acrolein	3.62	56	13473	57.262	ug/l	98
14) Allyl chloride	4.33	41	161154	19.583	ug/l	99
15) Acrylonitrile	5.00	53	176067	103.969	ug/l	100
16) Acetone	3.83	43	130241	79.432	ug/l	98
17) Carbon Disulfide	4.06	76	172557	16.640	ug/l	100
18) Methyl Acetate	4.33	43	91192	22.256	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	248337	22.232	ug/l	99
20) Methylene Chloride	4.56	84	96085	19.199	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	84029	19.968	ug/l	93
22) Diisopropyl ether	5.95	45	359029	21.957	ug/l	95
23) Vinyl Acetate	5.90	43	1143873	106.739	ug/l	99
24) 1,1-Dichloroethane	5.85	63	184215	21.145	ug/l	99
25) 2-Butanone	6.84	43	210251	100.268	ug/l	97
26) 2,2-Dichloropropane	6.83	77	83708	13.914	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	99619	20.817	ug/l	99
28) Bromochloromethane	7.19	49	90025	20.500	ug/l	99
29) Tetrahydrofuran	7.22	42	147274	109.685	ug/l	99
30) Chloroform	7.37	83	170713	20.671	ug/l	100
31) Cyclohexane	7.65	56	162041	19.576	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	137294	20.483	ug/l	98
36) 1,1-Dichloropropene	7.79	75	121488	18.749	ug/l	98
37) Ethyl Acetate	6.94	43	97863	19.706	ug/l	97
38) Carbon Tetrachloride	7.78	117	112232	17.955	ug/l	98

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 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

Quant Time: May 03 09:46:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124688	18.098	ug/l	97
40) Benzene	8.04	78	372305	19.490	ug/l	99
41) Methacrylonitrile	7.21	41	142124	52.835	ug/l #	23
42) 1,2-Dichloroethane	8.13	62	132891	19.642	ug/l	100
43) Isopropyl Acetate	8.17	43	171321	21.466	ug/l #	88
44) Trichloroethene	8.84	130	94451	19.396	ug/l	100
45) 1,2-Dichloropropane	9.12	63	110874	20.125	ug/l	97
46) Dibromomethane	9.21	93	57147	18.977	ug/l	98
47) Bromodichloromethane	9.40	83	123536	19.122	ug/l	99
48) Methyl methacrylate	9.20	41	78195	19.930	ug/l	99
49) 1,4-Dioxane	9.21	88	15453	381.006	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	454119	101.063	ug/l	100
52) Toluene	10.16	92	215067	19.622	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	103927	18.531	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	130950	18.727	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	80111	19.683	ug/l	99
56) Ethyl methacrylate	10.43	69	102628	20.487	ug/l	99
57) 1,3-Dichloropropane	10.71	76	144499	20.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	109051	79.068	ug/l	98
59) 2-Hexanone	10.75	43	272234	96.829	ug/l	98
60) Dibromochloromethane	10.90	129	79463	19.103	ug/l	100
61) 1,2-Dibromoethane	11.01	107	73343	19.497	ug/l	98
64) Tetrachloroethene	10.63	164	96610	20.972	ug/l	98
65) Chlorobenzene	11.43	112	217582	19.756	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	84072	19.495	ug/l	99
67) Ethyl Benzene	11.51	91	398206	20.022	ug/l	100
68) m/p-Xylenes	11.62	106	286746	40.392	ug/l	99
69) o-Xylene	11.95	106	146560	20.829	ug/l	98
70) Styrene	11.96	104	226063	20.925	ug/l	99
71) Bromoform	12.13	173	45397	18.971	ug/l #	97
73) Isopropylbenzene	12.25	105	391140	21.752	ug/l	100
74) N-amyl acetate	12.07	43	123979	23.132	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	92119	20.379	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	108683	26.832	ug/l #	100
77) Bromobenzene	12.53	156	88701	20.985	ug/l	99
78) n-propylbenzene	12.59	91	418060	19.488	ug/l	99
79) 2-Chlorotoluene	12.67	91	257473	21.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	320713	19.589	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	18404	16.700	ug/l	90
82) 4-Chlorotoluene	12.77	91	239109	19.170	ug/l	99
83) tert-Butylbenzene	12.99	119	272748	21.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	316221	21.596	ug/l	100
85) sec-Butylbenzene	13.17	105	343034	19.277	ug/l	98
86) p-Isopropyltoluene	13.29	119	288881	19.751	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	136707	19.562	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	129213	19.634	ug/l	98
89) n-Butylbenzene	13.61	91	209653	20.172	ug/l	100
90) Hexachloroethane	13.87	117	46283	19.009	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	139688	20.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11933	21.719	ug/l	94

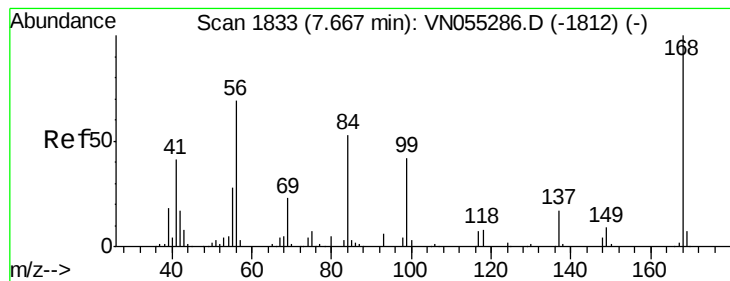
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055373.D
Acq On : 3 May 2019 2:47
Operator : JC/SP
Sample : VN0502MBSD01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

Quant Time: May 03 09:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42904	17.983	ug/l	97
94) Hexachlorobutadiene	15.01	225	47023	20.935	ug/l	99
95) Naphthalene	15.13	128	89875	17.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46016	18.831	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

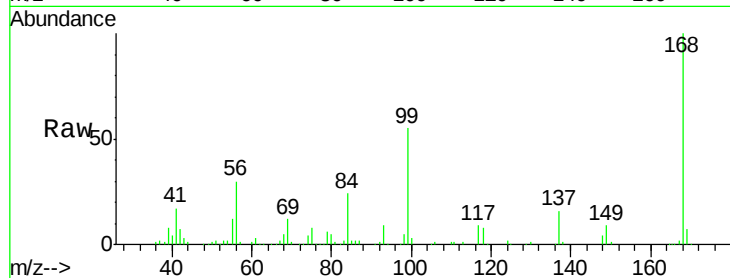
VN0502MBSD02

Tot Ion:168 Resp: 402243

Ion Ratio Lower Upper

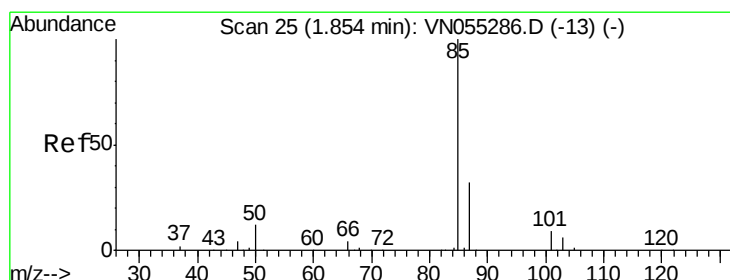
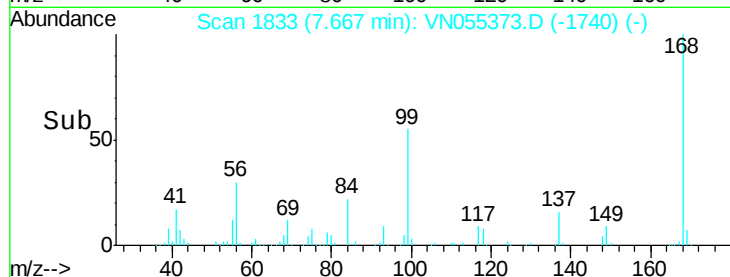
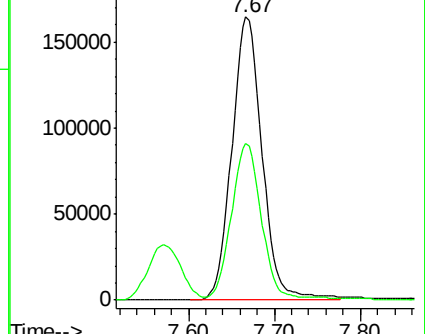
168 100

99 54.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.898 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055373.D

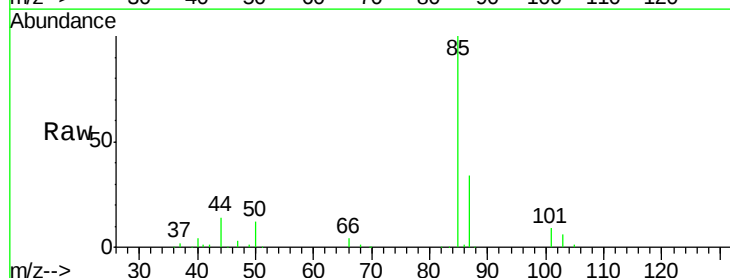
Acq: 3 May 2019 2:47

Tgt Ion: 85 Resp: 93135

Ion Ratio Lower Upper

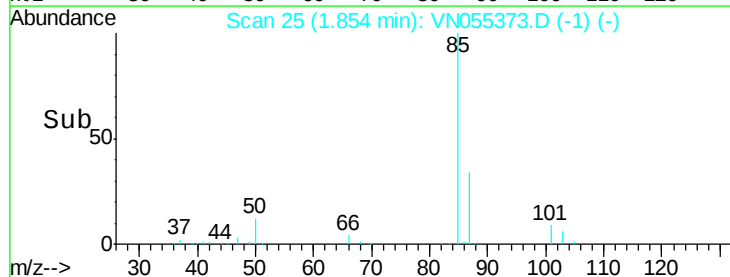
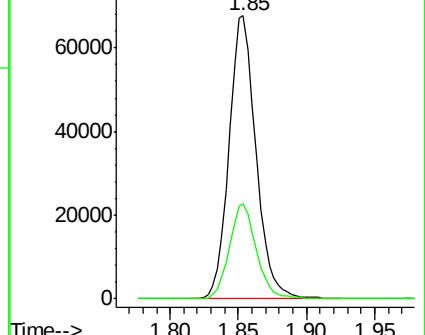
85 100

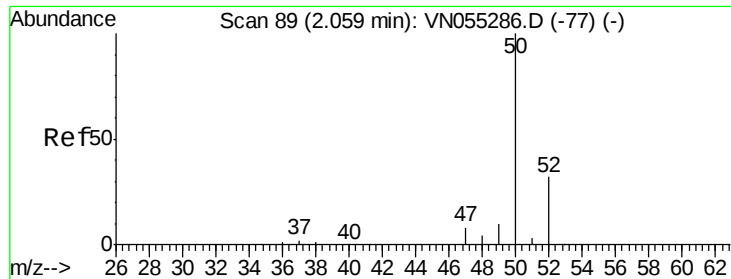
87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.915 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

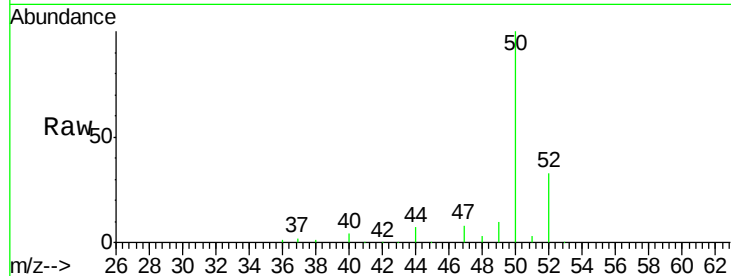
VN0502MBSD02

Tot Ion: 50 Resp: 109330

Ion Ratio Lower Upper

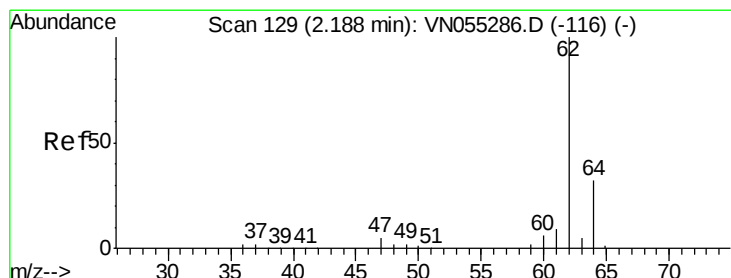
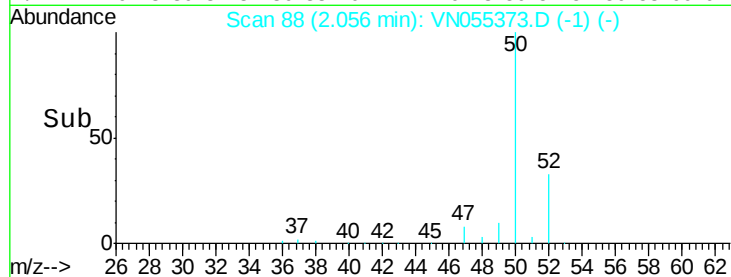
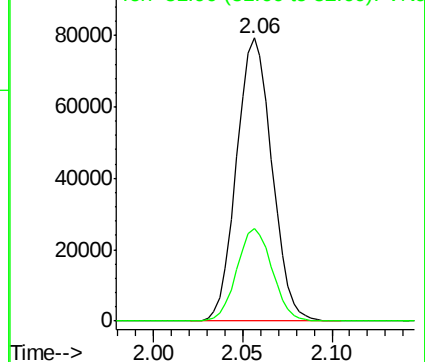
50 100

52 32.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.121 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055373.D

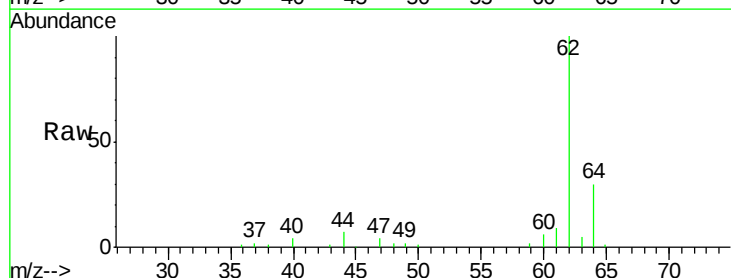
Acq: 3 May 2019 2:47

Tgt Ion: 62 Resp: 94060

Ion Ratio Lower Upper

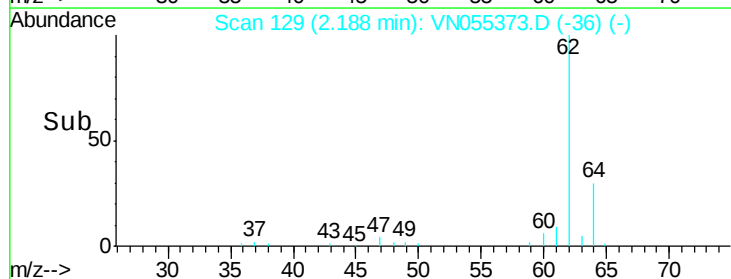
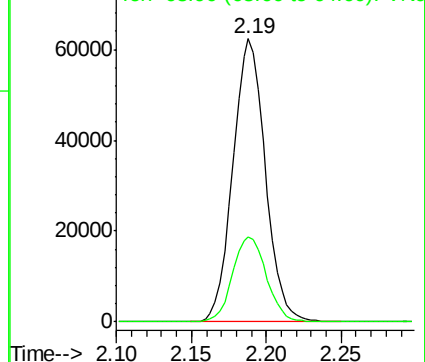
62 100

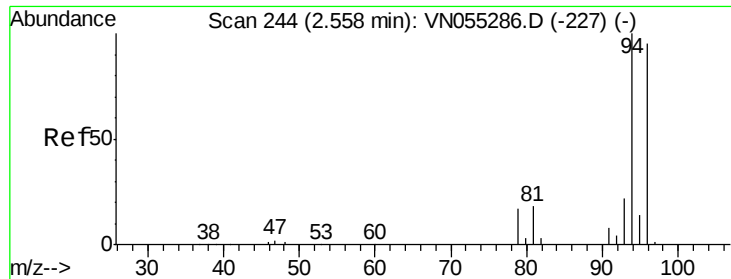
64 30.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.255 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

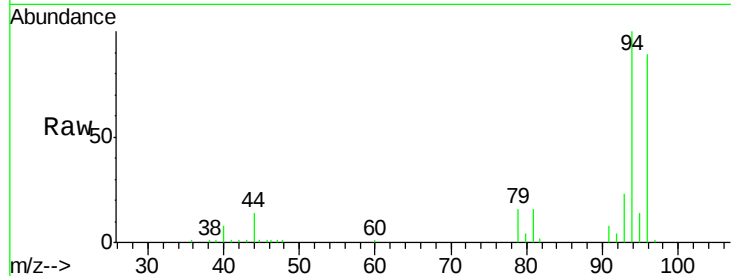
VN0502MBSD02

Tot Ion: 94 Resp: 50172

Ion Ratio Lower Upper

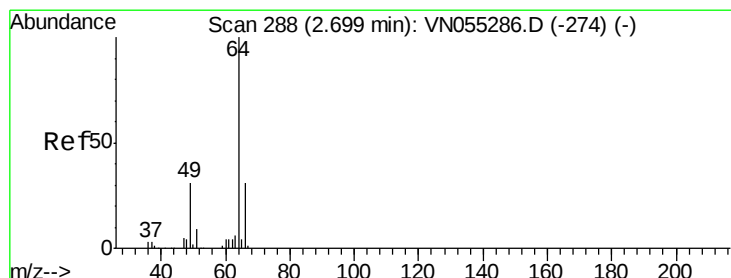
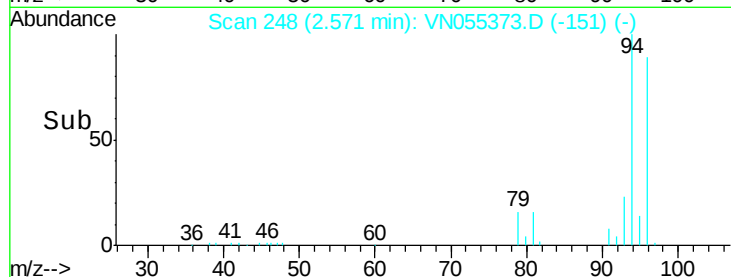
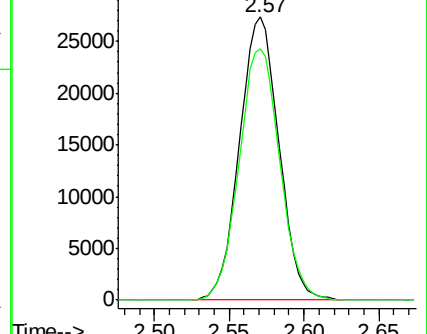
94 100

96 88.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.783 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055373.D

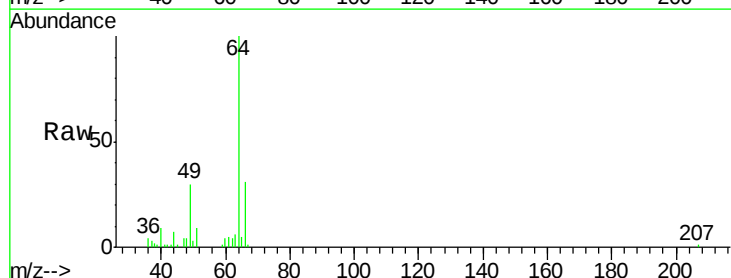
Acq: 3 May 2019 2:47

Tgt Ion: 64 Resp: 52719

Ion Ratio Lower Upper

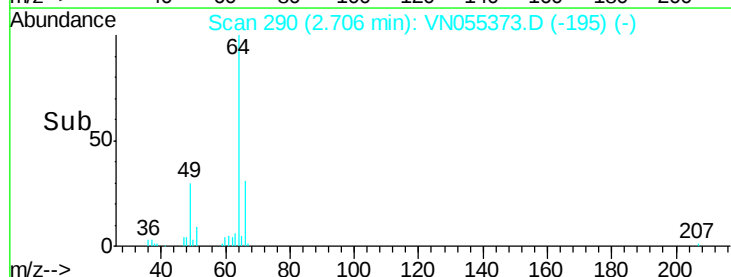
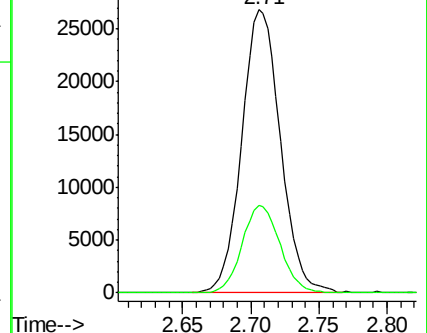
64 100

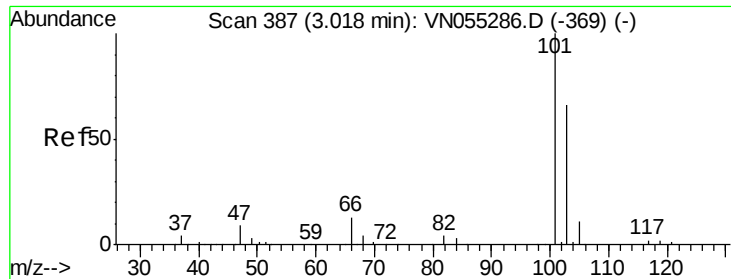
66 30.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



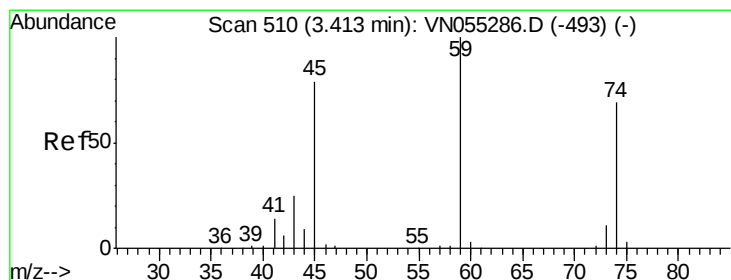
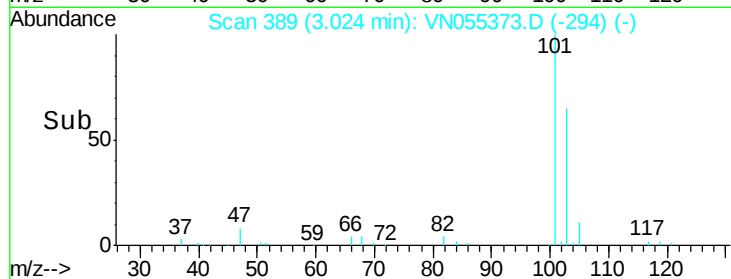
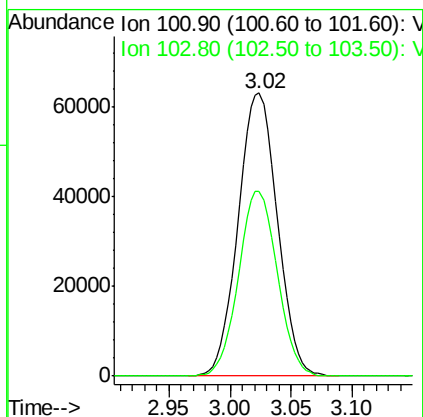
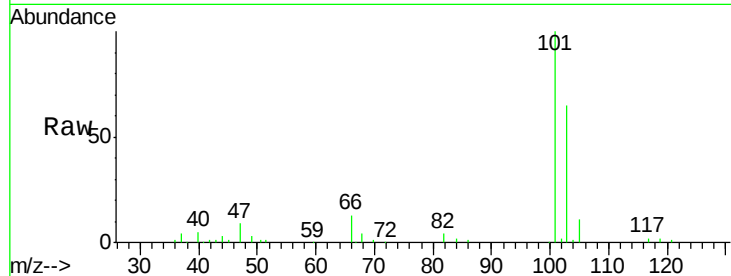


#7

Trichlorofluoromethane
 Concen: 20.057 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

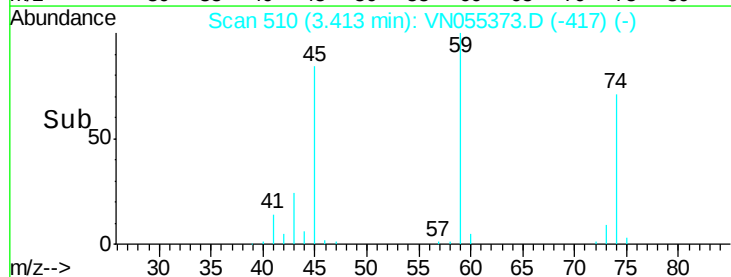
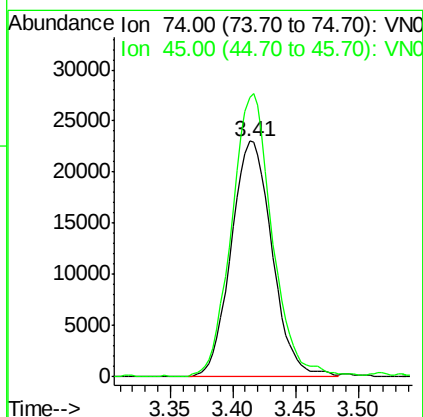
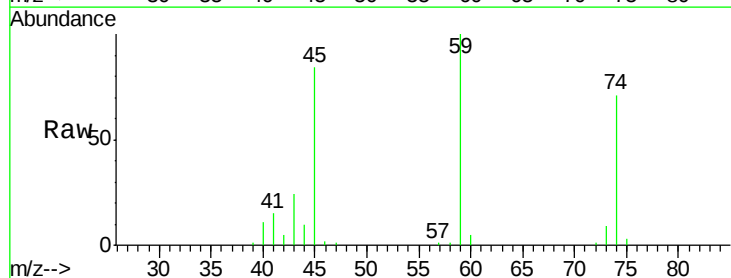
Tot Ion:101 Resp: 140292
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

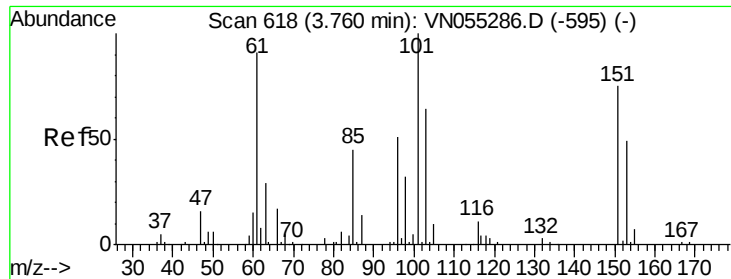


#8

Diethyl Ether
 Concen: 21.380 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 74 Resp: 52321
 Ion Ratio Lower Upper
 74 100
 45 119.7 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.677 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

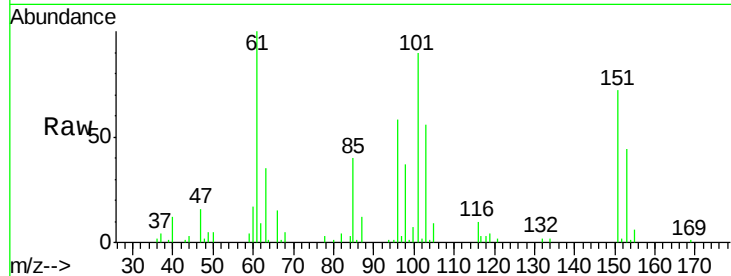
Tot Ion:101 Resp: 81960

Ion Ratio Lower Upper

101 100

85 42.6 35.7 53.5

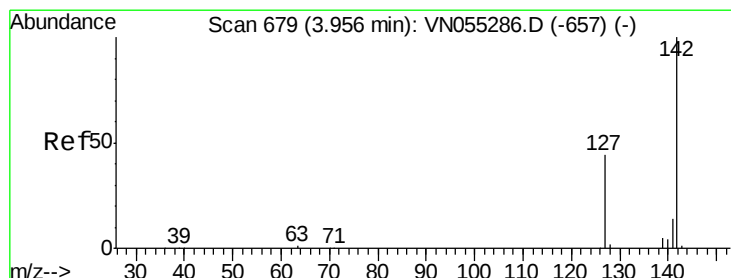
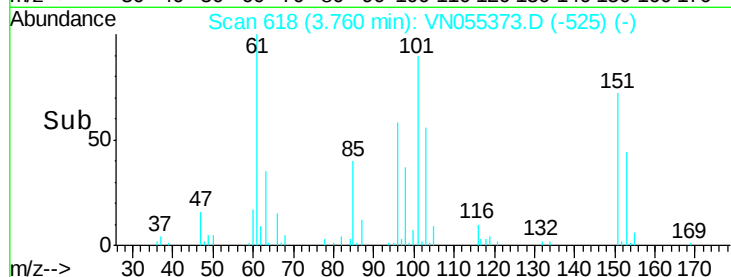
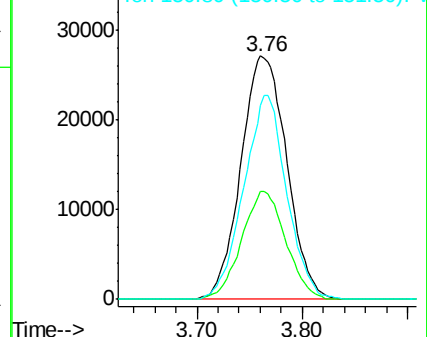
151 78.7 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.756 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

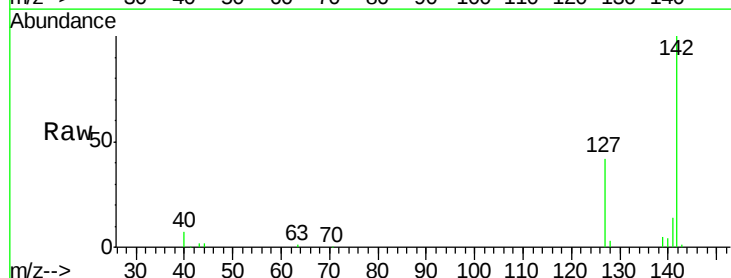
Tgt Ion:142 Resp: 115809

Ion Ratio Lower Upper

142 100

127 41.5 34.4 51.6

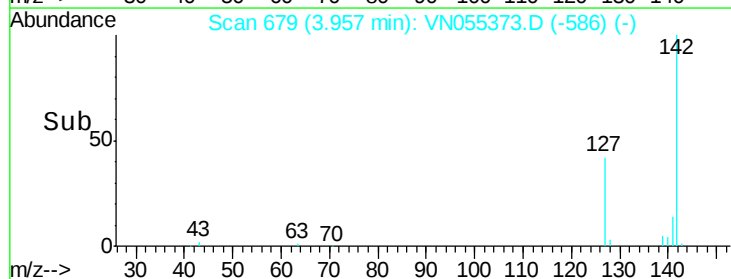
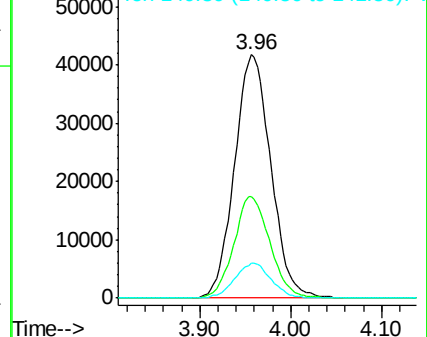
141 14.3 11.5 17.3

