

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054839.D
 Acq On : 31 Mar 2019 8:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 01:43:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	395902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	691689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	290276	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
35) Dibromofluoromethane	7.59	113	229226	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	845494	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	277363	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187195	46.746	ug/l	98
3) Chloromethane	2.06	50	275568	49.768	ug/l	100
4) Vinyl Chloride	2.19	62	256106	51.506	ug/l	100
5) Bromomethane	2.57	94	111263	42.335	ug/l	97
6) Chloroethane	2.71	64	143746	51.771	ug/l	98
7) Trichlorofluoromethane	3.02	101	322600	52.771	ug/l	100
8) Diethyl Ether	3.41	74	110414	56.092	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154289	47.944	ug/l	93
10) Methyl Iodide	3.94	142	179257	40.689	ug/l #	89
11) Tert butyl alcohol	4.82	59	93474	336.164	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167997	53.983	ug/l #	75
13) Acrolein	3.61	56	67609	271.980	ug/l	96
14) Allyl chloride	4.32	41	387059	50.495	ug/l #	90
15) Acrylonitrile	5.00	53	478032	309.296	ug/l	99
16) Acetone	3.82	43	337150	264.919	ug/l #	83
17) Carbon Disulfide	4.04	76	517146	51.235	ug/l	98
18) Methyl Acetate	4.33	43	217193	65.812	ug/l #	87
19) Methyl tert-butyl Ether	5.06	73	641093	58.892	ug/l	95
20) Methylene Chloride	4.54	84	240731	53.625	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	222371	54.401	ug/l #	83
22) Diisopropyl ether	5.96	45	878245	57.929	ug/l #	93
23) Vinyl Acetate	5.90	43	3196171	302.942	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	454936	56.253	ug/l	98
25) 2-Butanone	6.85	43	600577	319.247	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	148416	26.183	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	259359	56.167	ug/l	93
28) Bromochloromethane	7.19	49	225163	55.679	ug/l #	70
29) Tetrahydrofuran	7.22	42	410594	314.245	ug/l #	84
30) Chloroform	7.37	83	442456	57.375	ug/l	100
31) Cyclohexane	7.65	56	403971	55.028	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	363960	56.951	ug/l	96
36) 1,1-Dichloropropene	7.79	75	325655	50.527	ug/l	95
37) Ethyl Acetate	6.94	43	272686	57.694	ug/l	96
38) Carbon Tetrachloride	7.77	117	314406	50.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317423	44.797	ug/l	88
40) Benzene	8.04	78	985061	53.413	ug/l	100
41) Methacrylonitrile	7.18	41	152143	57.303	ug/l	89
42) 1,2-Dichloroethane	8.13	62	355433	53.976	ug/l	97
43) Isopropyl Acetate	8.17	43	459593	59.845	ug/l #	94
44) Trichloroethene	8.83	130	247308	51.658	ug/l	93
45) 1,2-Dichloropropane	9.12	63	276146	52.513	ug/l	99
46) Dibromomethane	9.21	93	159062	53.770	ug/l	90
47) Bromodichloromethane	9.40	83	338308	55.028	ug/l	95
48) Methyl methacrylate	9.20	41	234253	56.270	ug/l #	86
49) 1,4-Dioxane	9.21	88	50982	1234.238	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1334095	308.978	ug/l	93
52) Toluene	10.16	92	583621	53.183	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	286104	49.471	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	347954	50.367	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	223740	54.832	ug/l	96
56) Ethyl methacrylate	10.43	69	309977	57.910	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	384245	54.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	585794	253.890	ug/l	89
59) 2-Hexanone	10.75	43	822461	297.555	ug/l	92
60) Dibromochloromethane	10.90	129	235397	56.950	ug/l	100
61) 1,2-Dibromoethane	11.01	107	215781	55.335	ug/l	99
64) Tetrachloroethene	10.63	164	244402	53.028	ug/l	97
65) Chlorobenzene	11.44	112	599605	50.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239911	54.507	ug/l	99
67) Ethyl Benzene	11.51	91	1086058	51.181	ug/l	97
68) m/p-Xylenes	11.62	106	792800	100.957	ug/l	93
69) o-Xylene	11.95	106	394094	51.178	ug/l	96
70) Styrene	11.96	104	657262	53.382	ug/l	96
71) Bromoform	12.13	173	146580	56.846	ug/l #	100
73) Isopropylbenzene	12.25	105	1028312	48.651	ug/l	98
74) N-amyl acetate	12.07	43	364984	55.427	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	277741	59.949	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	312846	69.639	ug/l #	100
77) Bromobenzene	12.53	156	258824	50.738	ug/l	86
78) n-propylbenzene	12.59	91	1130686	48.671	ug/l	96
79) 2-Chlorotoluene	12.68	91	698958	48.632	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	832478	48.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	48362	41.874	ug/l #	82
82) 4-Chlorotoluene	12.77	91	687461	49.246	ug/l	93
83) tert-Butylbenzene	12.99	119	718747	53.639	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	834149	50.485	ug/l	97
85) sec-Butylbenzene	13.17	105	885961	47.025	ug/l	97
86) p-Isopropyltoluene	13.29	119	765016	46.039	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	419148	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	406914	48.577	ug/l	98
89) n-Butylbenzene	13.62	91	607847	44.835	ug/l	97
90) Hexachloroethane	13.88	117	136716	48.459	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	421733	48.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42410	58.693	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198940	47.874	ug/l	99
94) Hexachlorobutadiene	15.01	225	107702	43.490	ug/l	99
95) Naphthalene	15.13	128	483913	51.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	204358	48.695	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: VN054839.D

Acq: 31 Mar 2019 8:23

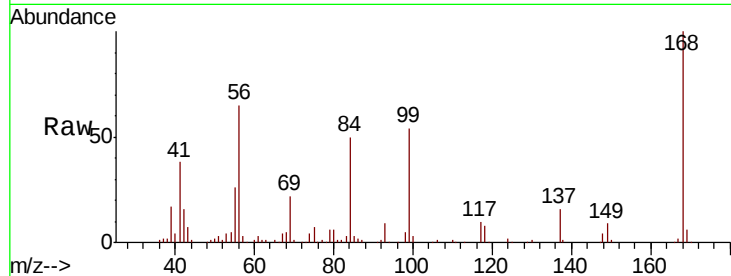
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 395902

Ion Ratio Lower Upper

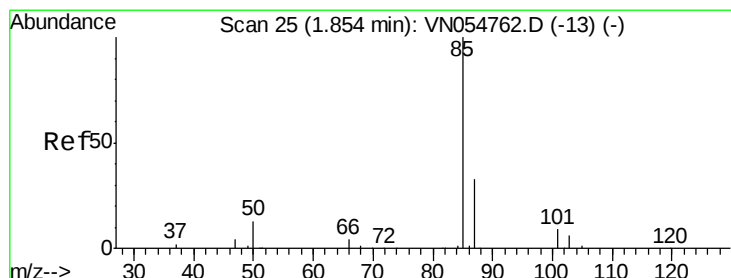
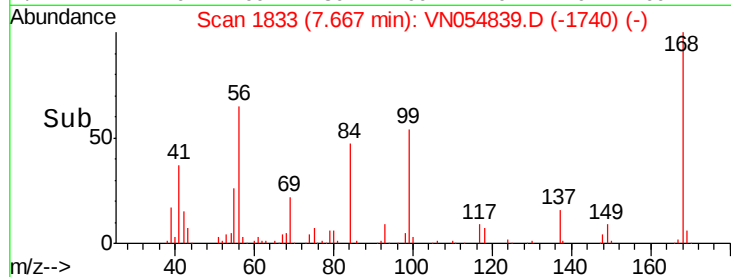
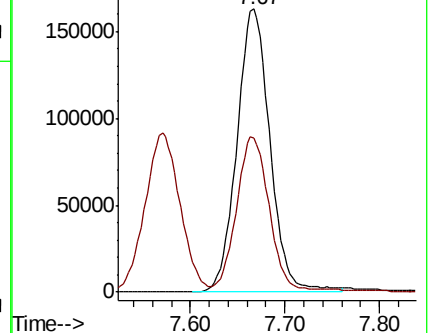
168 100

99 53.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.746 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054839.D

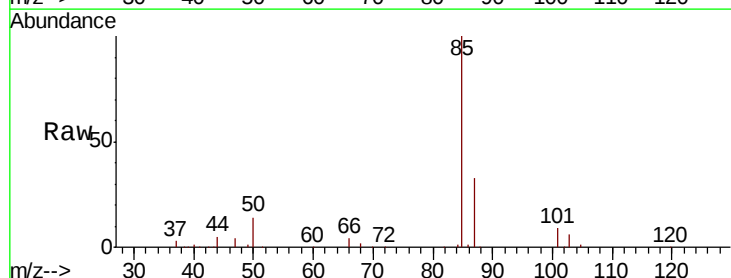
Acq: 31 Mar 2019 8:23

Tgt Ion: 85 Resp: 187195

Ion Ratio Lower Upper

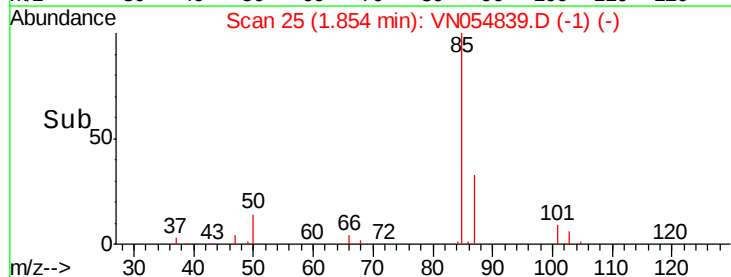
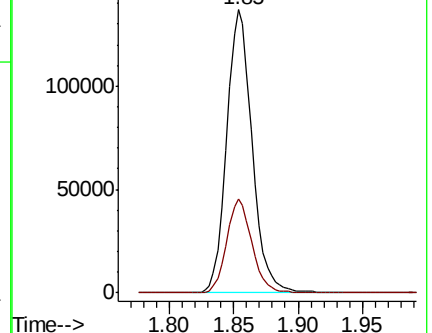
85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 49.768 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

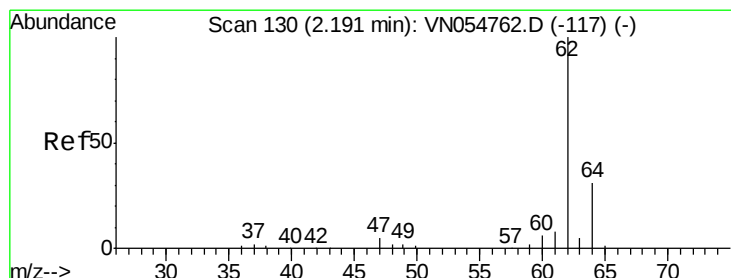
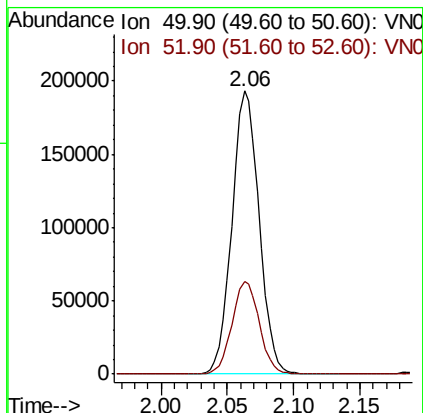
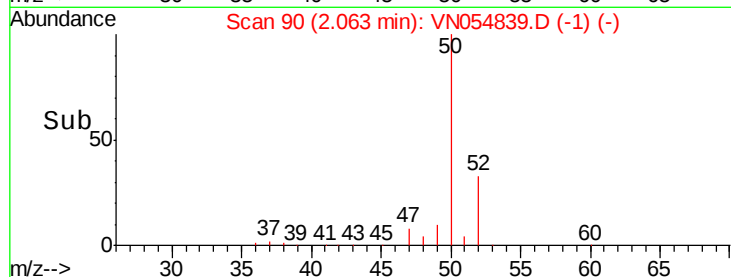
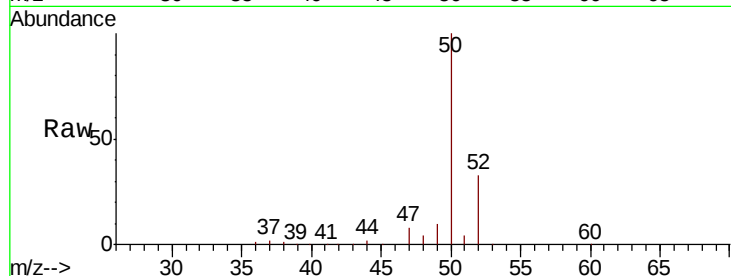
ClientSampleId :

Tot Ion: 50 Resp: 275568

Ion Ratio Lower Upper

50 100

52 32.9 26.4 39.6



#4

Vinyl Chloride

Concen: 51.506 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054839.D

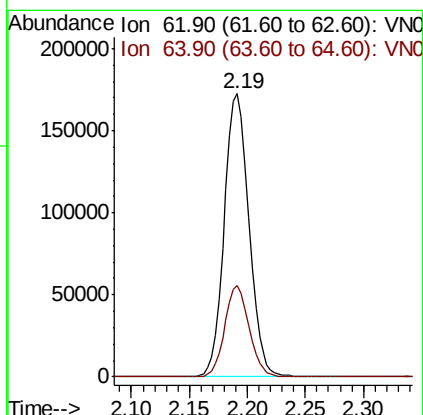
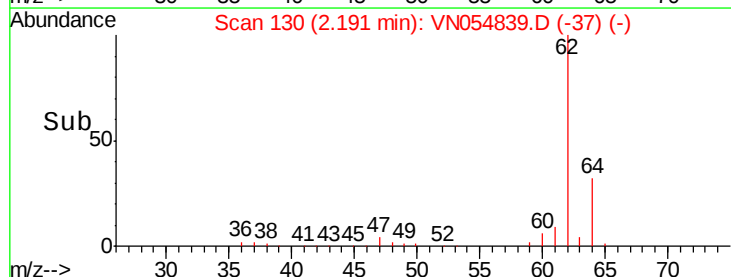
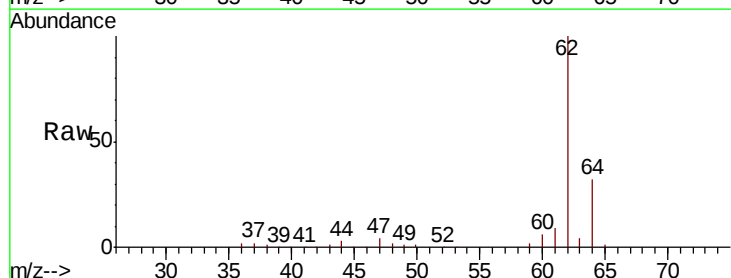
Acq: 31 Mar 2019 8:23

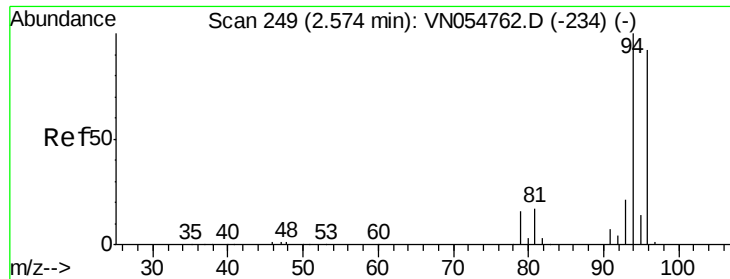
Tgt Ion: 62 Resp: 256106

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 42.335 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

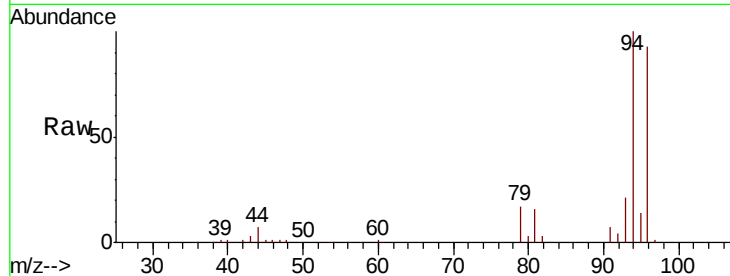
ClientSampleId :

Tot Ion: 94 Resp: 111263

Ion Ratio Lower Upper

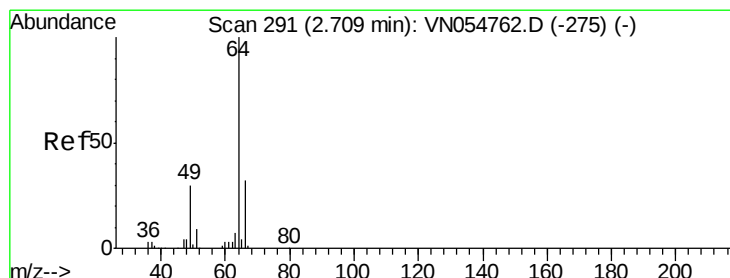
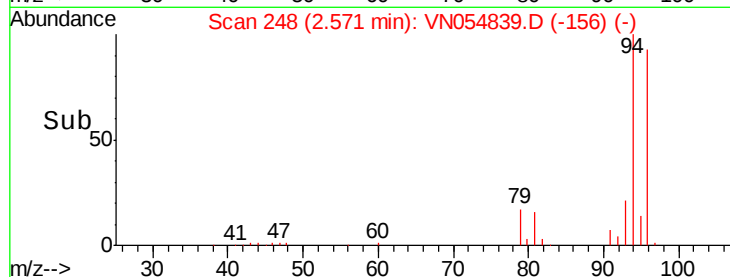
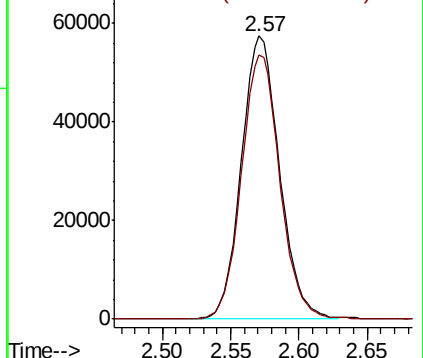
94 100

96 93.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.771 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054839.D

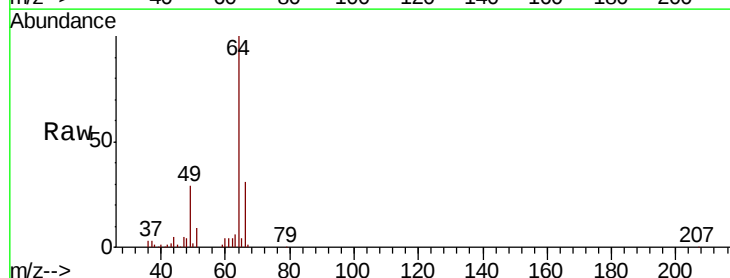
Acq: 31 Mar 2019 8:23

Tgt Ion: 64 Resp: 143746

Ion Ratio Lower Upper

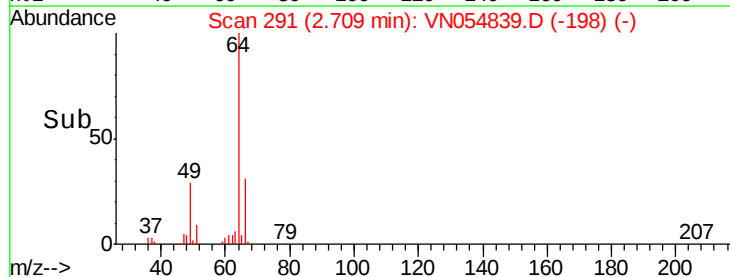
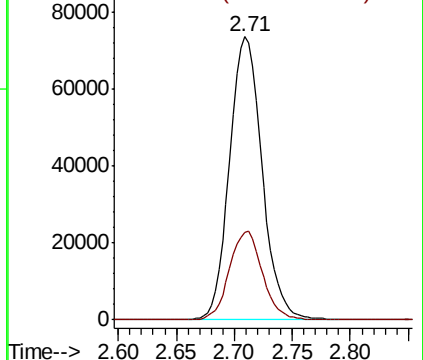
64 100

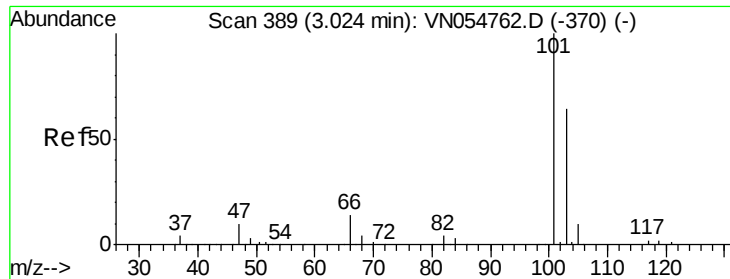
66 31.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