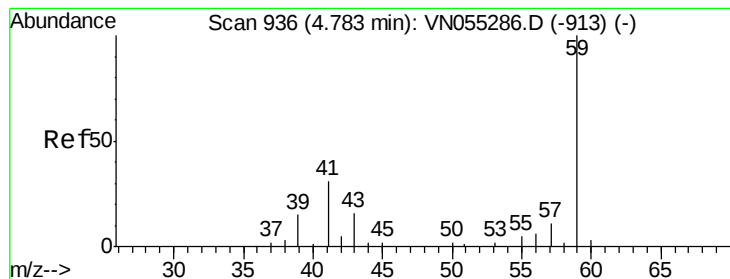


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



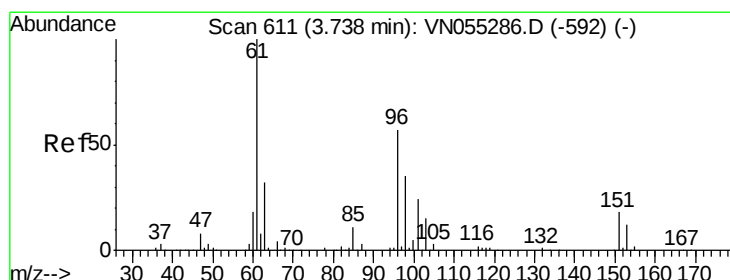
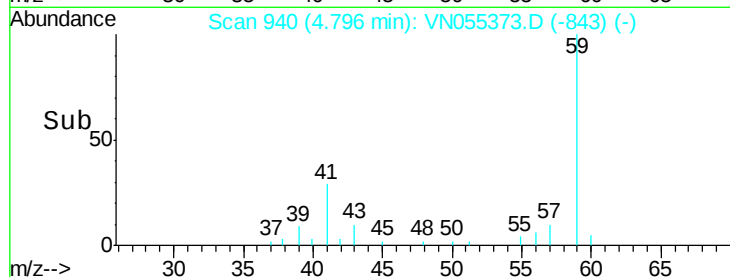
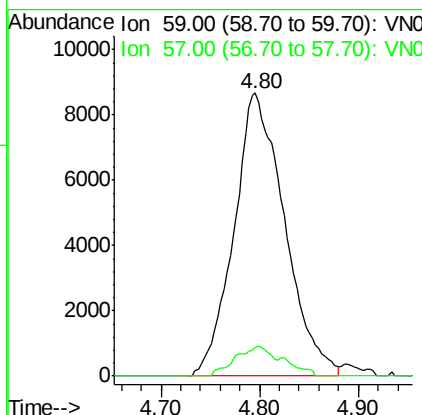
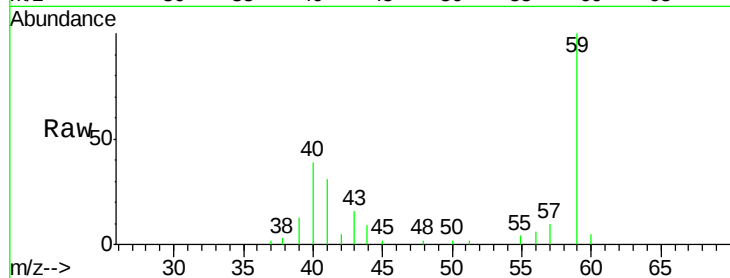


#11

Tert butyl alcohol
 Concen: 102.629 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

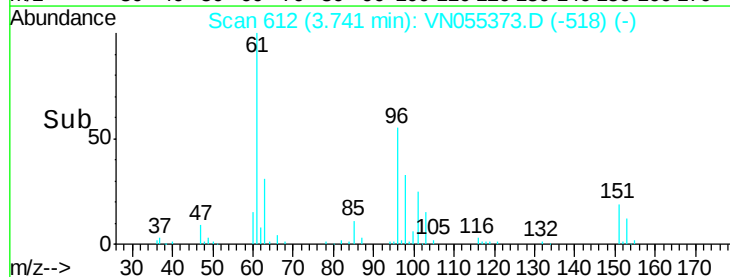
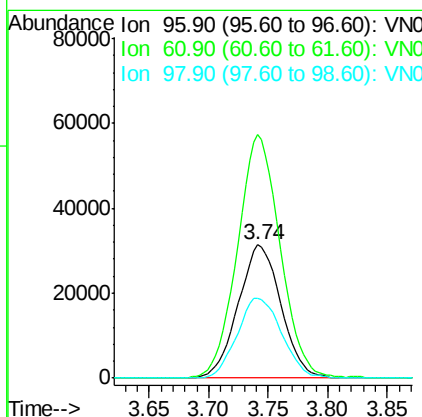
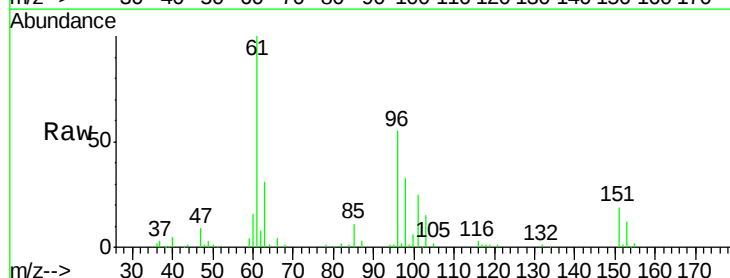
Tot Ion: 59 Resp: 30920
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.2 12.2#

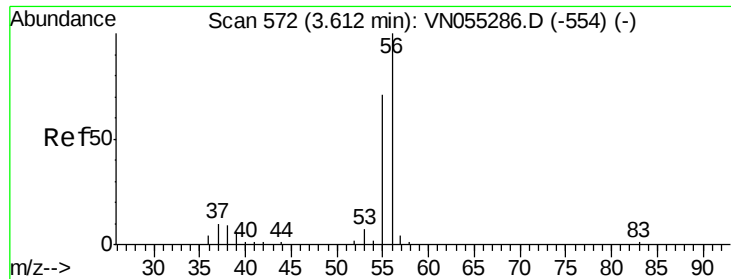


#12

1,1-Dichloroethene
 Concen: 19.727 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 96 Resp: 78384
 Ion Ratio Lower Upper
 96 100
 61 183.0 140.9 211.3
 98 60.3 50.0 75.0





#13

Acrolein

Concen: 57.262 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

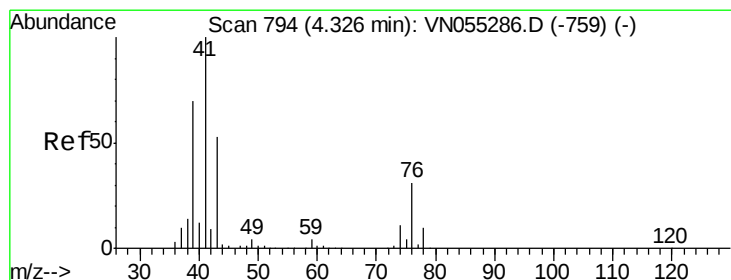
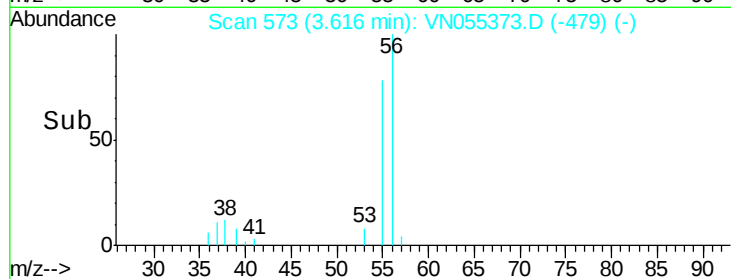
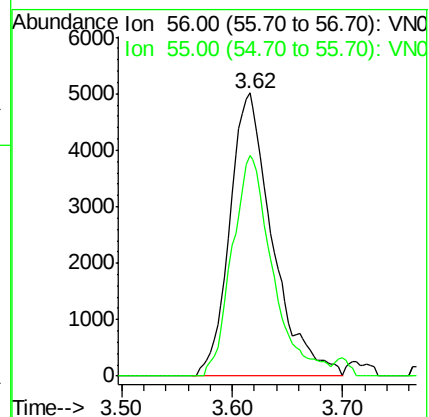
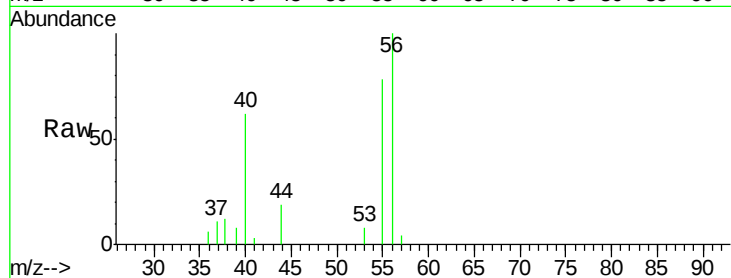
VN0502MBSD02

Tot Ion: 56 Resp: 13473

Ion Ratio Lower Upper

56 100

55 73.6 57.4 86.2



#14

Allyl chloride

Concen: 19.583 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

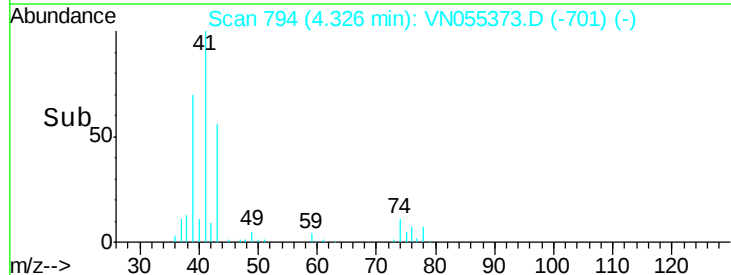
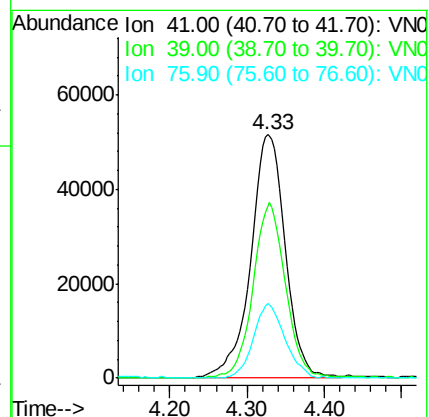
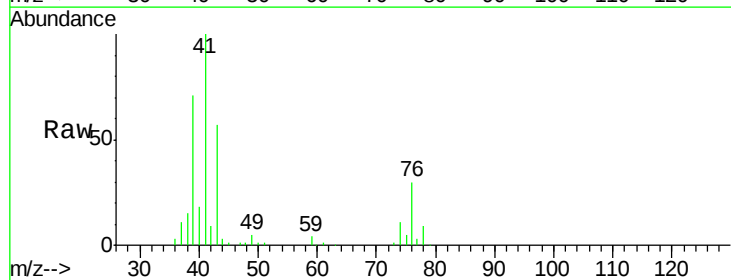
Tgt Ion: 41 Resp: 161154

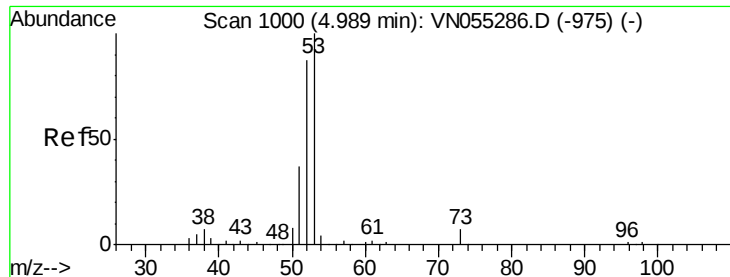
Ion Ratio Lower Upper

41 100

39 67.3 53.0 79.6

76 27.8 22.7 34.1

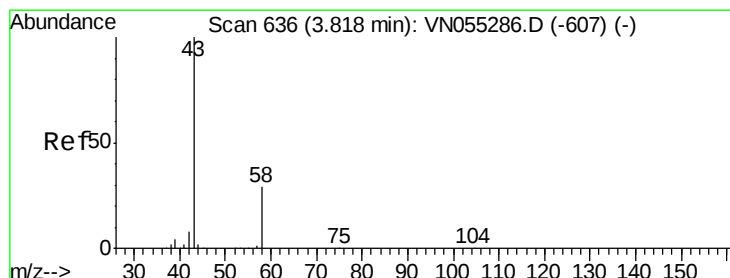
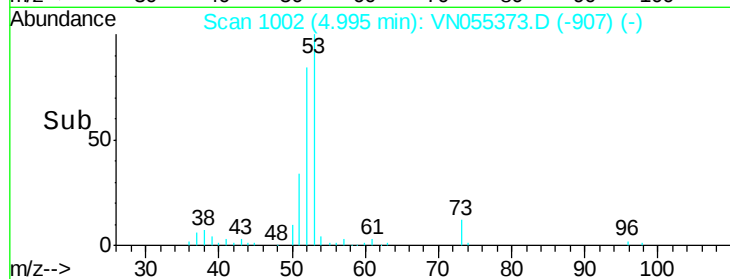
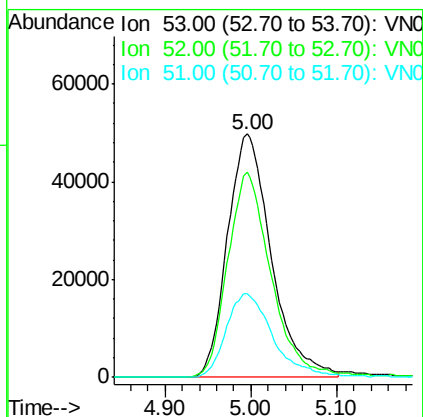
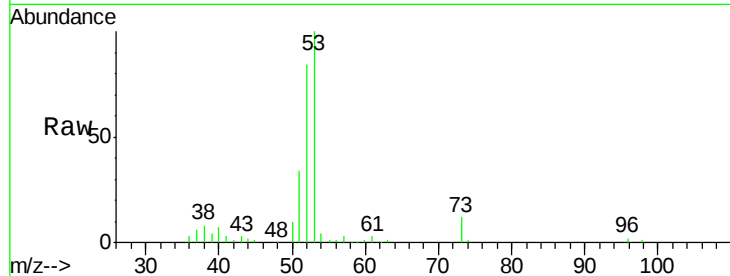




#15
 Acrylonitrile
 Concen: 103.969 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

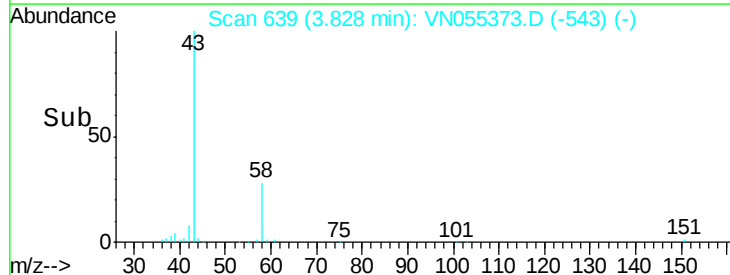
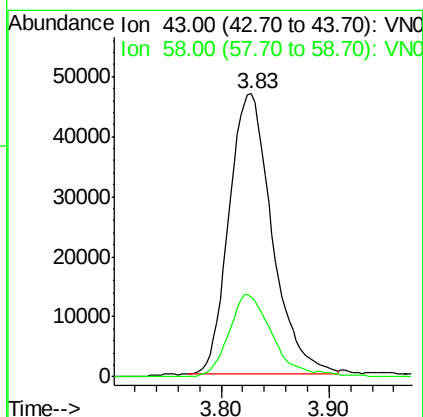
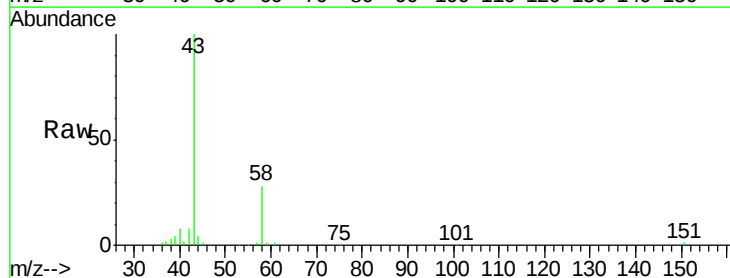
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

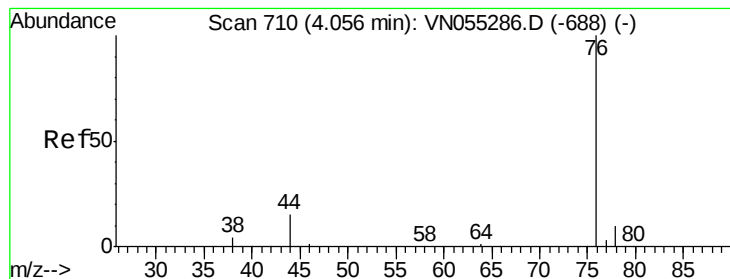
Tot Ion: 53 Resp: 176067
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.5 99.7
 51 36.6 29.6 44.4



#16
 Acetone
 Concen: 79.432 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 43 Resp: 130241
 Ion Ratio Lower Upper
 43 100
 58 28.7 23.6 35.4





#17

Carbon Disulfide

Concen: 16.640 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

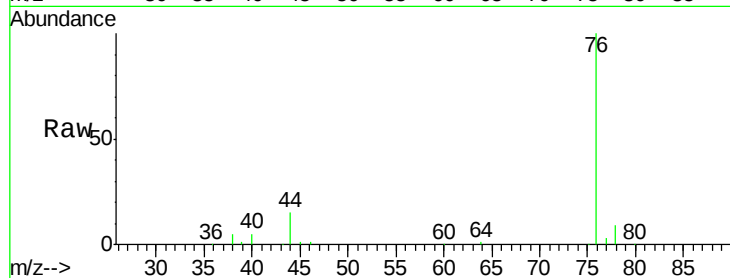
VN0502MBSD02

Tot Ion: 76 Resp: 172557

Ion Ratio Lower Upper

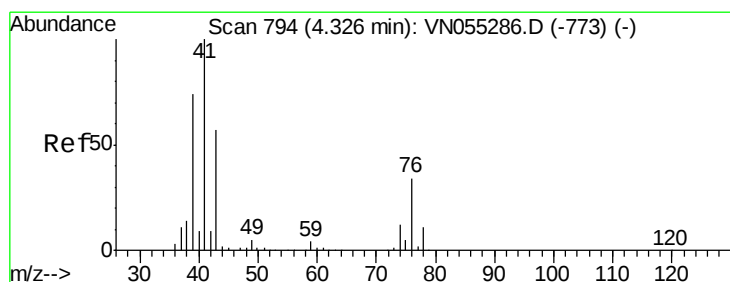
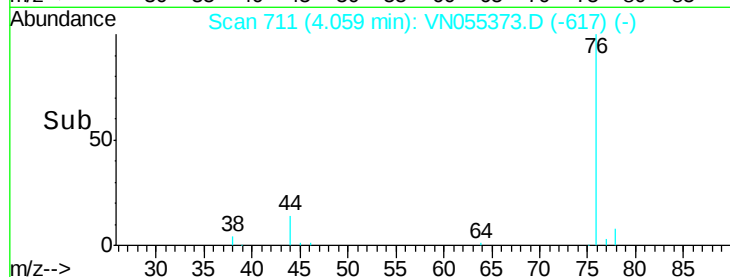
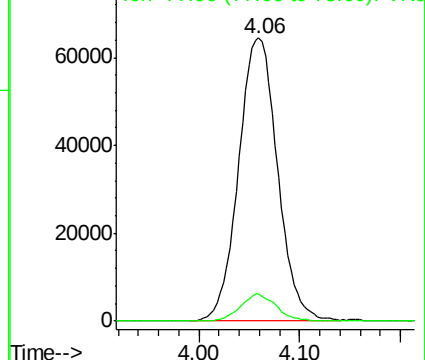
76 100

78 9.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.256 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055373.D

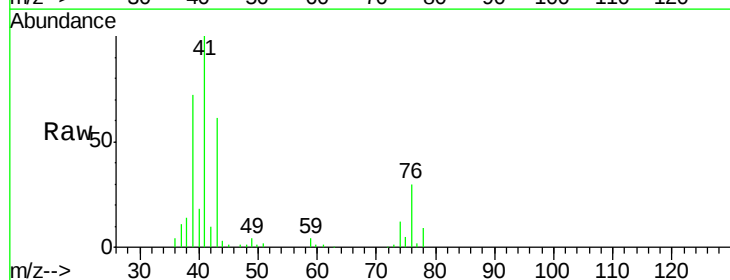
Acq: 3 May 2019 2:47

Tgt Ion: 43 Resp: 91192

Ion Ratio Lower Upper

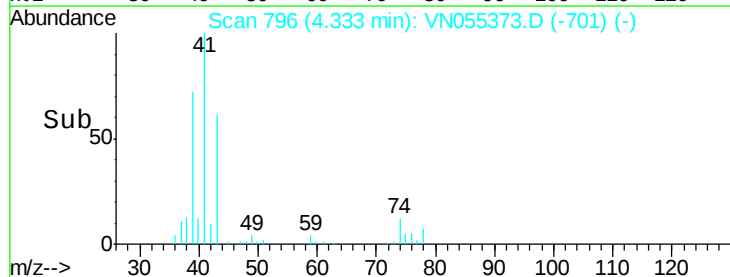
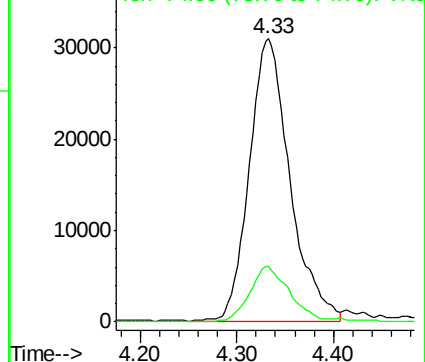
43 100

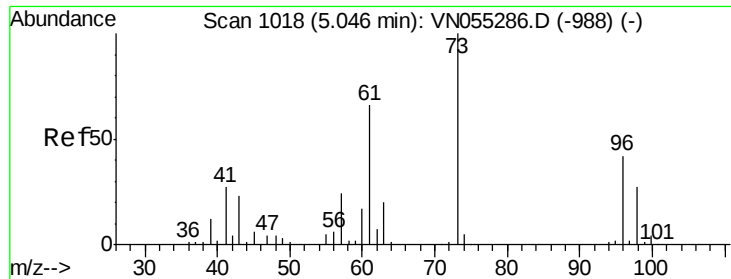
74 19.1 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

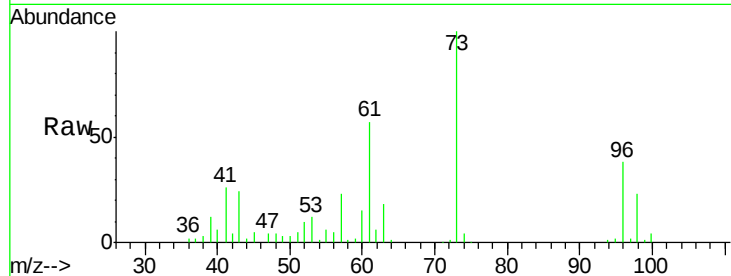




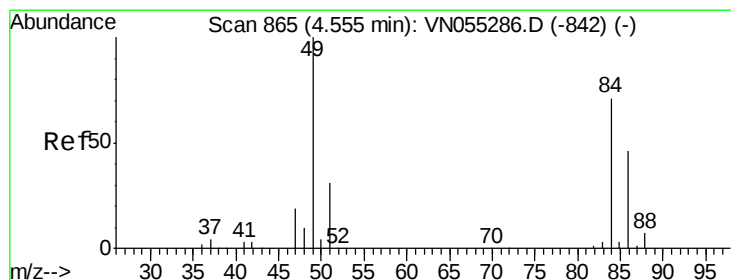
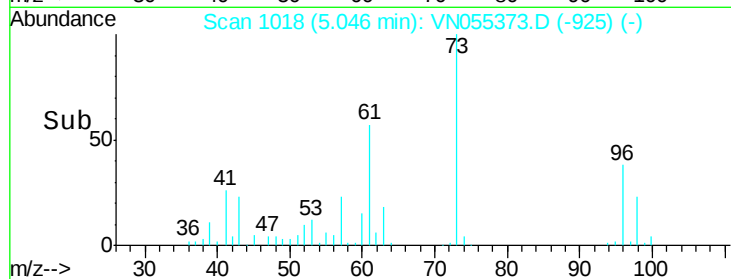
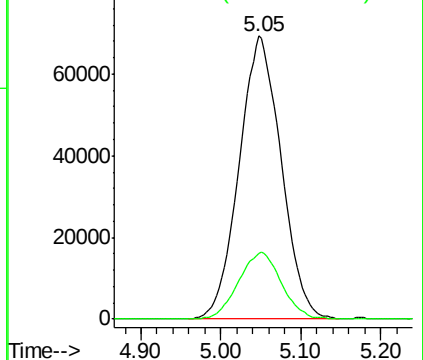
#19
Methyl tert-butyl Ether
Concen: 22.232 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampled :
VN0502MBSD02

Tot Ion: 73 Resp: 248337
Ion Ratio Lower Upper
73 100
57 23.2 19.1 28.7

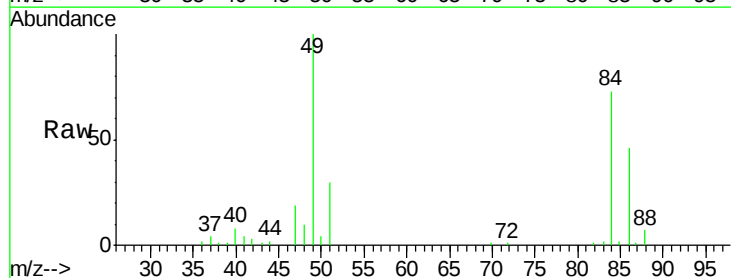


Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

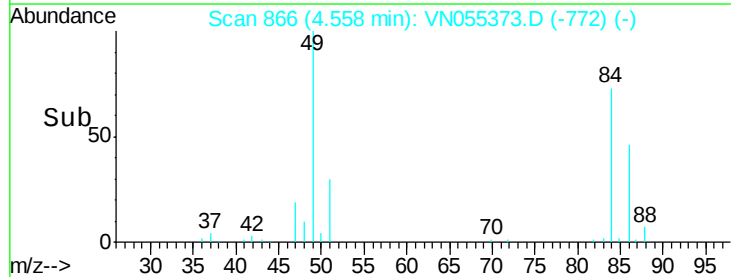
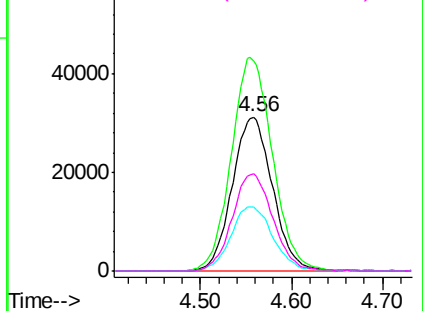


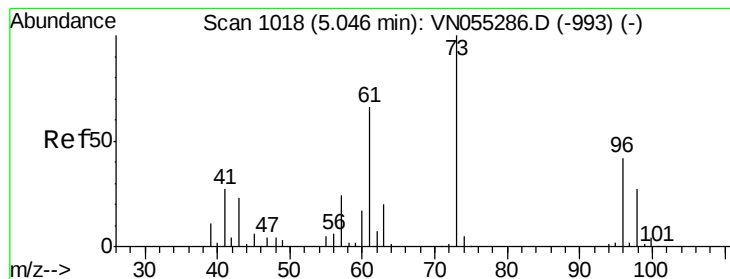
#20
Methylene Chloride
Concen: 19.199 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 84 Resp: 96085
Ion Ratio Lower Upper
84 100
49 136.1 112.4 168.6
51 41.2 34.6 51.8
86 62.9 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.968 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampled :

VN0502MBSD02

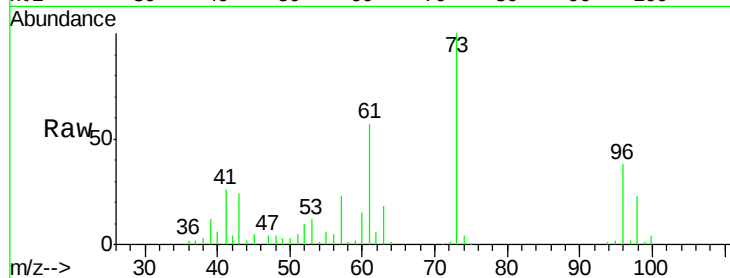
Tot Ion: 96 Resp: 84029

Ion Ratio Lower Upper

96 100

61 148.7 126.2 189.4

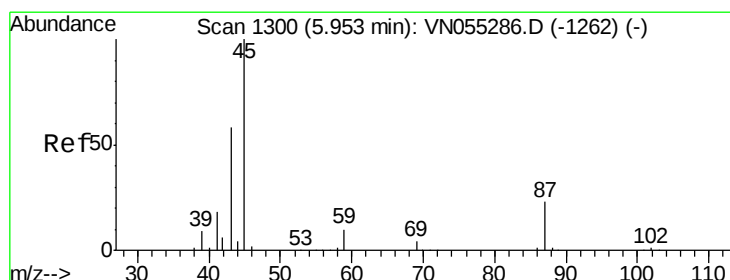
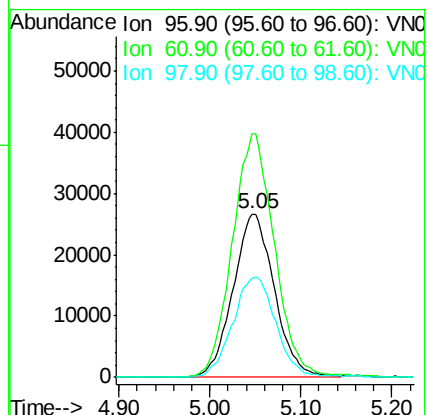
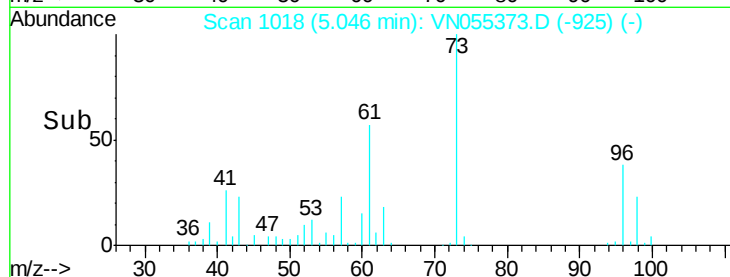
98 60.8 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.957 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Tgt Ion: 45 Resp: 359029

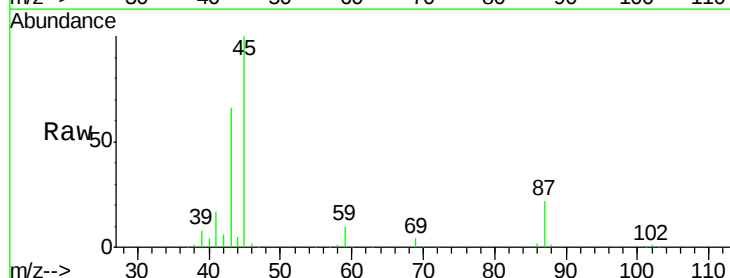
Ion Ratio Lower Upper

45 100

43 63.5 46.6 70.0

87 21.9 18.1 27.1

59 9.5 8.2 12.2

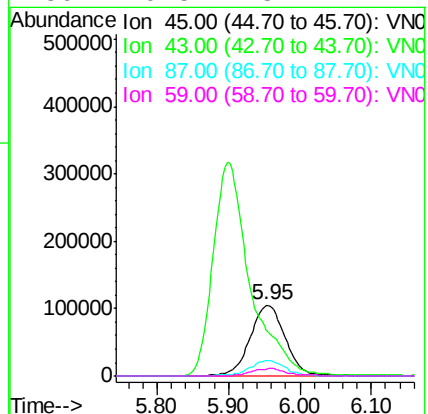
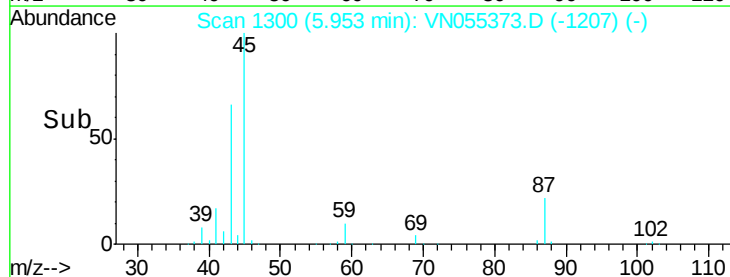


Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 106.739 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

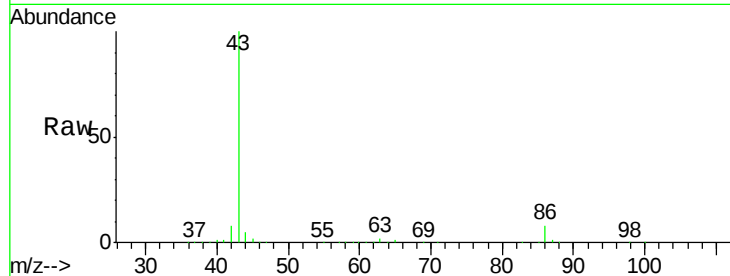
VN0502MBSD02

Tot Ion: 43 Resp: 1143873

Ion Ratio Lower Upper

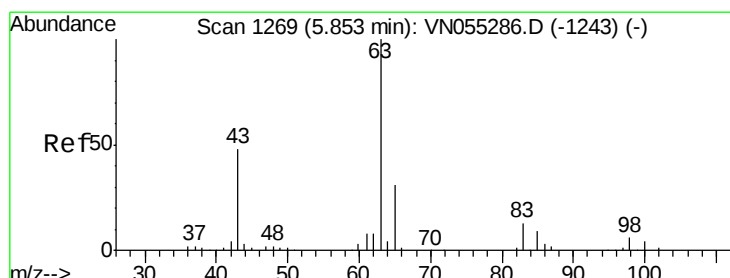
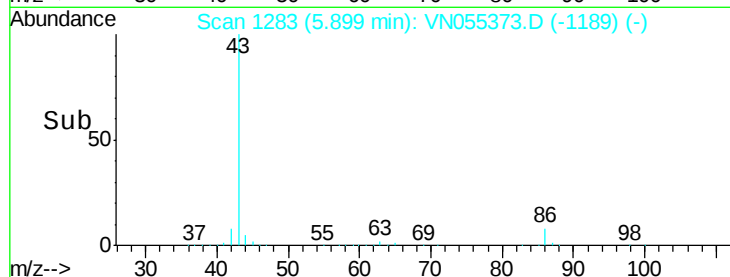
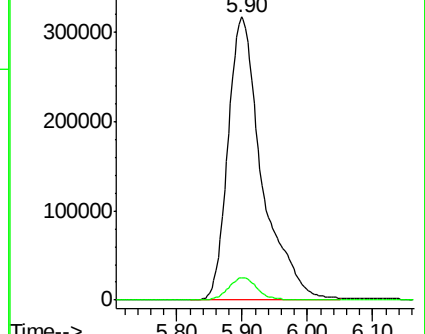
43 100

86 7.9 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.145 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

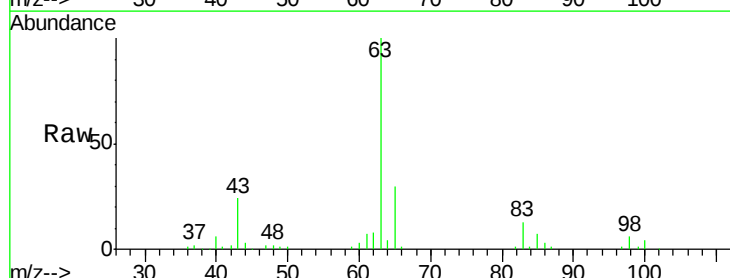
Tgt Ion: 63 Resp: 184215

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

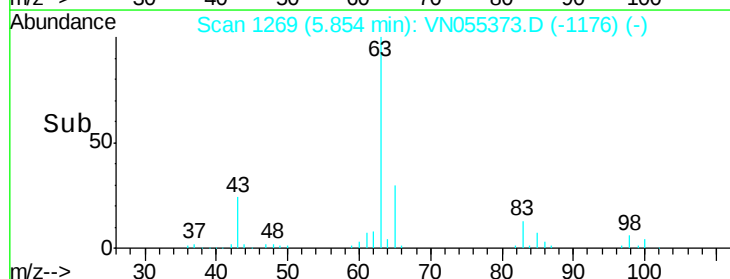
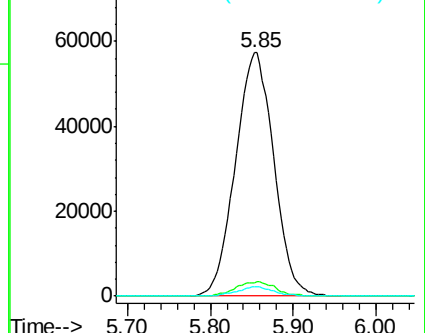
100 4.0 1.8 5.4

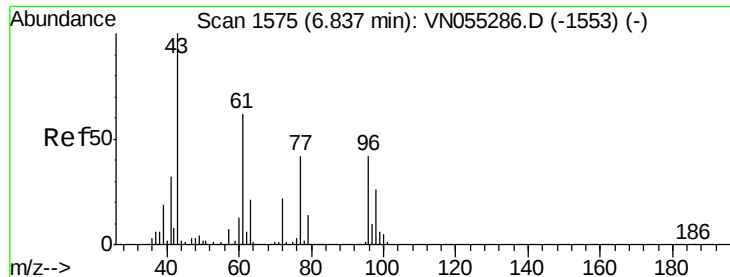


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.268 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

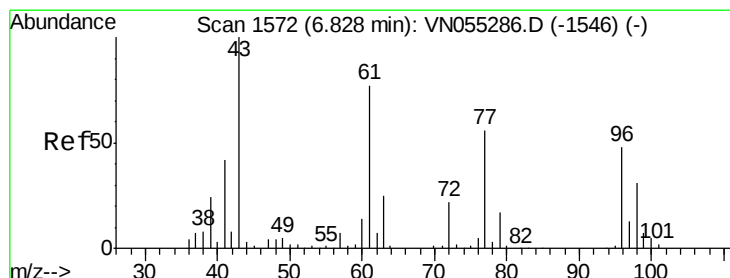
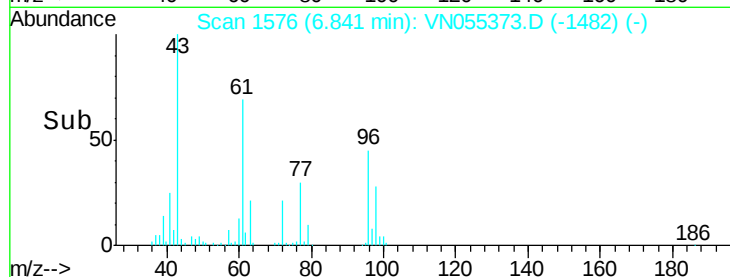
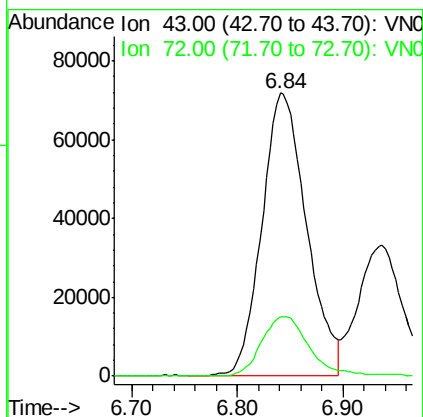
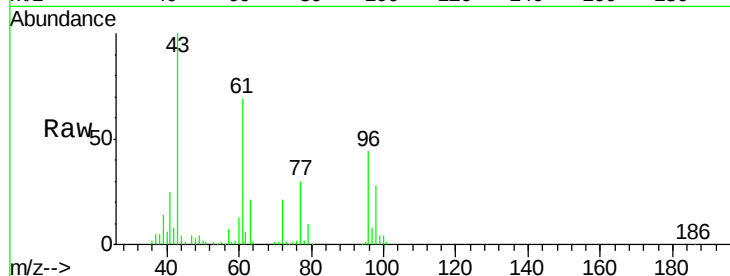
VN0502MBSD02

Tot Ion: 43 Resp: 210251

Ion Ratio Lower Upper

43 100

72 20.9 18.0 27.0



#26

2,2-Dichloropropane

Concen: 13.914 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055373.D

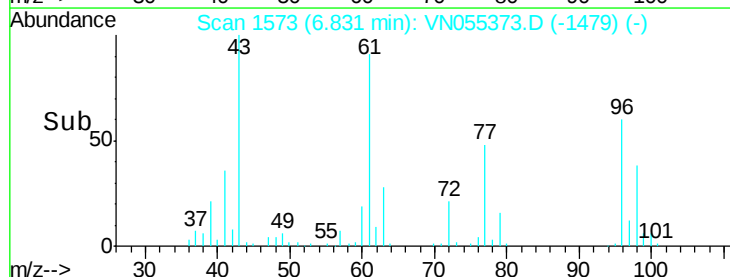
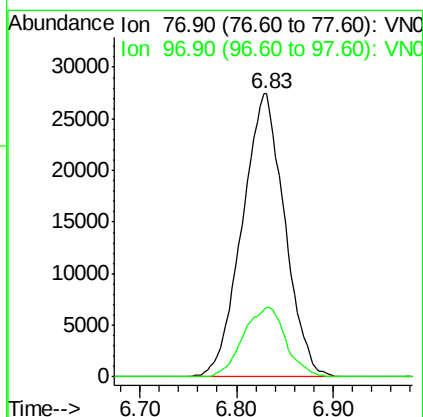
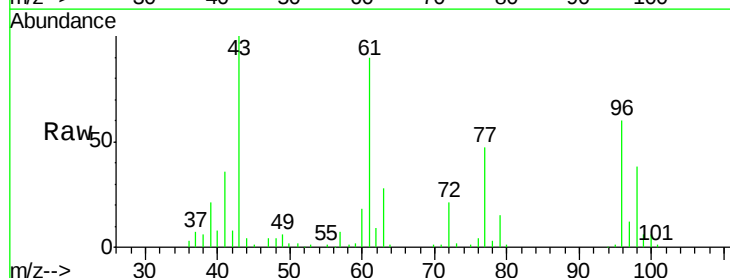
Acq: 3 May 2019 2:47

Tgt Ion: 77 Resp: 83708

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.817 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampled :

VN0502MBSD02

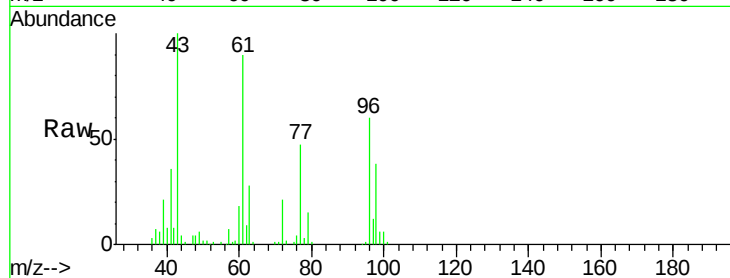
Tot Ion: 96 Resp: 99619

Ion Ratio Lower Upper

96 100

61 157.3 0.0 316.2

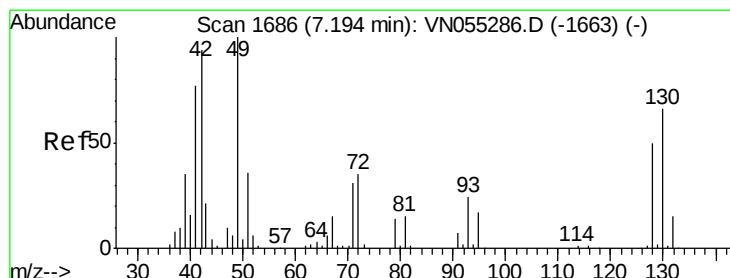
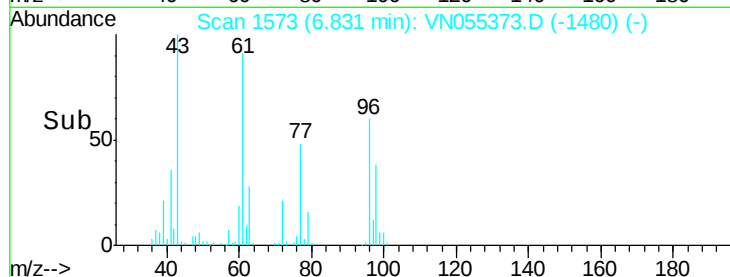
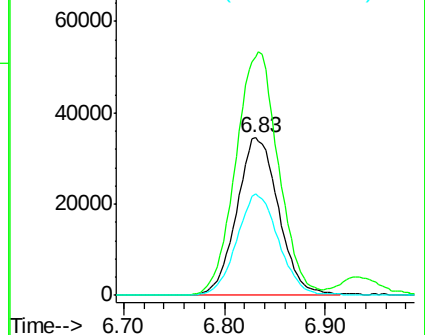
98 64.3 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.500 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

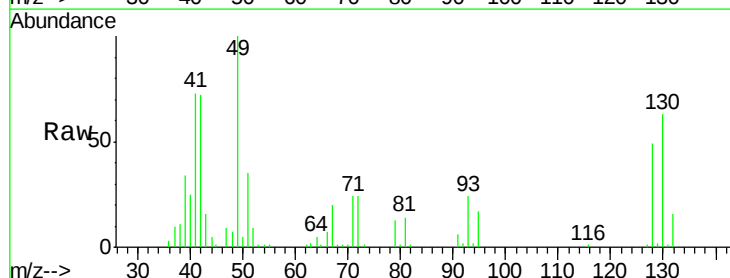
Tgt Ion: 49 Resp: 90025

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.4

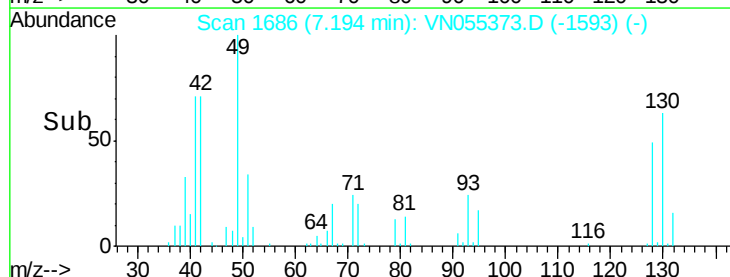
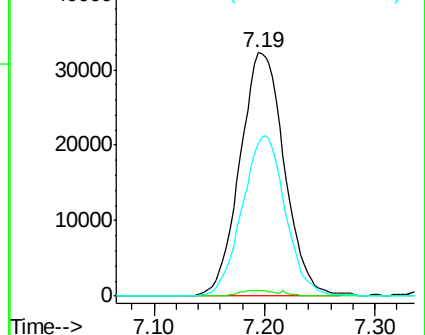
130 63.9 52.0 78.0

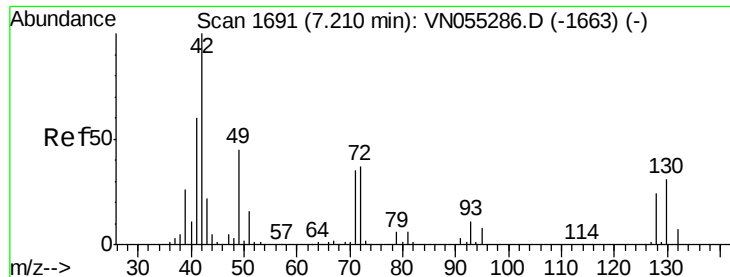


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

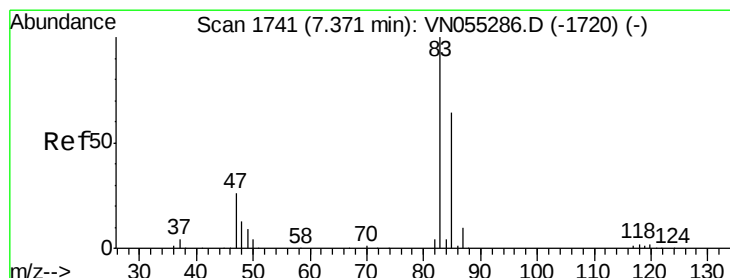
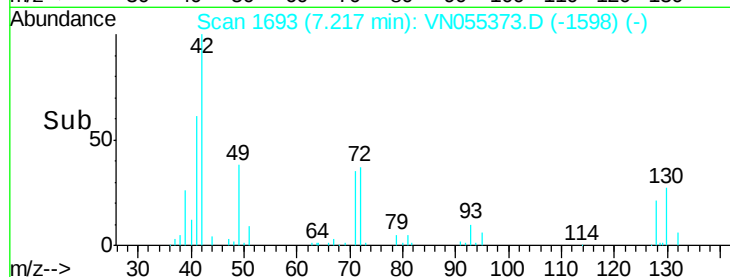
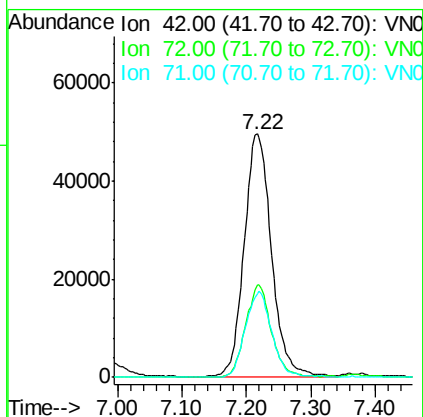
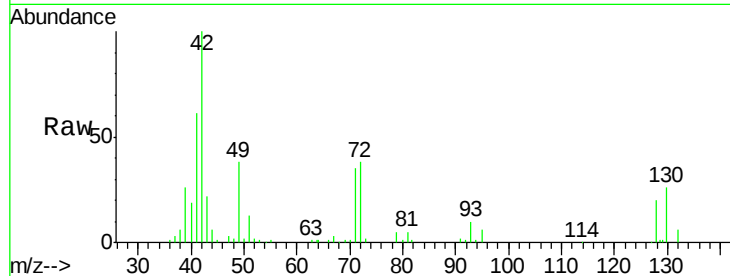




#29
Tetrahydrofuran
Concen: 109.685 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

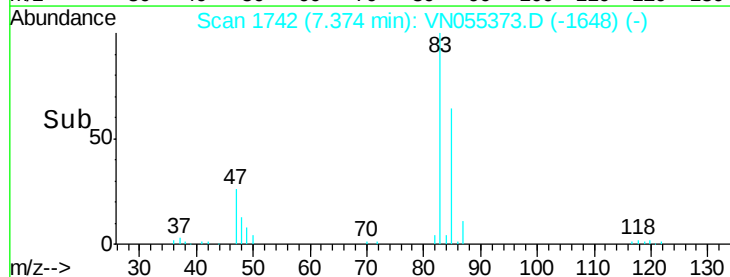
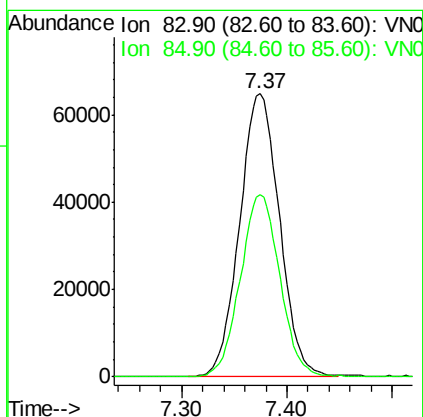
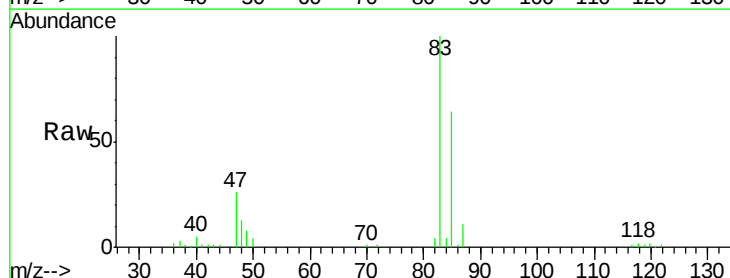
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

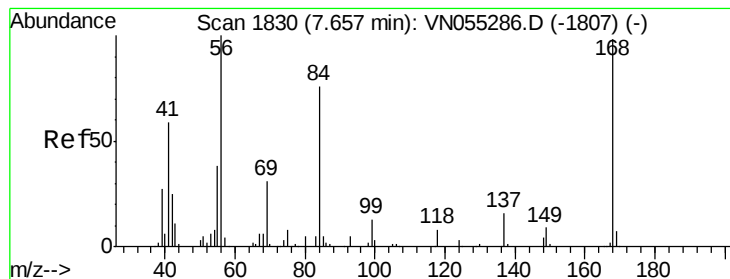
Tot Ion: 42 Resp: 147274
Ion Ratio Lower Upper
42 100
72 35.7 29.0 43.6
71 33.9 27.1 40.7



#30
Chloroform
Concen: 20.671 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 83 Resp: 170713
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 19.576 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleID :

VN0502MBSD02

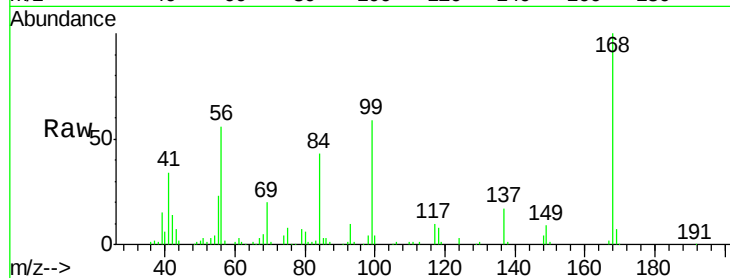
Tot Ion: 56 Resp: 162041

Ion Ratio Lower Upper

56 100

69 35.2 25.2 37.8

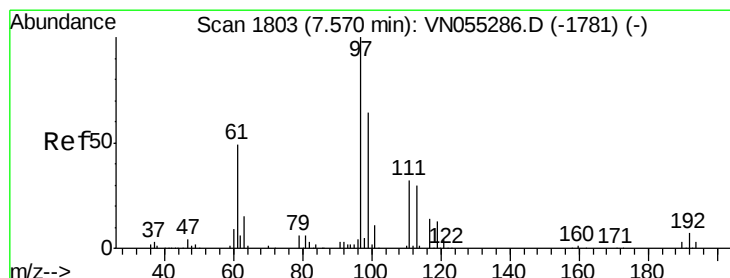
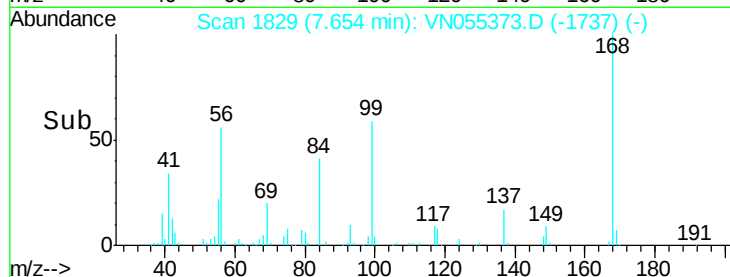
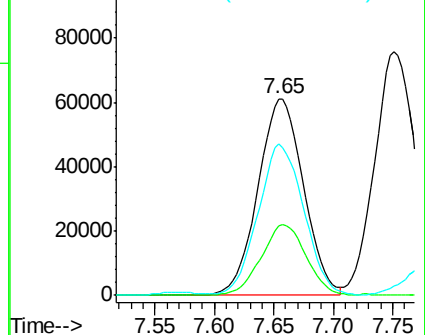
84 75.6 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.483 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

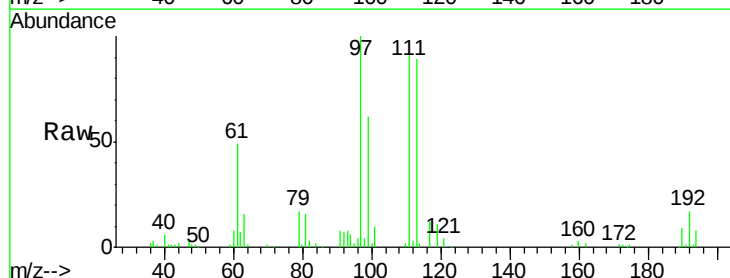
Tgt Ion: 97 Resp: 137294

Ion Ratio Lower Upper

97 100

99 63.1 51.8 77.8

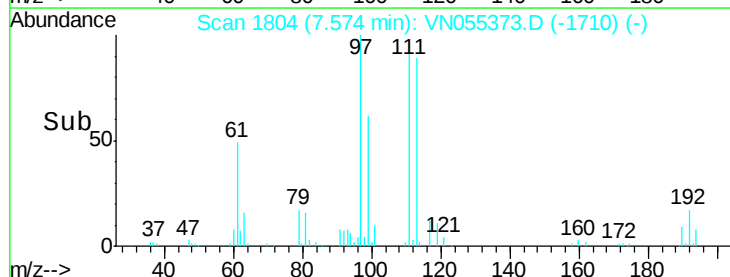
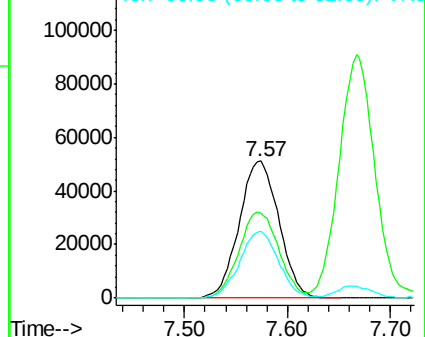
61 47.7 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

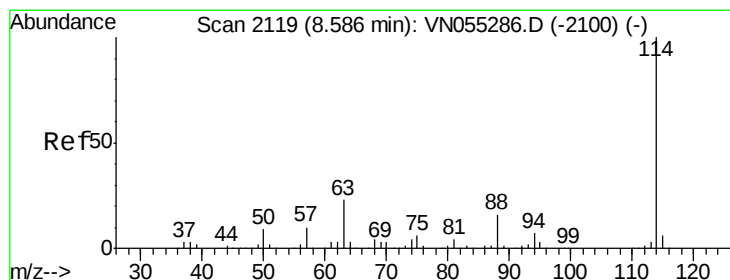
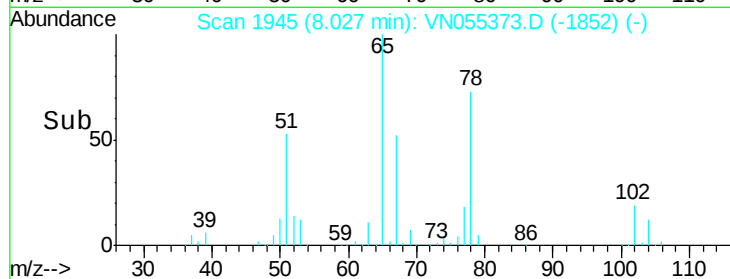
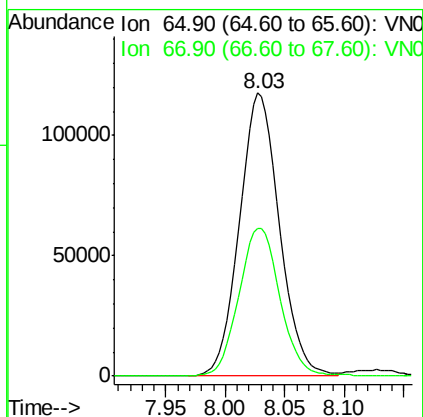
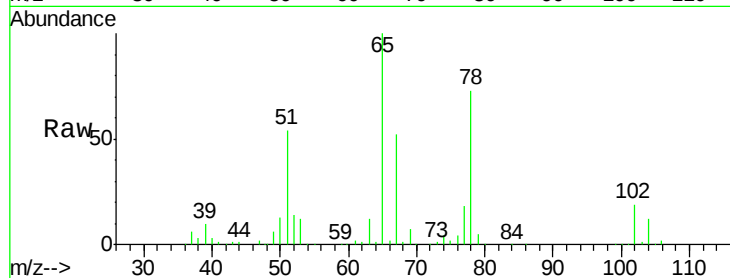




#33
 1,2-Dichloroethane-d4
 Concen: 52.055 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

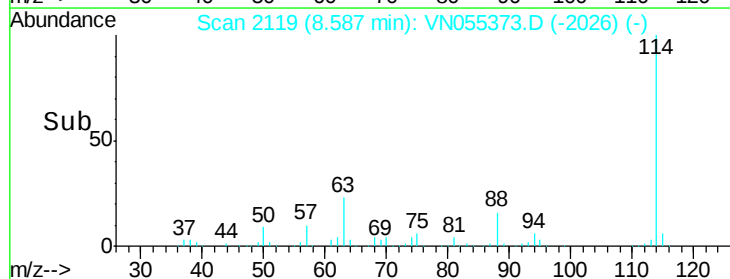
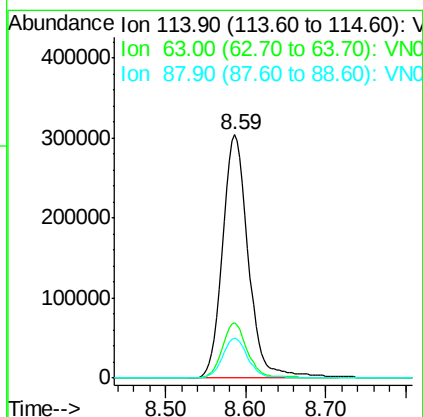
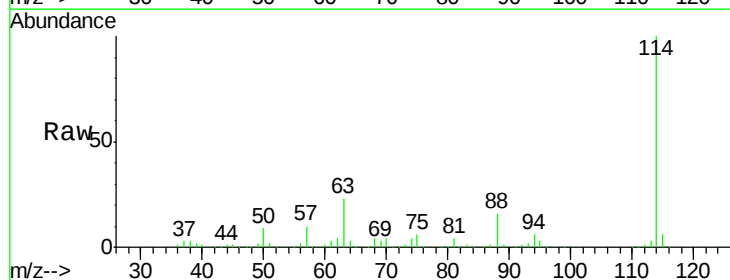
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

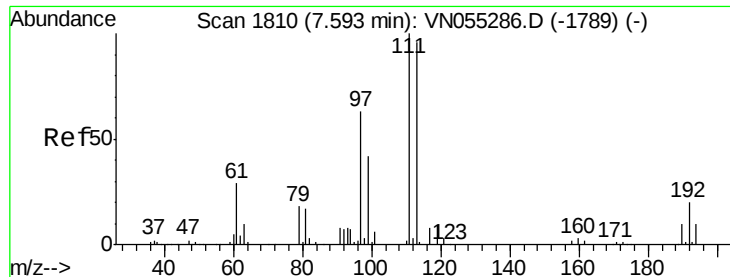
Tot Ion: 65 Resp: 273924
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 114 Resp: 676499
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 16.4 0.0 31.6