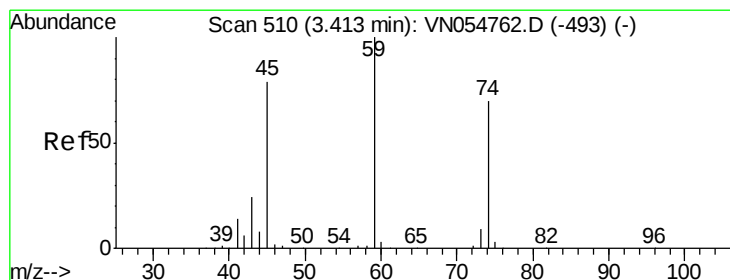
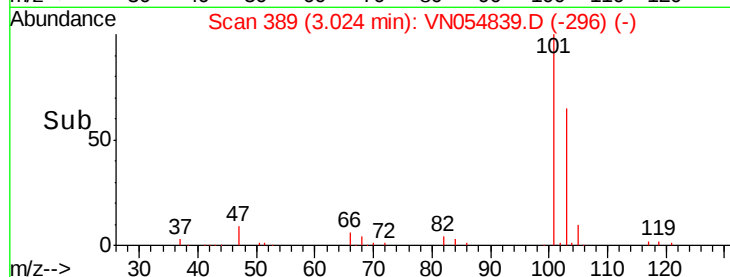
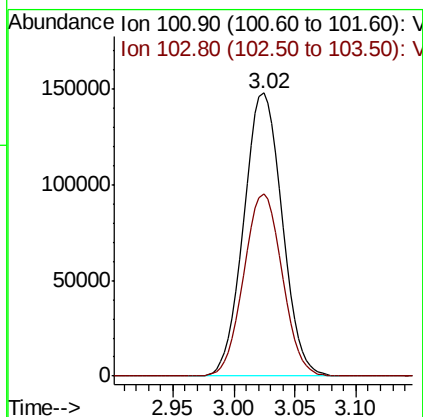
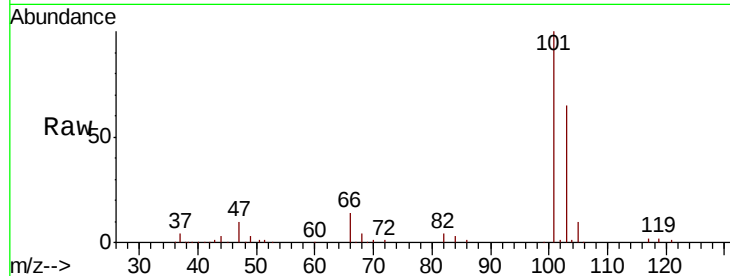


#7

Trichlorofluoromethane
 Concen: 52.771 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :

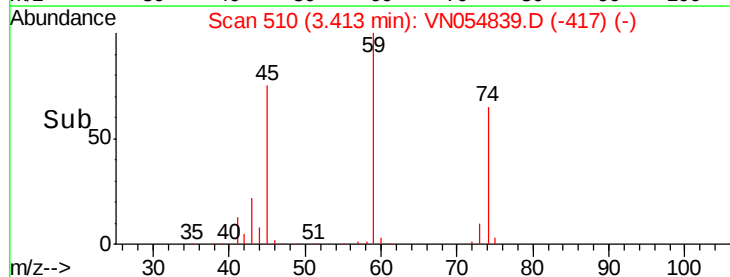
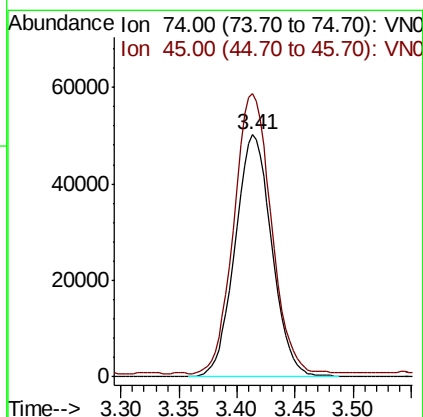
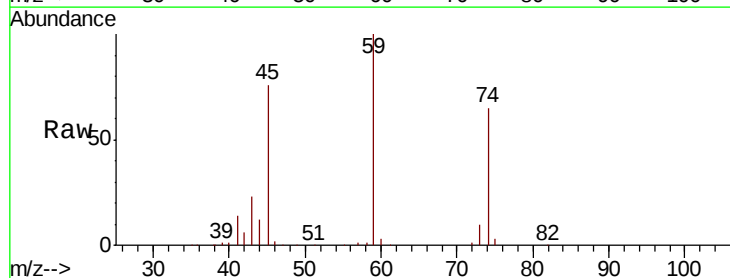
Tot Ion:101 Resp: 322600
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2

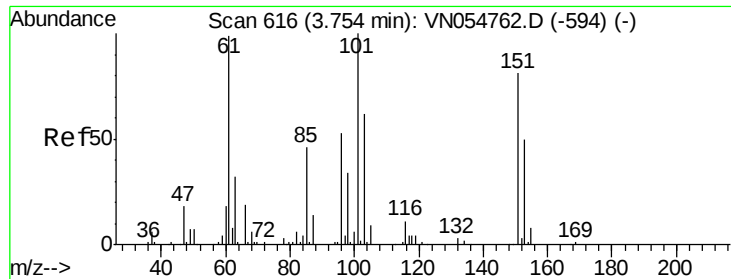


#8

Diethyl Ether
 Concen: 56.092 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 74 Resp: 110414
 Ion Ratio Lower Upper
 74 100
 45 117.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.944 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

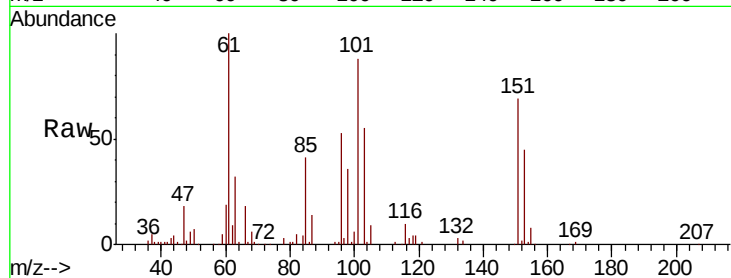
Tot Ion:101 Resp: 154289

Ion Ratio Lower Upper

101 100

85 46.2 32.4 48.6

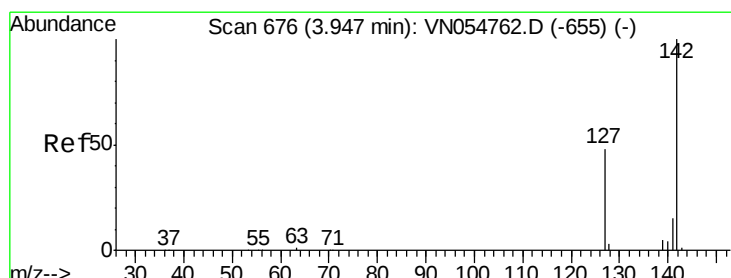
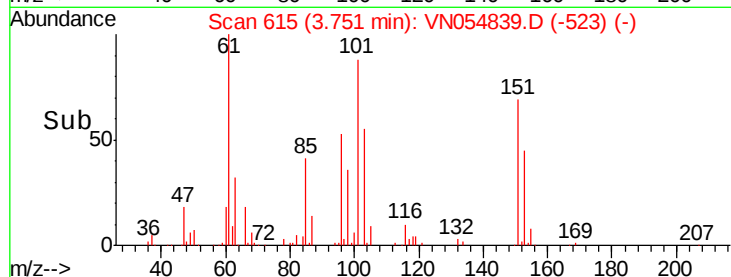
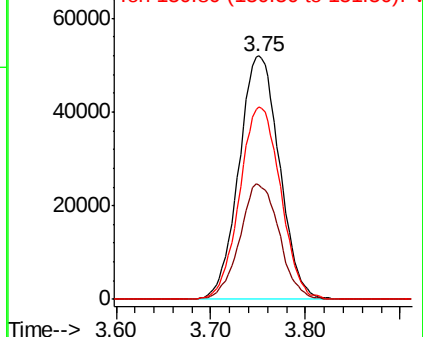
151 79.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.689 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

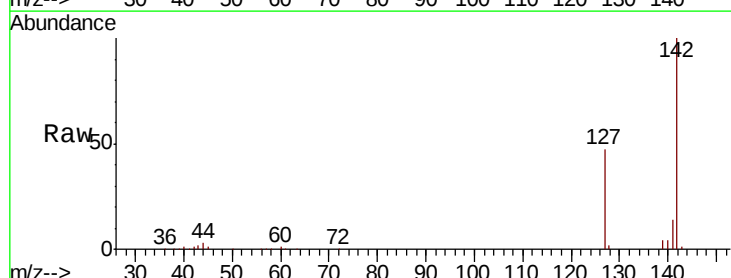
Tgt Ion:142 Resp: 179257

Ion Ratio Lower Upper

142 100

127 46.8 30.3 45.5#

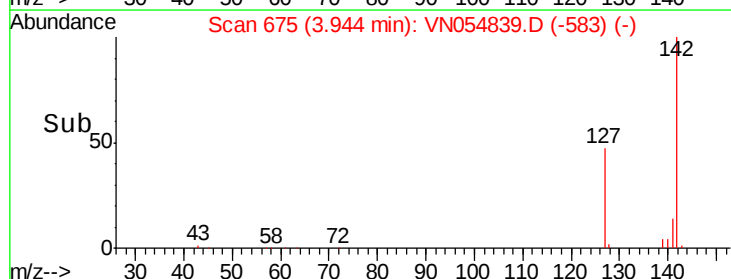
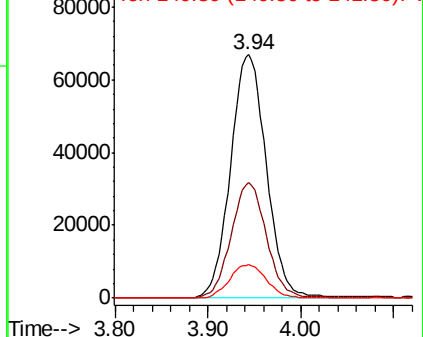
141 14.2 11.2 16.8

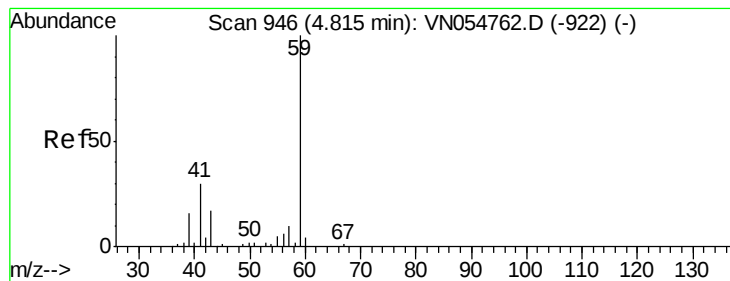


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



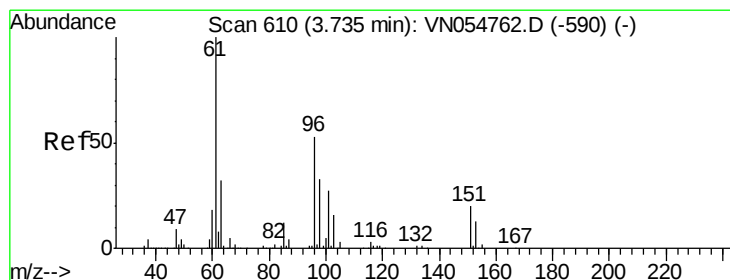
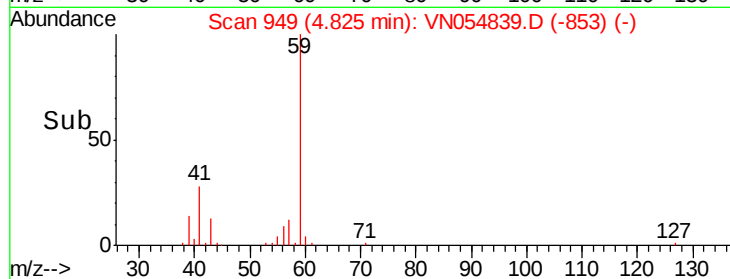
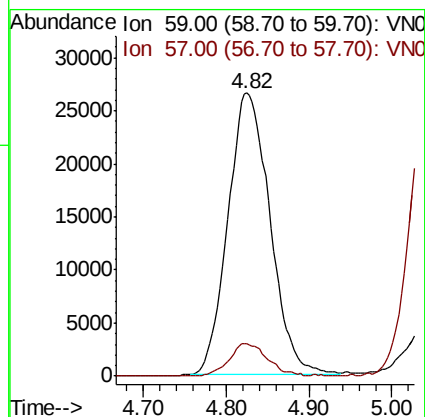
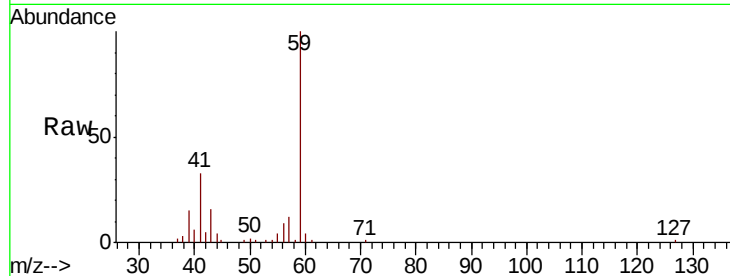


#11

Tert butyl alcohol
 Concen: 336.164 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :

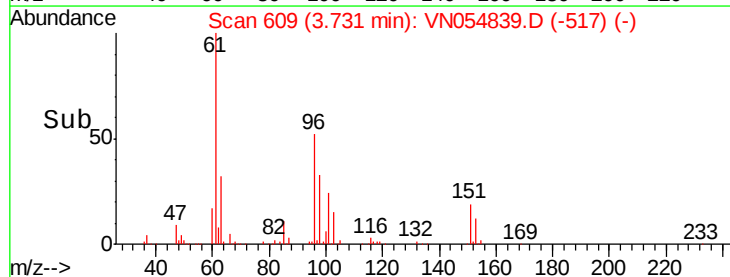
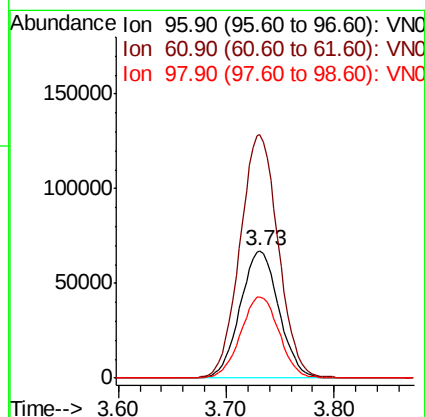
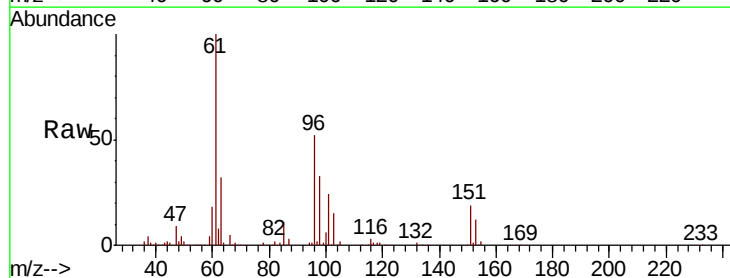
Tot Ion: 59 Resp: 93474
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

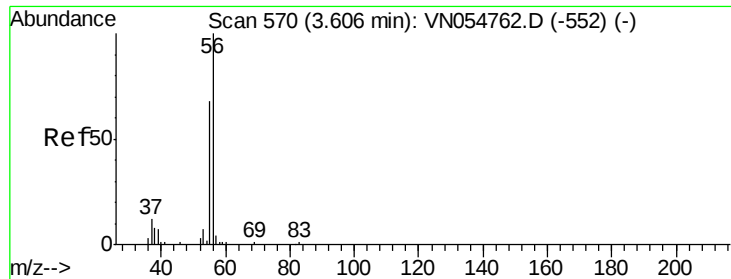


#12

1,1-Dichloroethene
 Concen: 53.983 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 96 Resp: 167997
 Ion Ratio Lower Upper
 96 100
 61 191.1 116.5 174.7#
 98 63.9 51.0 76.4





#13

Acrolein

Concen: 271.980 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

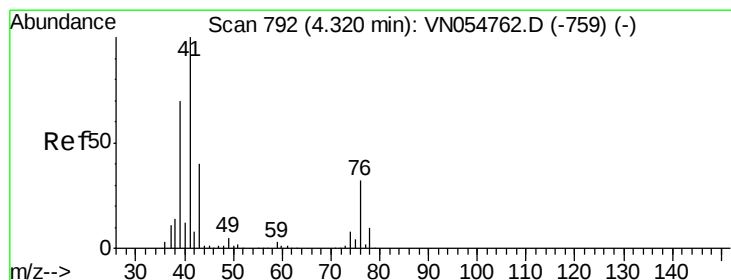
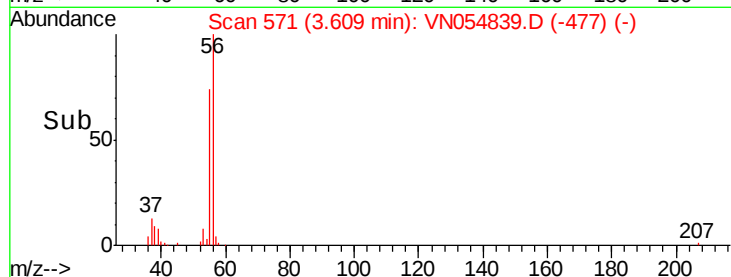
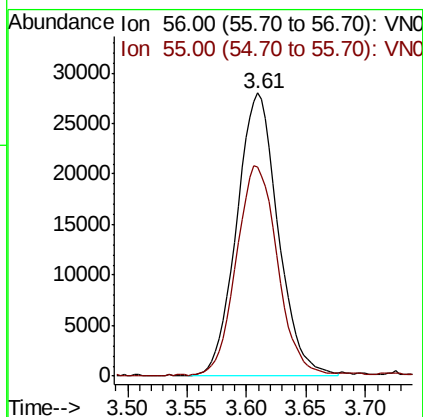
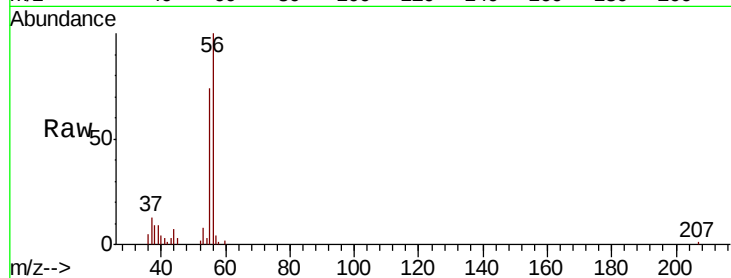
ClientSampleId :

Tot Ion: 56 Resp: 67609

Ion Ratio Lower Upper

56 100

55 74.3 56.7 85.1



#14

Allyl chloride

Concen: 50.495 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

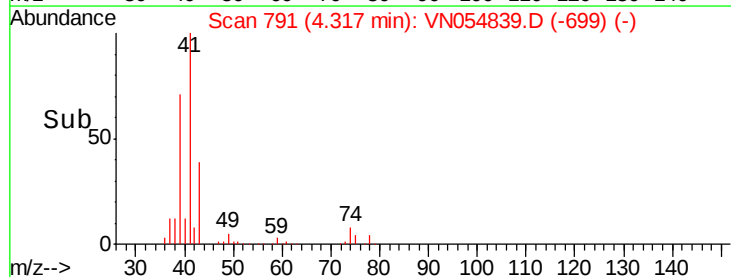
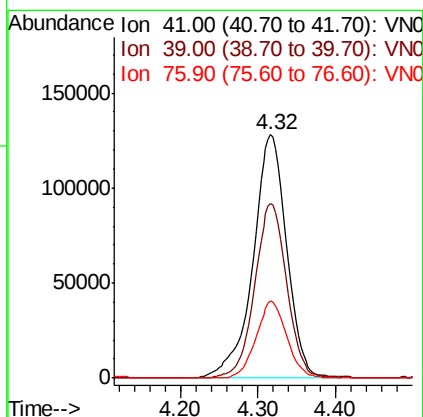
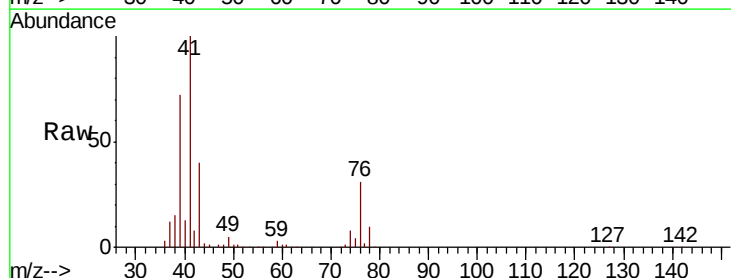
Tgt Ion: 41 Resp: 387059