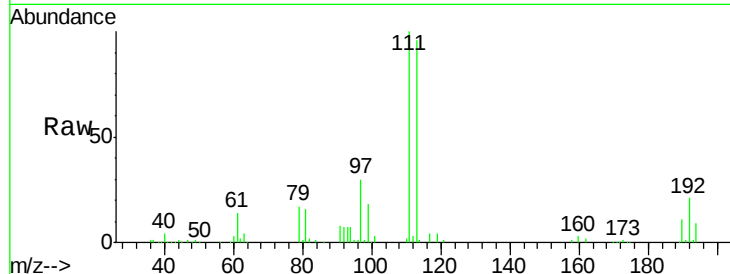




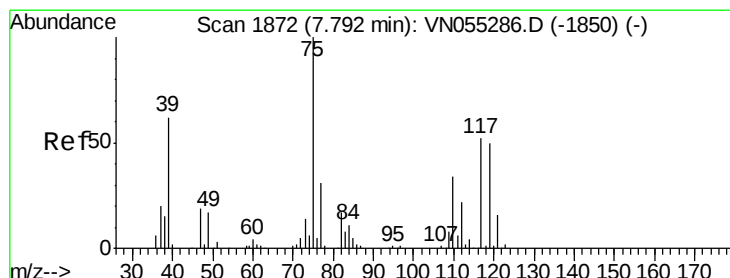
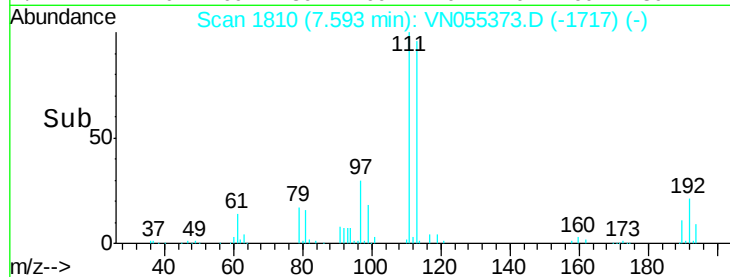
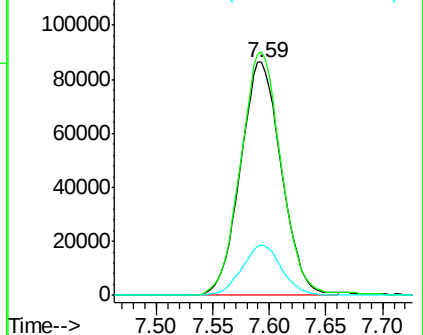
#35
 Dibromofluoromethane
 Concen: 48.952 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.3	123.5
192	20.9	17.0	25.6

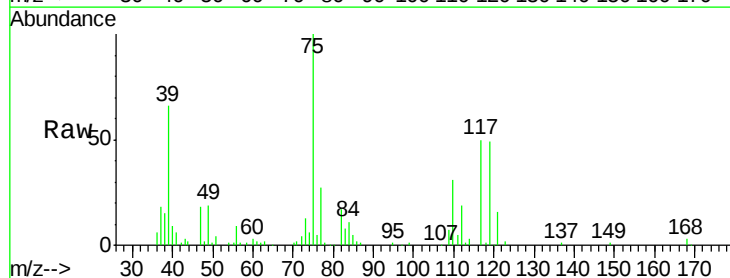


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

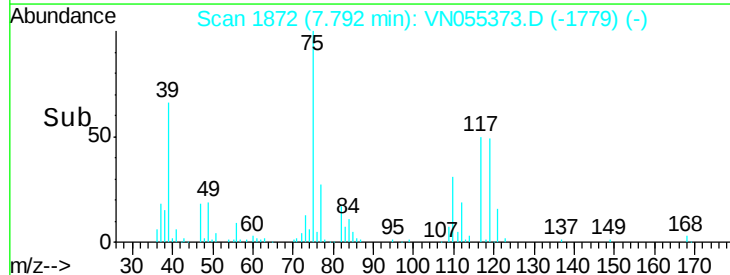
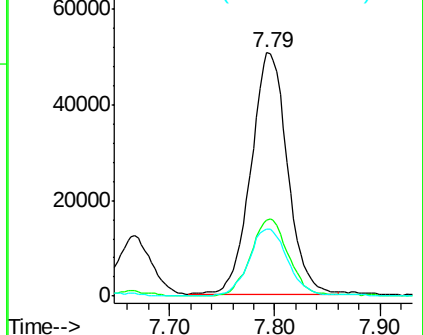


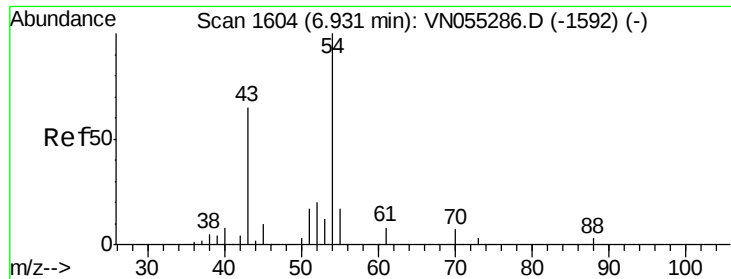
#36
 1,1-Dichloropropene
 Concen: 18.749 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.8	50.4
77	29.8	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

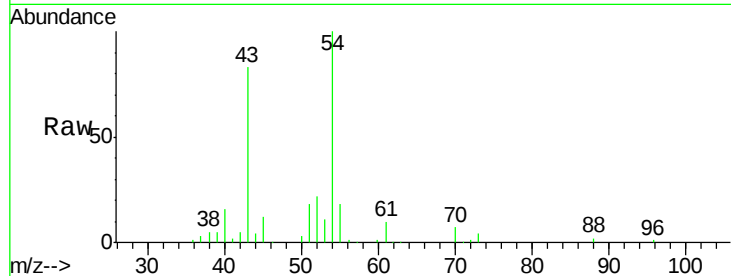




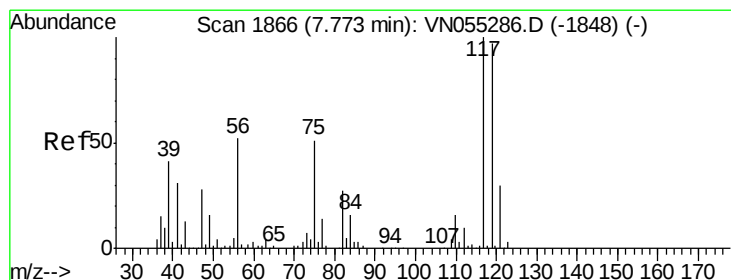
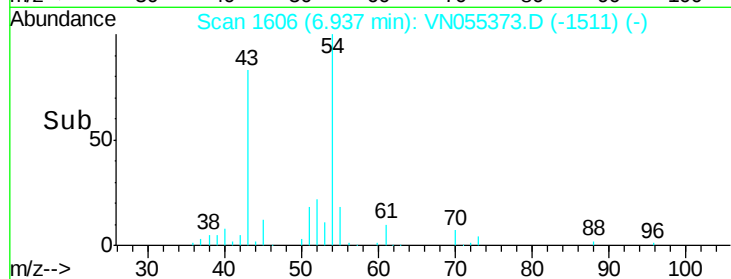
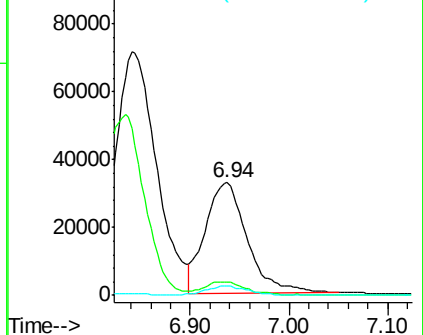
#37
Ethyl Acetate
Concen: 19.706 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampleID :
VN0502MBSD02

Tot Ion: 43 Resp: 97863
Ion Ratio Lower Upper
43 100
61 11.0 10.4 15.6
70 8.1 6.6 10.0

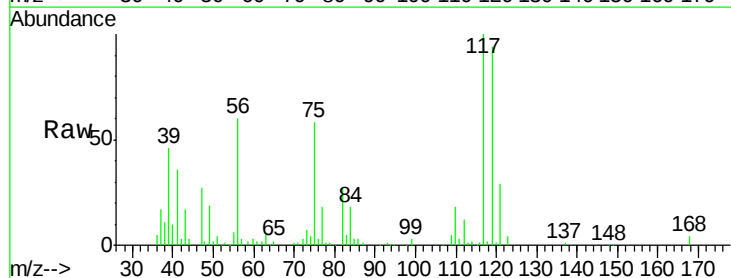


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

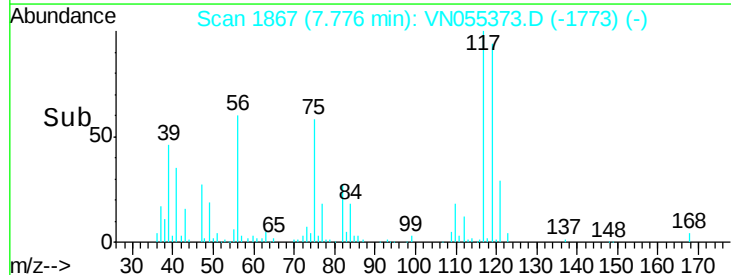
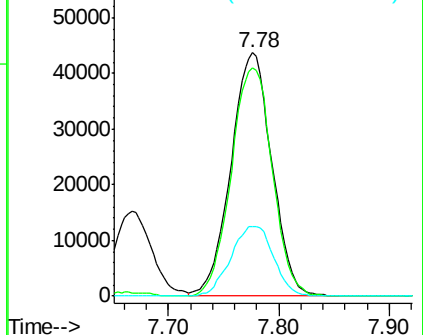


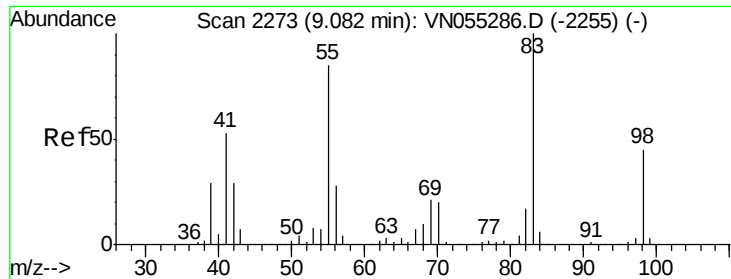
#38
Carbon Tetrachloride
Concen: 17.955 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 117 Resp: 112232
Ion Ratio Lower Upper
117 100
119 93.8 77.0 115.6
121 28.6 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

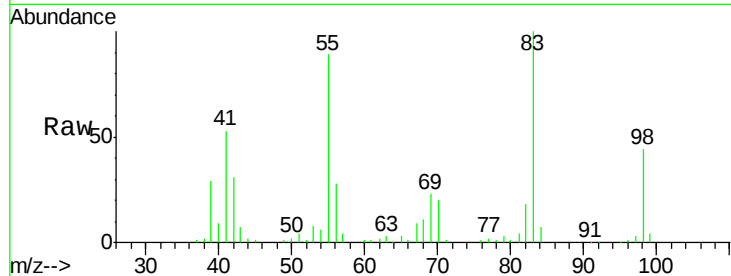




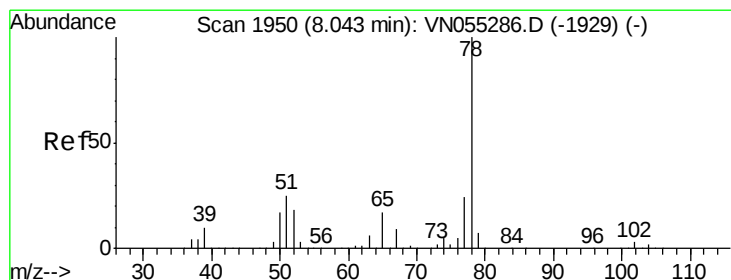
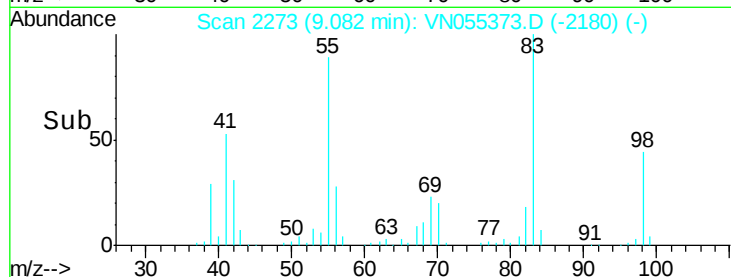
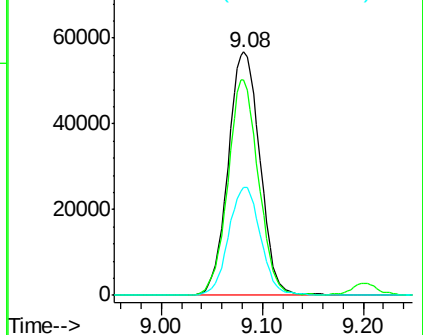
#39
Methvlcvclohexane
Concen: 18.098 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

Tot Ion: 83 Resp: 124688
Ion Ratio Lower Upper
83 100
55 88.6 67.8 101.6
98 44.5 36.2 54.4

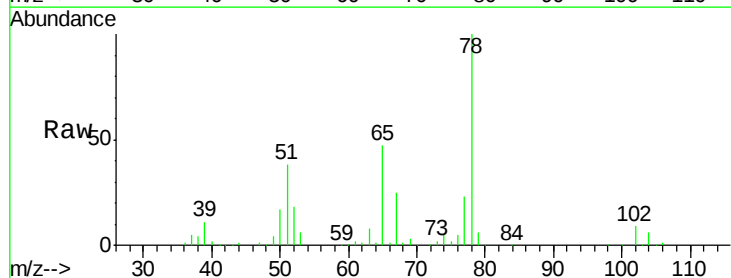


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

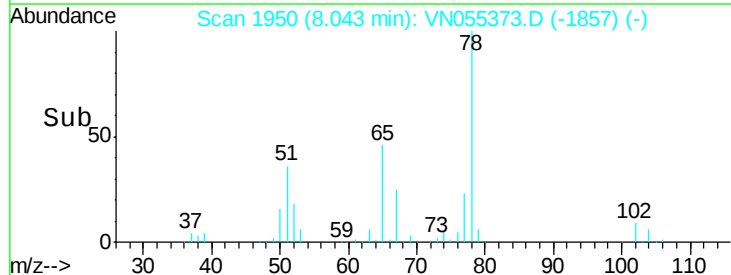
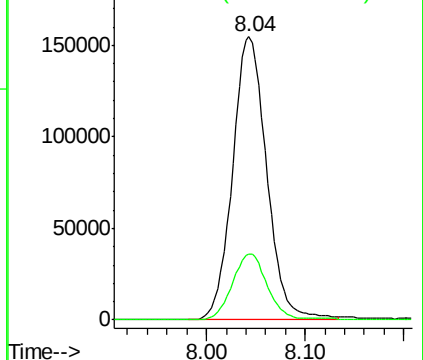


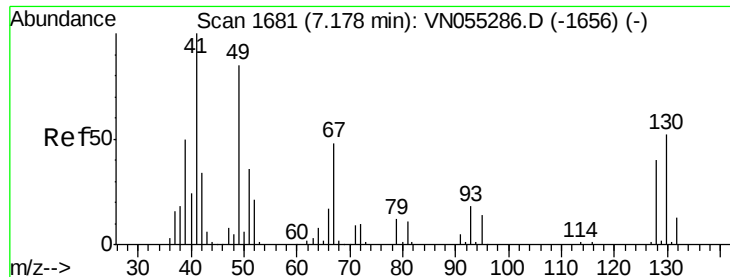
#40
Benzene
Concen: 19.490 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 78 Resp: 372305
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

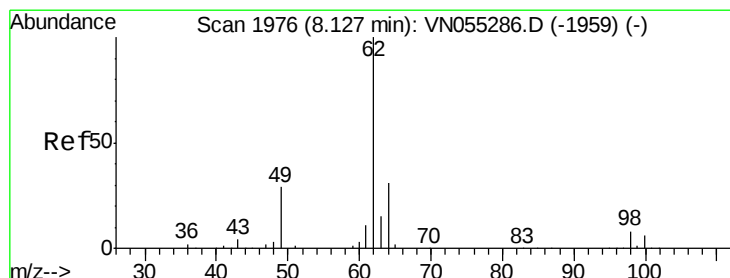
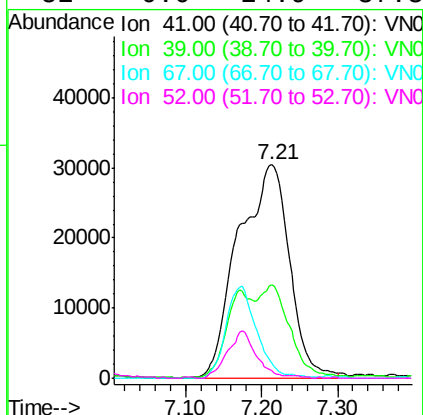
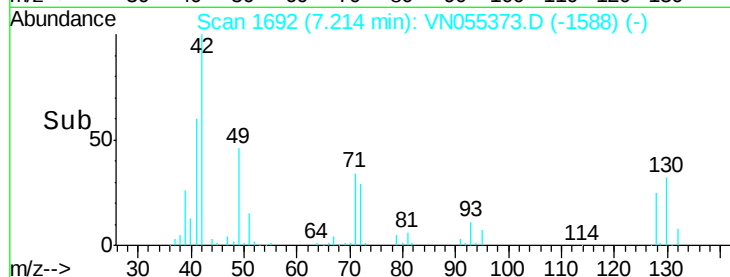
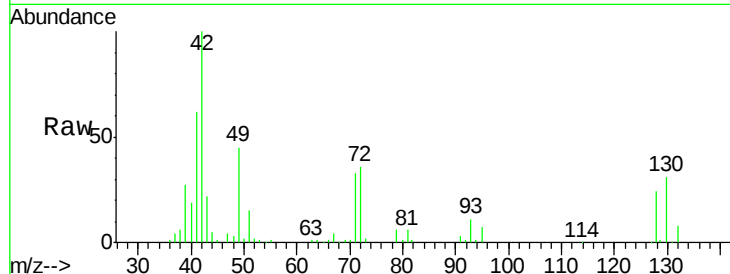




#41
Methacrylonitrile
Concen: 52.835 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

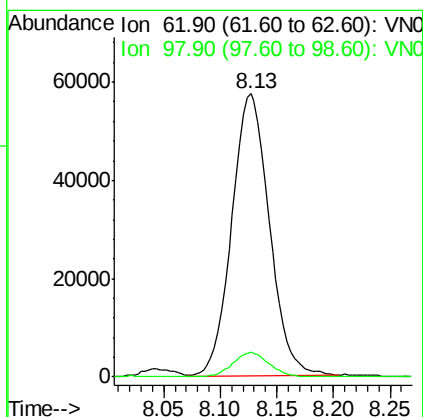
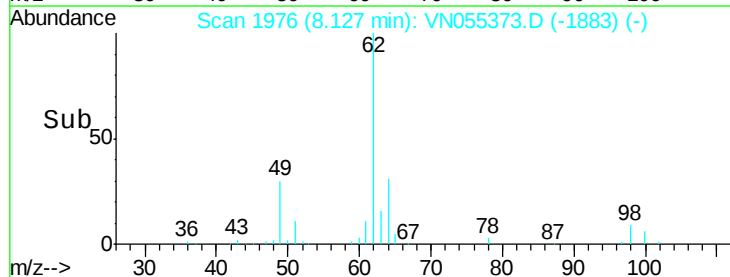
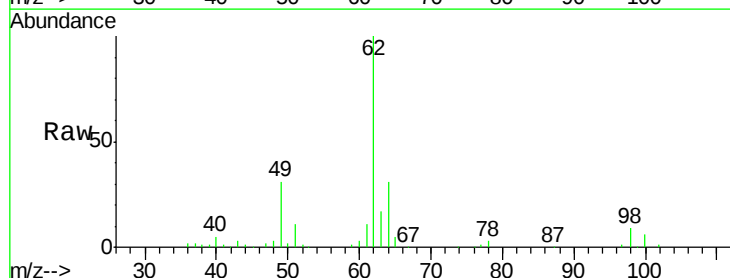
Instrument :
MSVOA_N
ClientSampled :
VN0502MBSD02

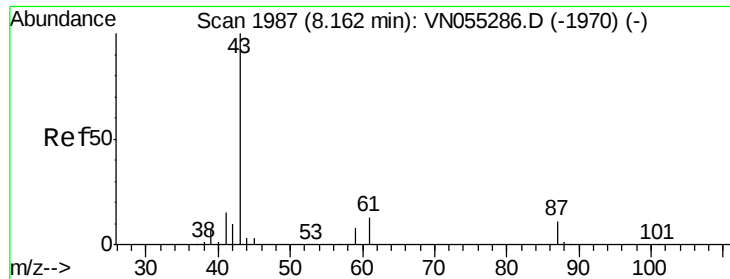
Tot Ion: 41 Resp: 142124
Ion Ratio Lower Upper
41 100
39 0.0 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#42
1,2-Dichloroethane
Concen: 19.642 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 62 Resp: 132891
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.466 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

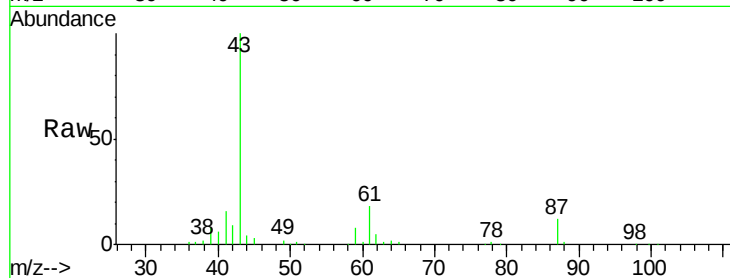
Tot Ion: 43 Resp: 171321

Ion Ratio Lower Upper

43 100

61 17.6 20.8 31.2#

87 10.6 8.5 12.7

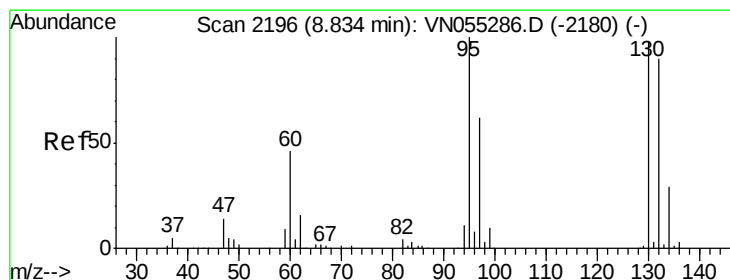
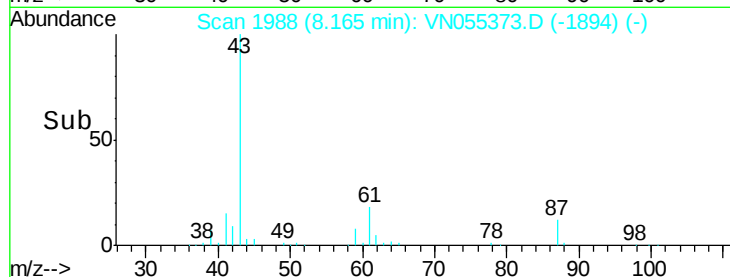


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 19.396 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055373.D

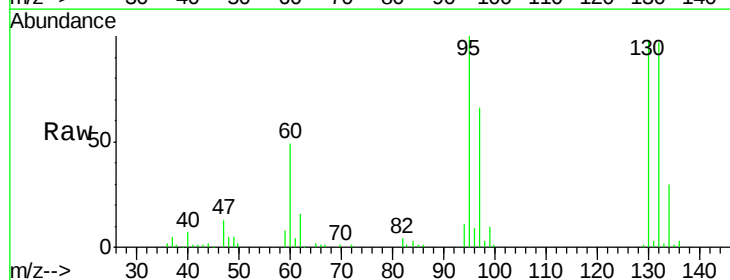
Acq: 3 May 2019 2:47

Tgt Ion:130 Resp: 94451

Ion Ratio Lower Upper

130 100

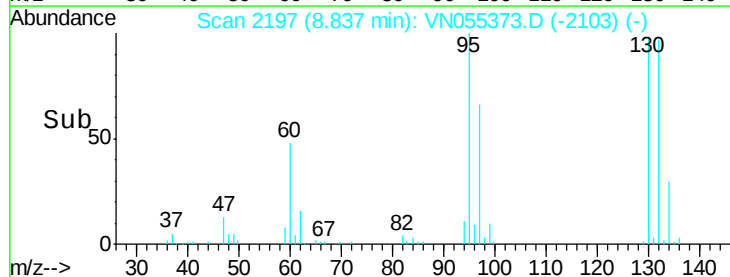
95 101.9 0.0 203.4

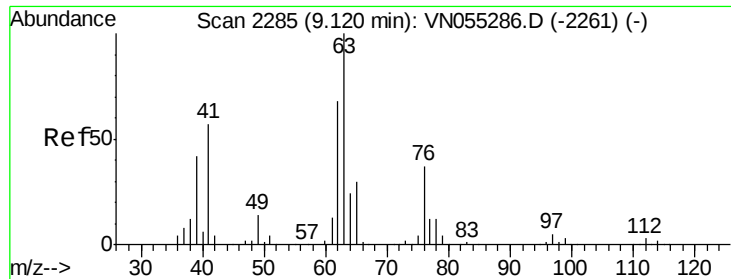


Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

Time-->

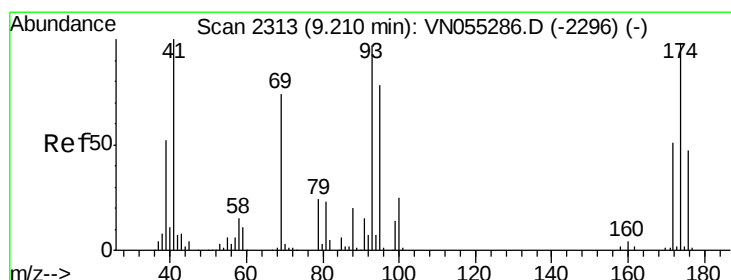
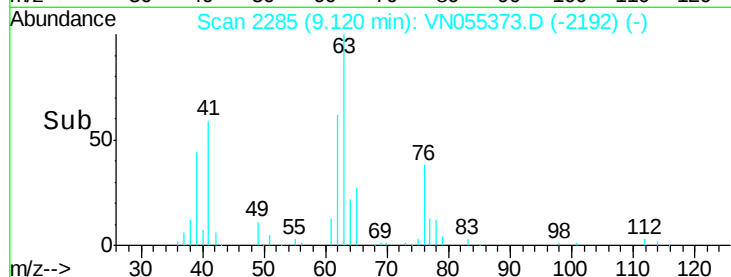
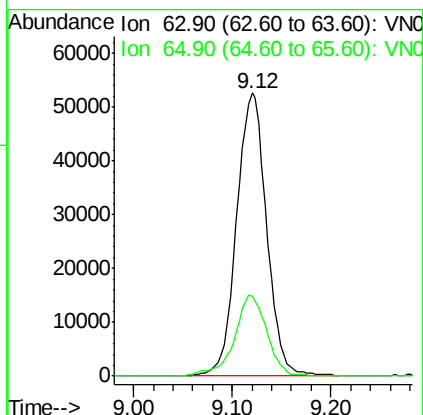
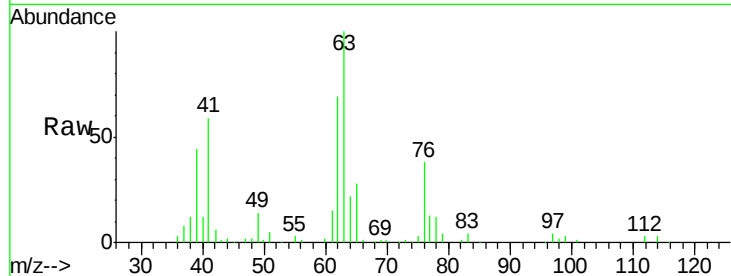




#45
 1,2-Dichloropropane
 Concen: 20.125 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

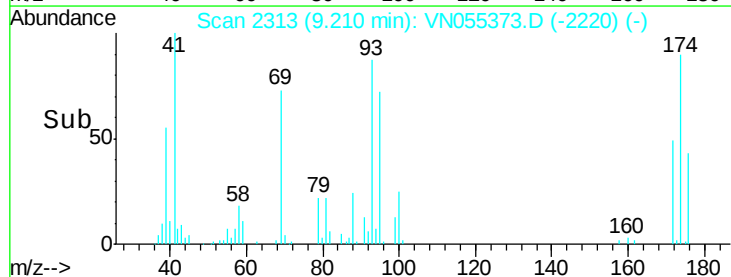
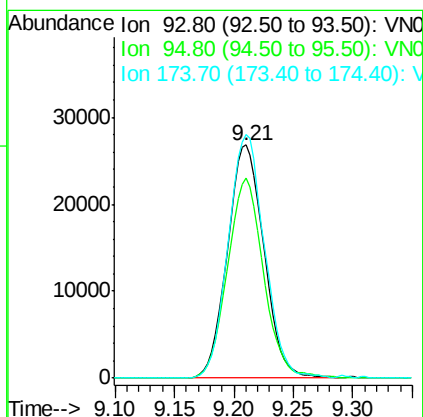
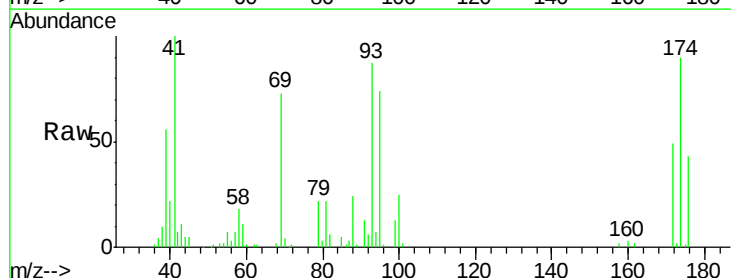
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

Tot Ion: 63 Resp: 110874
 Ion Ratio Lower Upper
 63 100
 65 28.1 23.9 35.9



#46
 Dibromomethane
 Concen: 18.977 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 93 Resp: 57147
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.7 98.5
 174 103.5 81.5 122.3

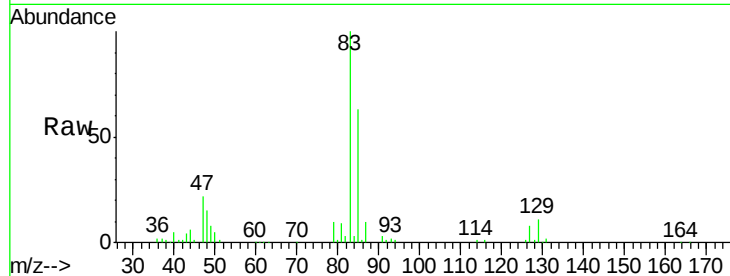




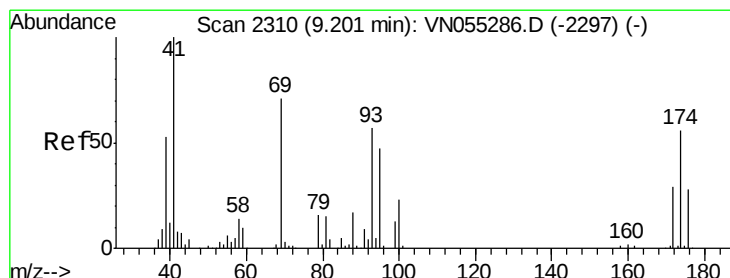
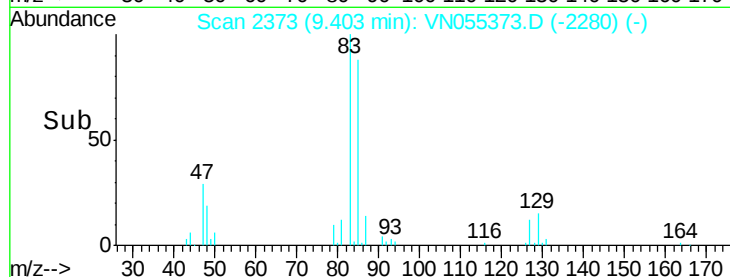
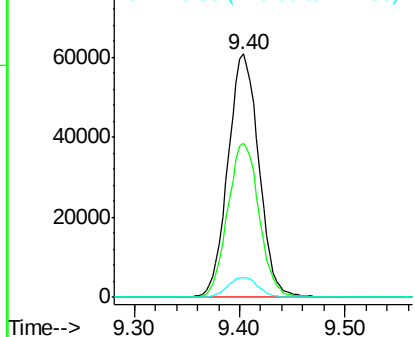
#47
Bromodichloromethane
Concen: 19.122 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