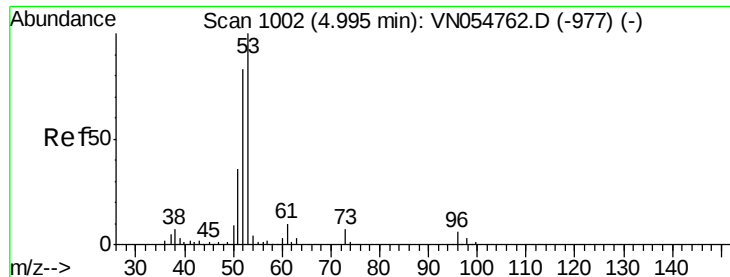
Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

76 28.8 31.7 47.5#





#15

Acrylonitrile

Concen: 309.296 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

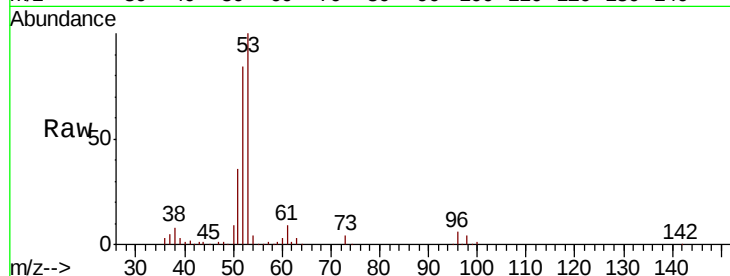
Tot Ion: 53 Resp: 478032

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

51 37.1 29.6 44.4

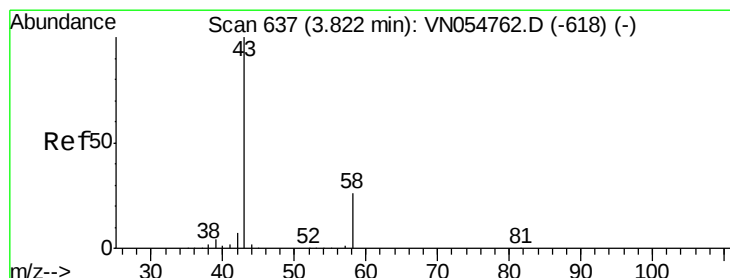
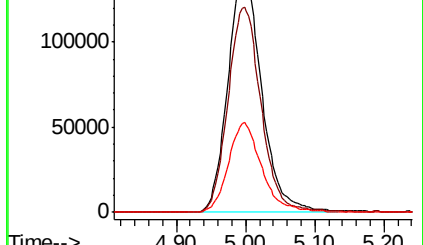
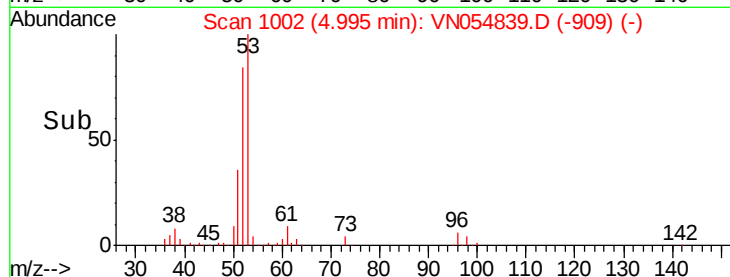


Abundance Ion 53.00 (52.70 to 53.70): VN054762.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054762.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054762.D (-977) (-)

Time-->



#16

Acetone

Concen: 264.919 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054839.D

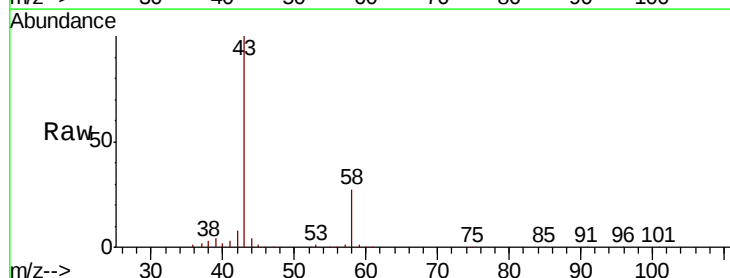
Acq: 31 Mar 2019 8:23

Tgt Ion: 43 Resp: 337150

Ion Ratio Lower Upper

43 100

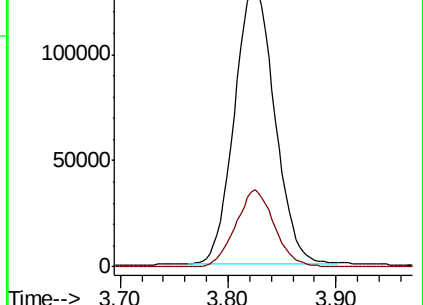
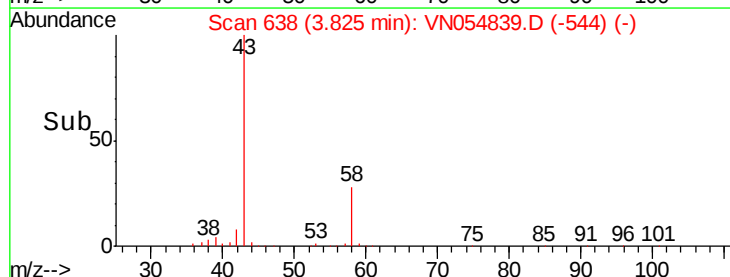
58 27.5 29.9 44.9#

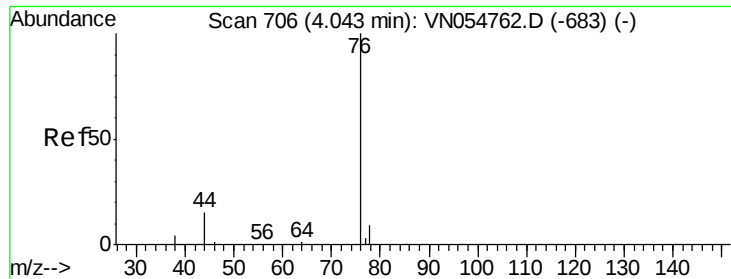


Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

Time-->

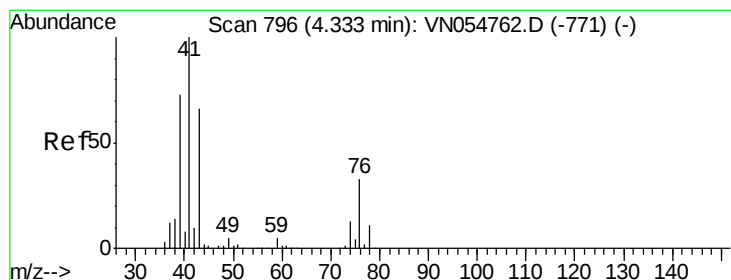
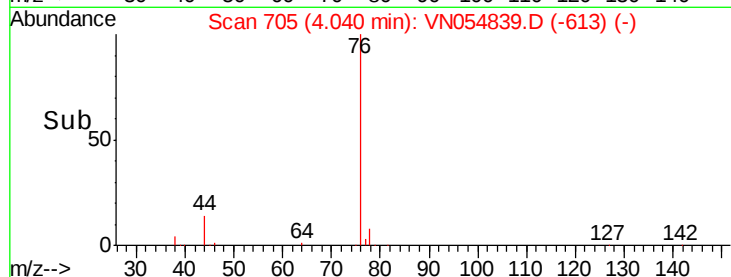
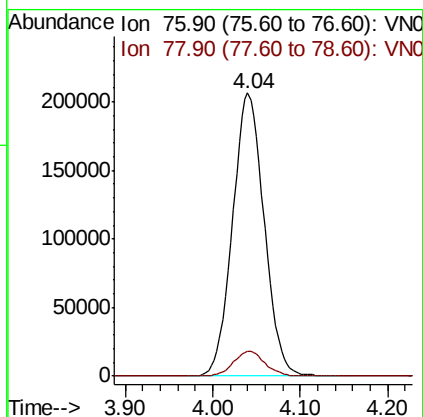
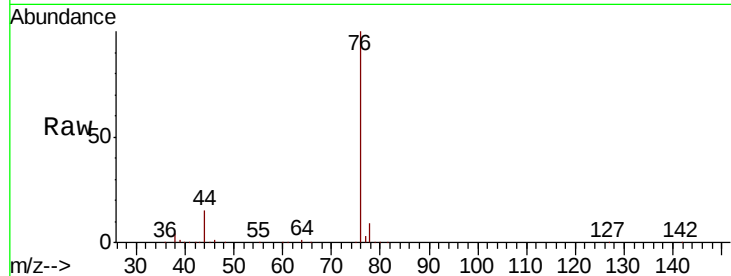




#17
Carbon Disulfide
Concen: 51.235 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

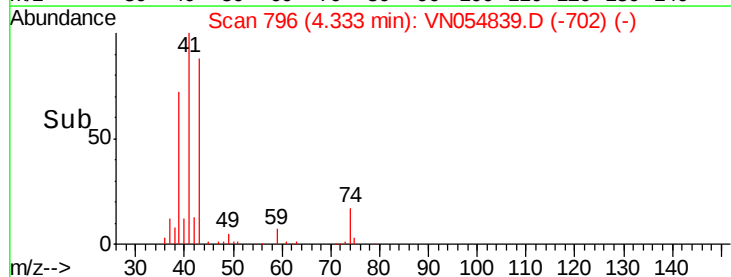
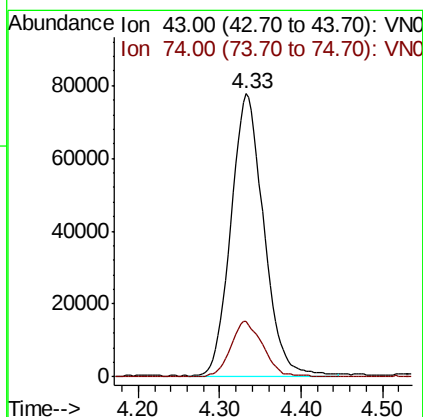
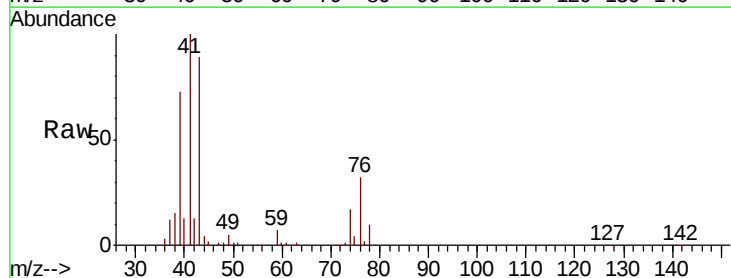
Instrument :
MSVOA_N
ClientSampled :

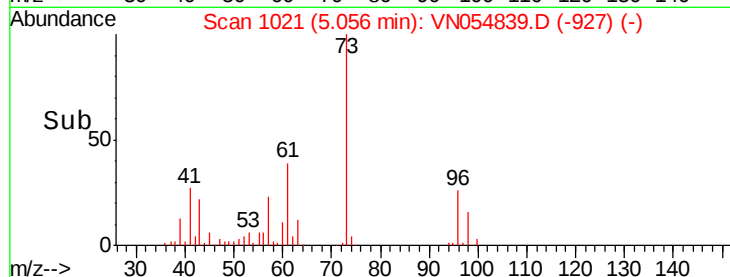
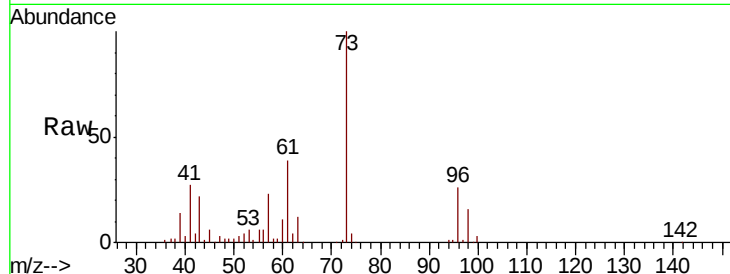
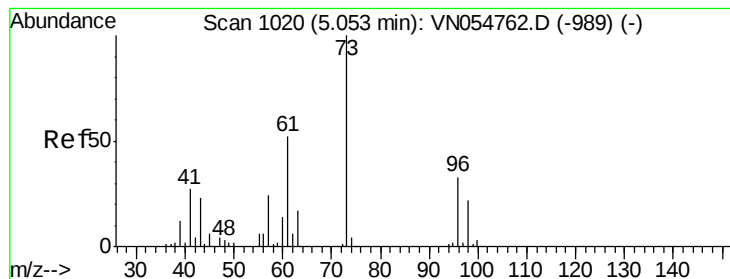
Tot Ion: 76 Resp: 517146
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#18
Methyl Acetate
Concen: 65.812 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 43 Resp: 217193
Ion Ratio Lower Upper
43 100
74 19.4 20.8 31.2#



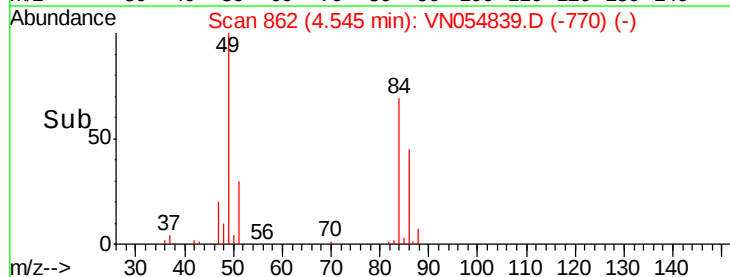
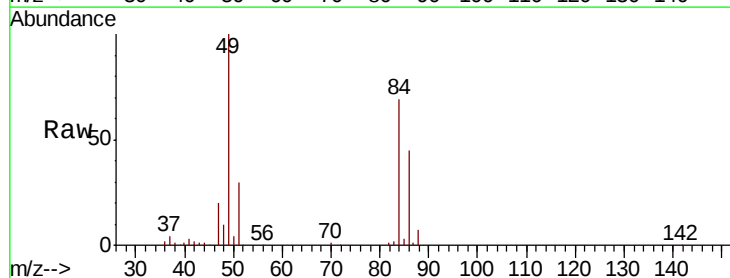
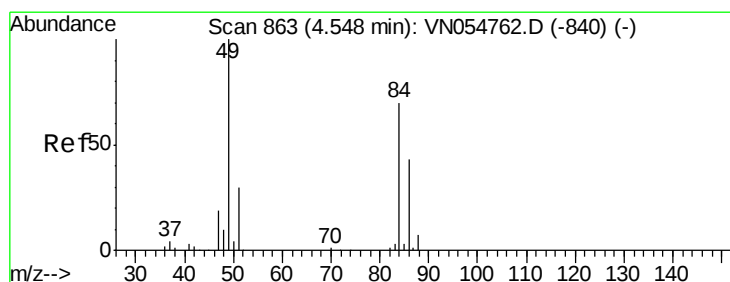
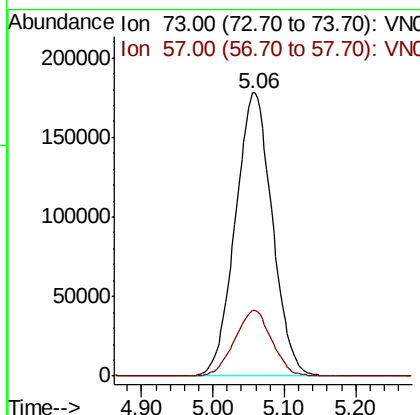


#19

Methyl tert-butyl Ether
 Concen: 58.892 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampleId :

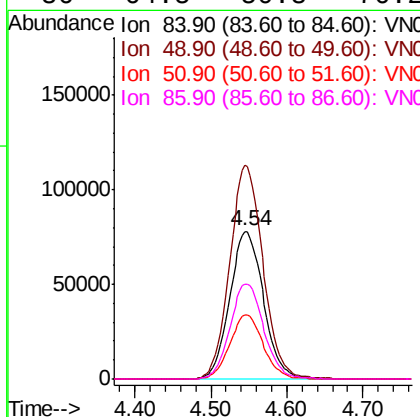
Tot Ion: 73 Resp: 641093
 Ion Ratio Lower Upper
 73 100
 57 23.2 16.8 25.2

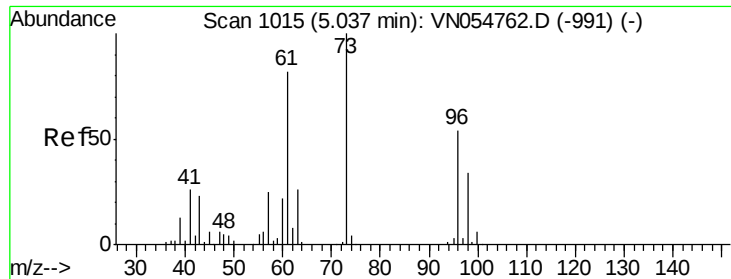


#20

Methylene Chloride
 Concen: 53.625 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 84 Resp: 240731
 Ion Ratio Lower Upper
 84 100
 49 144.5 89.7 134.5#
 51 43.8 28.2 42.4#
 86 64.5 50.8 76.2

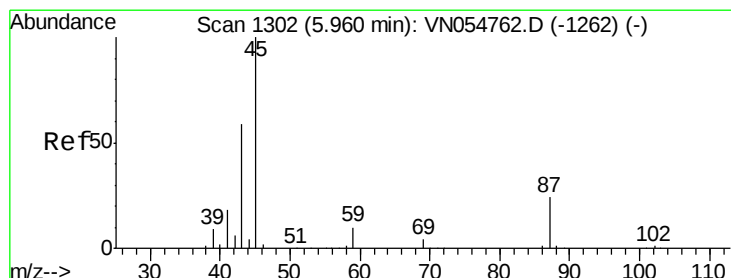
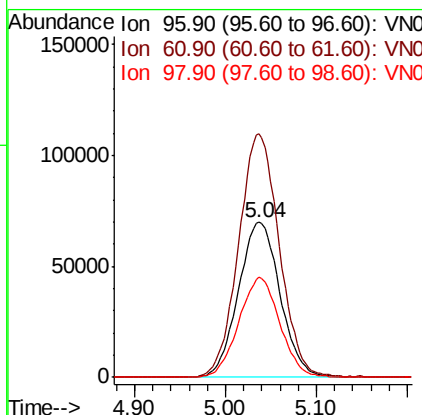
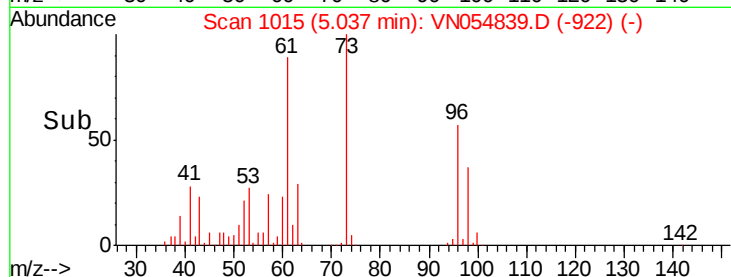
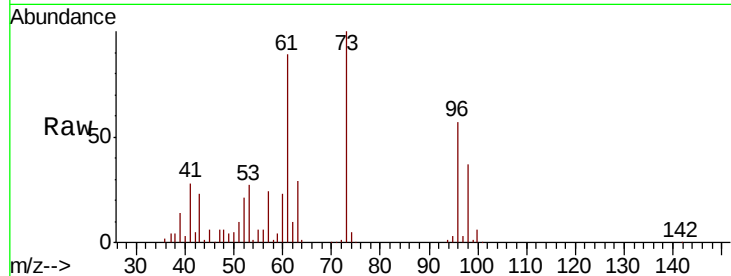




#21
trans-1,2-Dichloroethene
Concen: 54.401 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

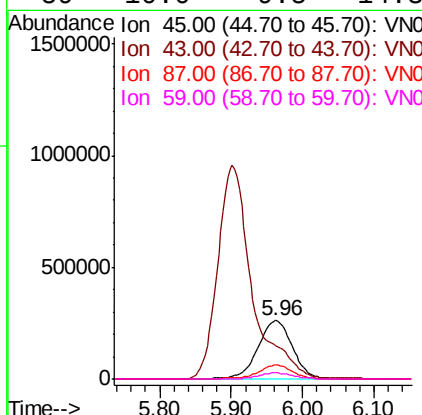
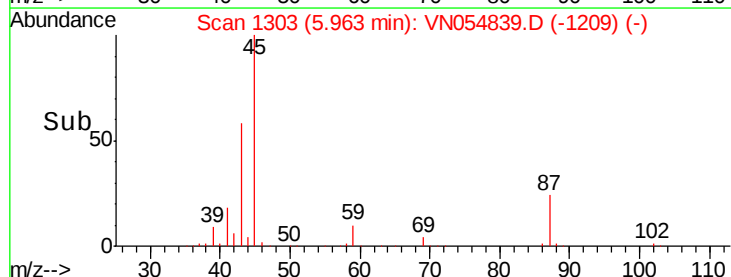
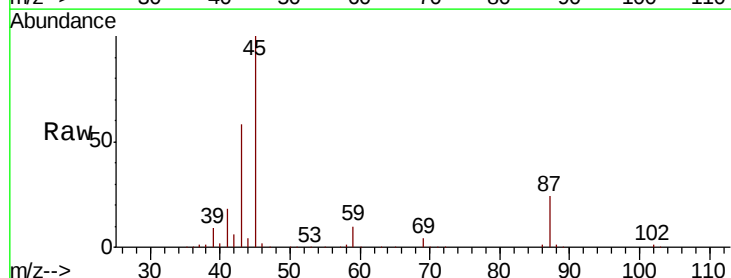
Instrument :
MSVOA_N
ClientSampleId :