Tot Ion	83	Resp	123536
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.1	75.1
127	8.3	6.7	10.1

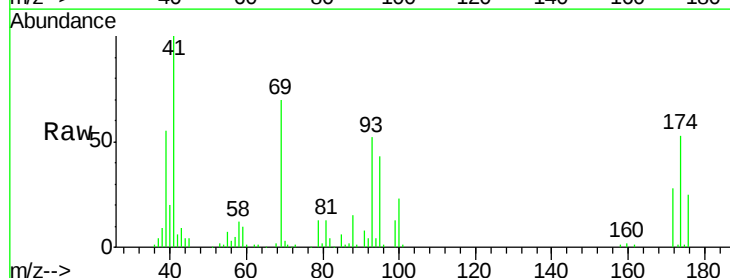


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

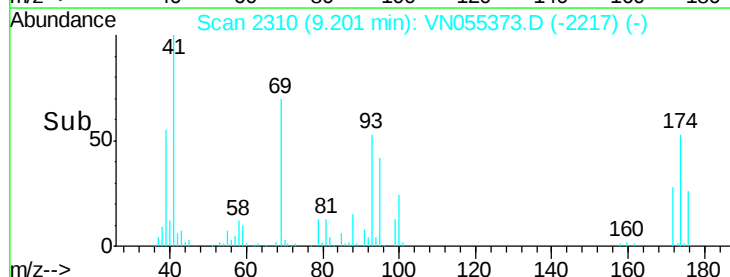
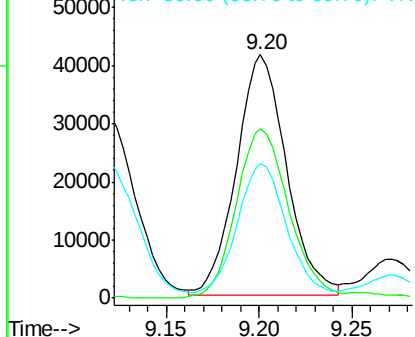


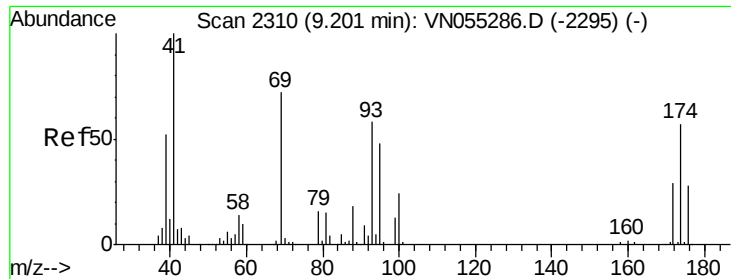
#48
Methyl methacrylate
Concen: 19.930 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion	41	Resp	78195
Ion Ratio	Lower	Upper	
41	100		
69	73.7	58.6	87.8
39	55.6	43.8	65.6



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





#49

1,4-Dioxane

Concen: 381.006 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

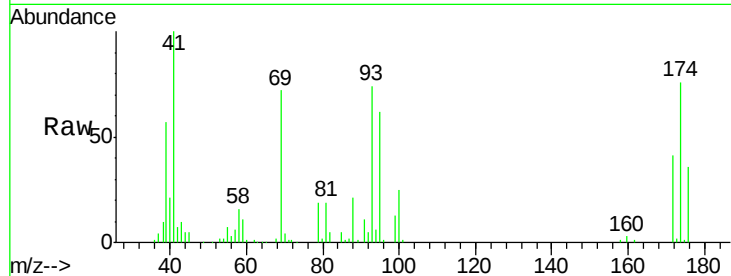
Tot Ion: 88 Resp: 15453

Ion Ratio Lower Upper

88 100

43 44.0 33.3 49.9

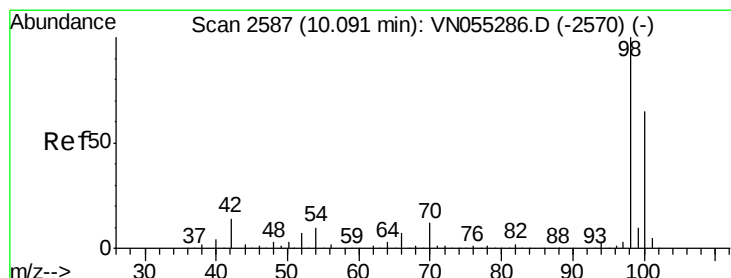
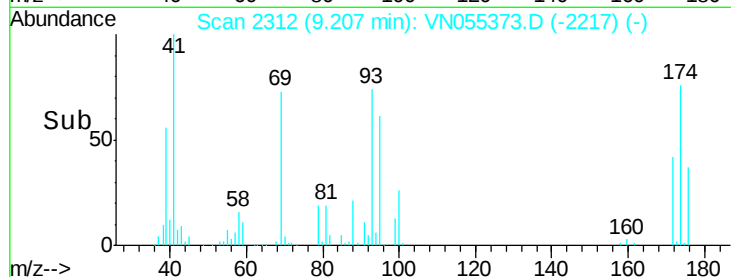
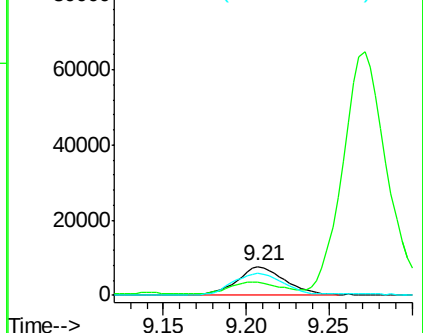
58 81.6 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055373.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055373.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055373.D (-2217) (-)



#50

Toluene-d8

Concen: 49.197 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055373.D

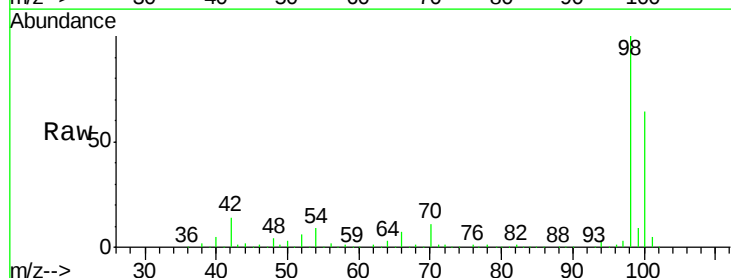
Acq: 3 May 2019 2:47

Tgt Ion: 98 Resp: 788800

Ion Ratio Lower Upper

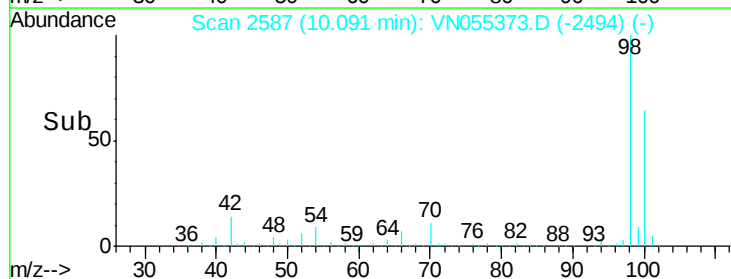
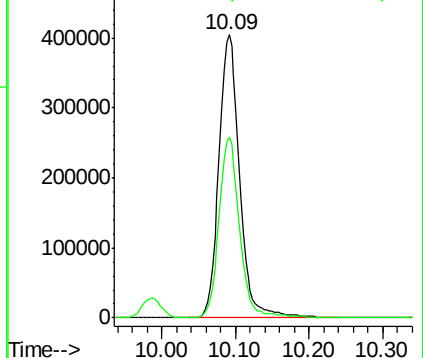
98 100

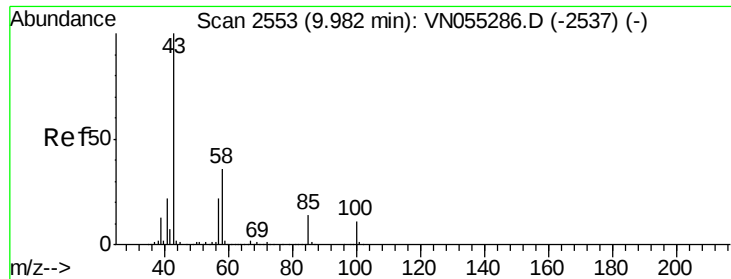
100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055373.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055373.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.063 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleID :

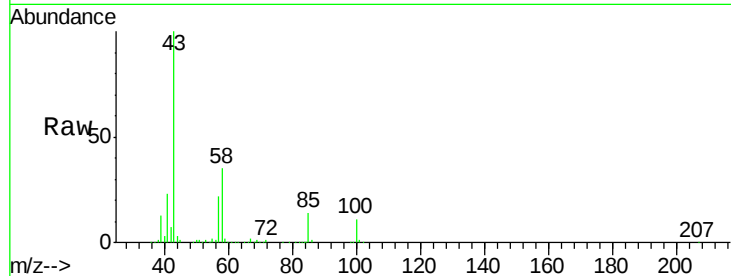
VN0502MBSD02

Tot Ion: 43 Resp: 454119

Ion Ratio Lower Upper

43 100

58 35.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

250000

200000

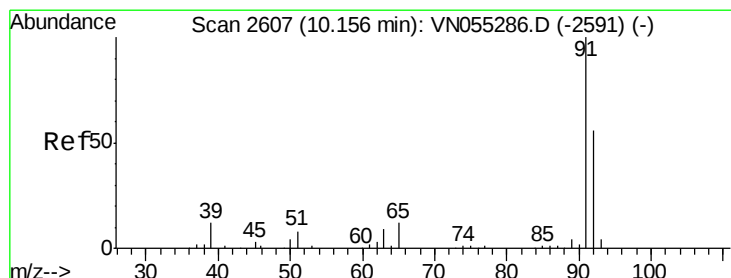
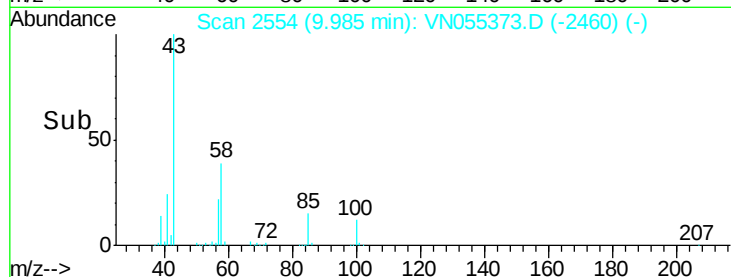
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055373.D

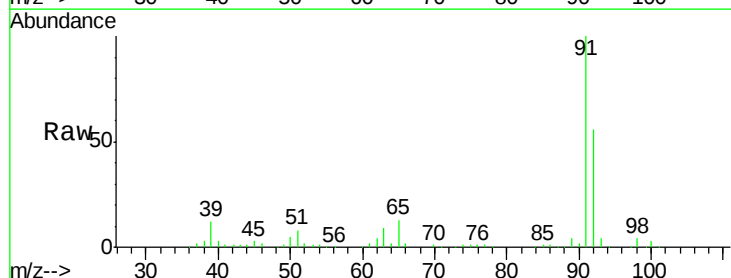
Acq: 3 May 2019 2:47

Tgt Ion: 92 Resp: 215067

Ion Ratio Lower Upper

92 100

91 175.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

200000

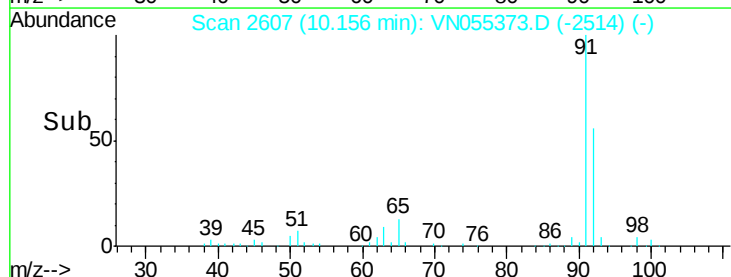
150000

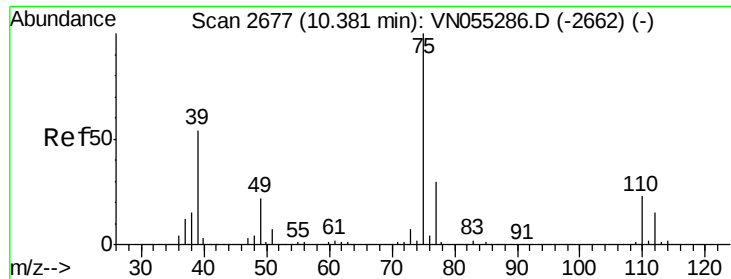
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.531 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

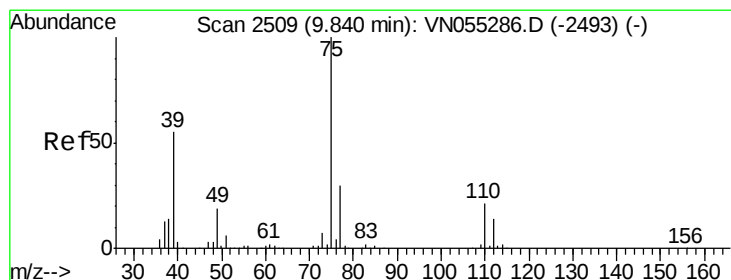
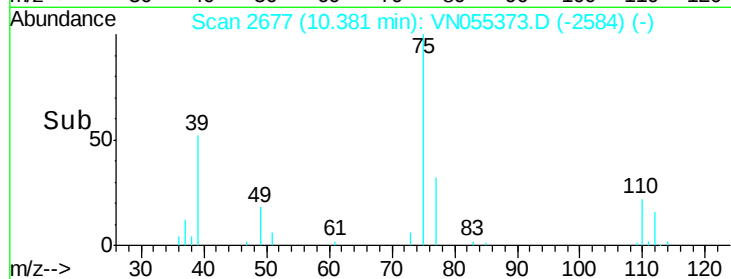
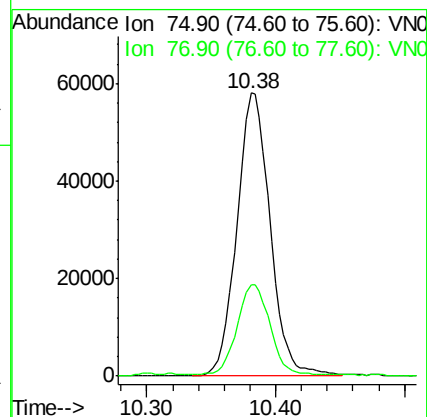
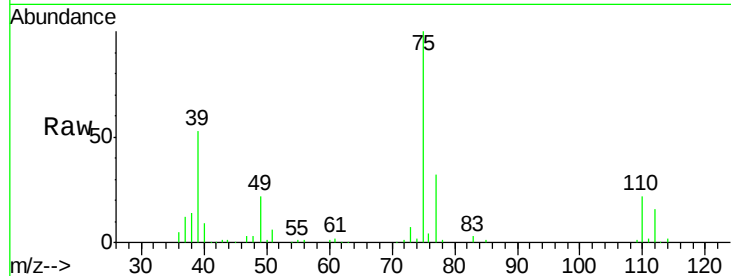
VN0502MBSD02

Tot Ion: 75 Resp: 103927

Ion Ratio Lower Upper

75 100

77 31.9 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 18.727 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

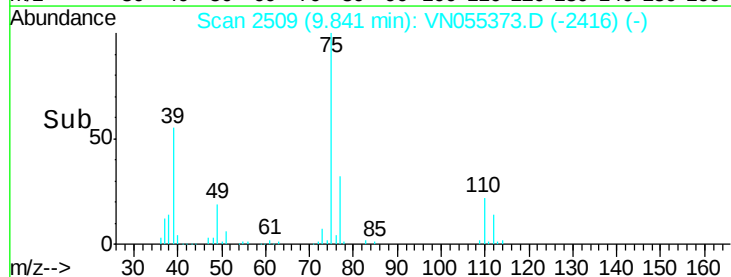
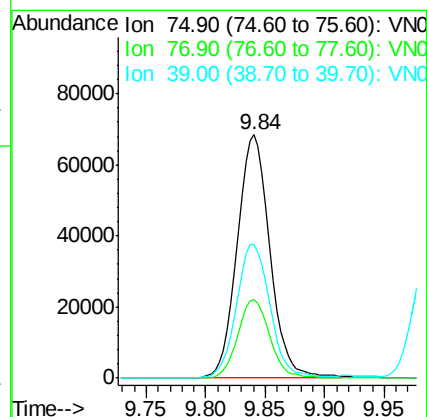
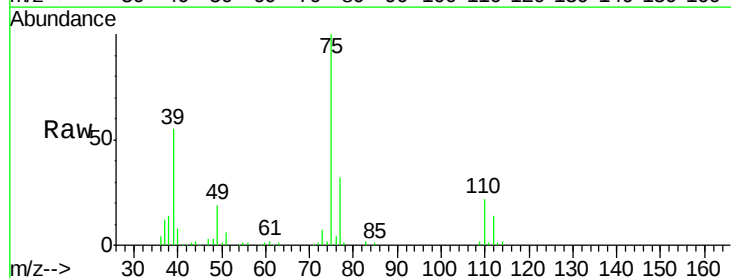
Tgt Ion: 75 Resp: 130950

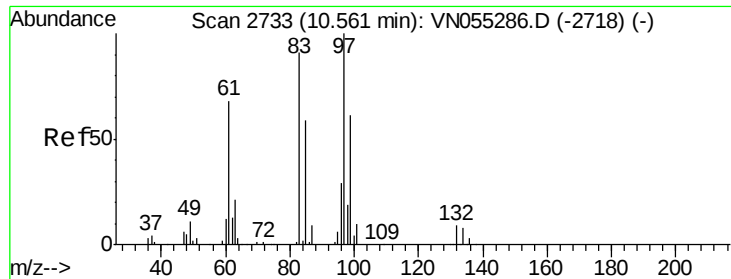
Ion Ratio Lower Upper

75 100

77 32.1 24.2 36.2

39 54.4 44.2 66.2

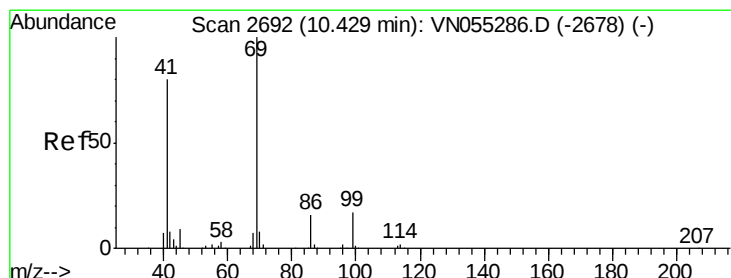
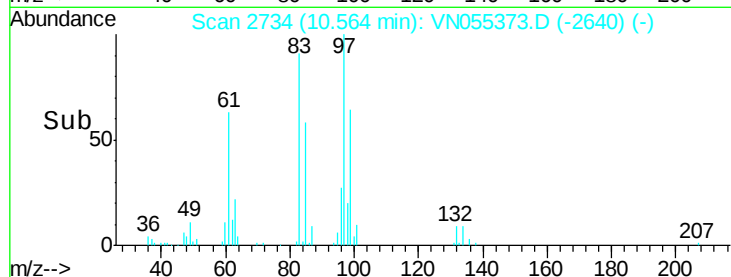
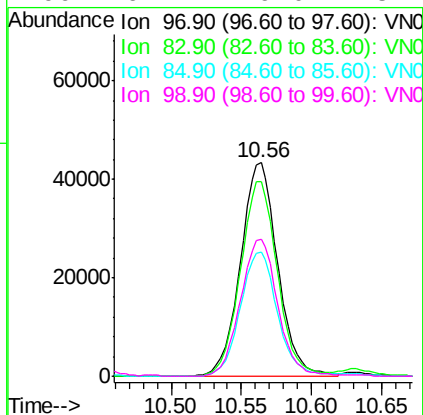
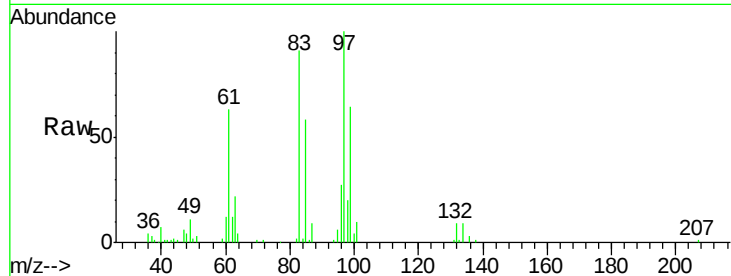




#55
 1,1,2-Trichloroethane
 Concen: 19.683 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

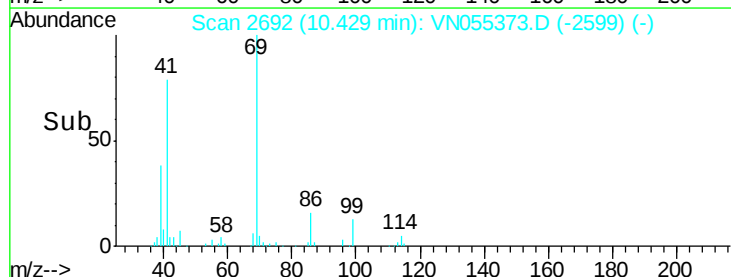
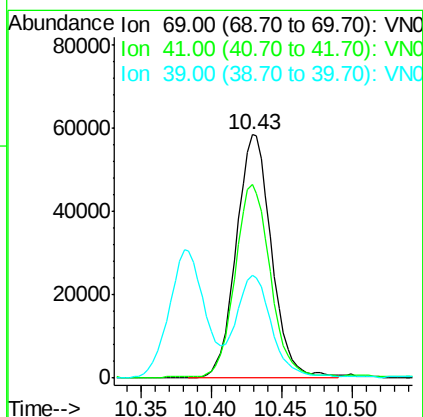
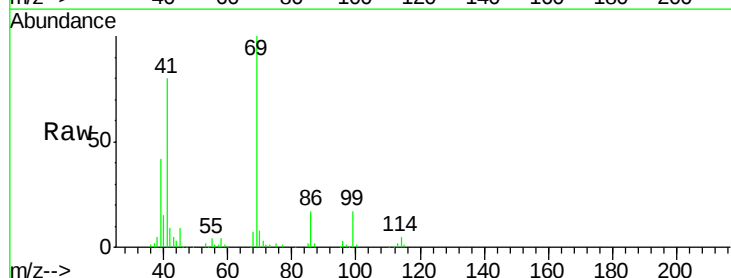
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

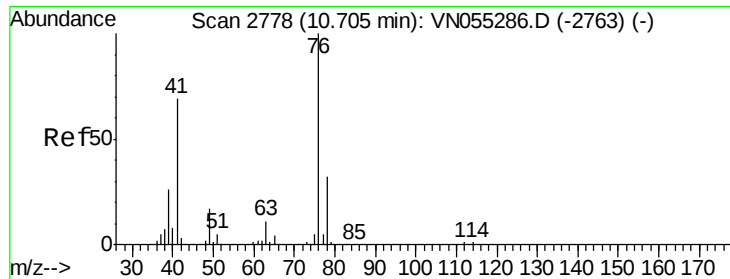
Tot Ion: 97 Resp: 80111
 Ion Ratio Lower Upper
 97 100
 83 90.8 72.8 109.2
 85 58.3 47.0 70.6
 99 64.2 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 20.487 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 69 Resp: 102628
 Ion Ratio Lower Upper
 69 100
 41 78.5 62.7 94.1
 39 42.3 32.0 48.0

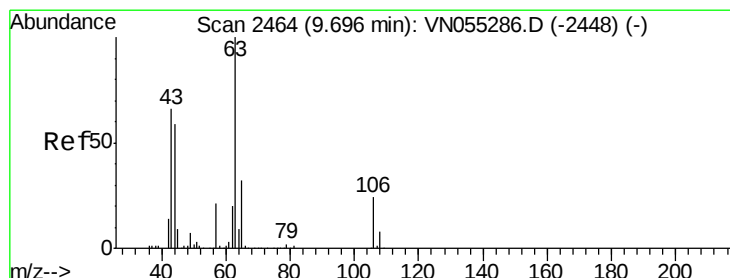
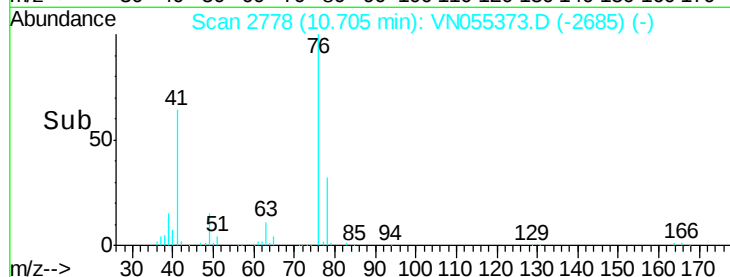
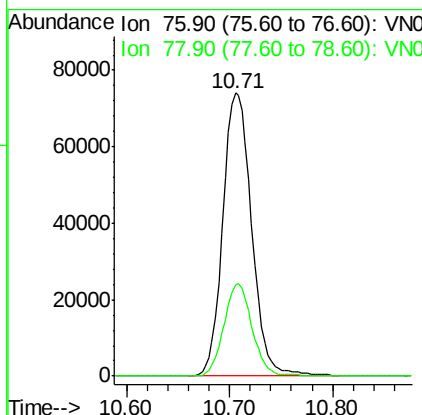
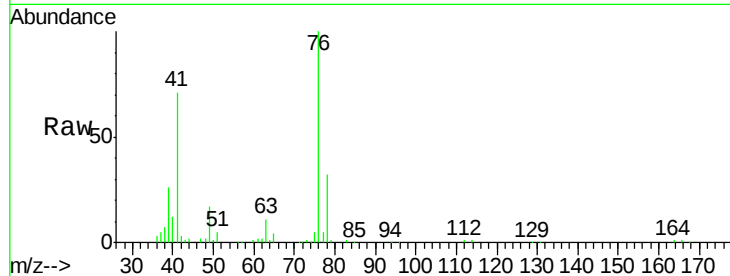




#57
 1,3-Dichloropropane
 Concen: 20.238 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

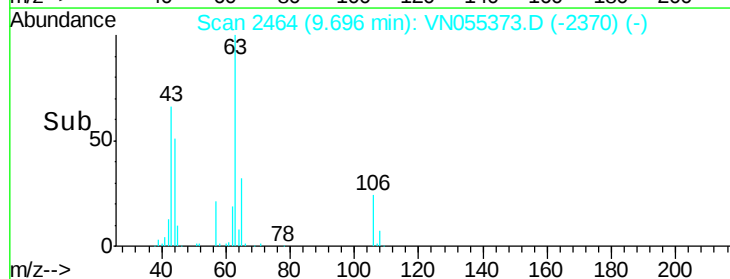
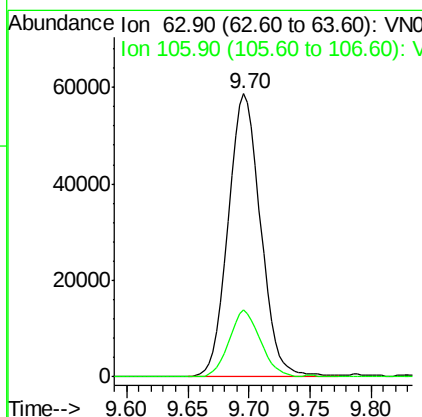
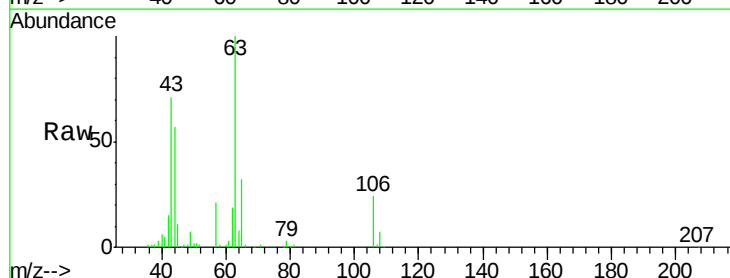
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

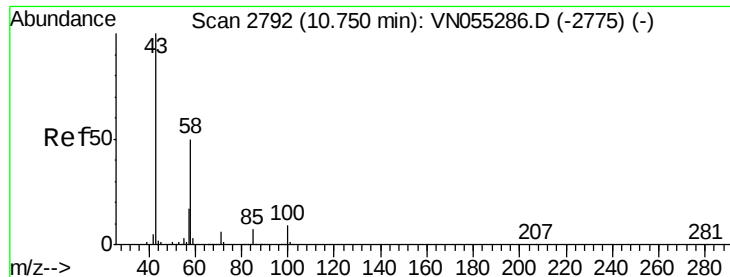
Tot Ion: 76 Resp: 144499
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.068 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 63 Resp: 109051
 Ion Ratio Lower Upper
 63 100
 106 22.7 19.0 28.4

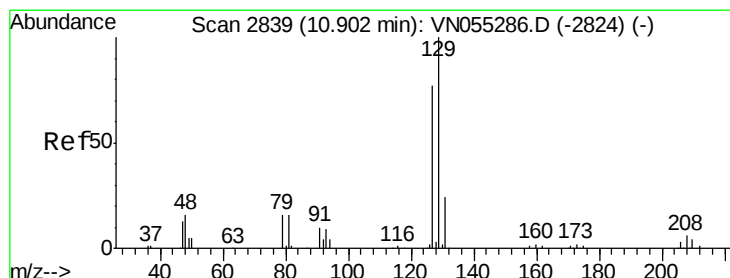
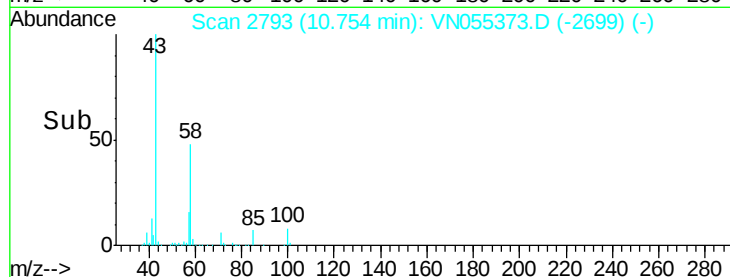
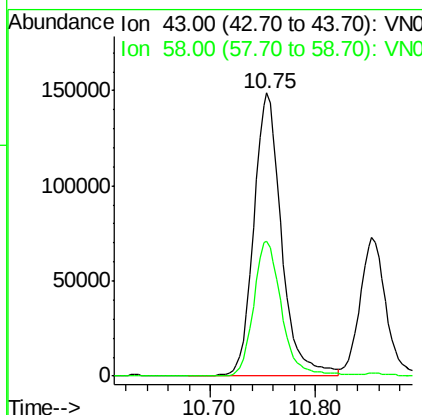
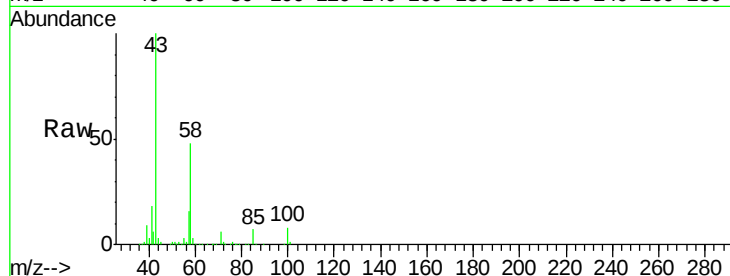




#59
2-Hexanone
Concen: 96.829 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

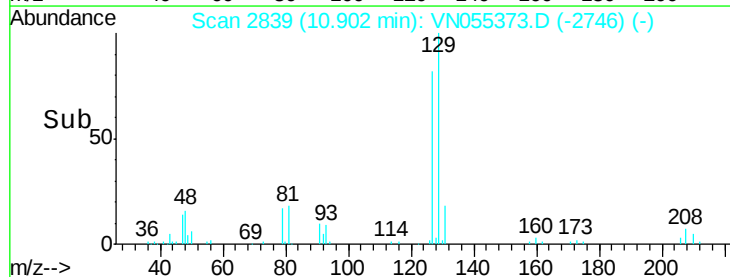
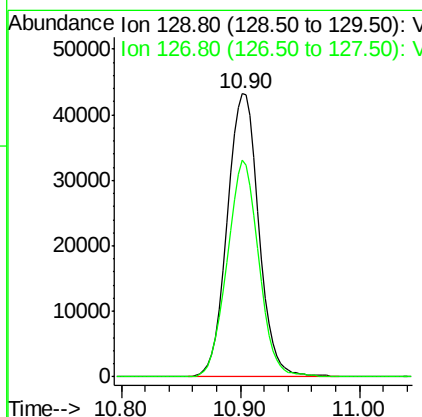
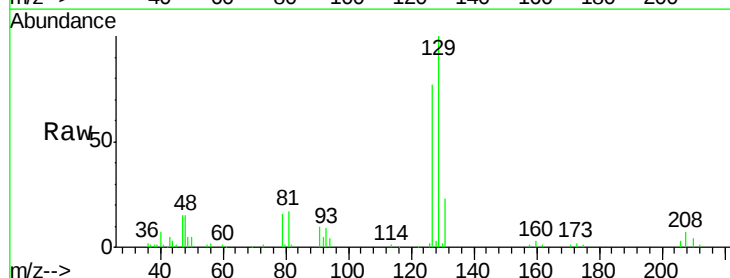
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

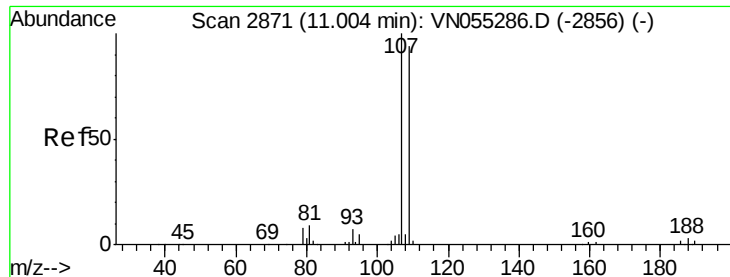
Tot Ion: 43 Resp: 272234
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6



#60
Dibromochloromethane
Concen: 19.103 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion:129 Resp: 79463
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.497 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

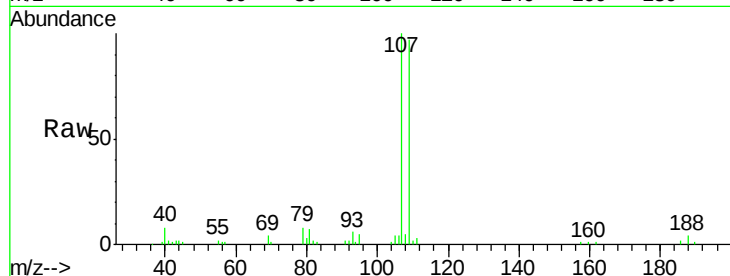
VN0502MBSD02

Tot Ion:107 Resp: 73343

Ion Ratio Lower Upper

107 100

109 95.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

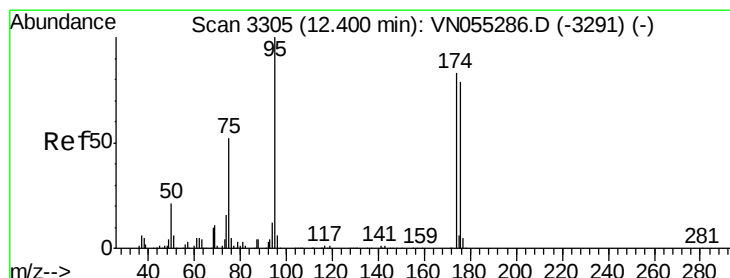
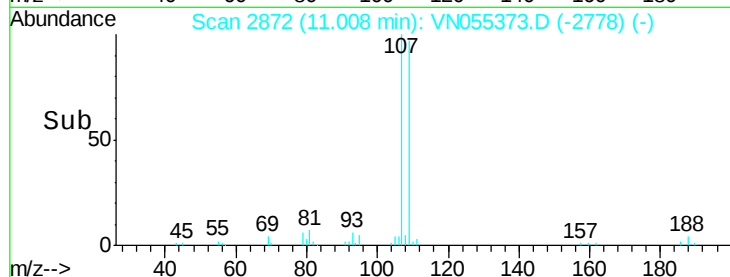
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.544 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

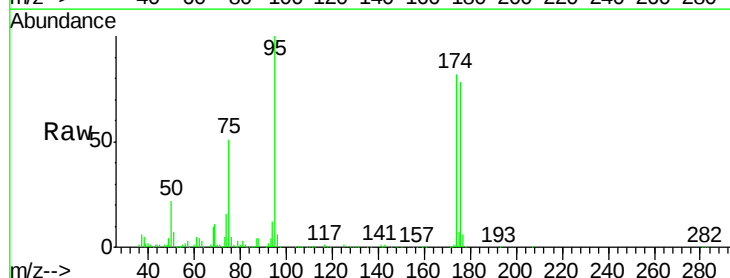
Tgt Ion: 95 Resp: 253280

Ion Ratio Lower Upper

95 100

174 83.2 0.0 166.6

176 80.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

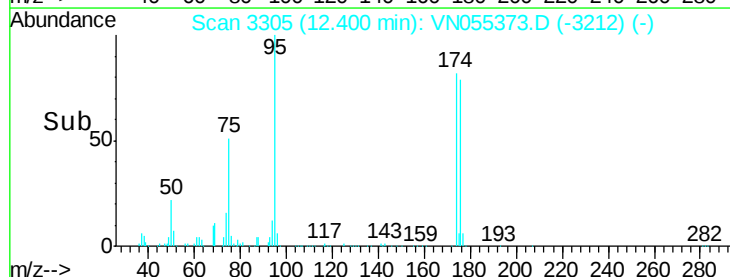
150000

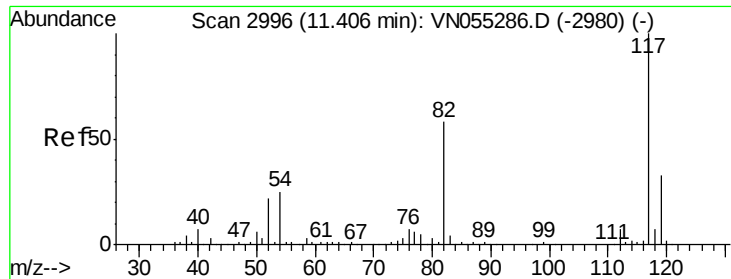
100000

50000

0

Time--> 12.35 12.40 12.45

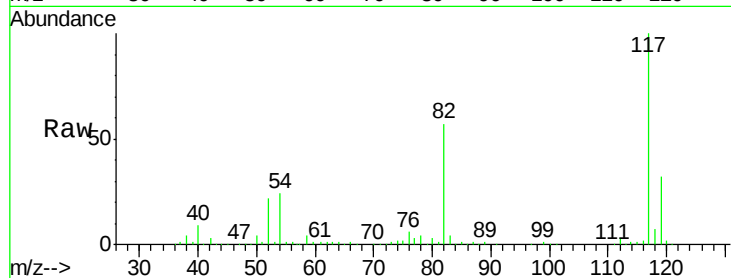




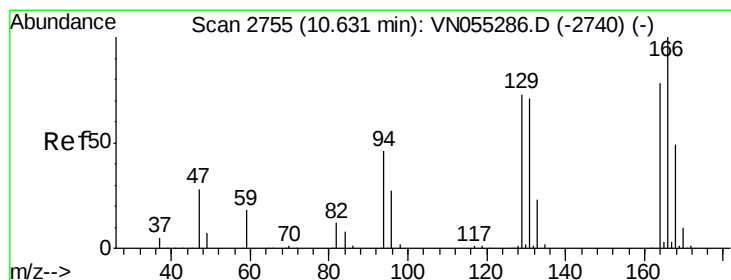
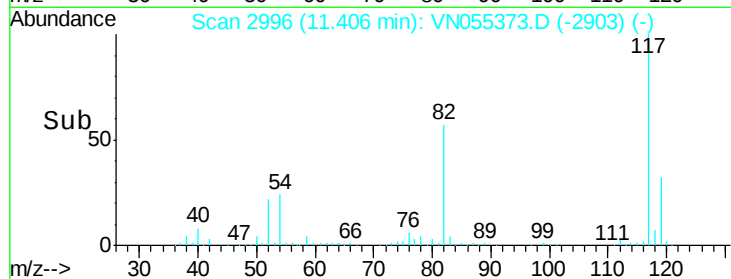
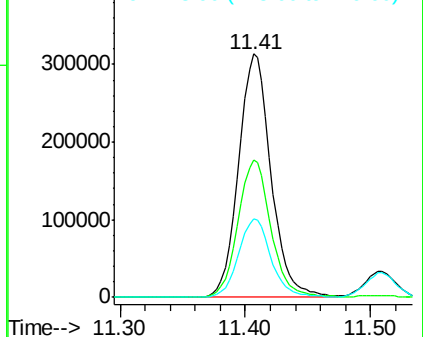
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

Tot Ion:117 Resp: 563320
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.2 26.6 40.0

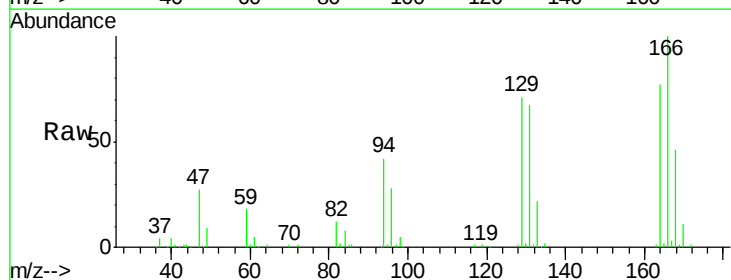


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

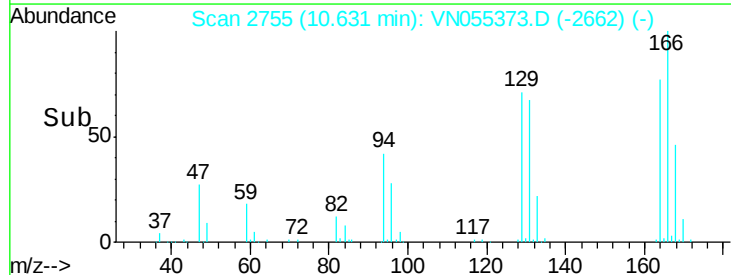
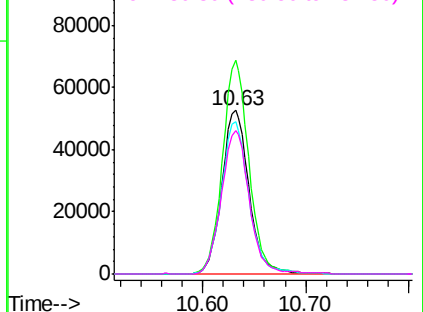


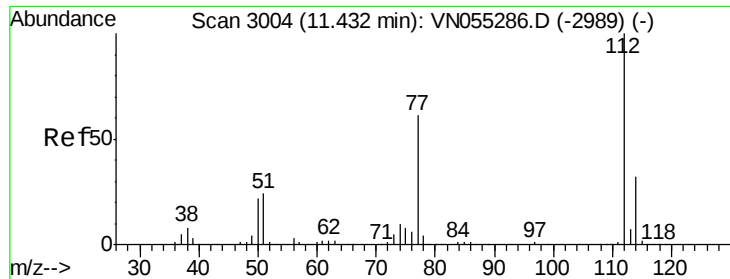
#64
Tetrachloroethene
Concen: 20.972 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion:164 Resp: 96610
Ion Ratio Lower Upper
164 100
166 130.6 102.3 153.5
129 93.0 75.0 112.6
131 88.1 72.7 109.1



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: 19.756 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

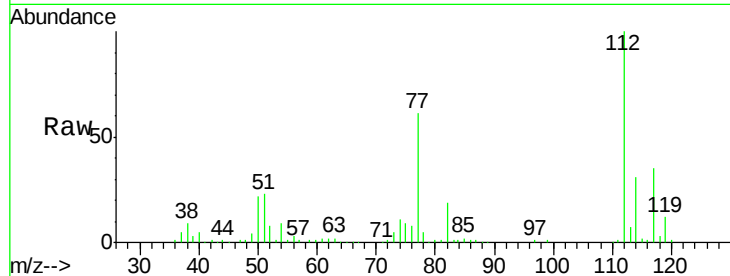
VN0502MBSD02

Tot Ion:112 Resp: 217582

Ion Ratio Lower Upper

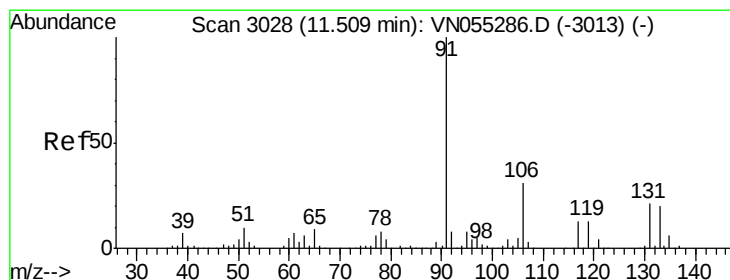
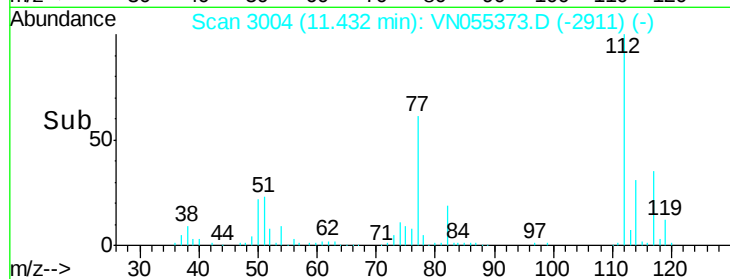
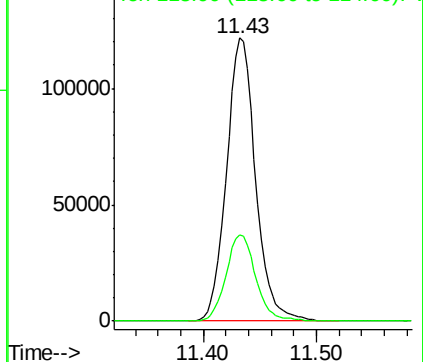
112 100

114 30.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

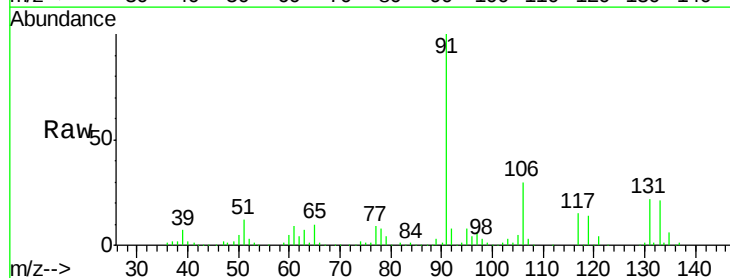
Tgt Ion:131 Resp: 84072

Ion Ratio Lower Upper

131 100

133 94.2 47.5 142.6

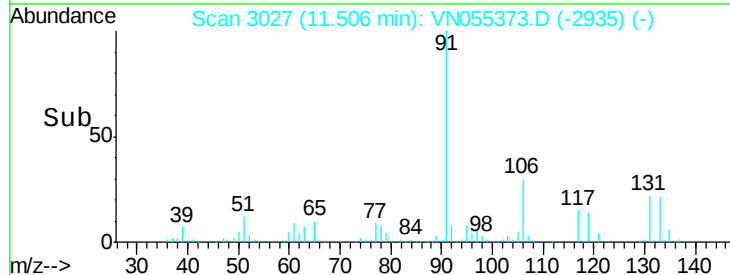
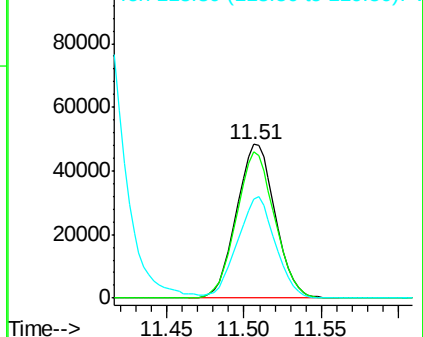
119 64.7 32.7 98.1

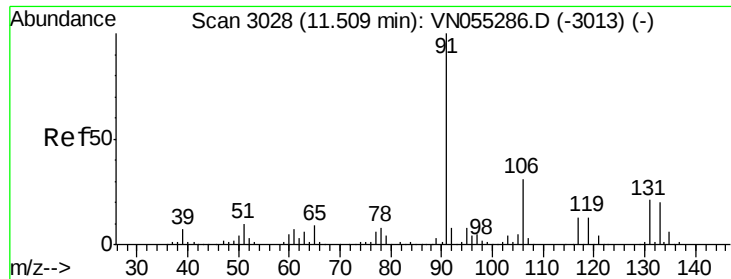


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

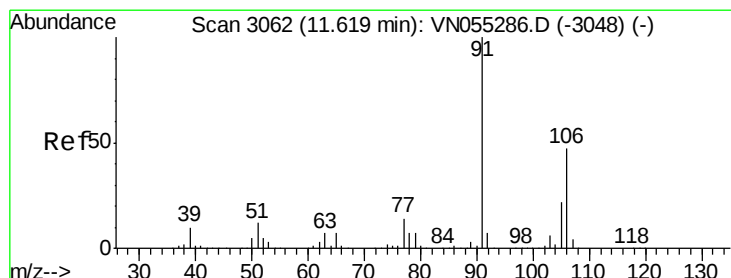
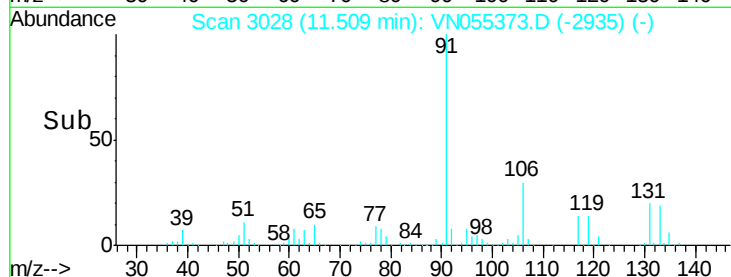
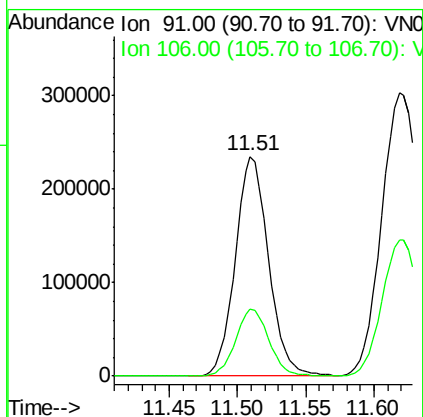
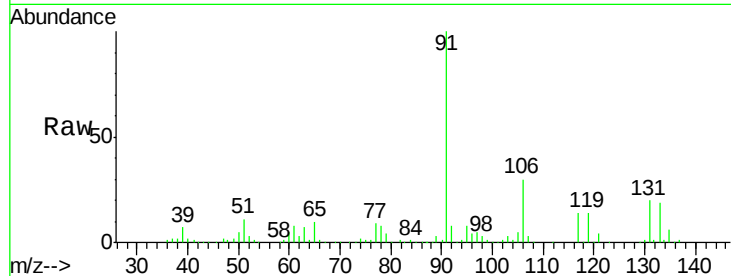




#67
Ethyl Benzene
Concen: 20.022 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

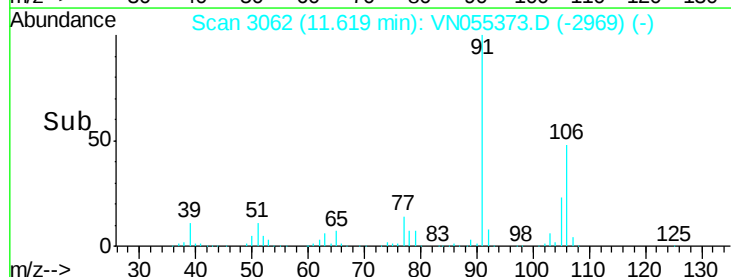
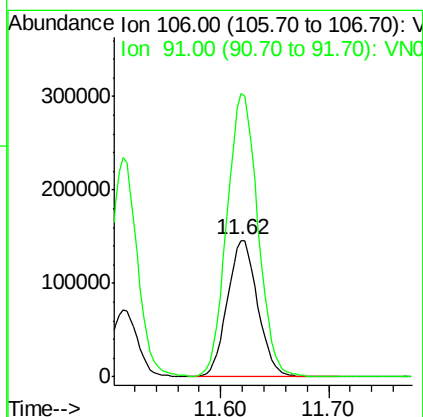
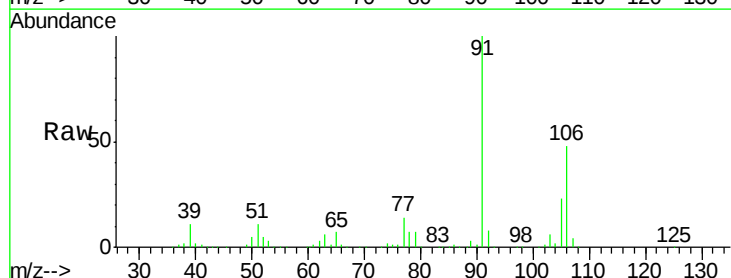
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

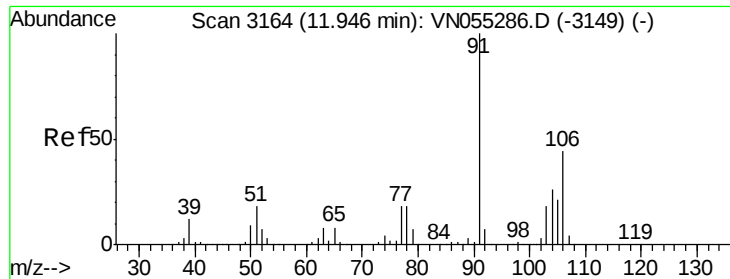
Tot Ion: 91 Resp: 398206
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 40.392 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 106 Resp: 286746
Ion Ratio Lower Upper
106 100
91 210.6 169.5 254.3

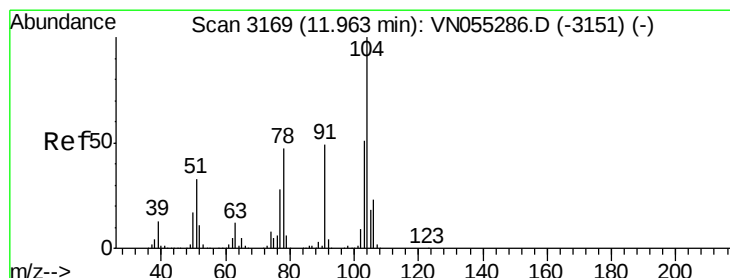
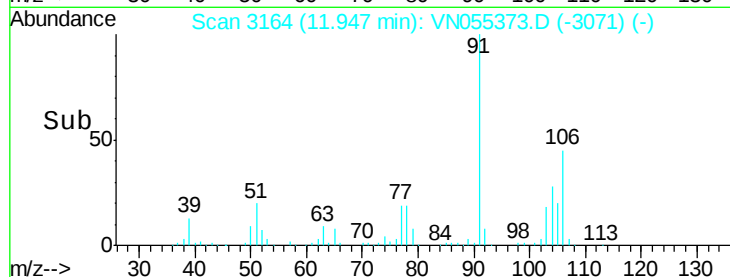
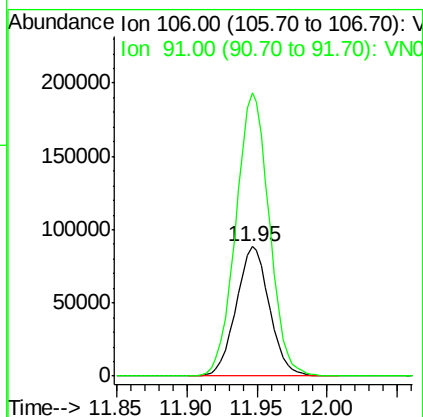
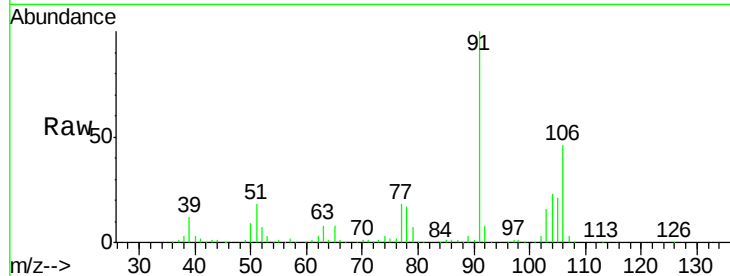




#69
o-Xylene
Concen: 20.829 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

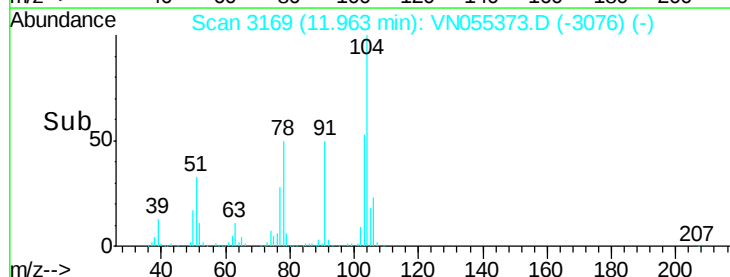
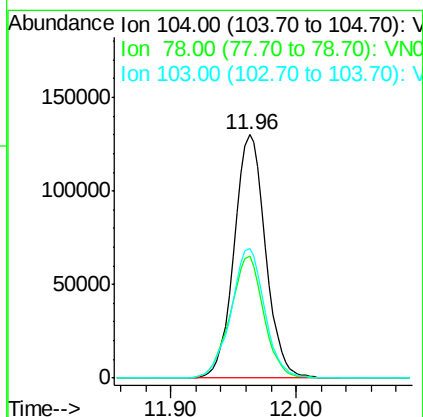
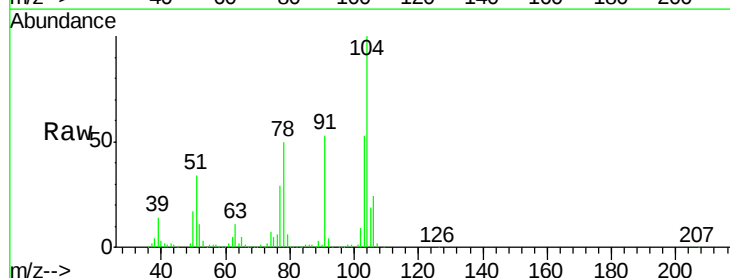
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

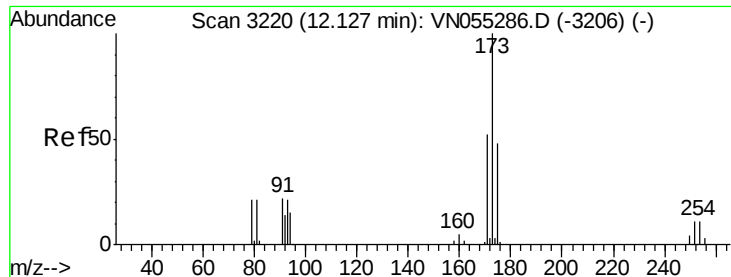
Tot Ion:106 Resp: 146560
Ion Ratio Lower Upper
106 100
91 219.0 111.5 334.5



#70
Styrene
Concen: 20.925 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion:104 Resp: 226063
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 56.8 44.6 67.0

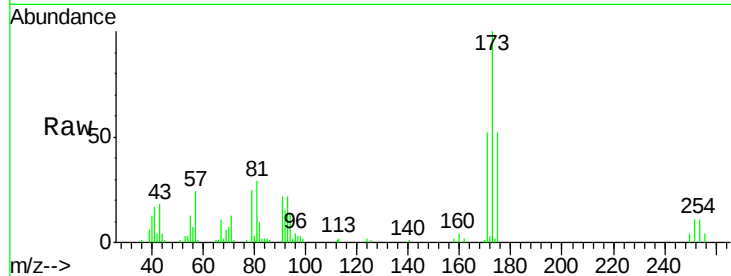




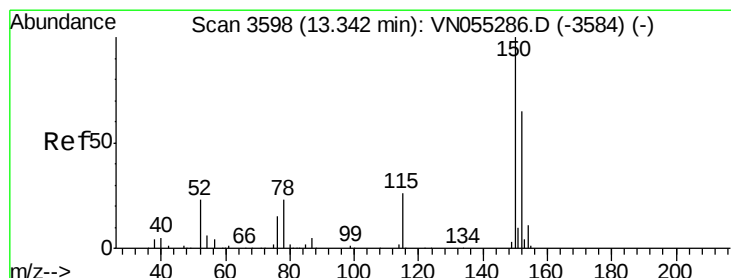
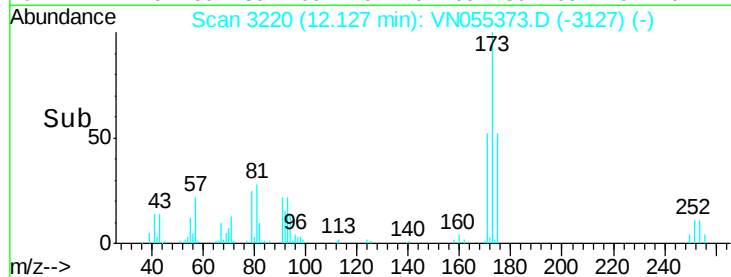
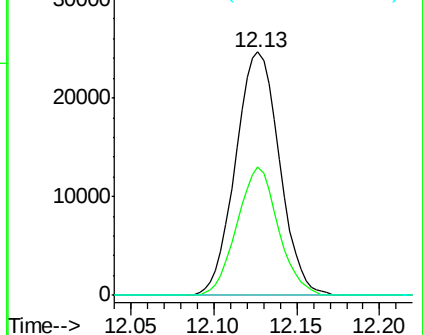
#71
Bromoform
Concen: 18.971 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

Tot Ion:173 Resp: 45397
Ion Ratio Lower Upper
173 100
175 49.5 23.6 71.0
254 0.0 0.0 0.0