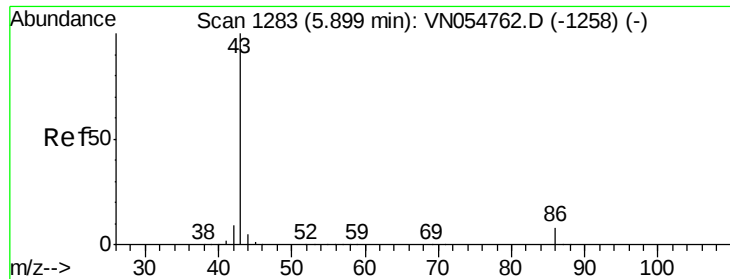
Tot Ion: 96 Resp: 222371
Ion Ratio Lower Upper
96 100
61 156.9 102.8 154.2#
98 64.5 50.0 75.0



#22
Diisopropyl ether
Concen: 57.929 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 45 Resp: 878245
Ion Ratio Lower Upper
45 100
43 56.7 48.2 72.2
87 23.8 24.9 37.3#
59 10.0 9.5 14.3

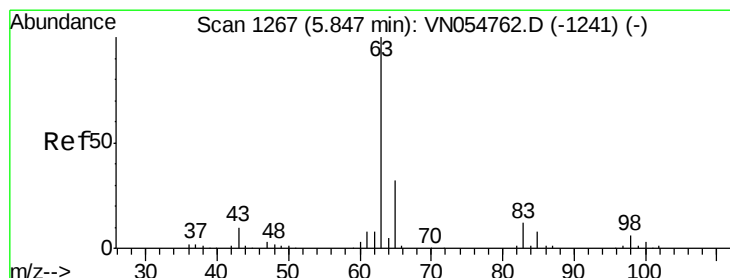
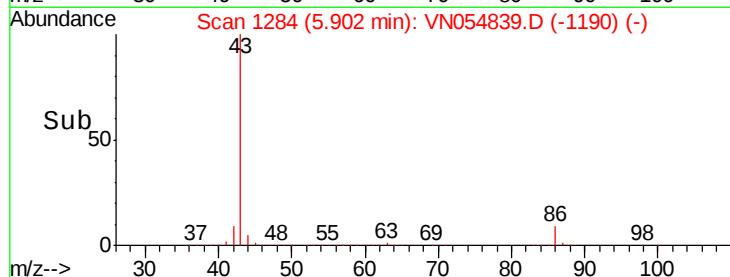
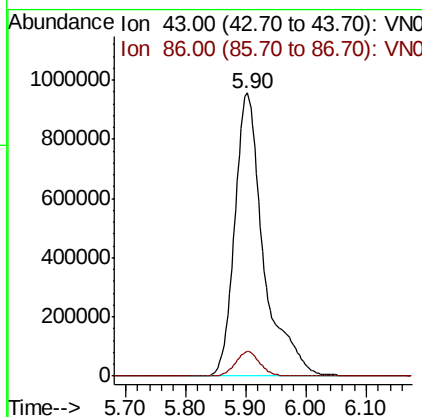
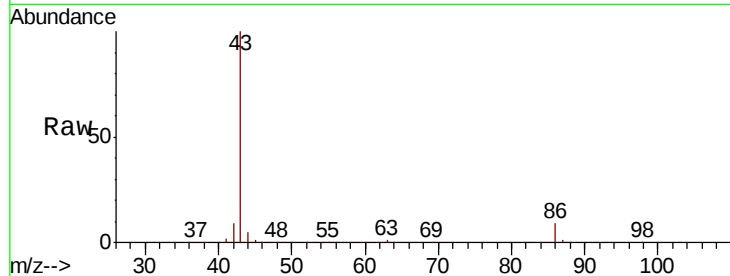




#23
 Vinyl Acetate
 Concen: 302.942 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

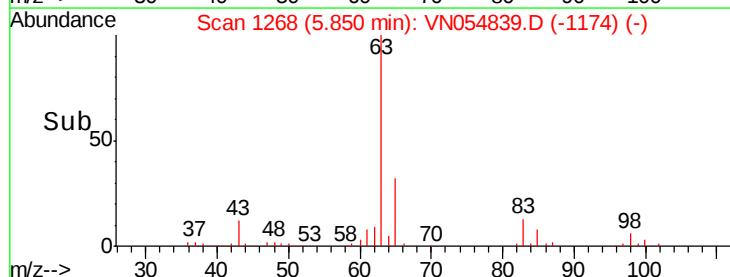
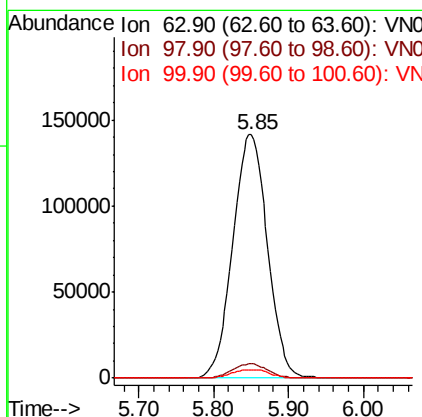
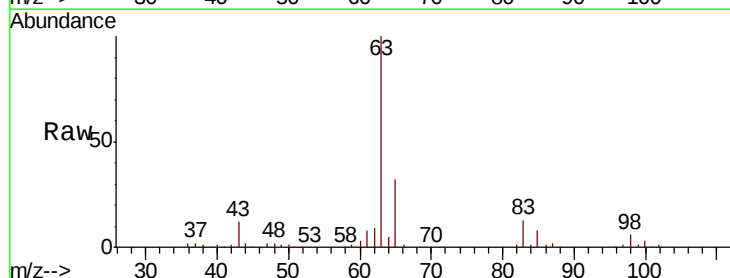
Instrument :
 MSVOA_N
 ClientSampled :

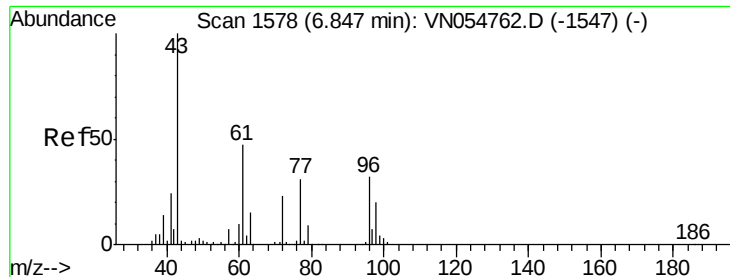
Tot Ion: 43 Resp: 3196171
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 56.253 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 63 Resp: 454936
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.4 2.0 6.0





#25

2-Butanone

Concen: 319.247 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

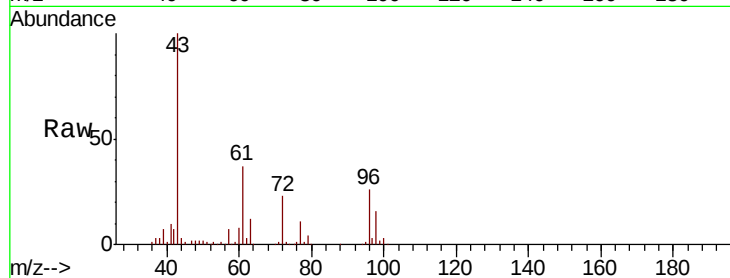
ClientSampled :

Tot Ion: 43 Resp: 600577

Ion Ratio Lower Upper

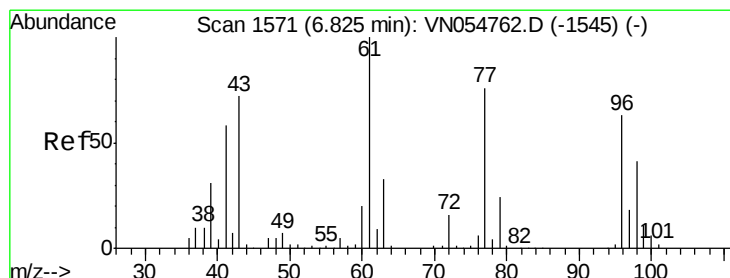
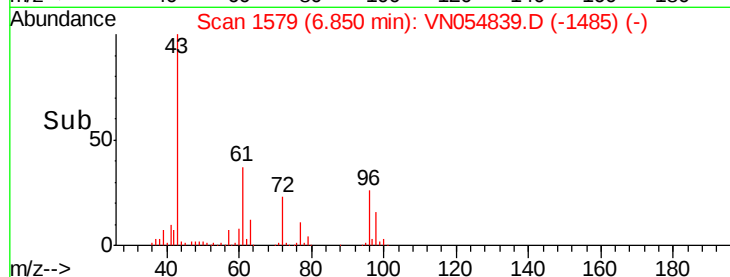
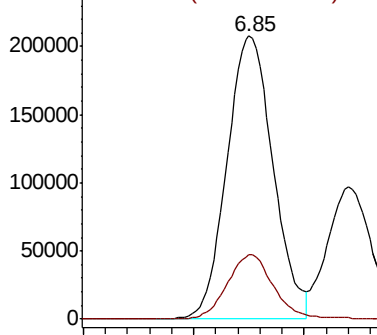
43 100

72 22.9 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 26.183 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054839.D

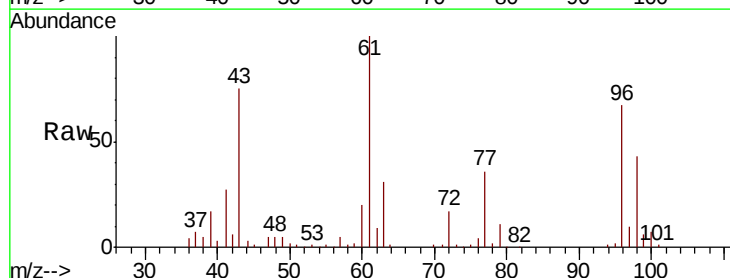
Acq: 31 Mar 2019 8:23

Tgt Ion: 77 Resp: 148416

Ion Ratio Lower Upper

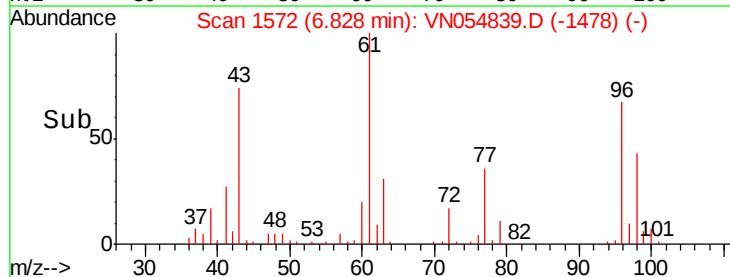
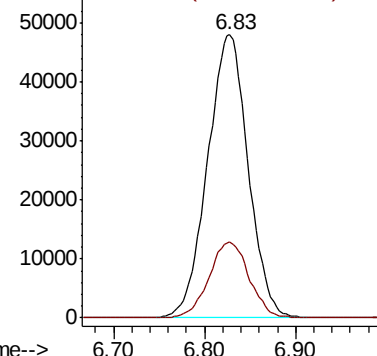
77 100

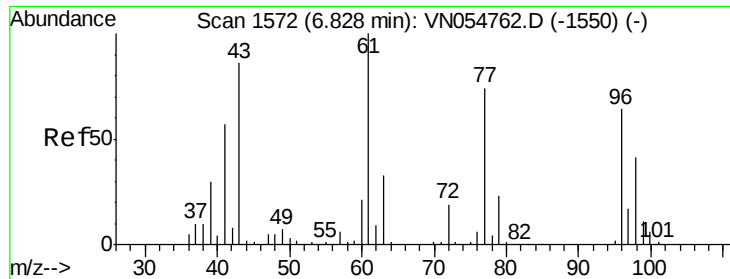
97 26.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

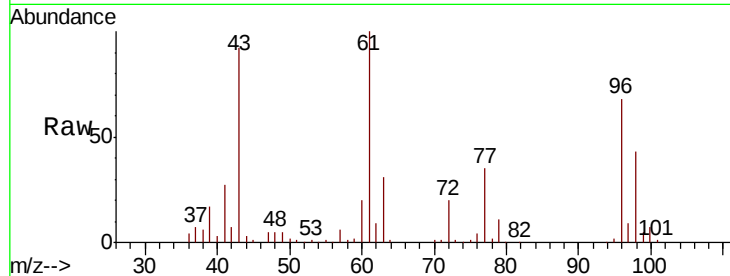




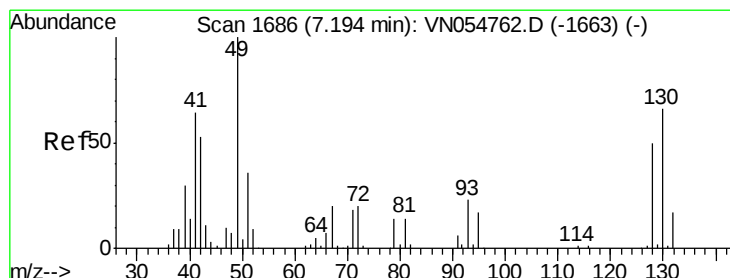
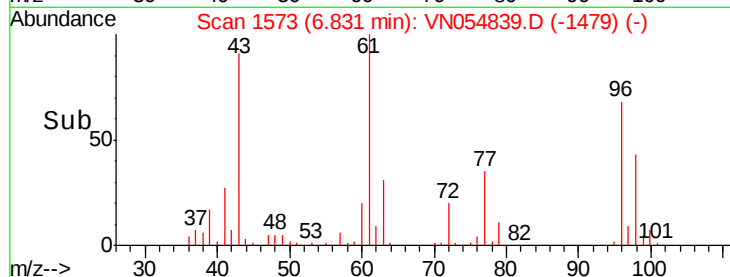
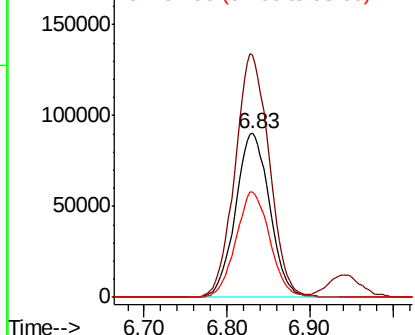
#27
 cis-1,2-Dichloroethene
 Concen: 56.167 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 259359
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 273.0
 98 63.8 0.0 130.6

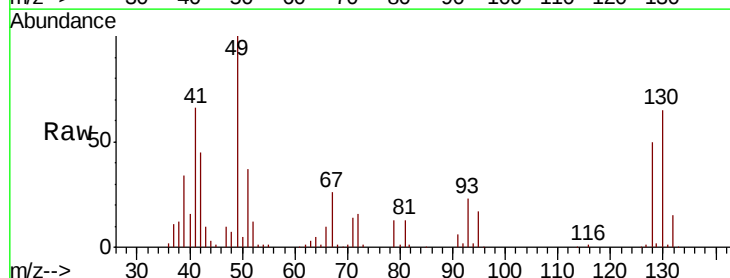


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

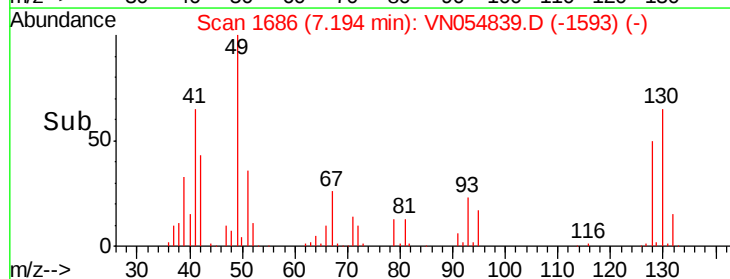
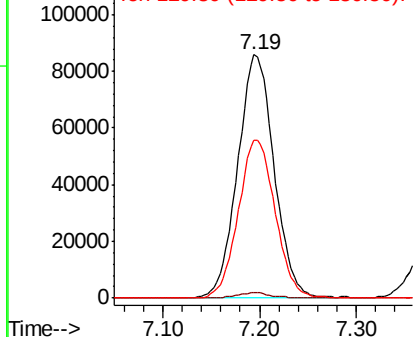


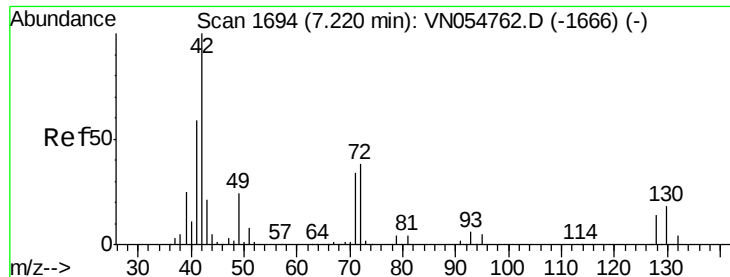
#28
 Bromochloromethane
 Concen: 55.679 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 49 Resp: 225163
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 65.7 76.7 115.1#



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

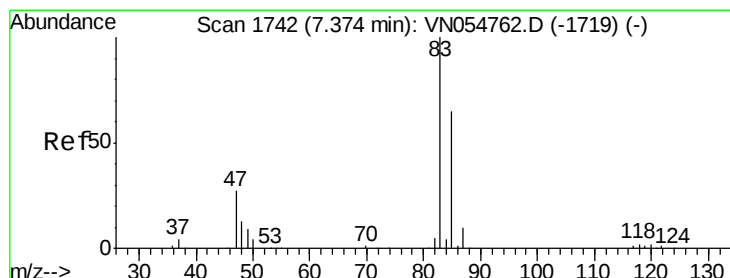
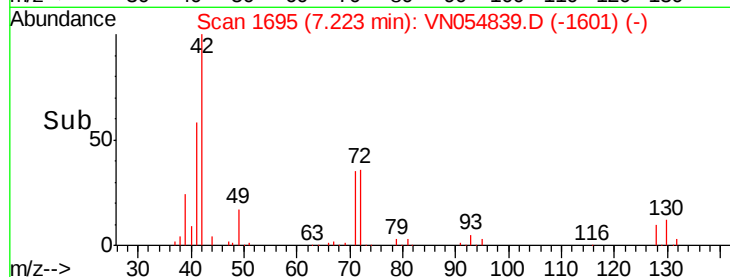
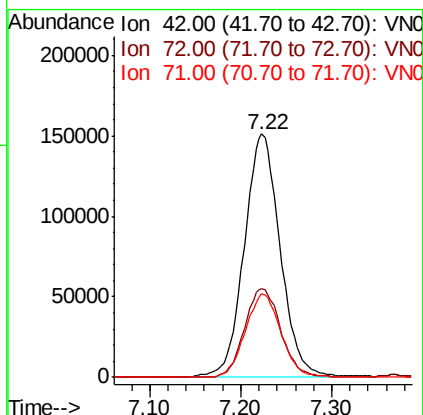
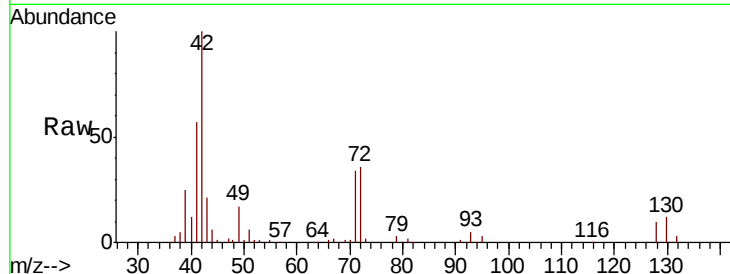




#29
Tetrahydrofuran
Concen: 314.245 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

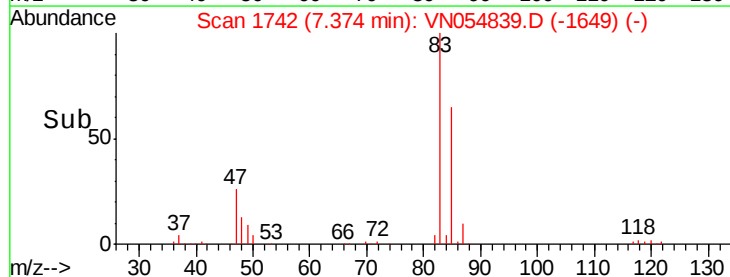
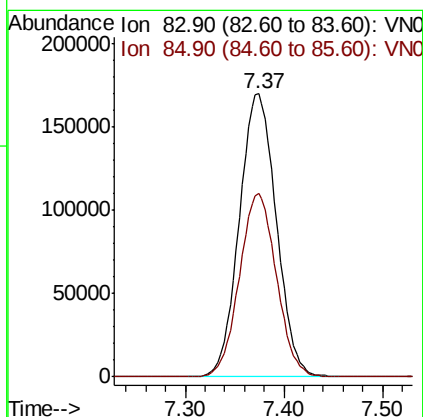
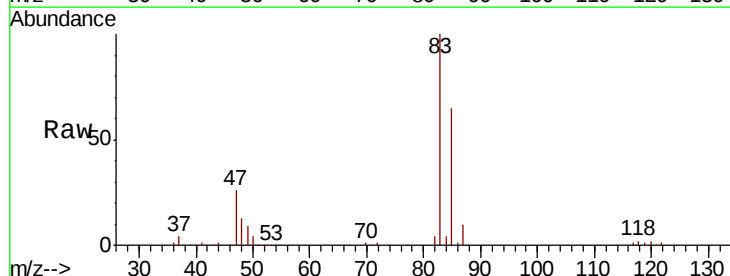
Instrument :
MSVOA_N
ClientSampled :

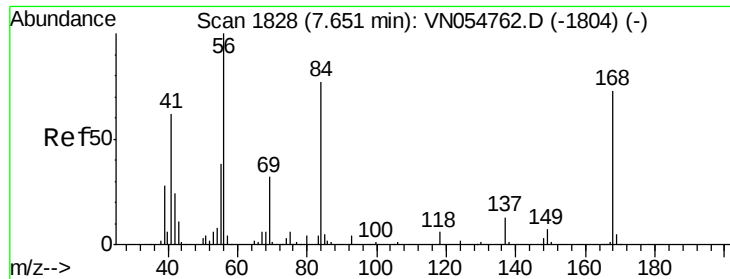
Tot Ion: 42 Resp: 410594
Ion Ratio Lower Upper
42 100
72 37.2 37.8 56.6#
71 34.5 36.2 54.2#



#30
Chloroform
Concen: 57.375 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 83 Resp: 442456
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4

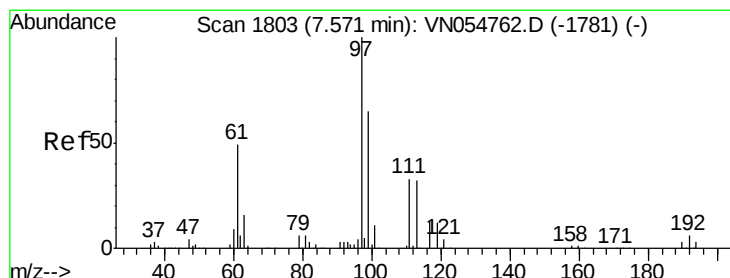
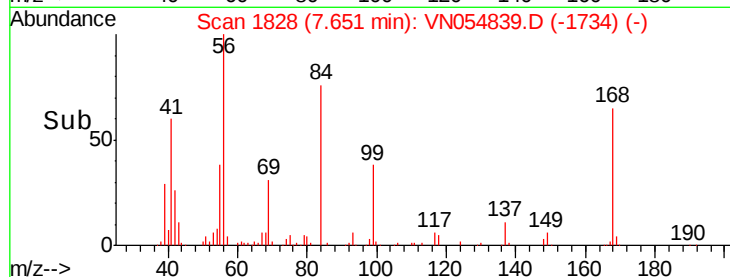
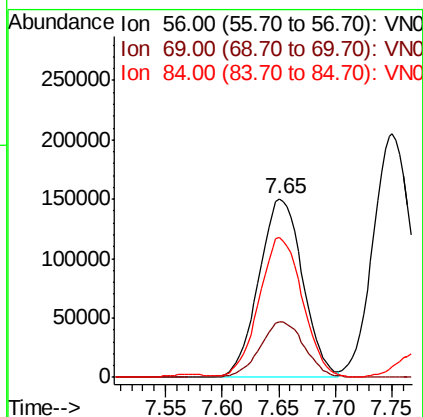
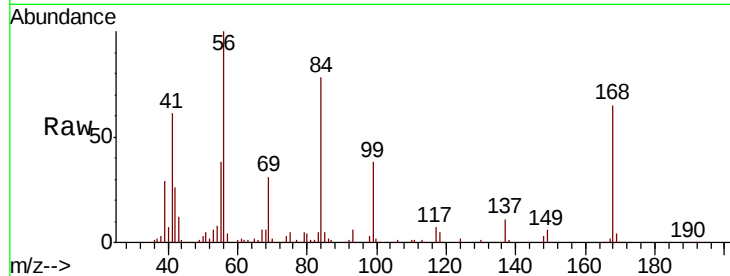




#31
Cyclohexane
Concen: 55.028 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

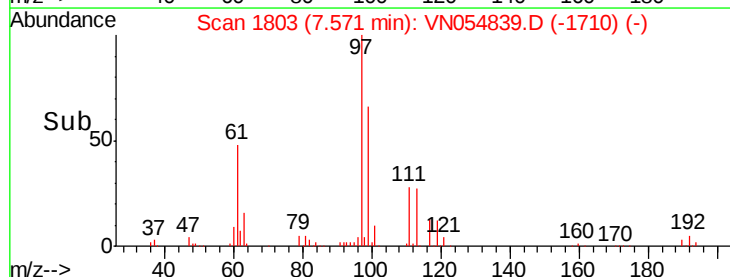
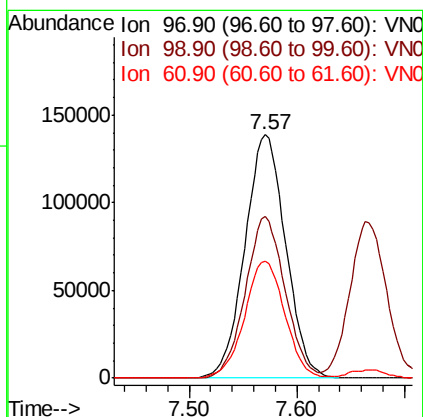
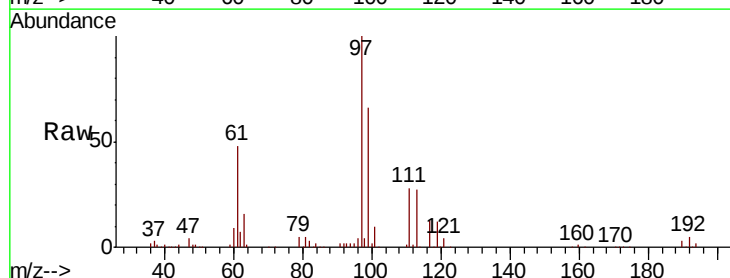
Instrument :
MSVOA_N
ClientSampled :

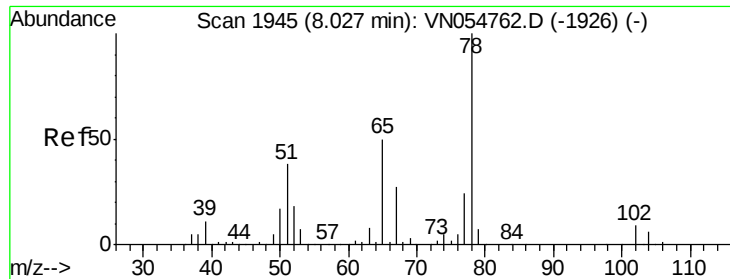
Tot Ion: 56 Resp: 403971
Ion Ratio Lower Upper
56 100
69 31.0 27.8 41.6
84 76.8 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 56.951 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 97 Resp: 363960
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 47.8 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 54.391 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

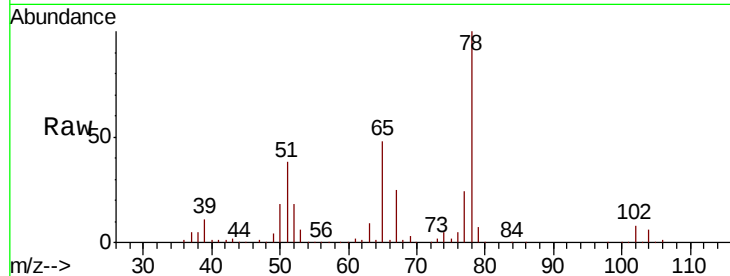
ClientSampleId :

Tot Ion: 65 Resp: 290276

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054839.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054839.D (-1852) (-)

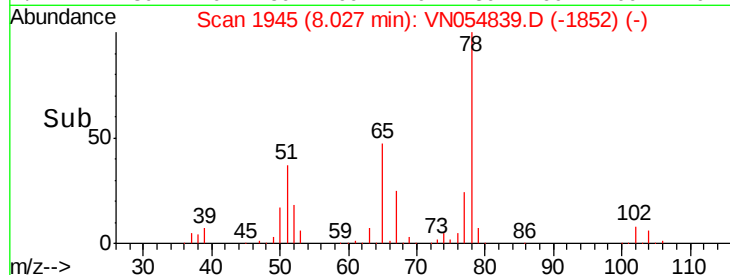
8.03

100000

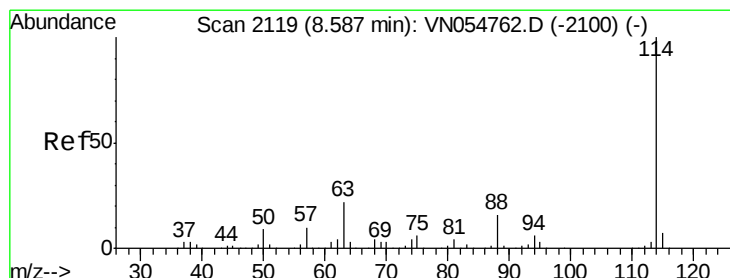
50000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

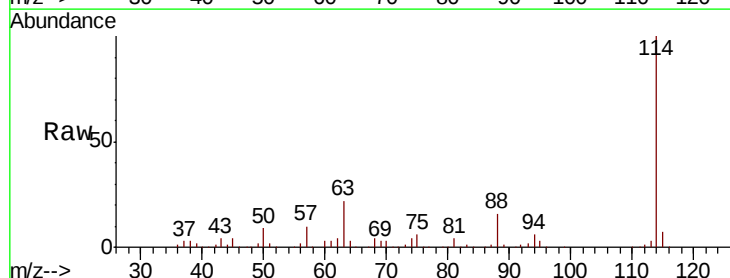
Tgt Ion: 114 Resp: 691689

Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.2

88 15.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054839.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054839.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054839.D (-2026) (-)

8.59

400000

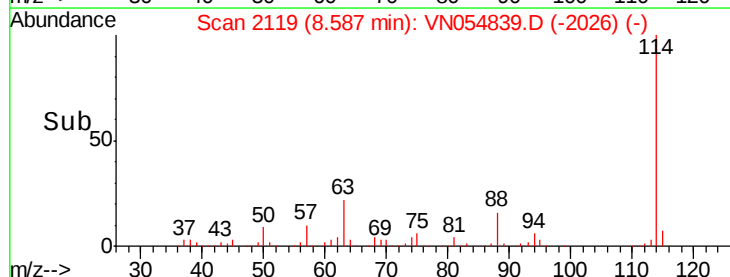
300000

200000

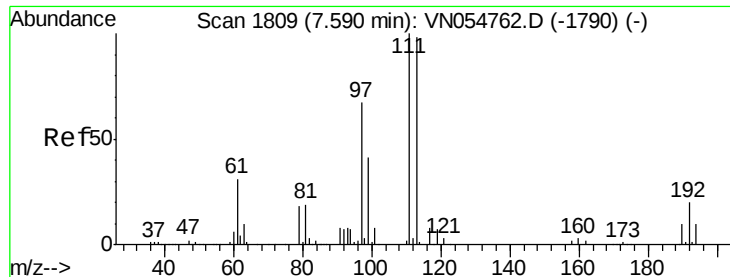
100000

0

Time-->



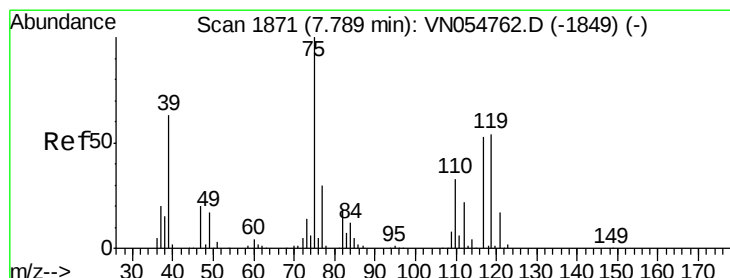
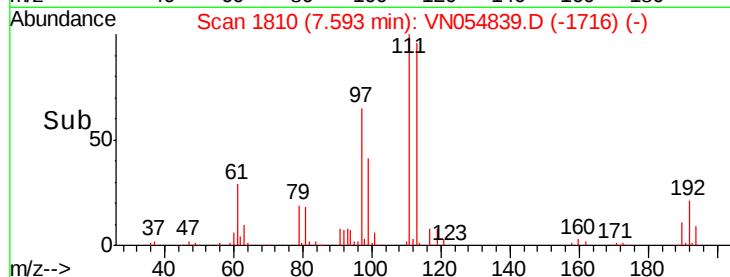
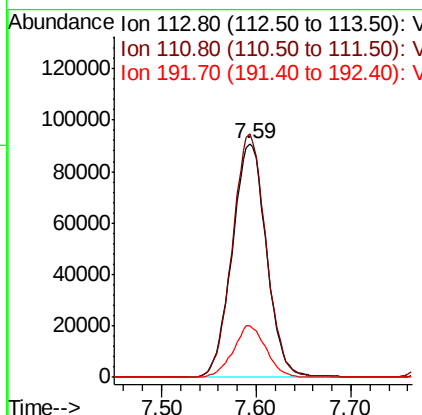
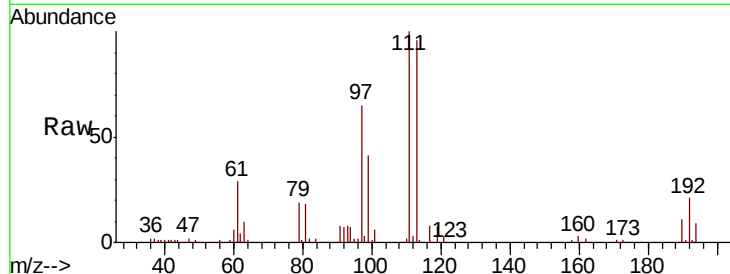
Time-->



#35
 Dibromofluoromethane
 Concen: 49.708 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

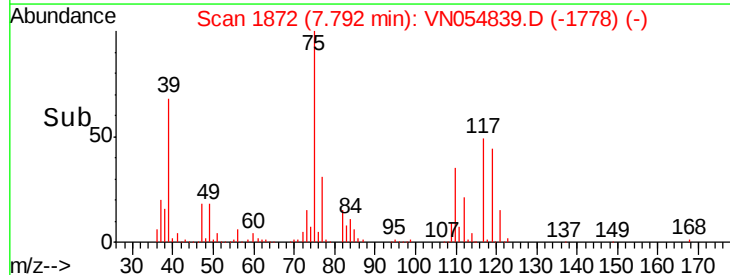
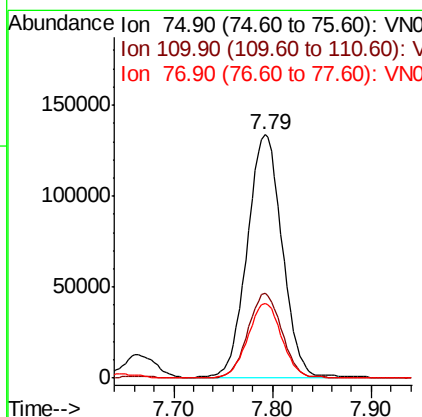
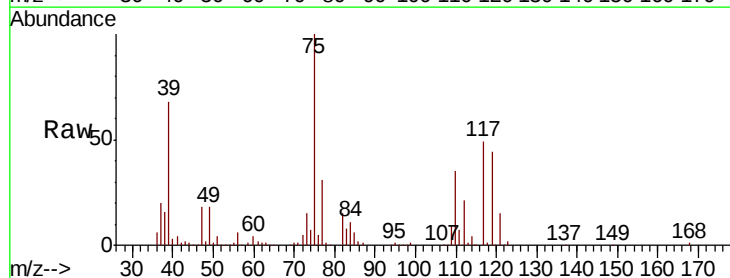
Instrument :
 MSVOA_N
 ClientSampleId :

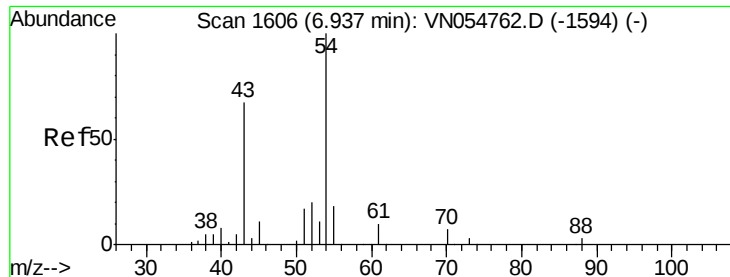
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 50.527 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.5
77	30.4	25.0	37.4

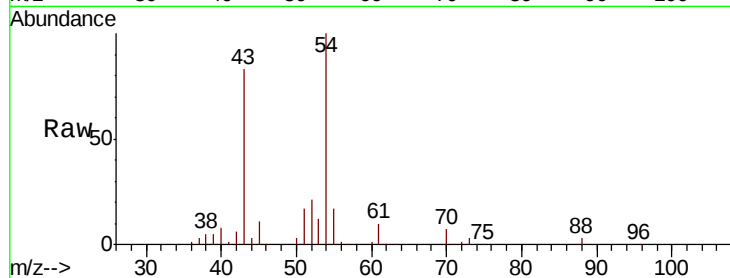




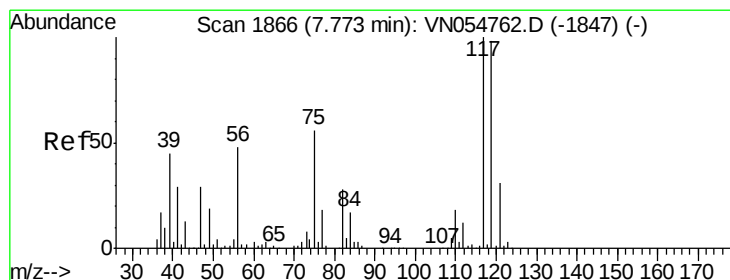
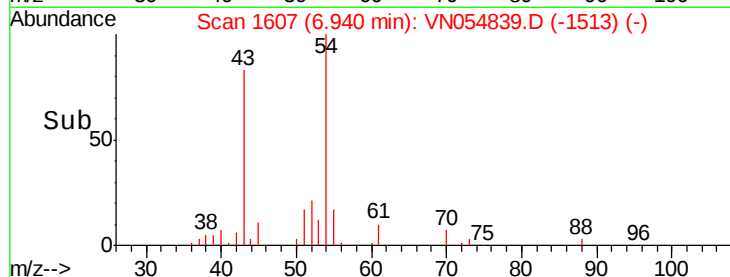
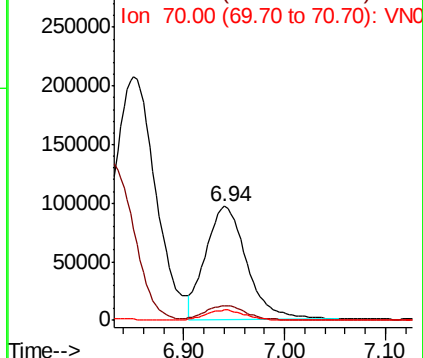
#37
Ethyl Acetate
Concen: 57.694 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 272686
Ion Ratio Lower Upper
43 100
61 13.3 11.8 17.6
70 9.0 8.4 12.6

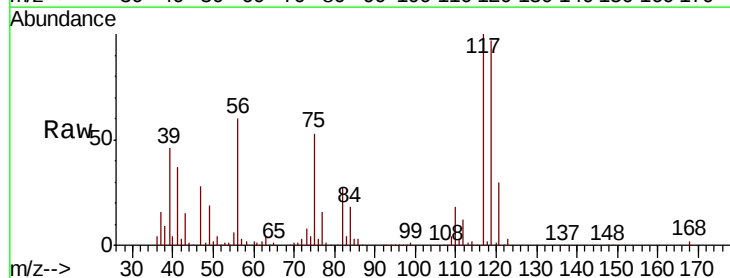


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

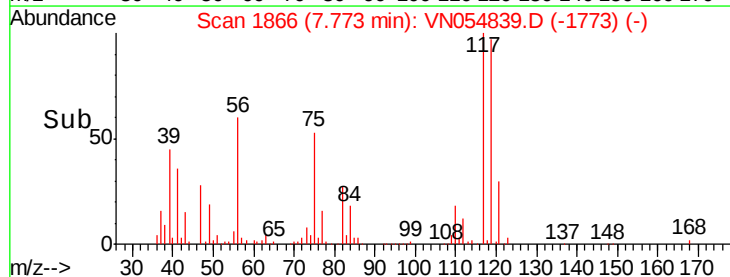
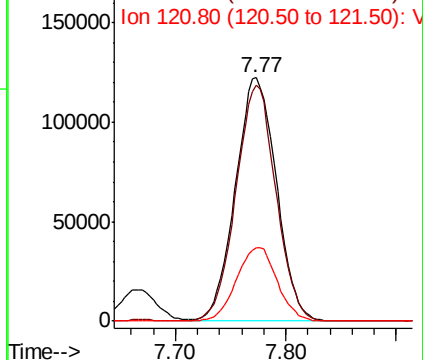