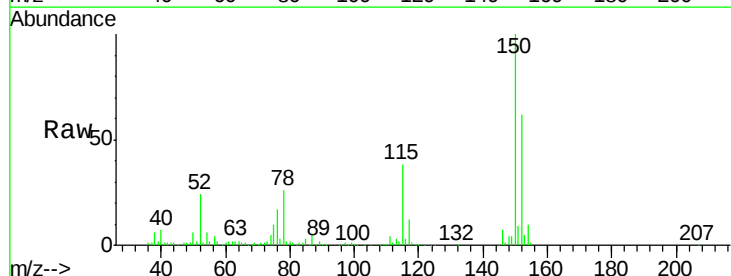


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

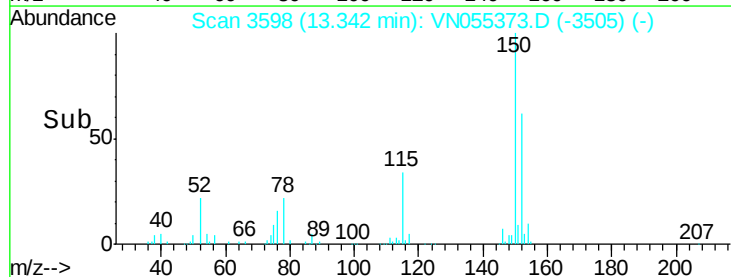
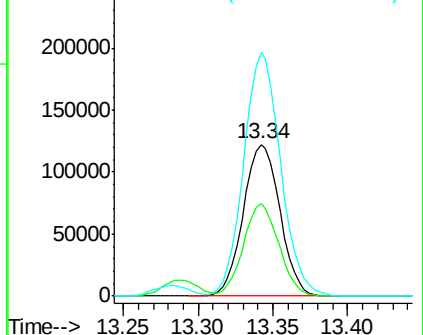


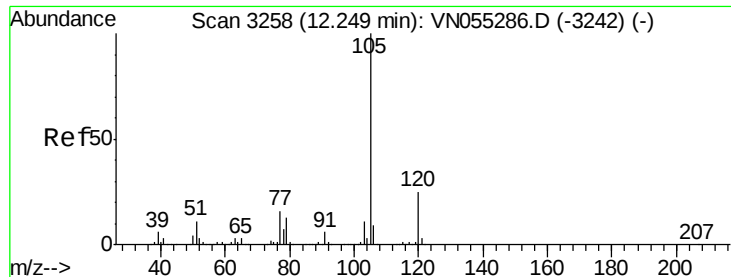
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion:152 Resp: 208838
Ion Ratio Lower Upper
152 100
115 59.1 29.0 87.0
150 161.7 0.0 345.6



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





#73

Isopropylbenzene

Concen: 21.752 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

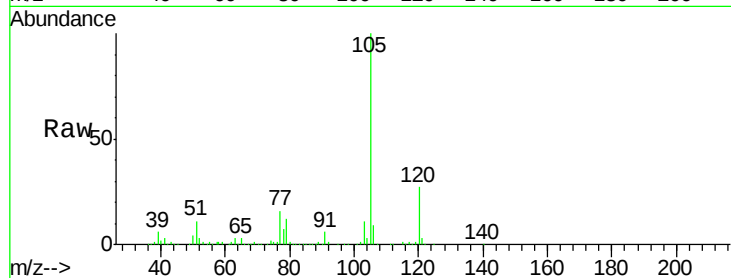
VN0502MBSD02

Tot Ion:105 Resp: 391140

Ion Ratio Lower Upper

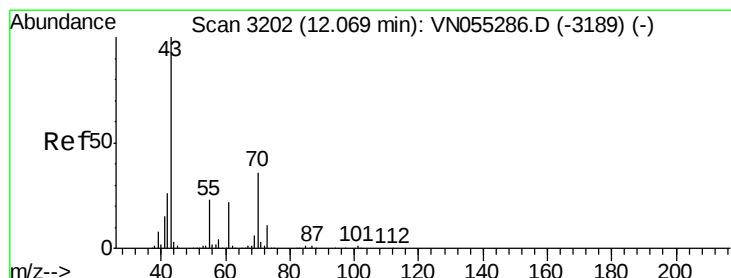
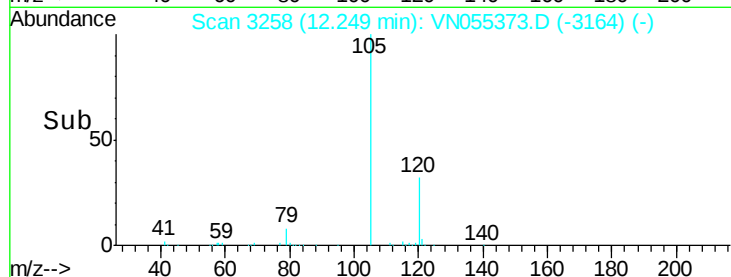
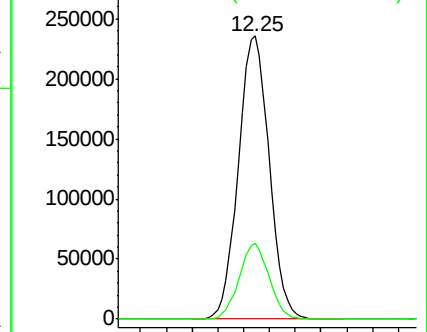
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.132 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Tgt Ion: 43 Resp: 123979

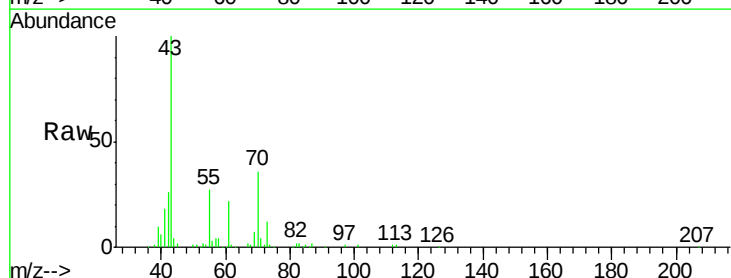
Ion Ratio Lower Upper

43 100

70 32.3 27.9 41.9

55 21.4 18.2 27.2

61 17.5 16.9 25.3

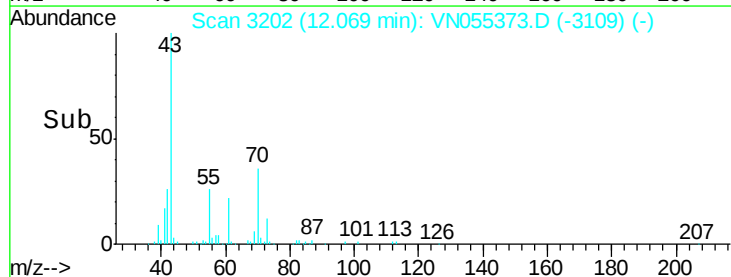
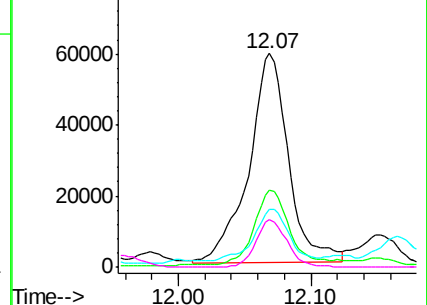


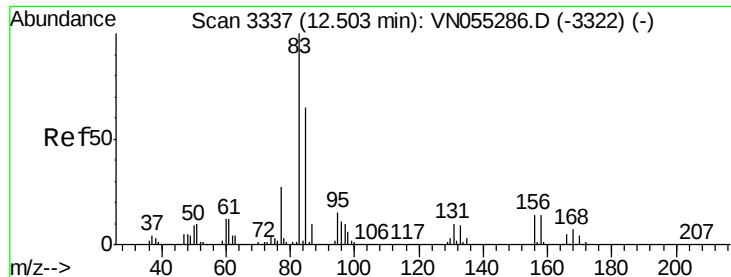
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.379 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

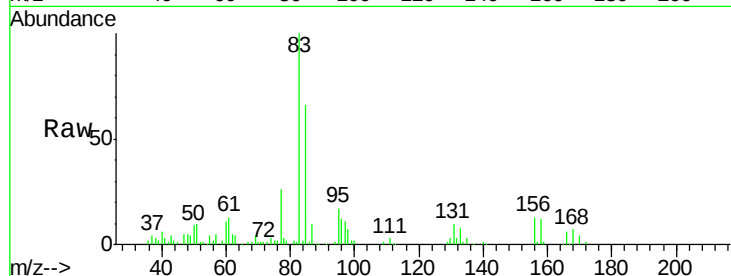
Tot Ion: 83 Resp: 92119

Ion Ratio Lower Upper

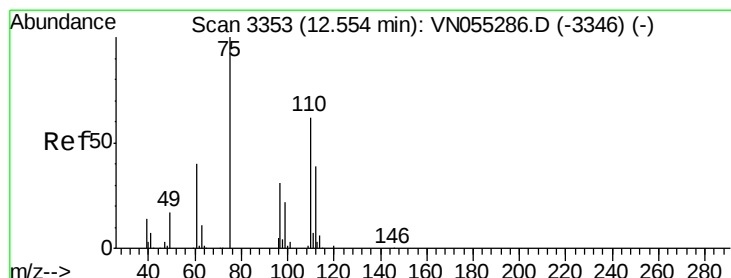
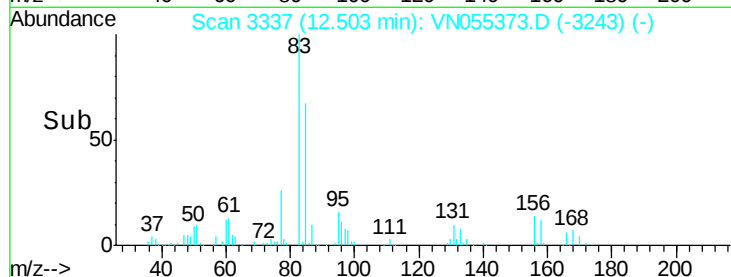
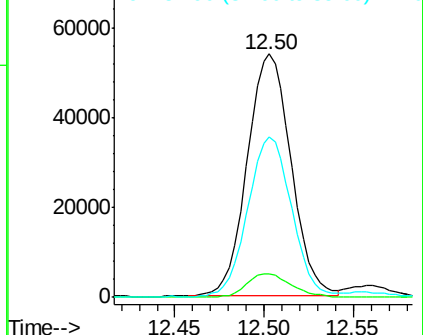
83 100

131 10.1 5.1 15.2

85 66.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 26.832 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055373.D

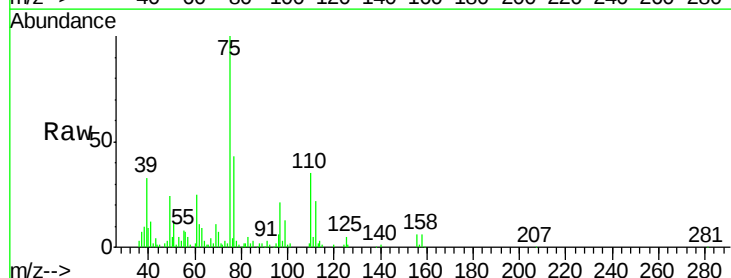
Acq: 3 May 2019 2:47

Tgt Ion: 75 Resp: 108683

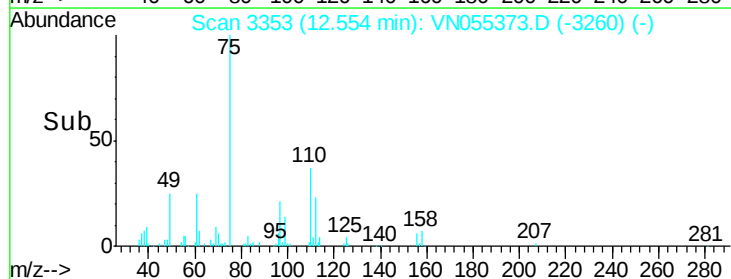
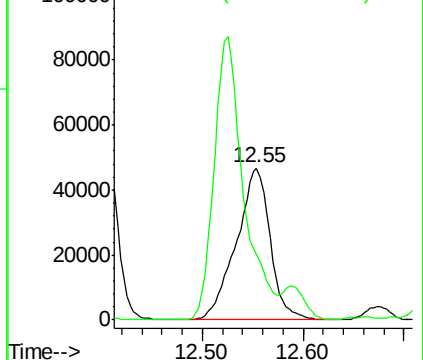
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.985 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

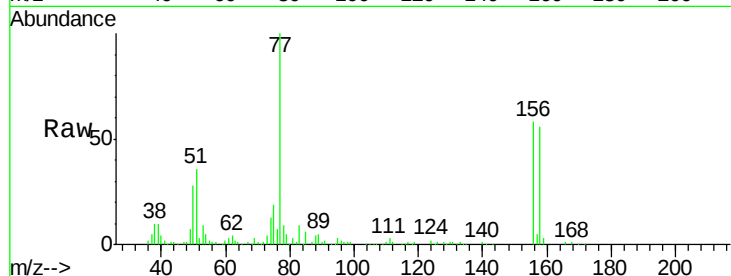
Tot Ion:156 Resp: 88701

Ion Ratio Lower Upper

156 100

77 199.0 99.6 298.8

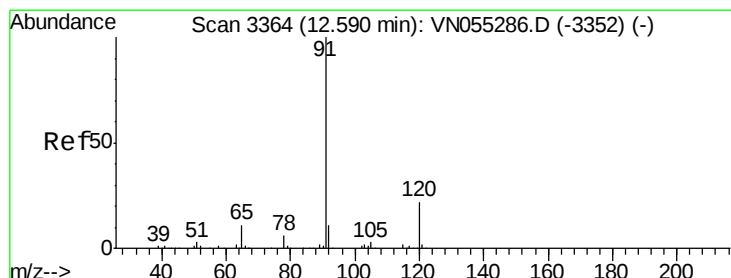
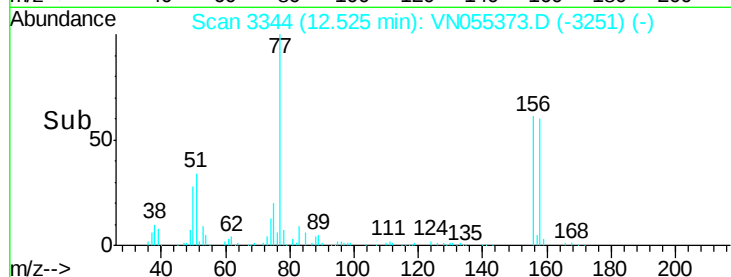
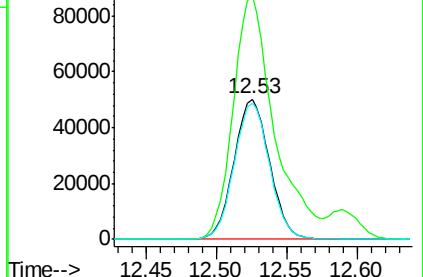
158 96.5 49.3 147.8



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: 19.488 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055373.D

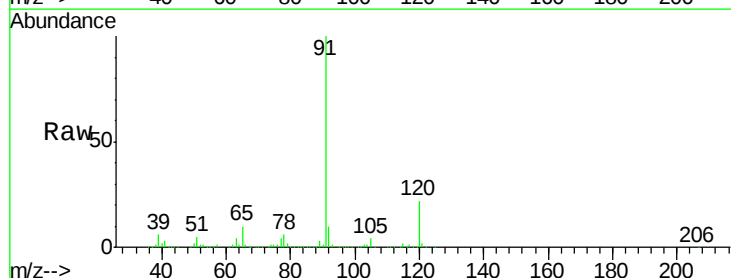
Acq: 3 May 2019 2:47

Tgt Ion: 91 Resp: 418060

Ion Ratio Lower Upper

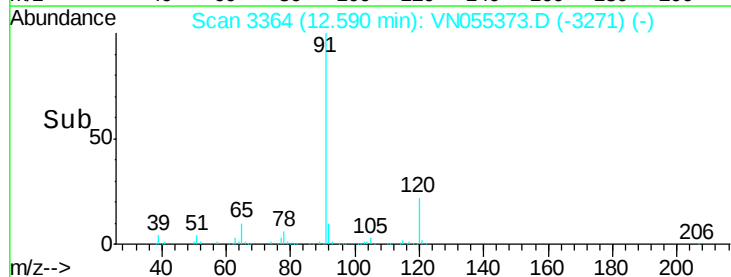
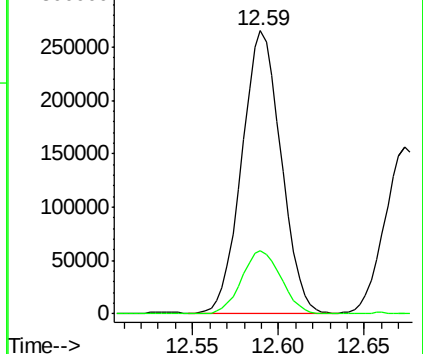
91 100

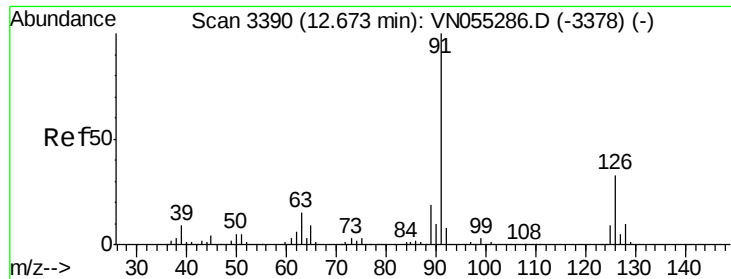
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

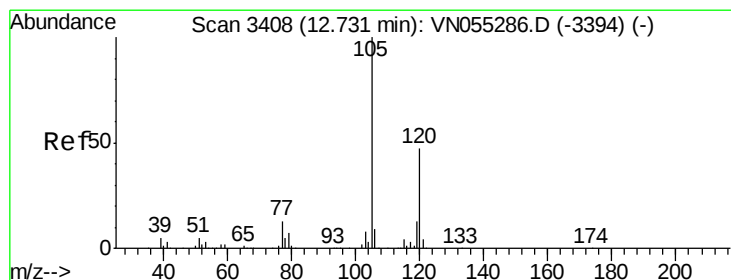
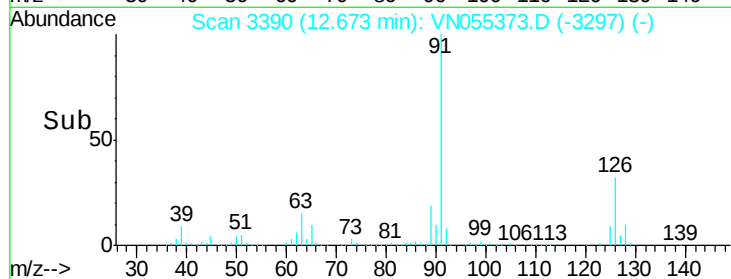
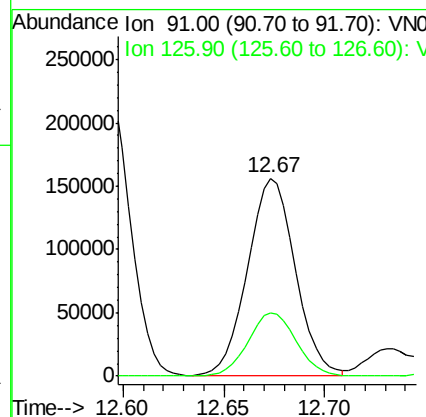
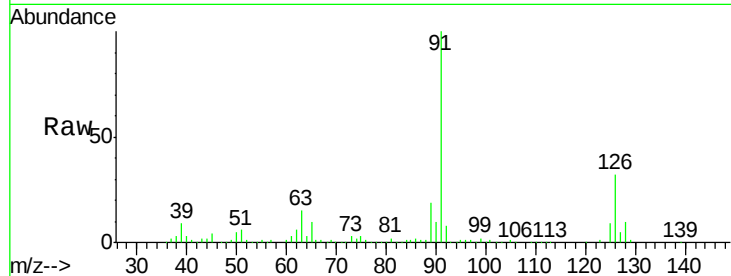




#79
 2-Chlorotoluene
 Concen: 21.216 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

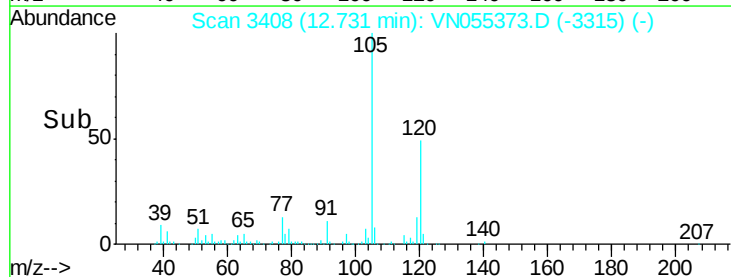
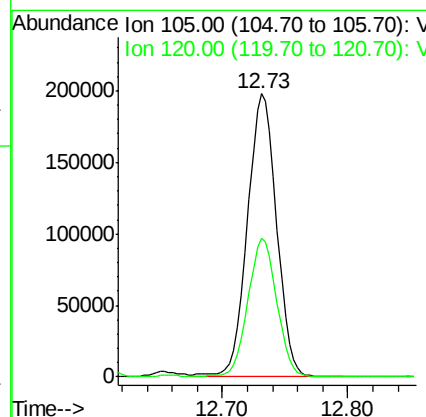
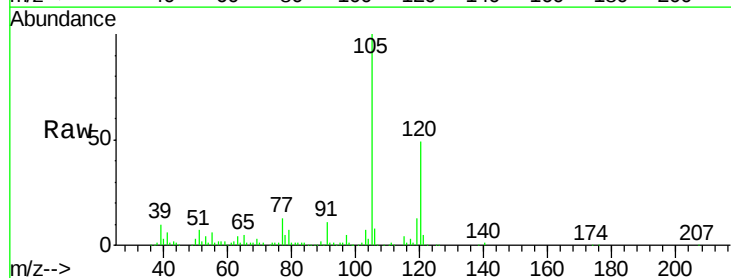
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

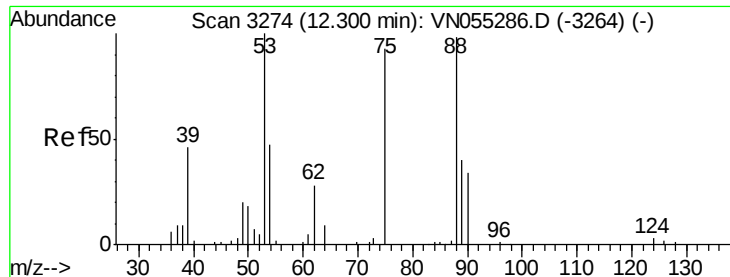
Tot Ion: 91 Resp: 257473
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.589 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion: 105 Resp: 320713
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.700 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampled :

VN0502MBSD02

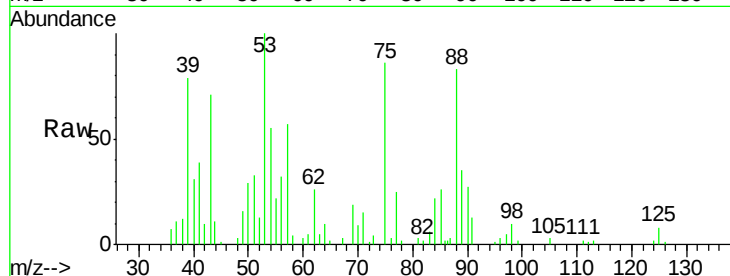
Tot Ion: 75 Resp: 18404

Ion Ratio Lower Upper

75 100

53 121.8 86.3 129.5

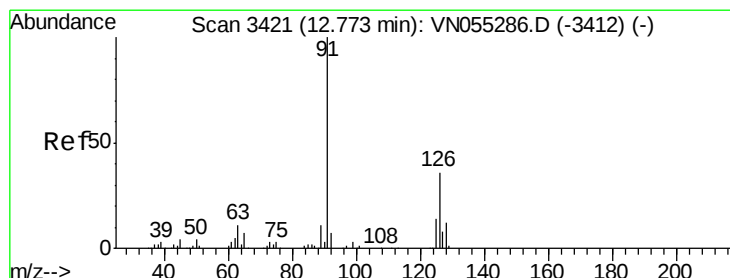
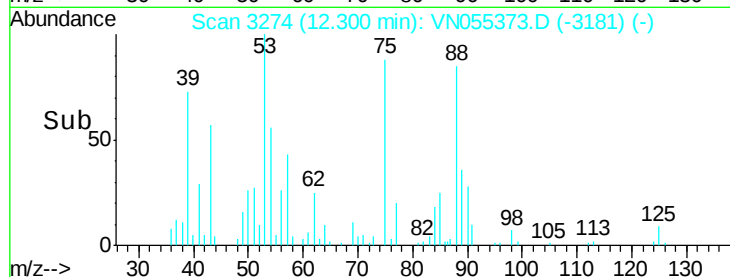
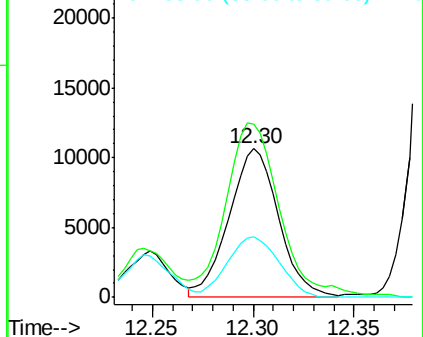
89 42.6 34.6 51.8



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: 19.170 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055373.D

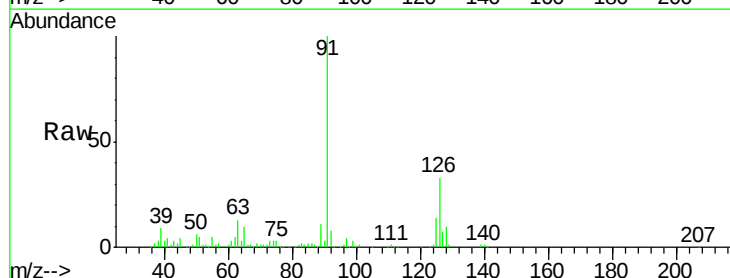
Acq: 3 May 2019 2:47

Tgt Ion: 91 Resp: 239109

Ion Ratio Lower Upper

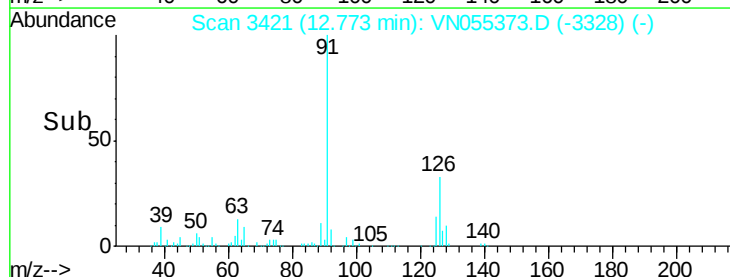
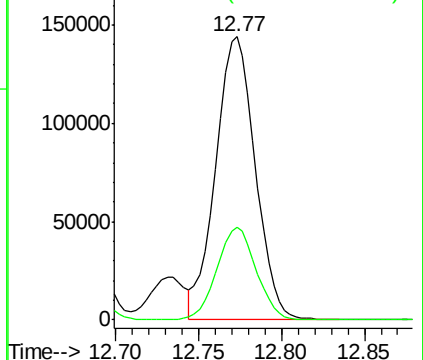
91 100

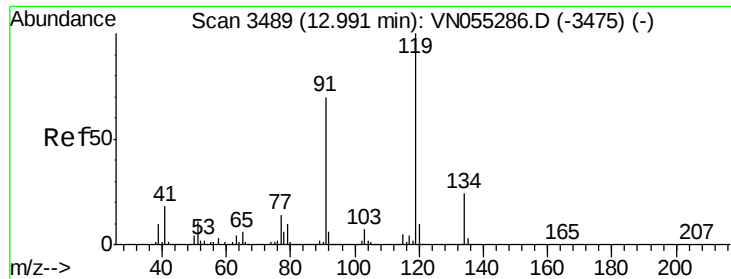
126 32.5 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

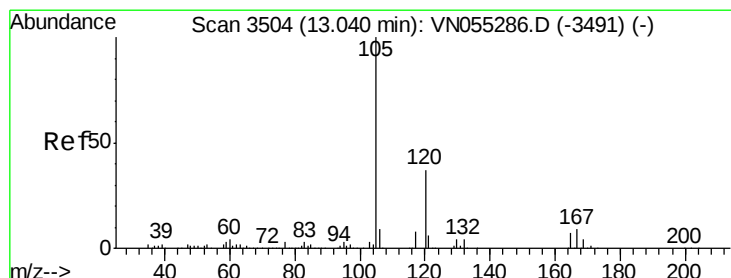
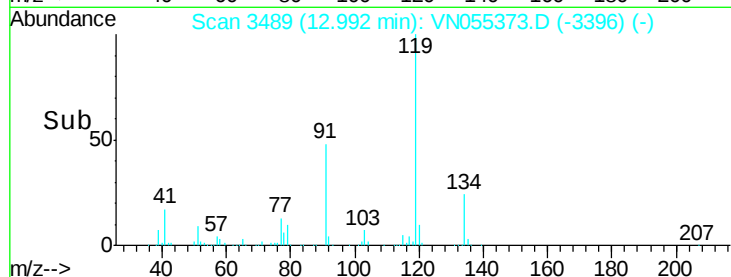
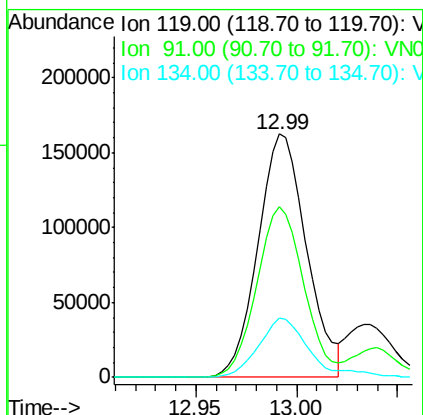
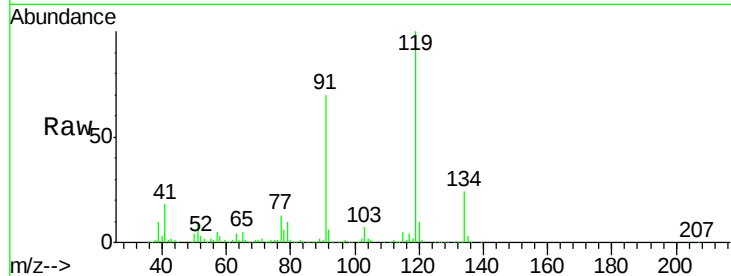




#83
 tert-Butylbenzene
 Concen: 21.900 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