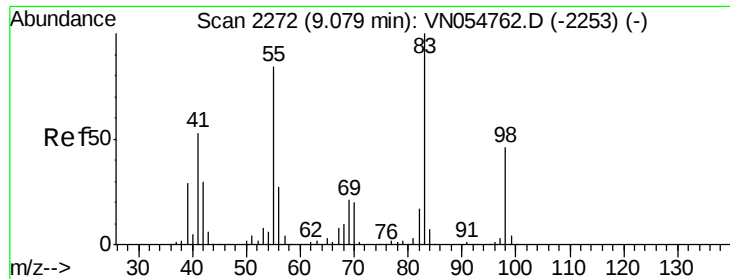
#38
Carbon Tetrachloride
Concen: 50.224 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 117 Resp: 314406
Ion Ratio Lower Upper
117 100
119 96.6 76.3 114.5
121 30.1 24.6 36.8



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

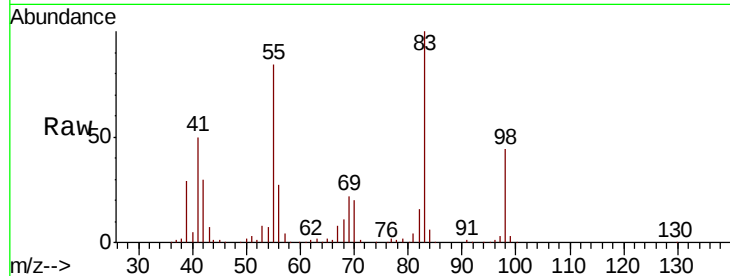




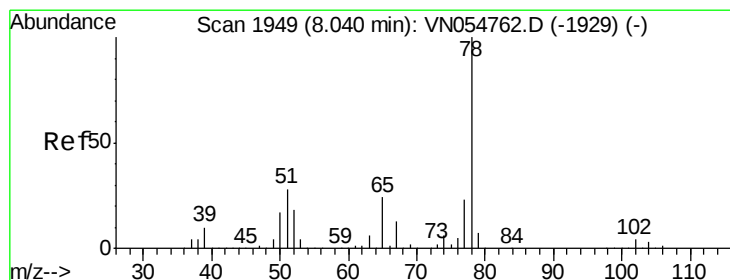
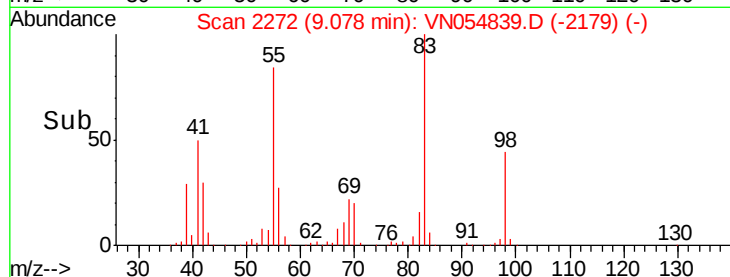
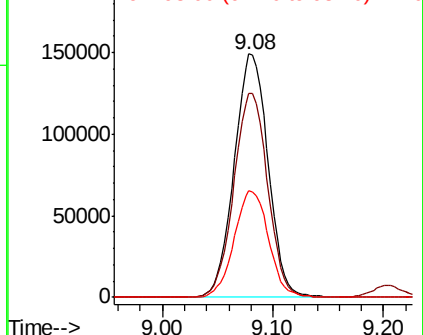
#39
Methvlcvclohexane
Concen: 44.797 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 317423
Ion Ratio Lower Upper
83 100
55 83.7 56.6 84.8
98 43.9 38.4 57.6

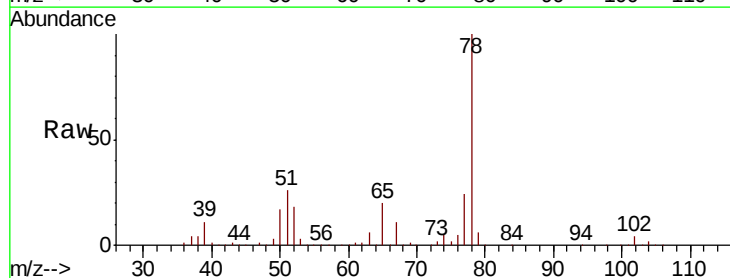


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

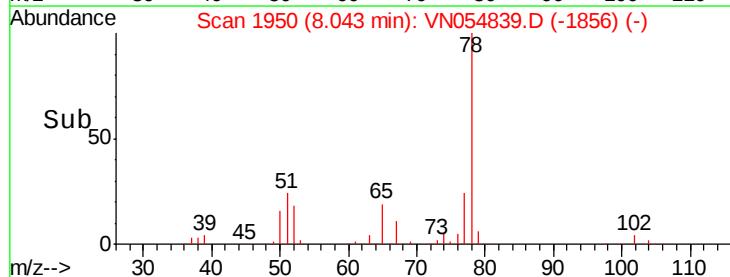
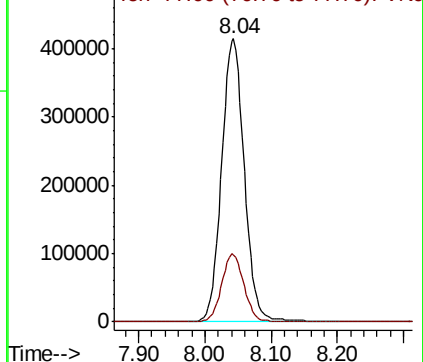


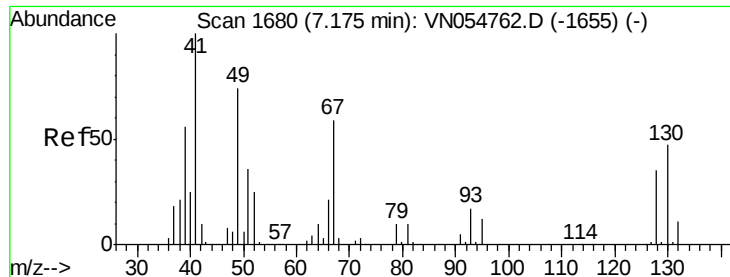
#40
Benzene
Concen: 53.413 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 78 Resp: 985061
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7



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

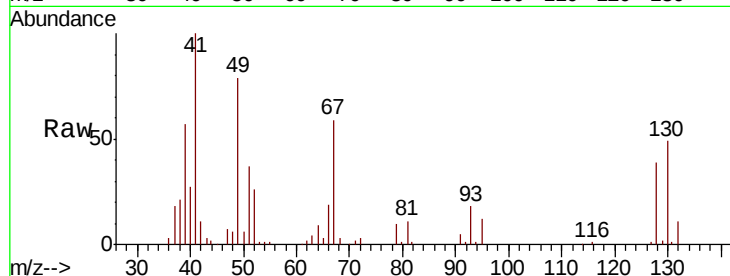




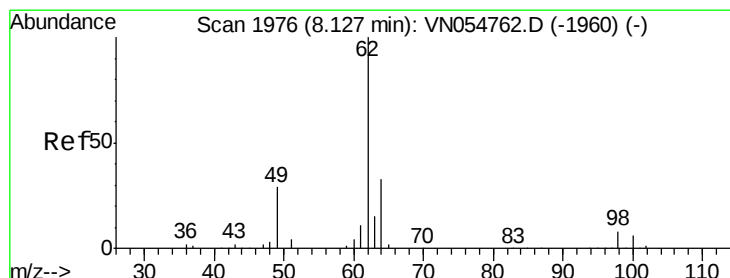
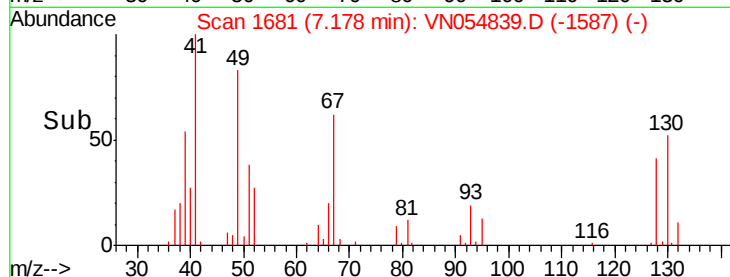
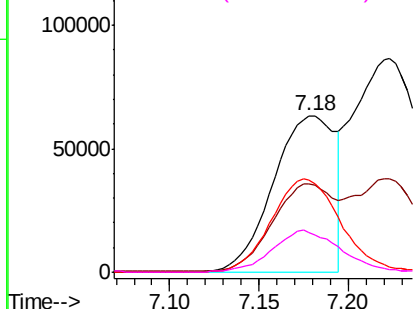
#41
Methacrylonitrile
Concen: 57.303 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 152143
Ion Ratio Lower Upper
41 100
39 55.4 46.8 70.2
67 67.0 67.0 100.4
52 30.4 26.5 39.7

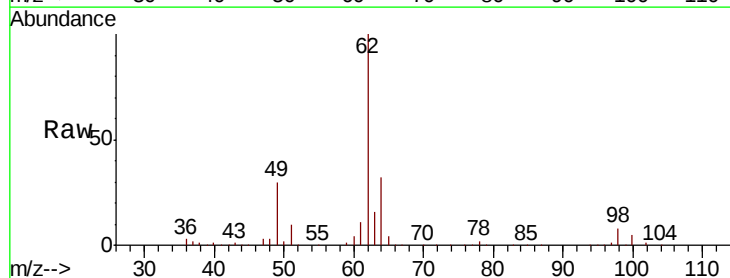


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

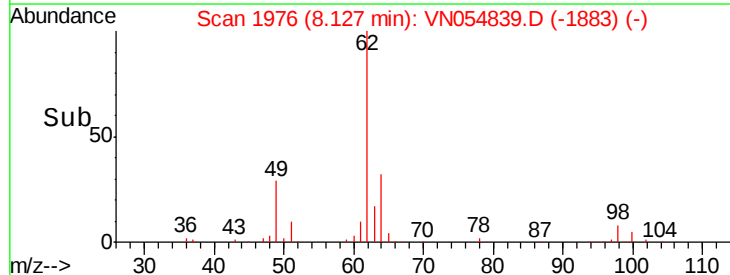
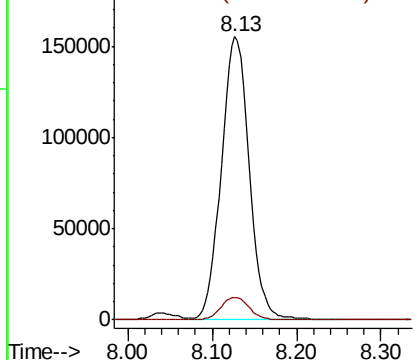


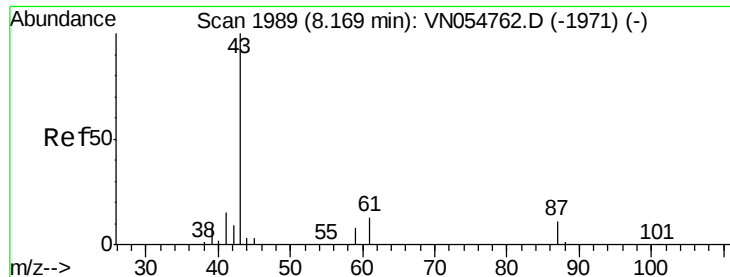
#42
1,2-Dichloroethane
Concen: 53.976 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 62 Resp: 355433
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 59.845 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampled :

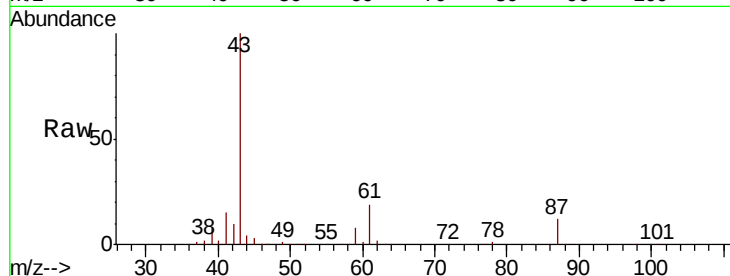
Tot Ion: 43 Resp: 459593

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.8

87 11.4 12.0 18.0#

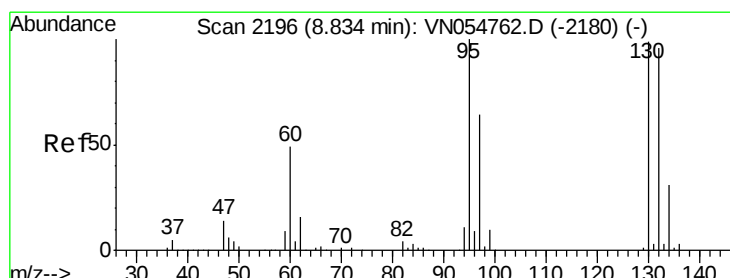
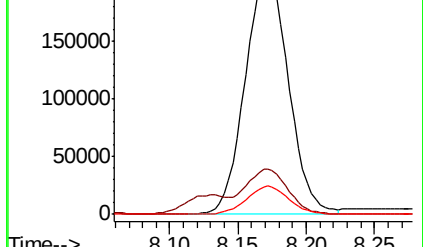
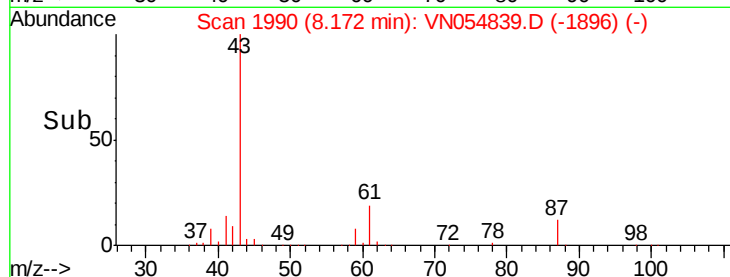


Abundance Ion 43.00 (42.70 to 43.70): VN054839.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054839.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054839.D (-1990) (-)

Time-->



#44

Trichloroethene

Concen: 51.658 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054839.D

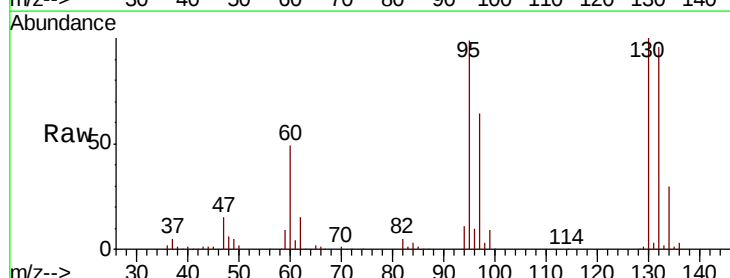
Acq: 31 Mar 2019 8:23

Tgt Ion:130 Resp: 247308

Ion Ratio Lower Upper

130 100

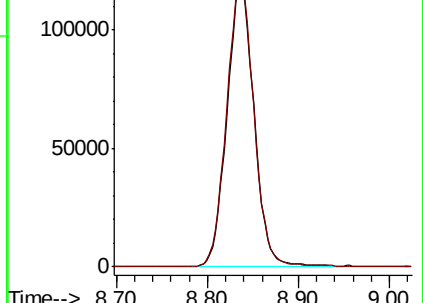
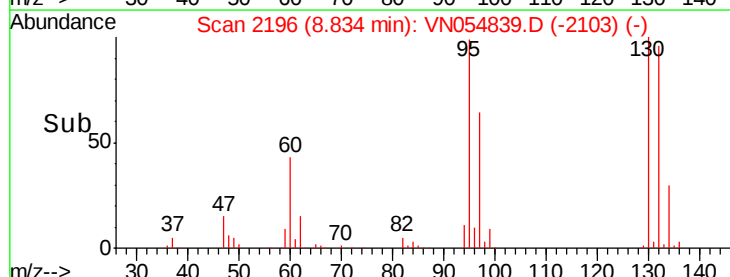
95 99.1 0.0 185.2

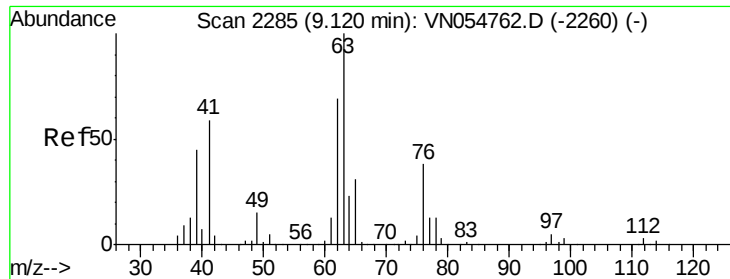


Abundance Ion 129.80 (129.50 to 130.50): VN054839.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054839.D (-2196) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 52.513 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

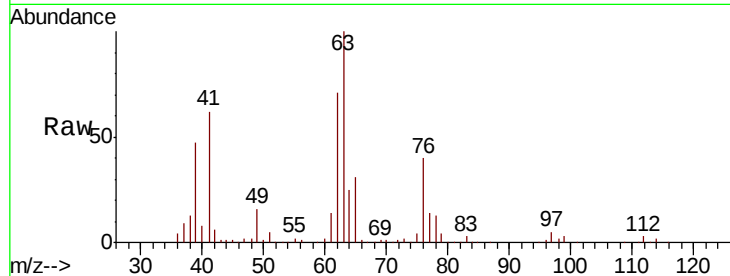
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 276146

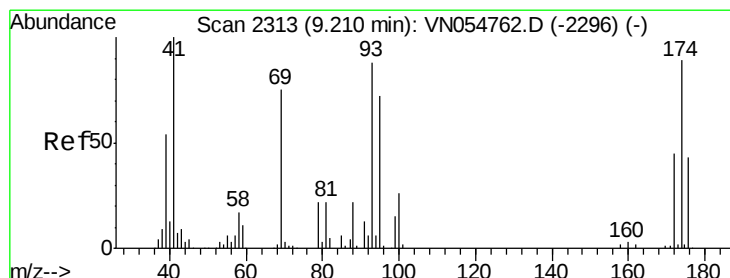
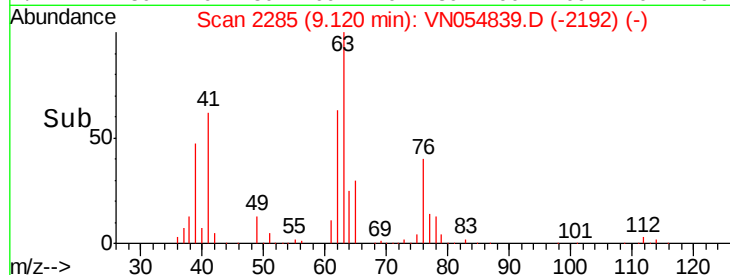
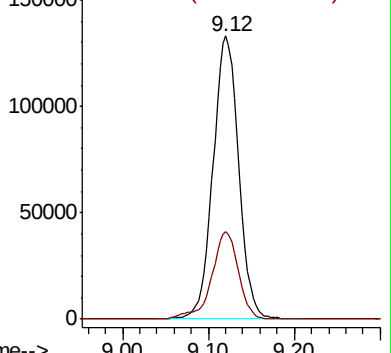
Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.770 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

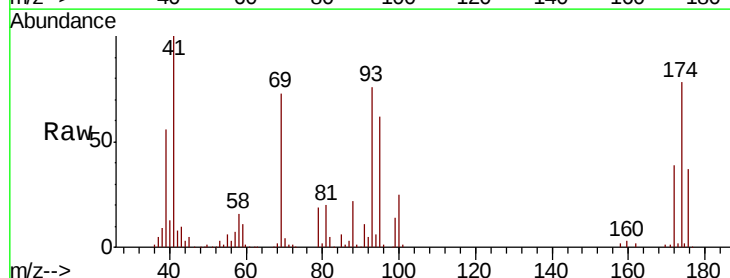
Tgt Ion: 93 Resp: 159062

Ion Ratio Lower Upper

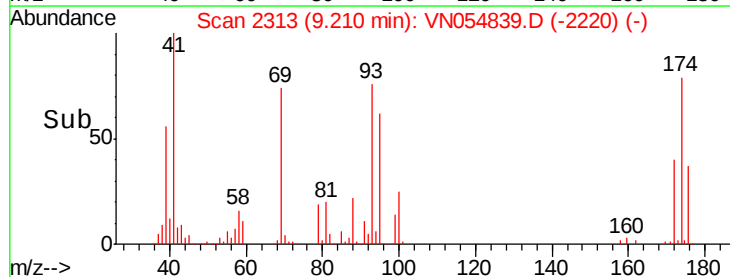
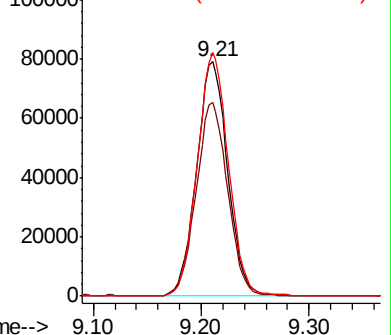
93 100

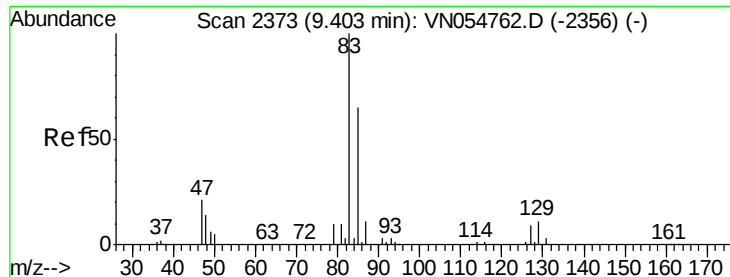
95 83.5 66.7 100.1

174 104.1 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.028 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

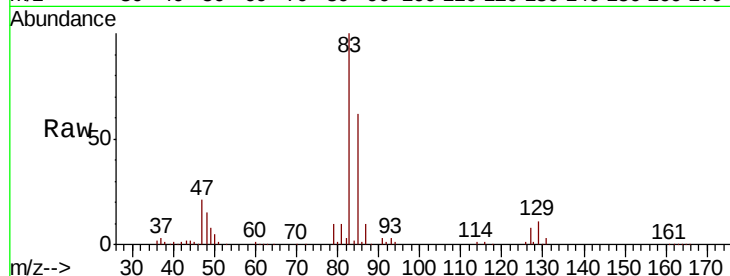
Tot Ion: 83 Resp: 338308

Ion Ratio Lower Upper

83 100

85 61.9 52.8 79.2

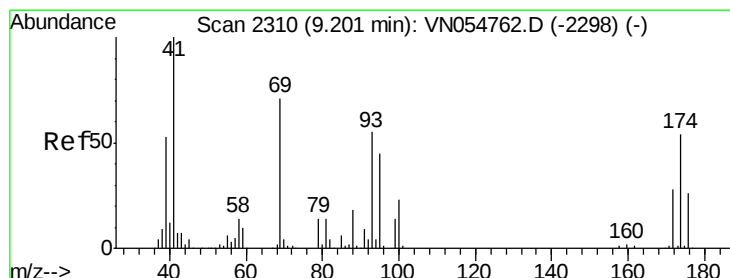
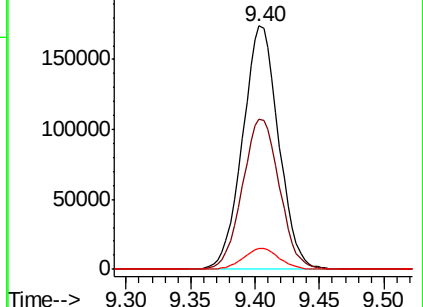
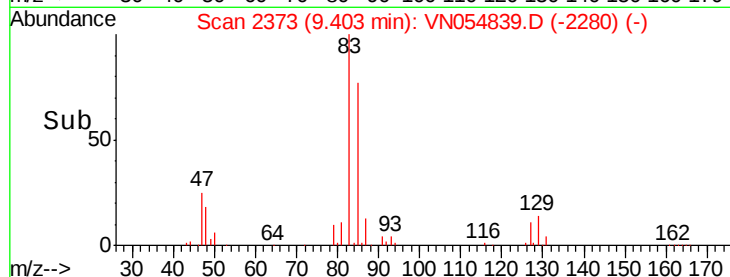
127 8.5 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054839.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054839.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054839.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.270 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

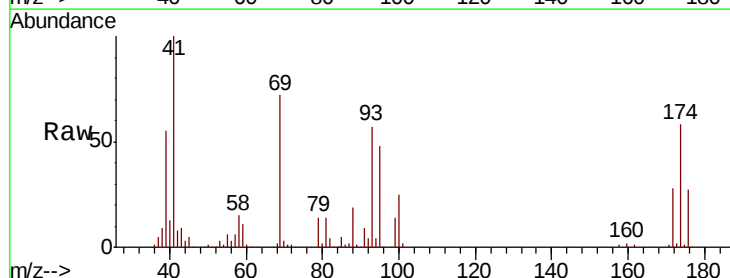
Tgt Ion: 41 Resp: 234253

Ion Ratio Lower Upper

41 100

69 72.3 72.6 108.8#

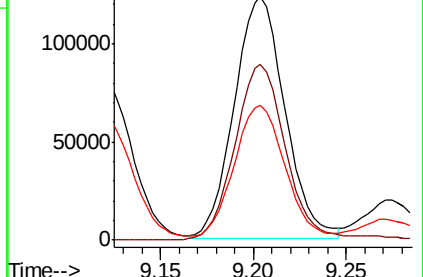
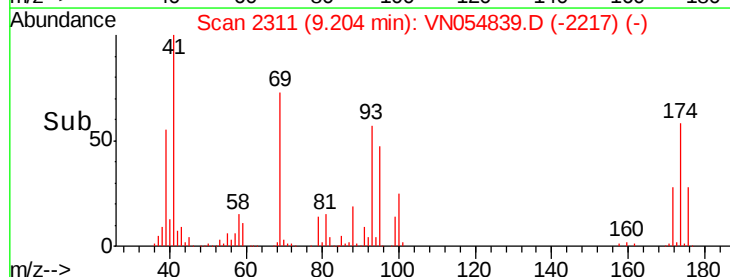
39 55.9 47.5 71.3

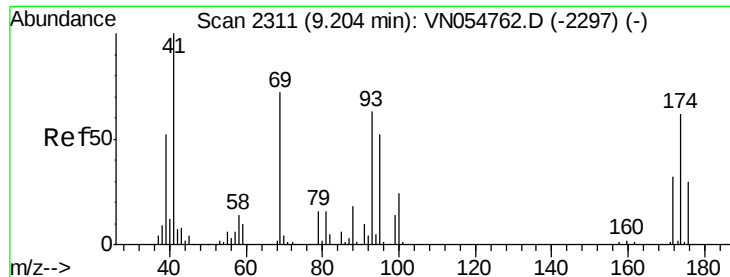


Abundance Ion 41.00 (40.70 to 41.70): VN054839.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054839.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054839.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1234.238 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampled :

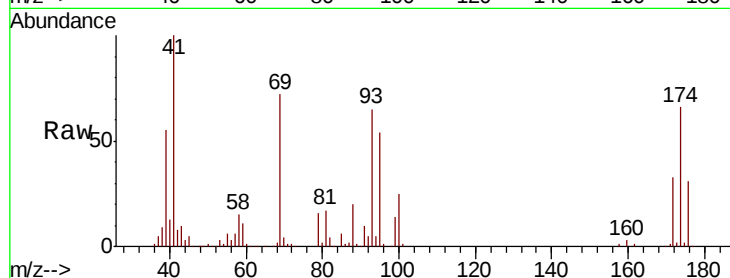
Tot Ion: 88 Resp: 50982

Ion Ratio Lower Upper

88 100

43 42.0 24.1 36.1#

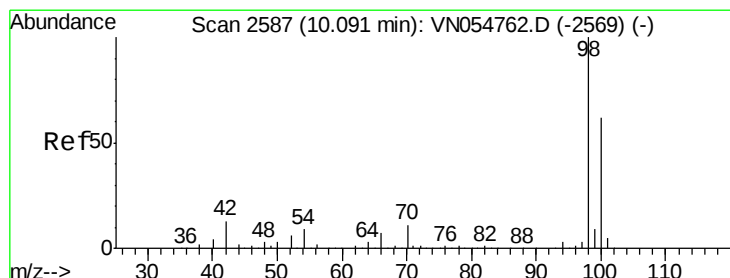
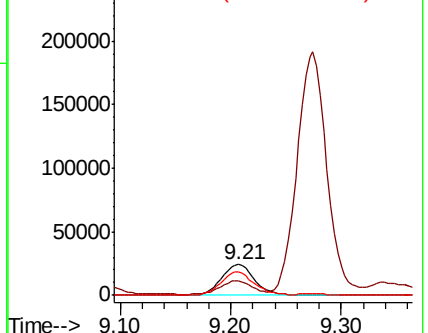
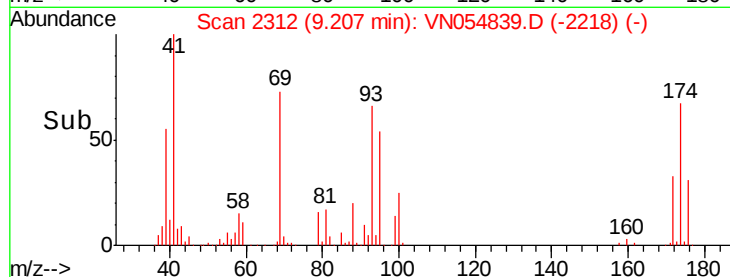
58 74.9 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054839.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN054839.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN054839.D (-2218) (-)



#50

Toluene-d8

Concen: 49.316 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054839.D

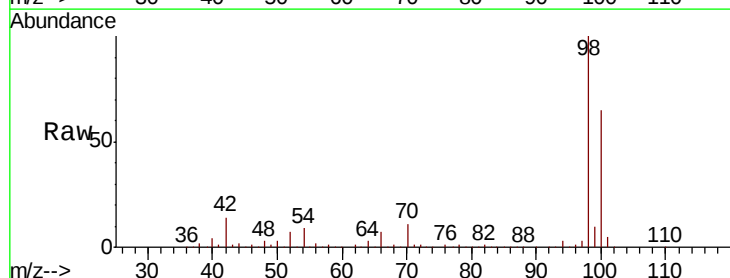
Acq: 31 Mar 2019 8:23

Tgt Ion: 98 Resp: 845494

Ion Ratio Lower Upper

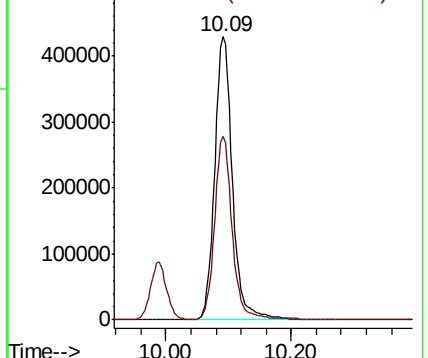
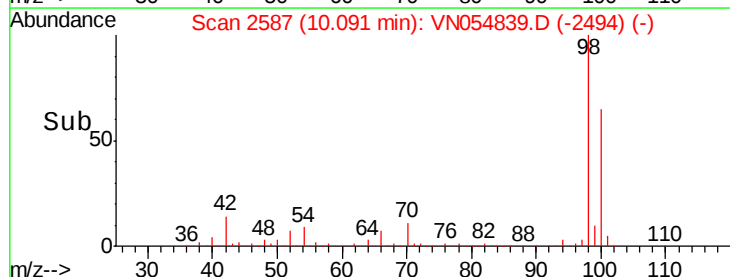
98 100

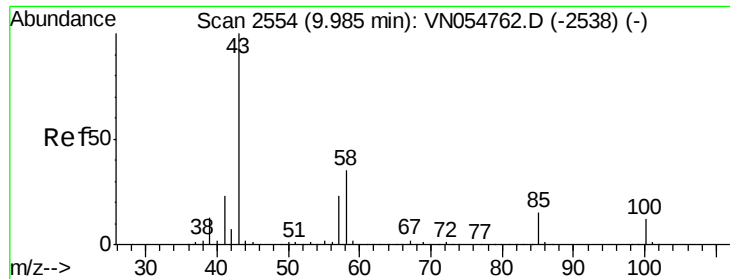
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054839.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054839.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 308.978 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

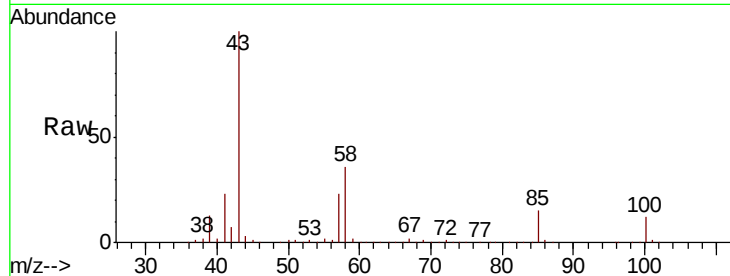
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1334095

Ion Ratio Lower Upper

43 100

58 35.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

800000

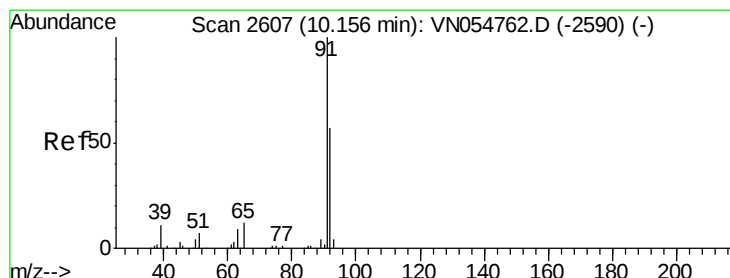
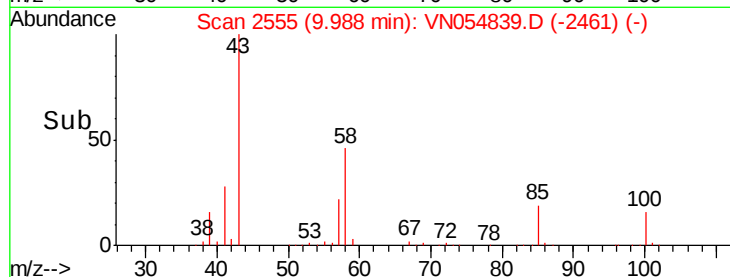
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.183 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054839.D

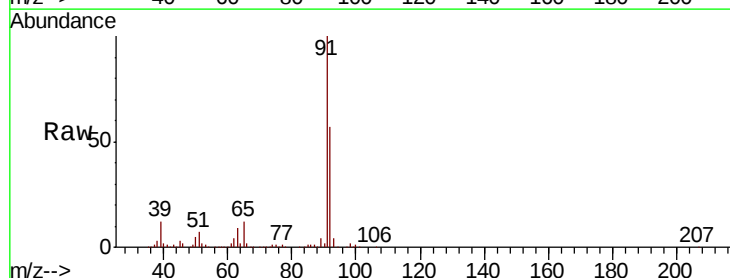
Acq: 31 Mar 2019 8:23

Tgt Ion: 92 Resp: 583621

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

600000

500000

400000

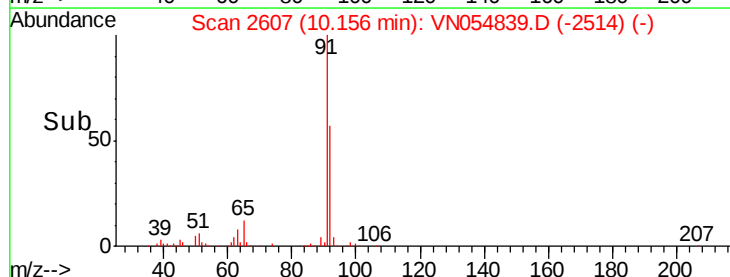
300000

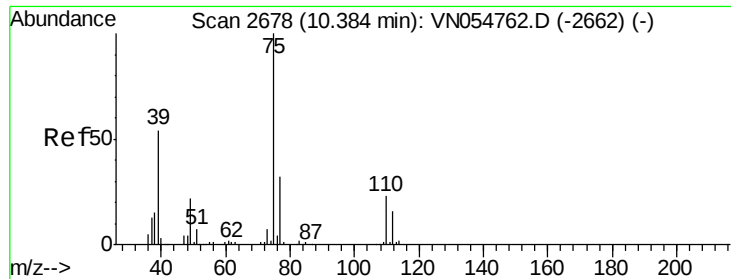
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.471 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

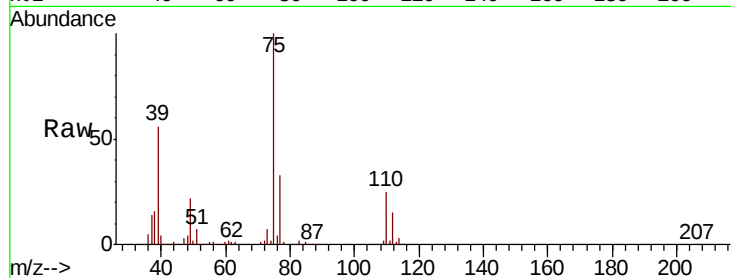
ClientSampleId :

Tot Ion: 75 Resp: 286104

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

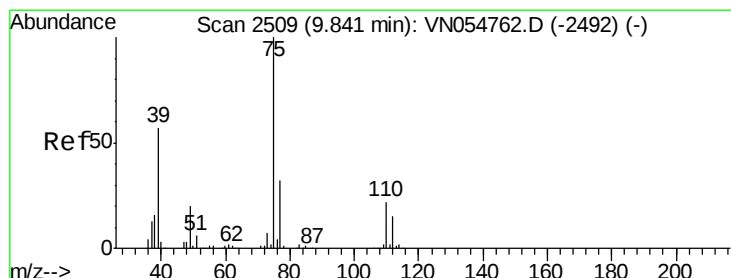
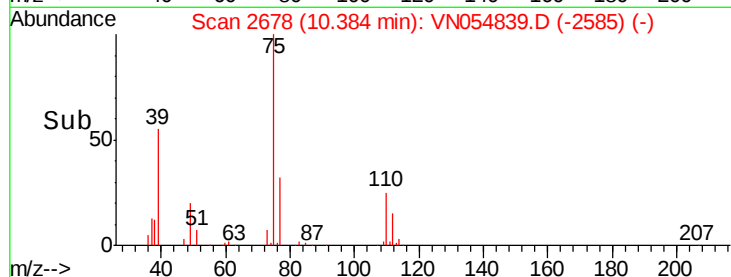
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.367 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

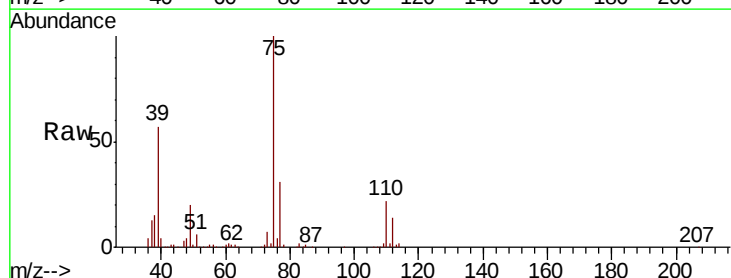
Tgt Ion: 75 Resp: 347954

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 56.9 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

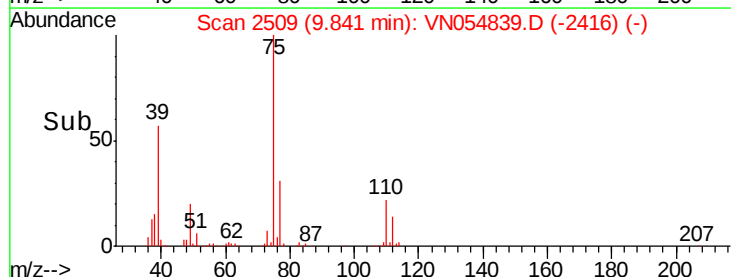
150000

100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 54.832 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 223740

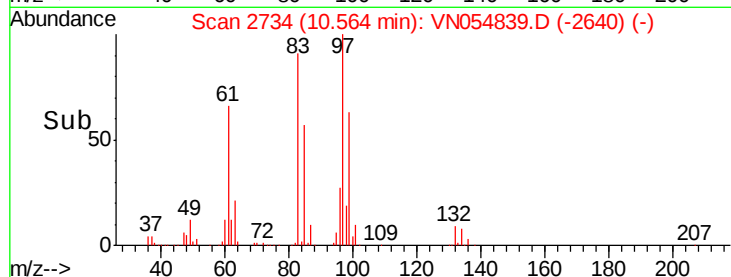
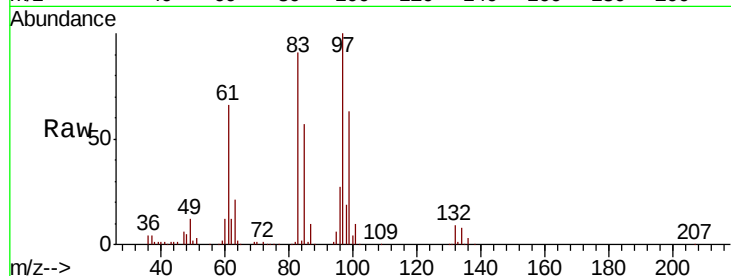
Ion	Ratio	Lower	Upper
97	100		
83	90.5	66.6	100.0
85	56.5	44.4	66.6
99	63.2	50.8	76.2