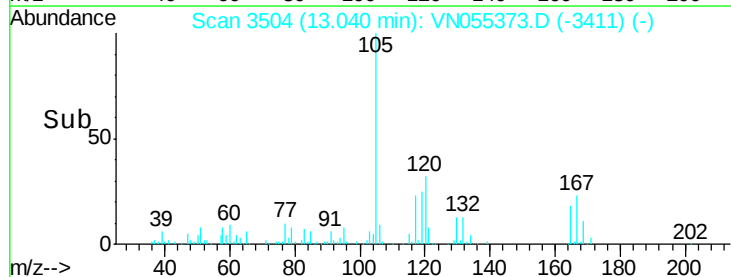
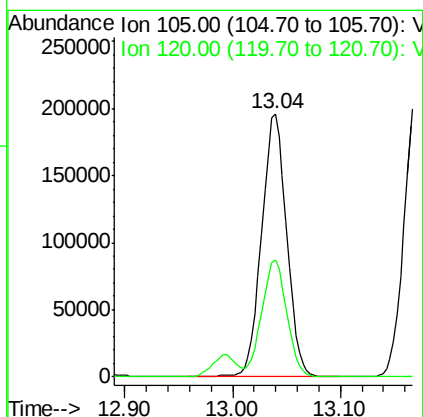
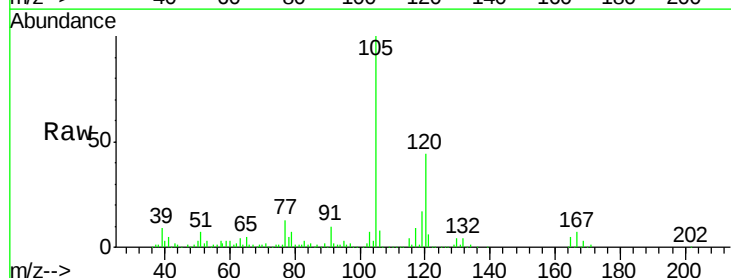
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

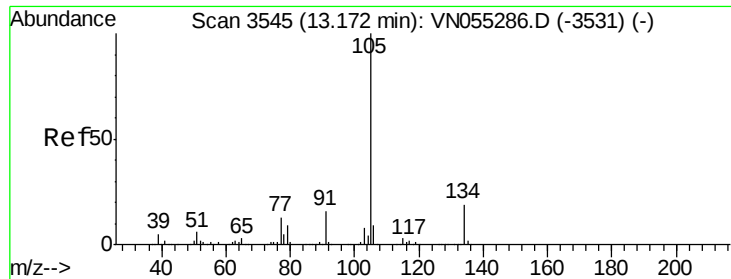
Tot Ion:119 Resp: 272748
 Ion Ratio Lower Upper
 119 100
 91 67.7 34.3 102.9
 134 25.4 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.596 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion:105 Resp: 316221
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.277 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleID :

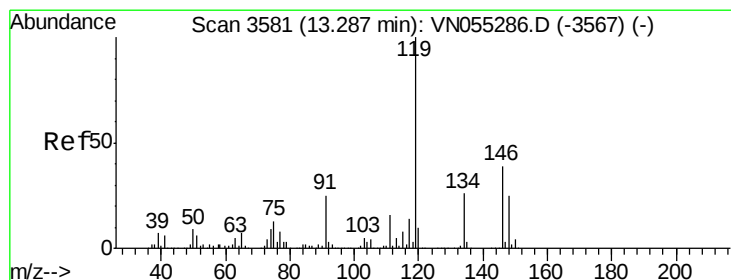
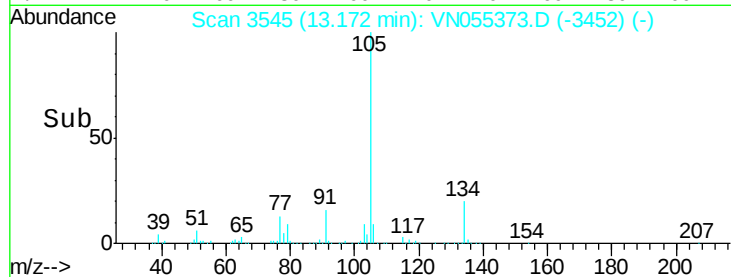
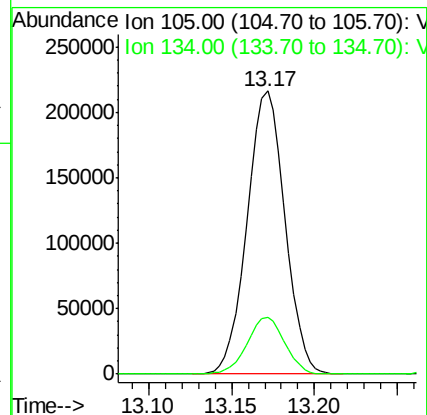
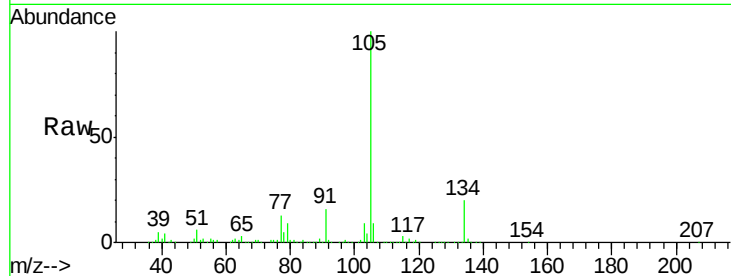
VN0502MBSD02

Tot Ion:105 Resp: 343034

Ion Ratio Lower Upper

105 100

134 20.0 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.751 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

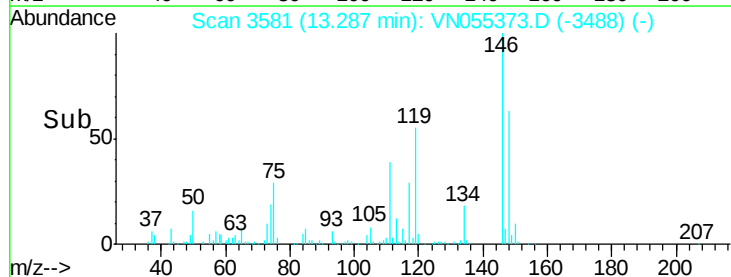
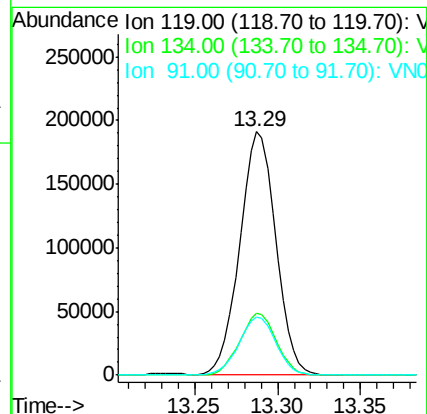
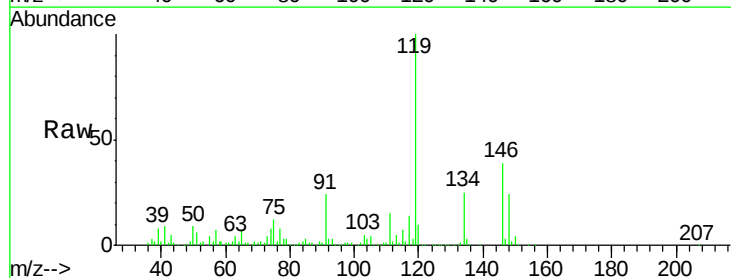
Tgt Ion:119 Resp: 288881

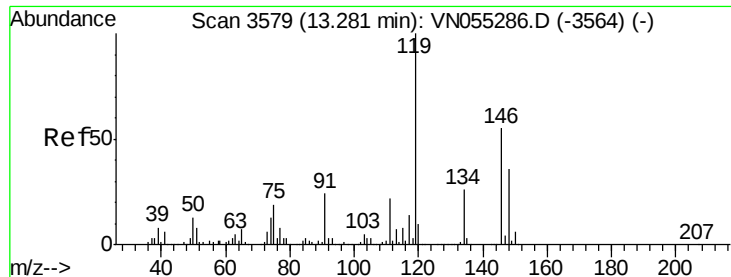
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.1 12.2 36.6

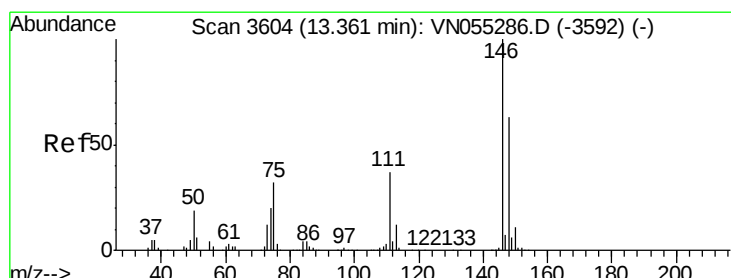
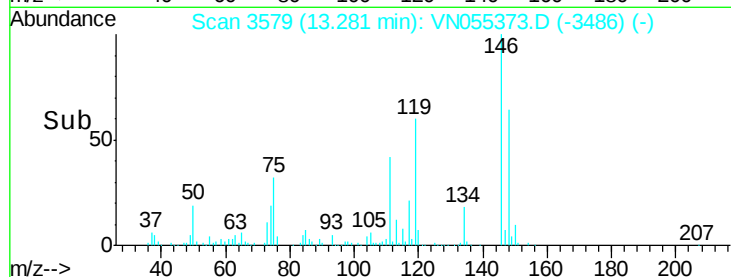
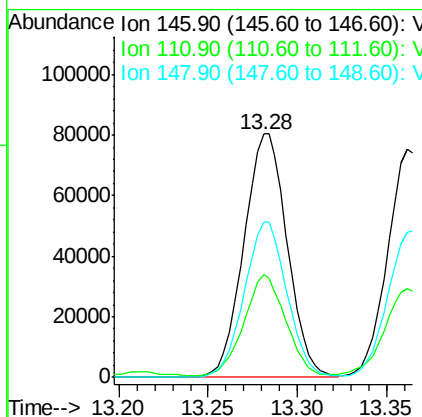
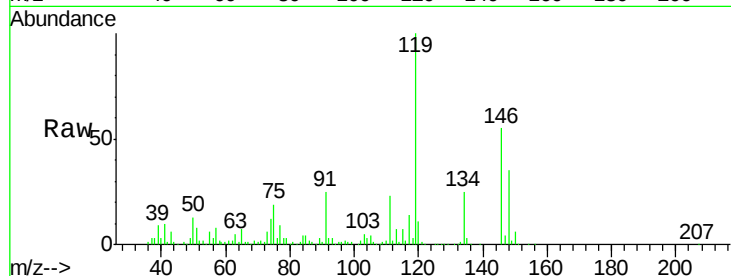




#87
 1,3-Dichlorobenzene
 Concen: 19.562 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

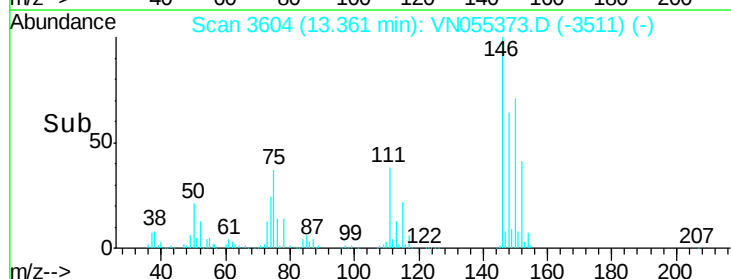
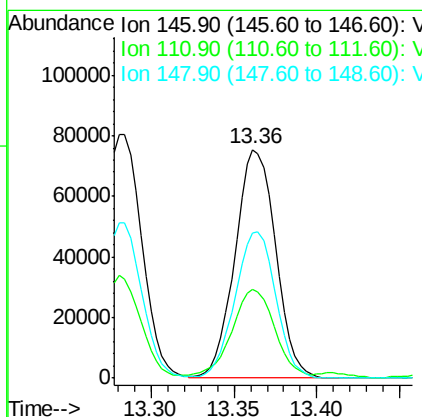
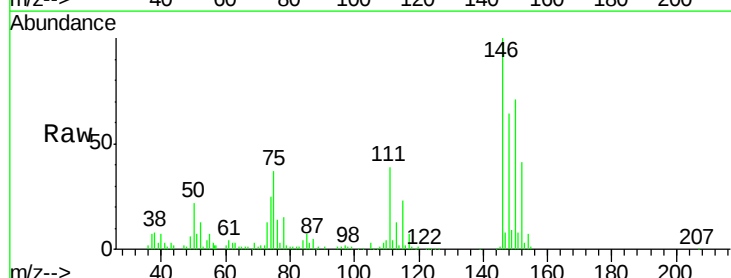
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0502MBSD02

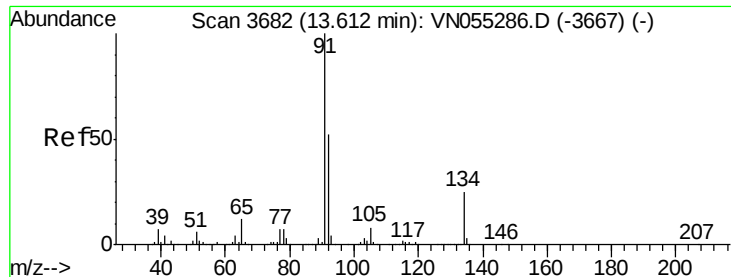
Tot Ion:146 Resp: 136707
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 62.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.634 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion:146 Resp: 129213
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.5 58.5
 148 64.2 32.5 97.4

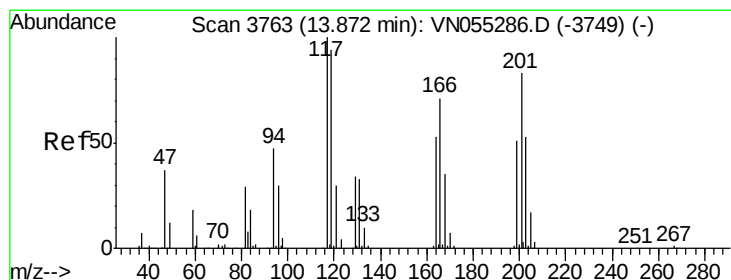
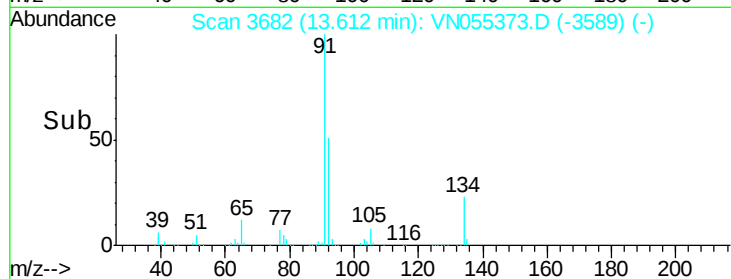
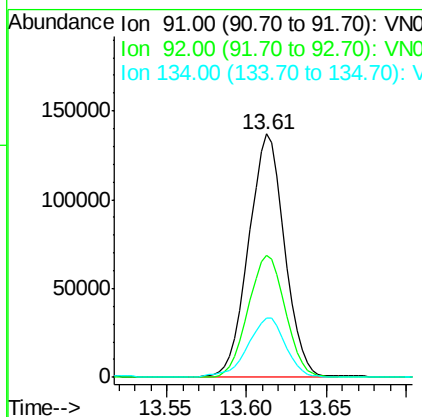
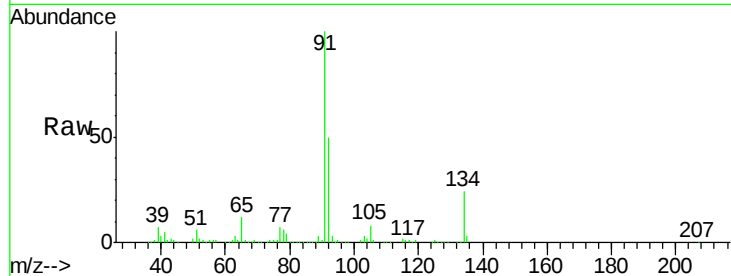




#89
n-Butylbenzene
Concen: 20.172 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

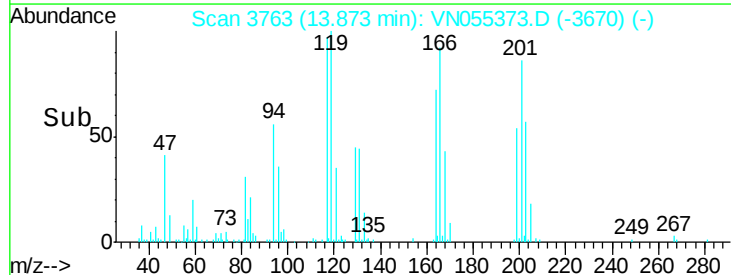
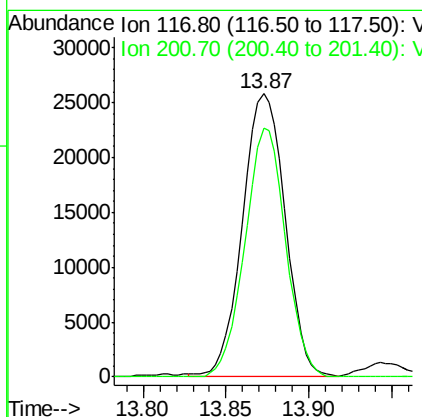
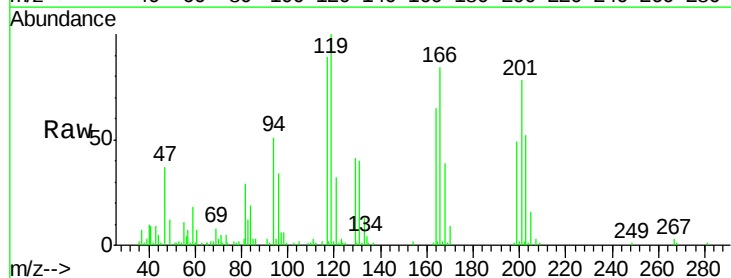
Instrument :
MSVOA_N
ClientSampleId :
VN0502MBSD02

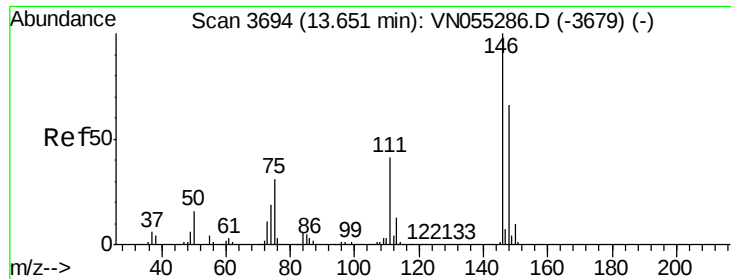
Tot Ion: 91 Resp: 209653
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.3
134 25.2 12.4 37.4



#90
Hexachloroethane
Concen: 19.009 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055373.D
Acq: 3 May 2019 2:47

Tgt Ion: 117 Resp: 46283
Ion Ratio Lower Upper
117 100
201 83.2 41.9 125.8





#91

1,2-Dichlorobenzene

Concen: 20.168 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

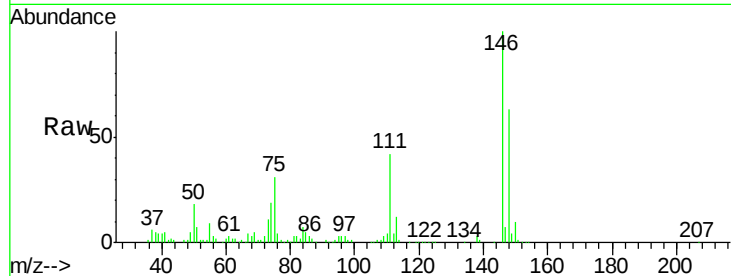
Tot Ion:146 Resp: 139688

Ion Ratio Lower Upper

146 100

111 41.8 20.3 61.0

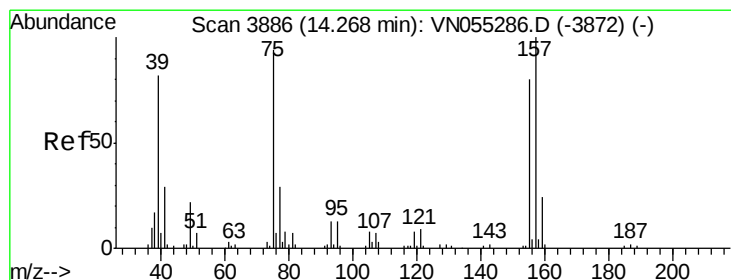
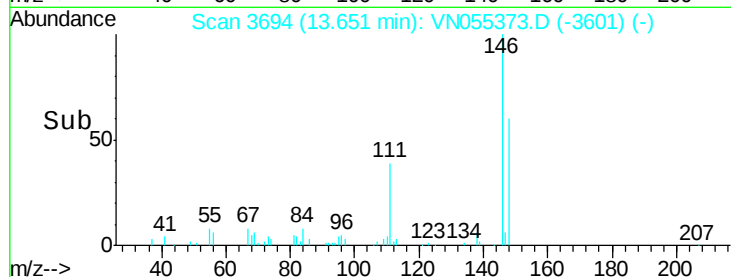
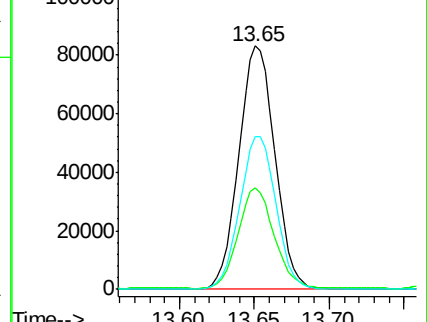
148 62.7 32.4 97.2



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: 21.719 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

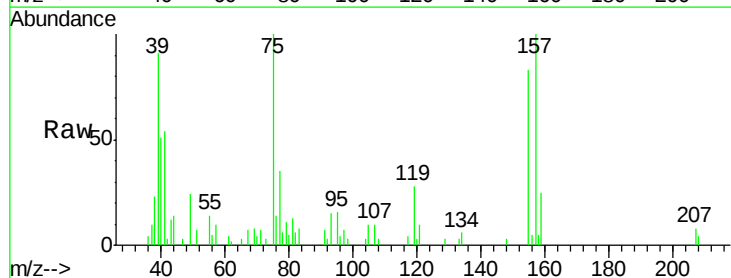
Tgt Ion: 75 Resp: 11933

Ion Ratio Lower Upper

75 100

155 84.2 41.5 124.6

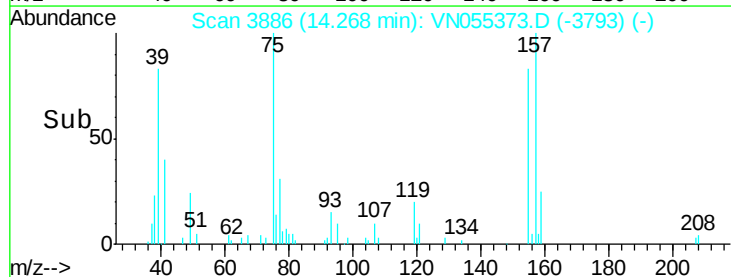
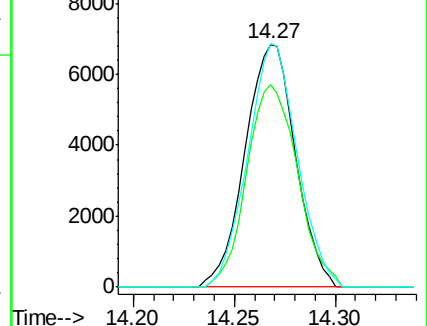
157 98.4 54.0 162.2



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

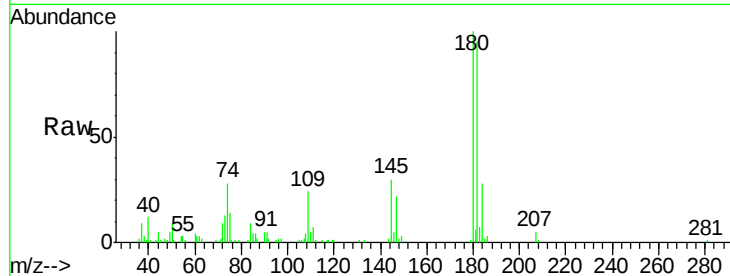




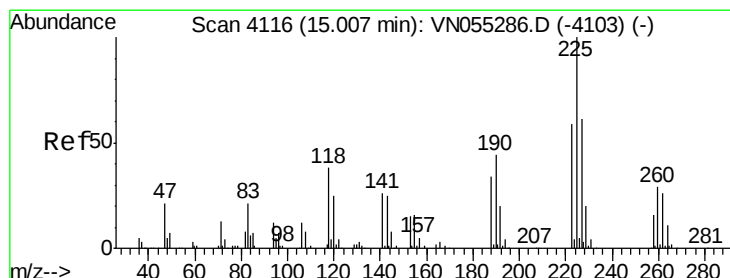
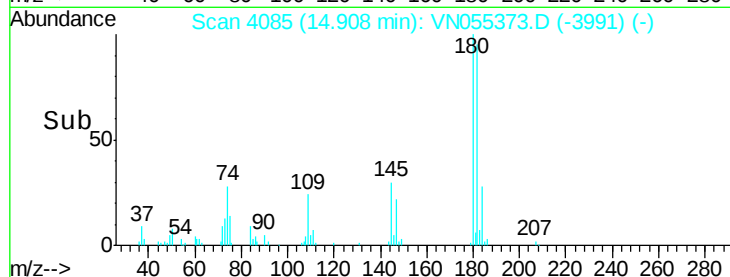
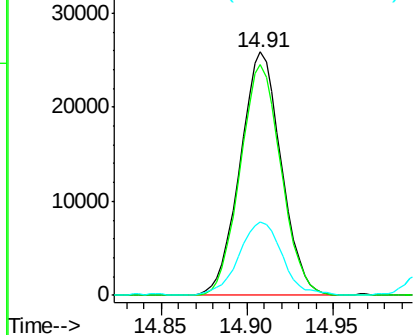
#93
 1,2,4-Trichlorobenzene
 Concen: 17.983 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBSD02

Tot Ion:180 Resp: 42904
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.3 144.9
 145 32.0 14.2 42.6

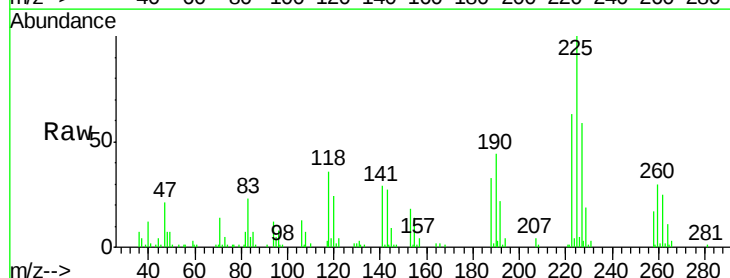


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

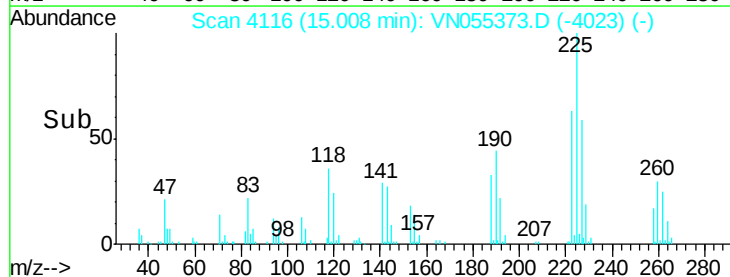
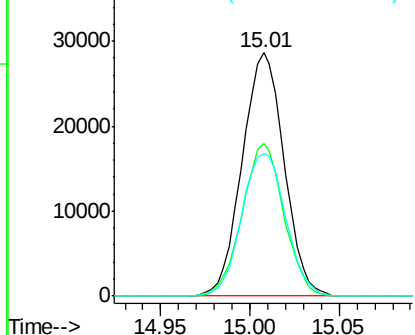


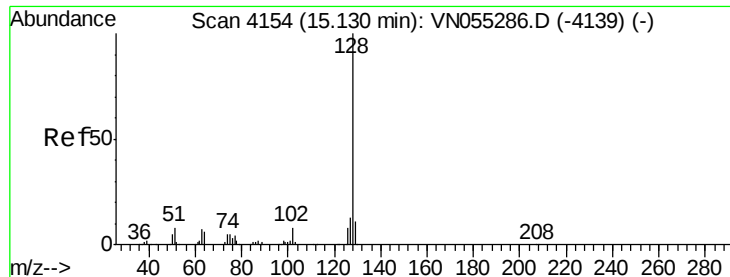
#94
 Hexachlorobutadiene
 Concen: 20.935 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055373.D
 Acq: 3 May 2019 2:47

Tgt Ion:225 Resp: 47023
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.3 90.8
 227 61.7 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.780 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBSD02

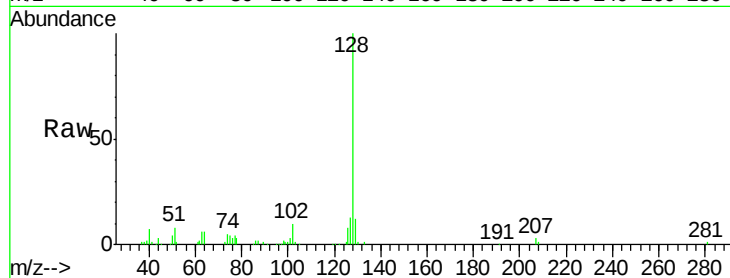
Tot Ion:128 Resp: 89875

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

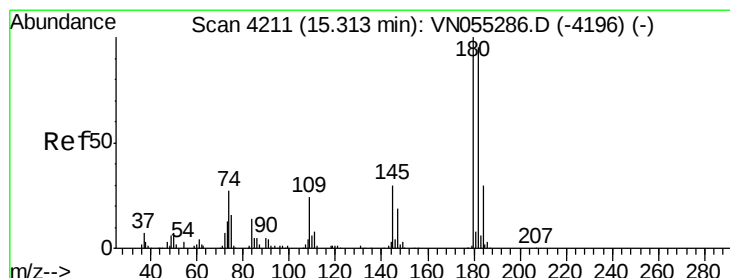
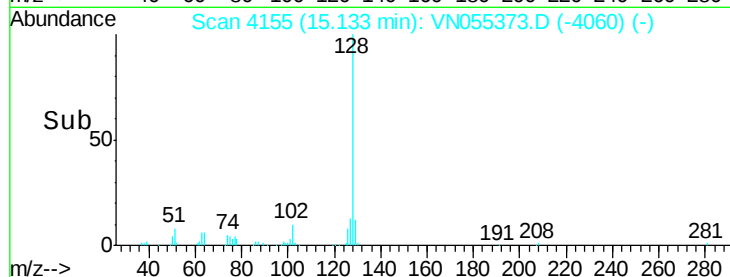
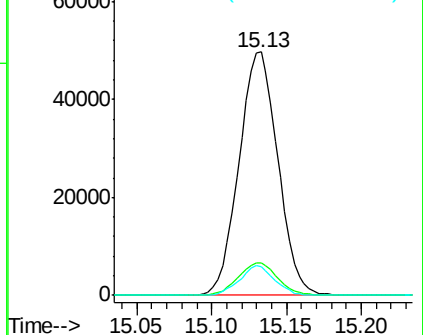
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.831 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055373.D

Acq: 3 May 2019 2:47

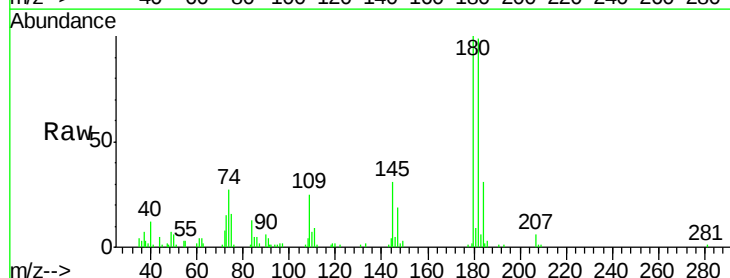
Tgt Ion:180 Resp: 46016

Ion Ratio Lower Upper

180 100

182 98.1 48.3 144.9

145 32.3 15.2 45.6



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