97 100

83 90.5 66.6 100.0

85 56.5 44.4 66.6

99 63.2 50.8 76.2

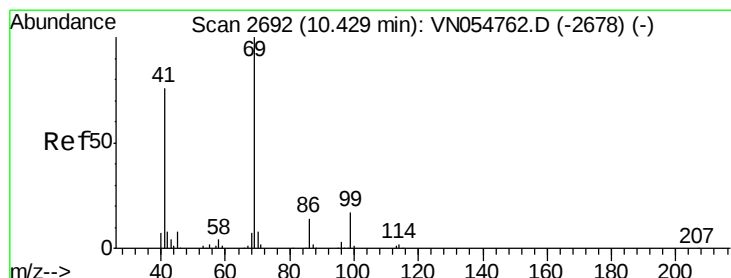
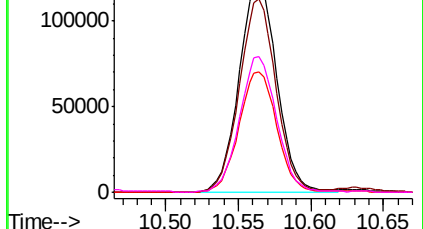


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.910 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

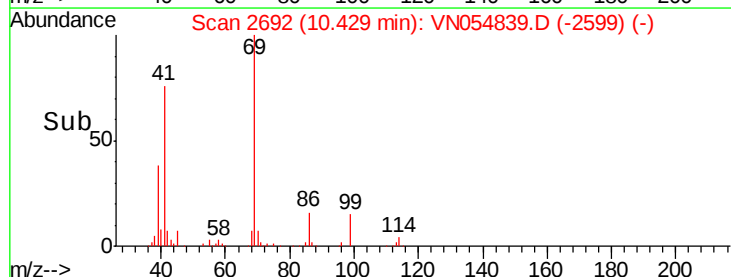
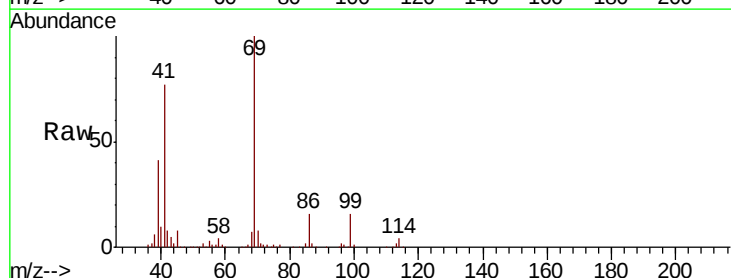
Tgt Ion: 69 Resp: 309977

Ion	Ratio	Lower	Upper
69	100		
41	76.9	49.4	74.2#
39	39.5	28.3	42.5

69 100

41 76.9 49.4 74.2#

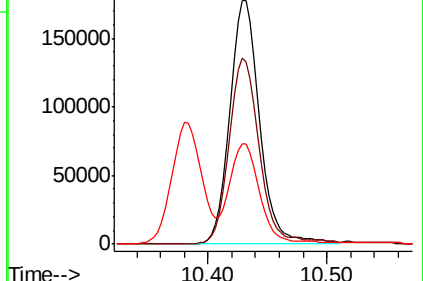
39 39.5 28.3 42.5

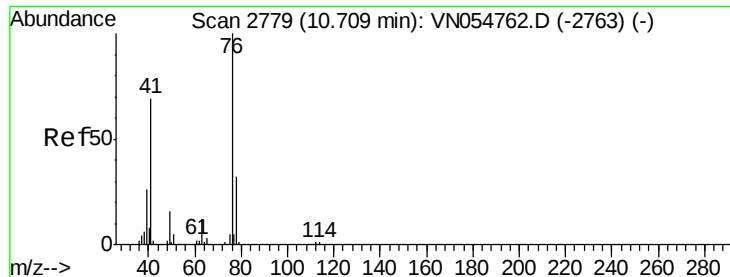


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.773 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

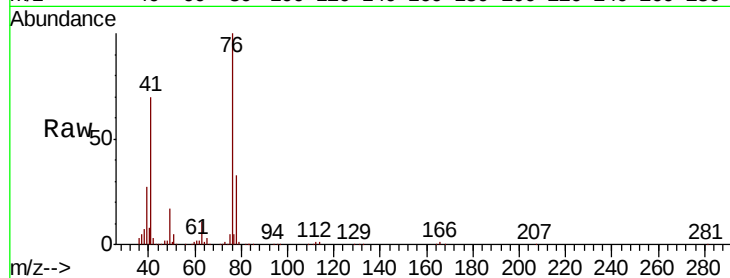
ClientSampled :

Tot Ion: 76 Resp: 384245

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

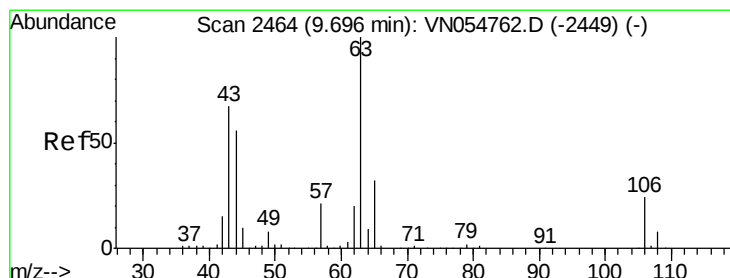
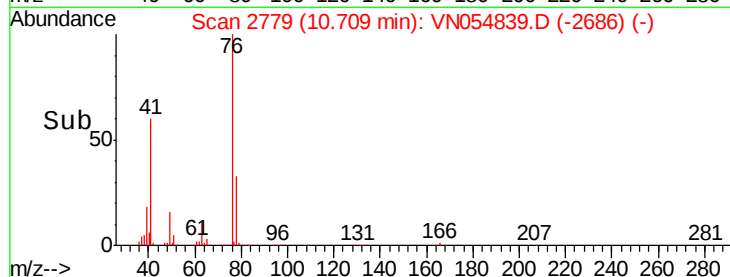
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.890 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054839.D

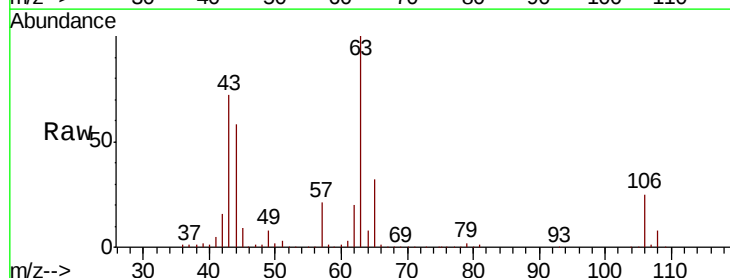
Acq: 31 Mar 2019 8:23

Tgt Ion: 63 Resp: 585794

Ion Ratio Lower Upper

63 100

106 24.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

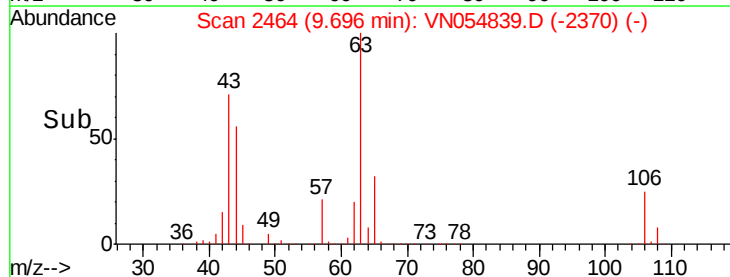
300000

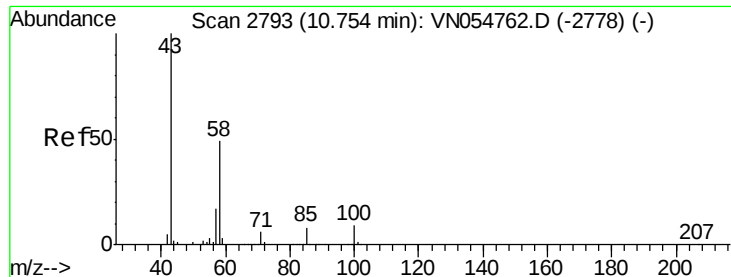
200000

100000

0

Time-->

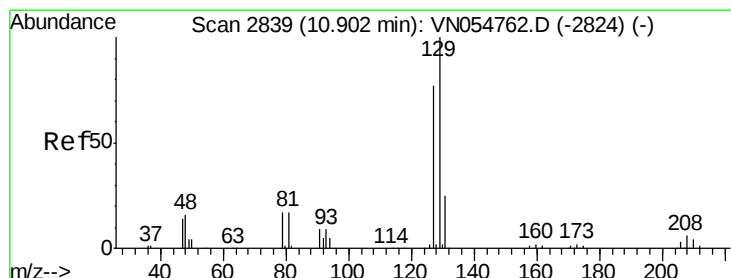
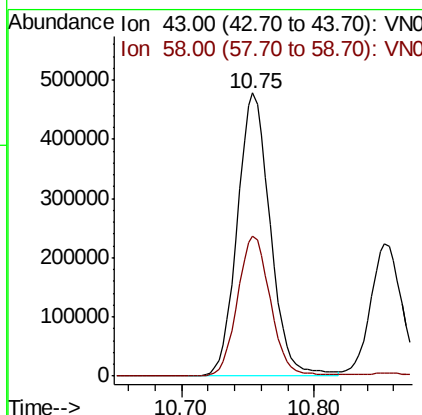
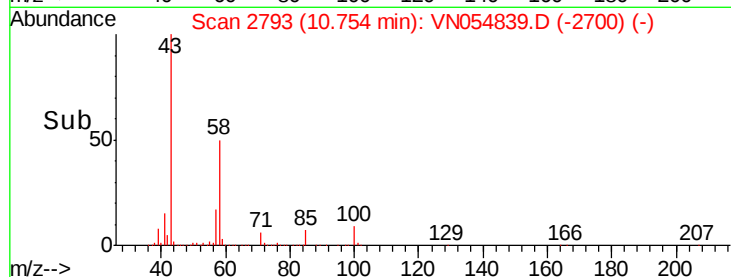
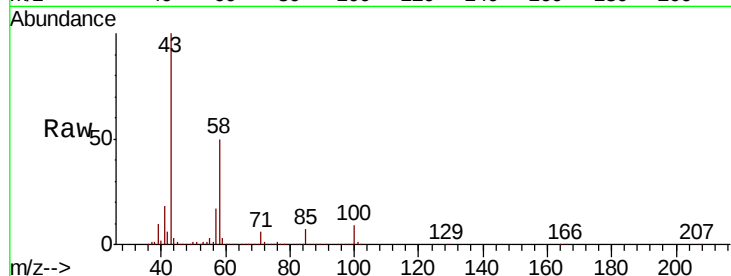




#59
2-Hexanone
Concen: 297.555 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

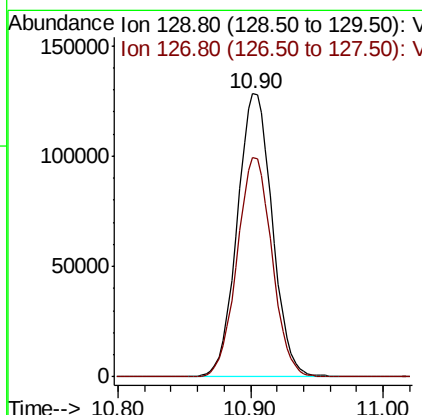
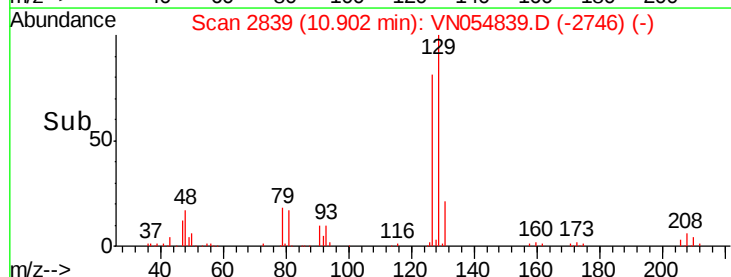
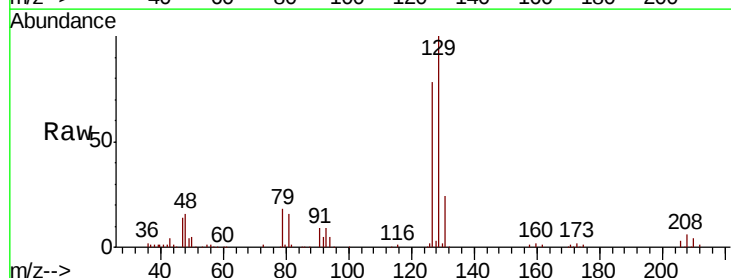
Instrument :
MSVOA_N
ClientSampleId :

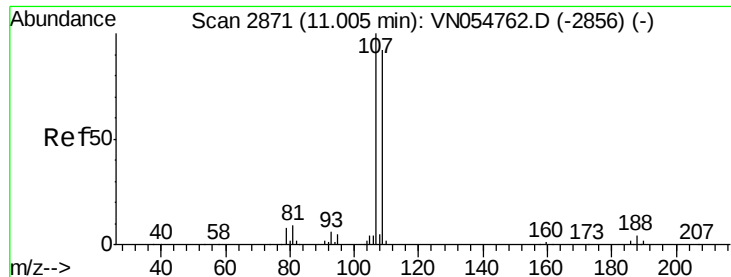
Tot Ion: 43 Resp: 822461
Ion Ratio Lower Upper
43 100
58 49.9 28.0 83.9



#60
Dibromochloromethane
Concen: 56.950 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 129 Resp: 235397
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

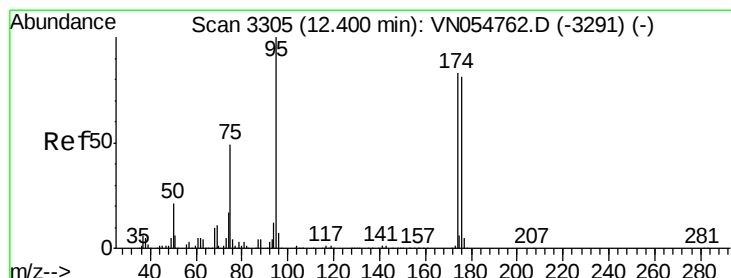
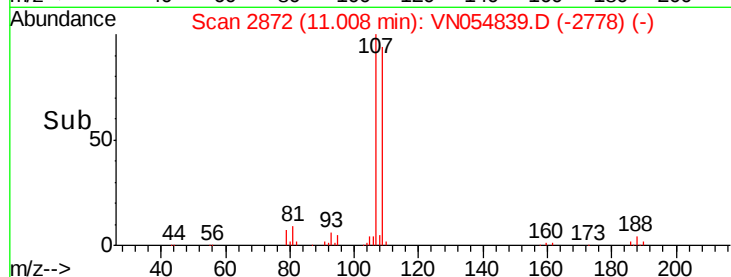
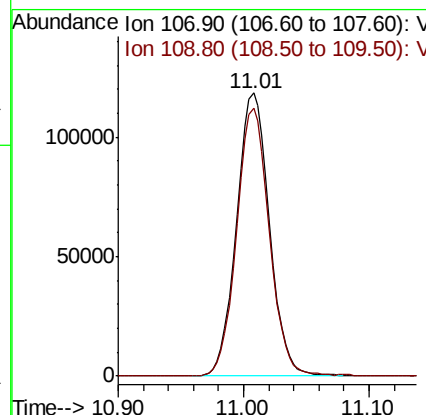
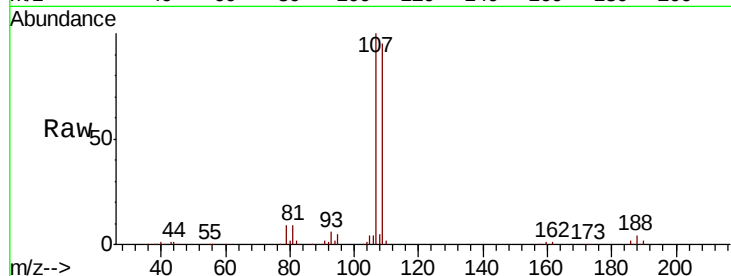




#61
 1,2-Dibromoethane
 Concen: 55.335 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

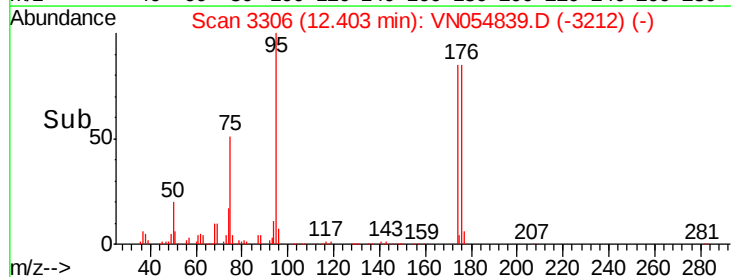
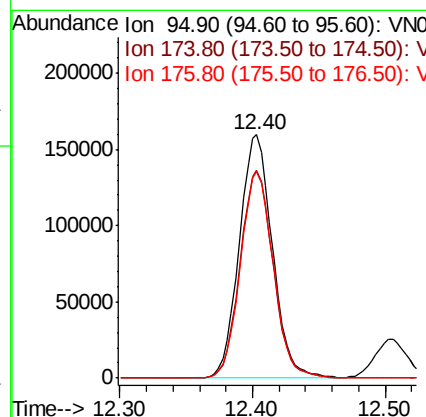
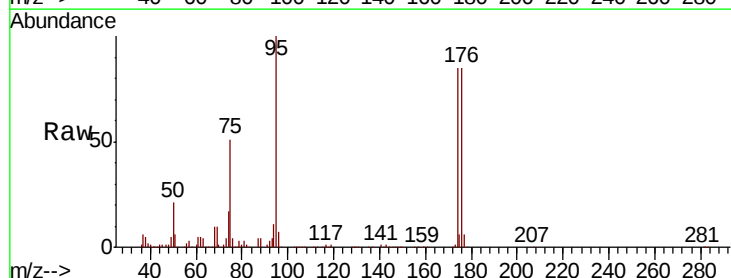
Instrument :
 MSVOA_N
 ClientSampled :

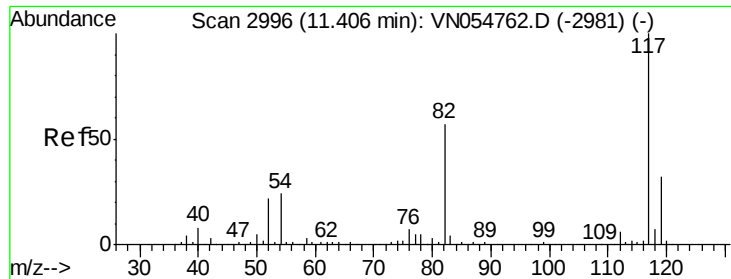
Tot Ion: 107 Resp: 215781
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.645 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 95 Resp: 277363
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 191.0
 176 84.2 0.0 187.4

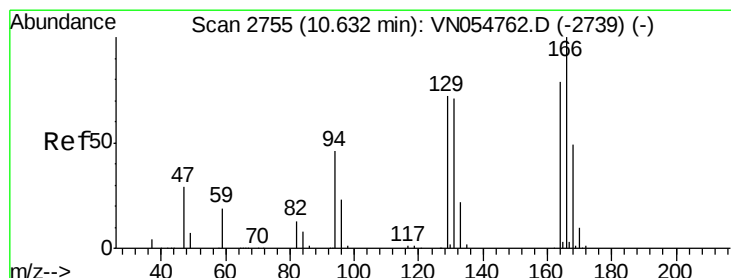
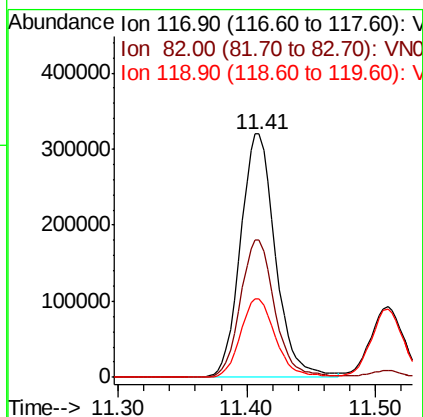
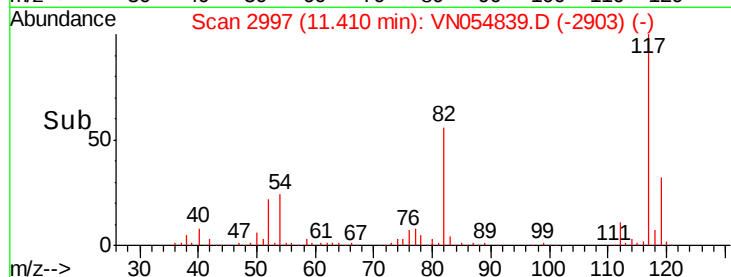
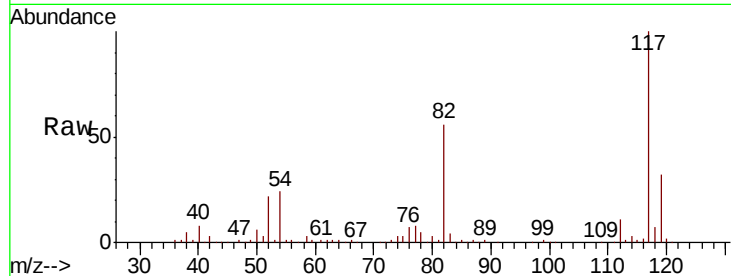




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

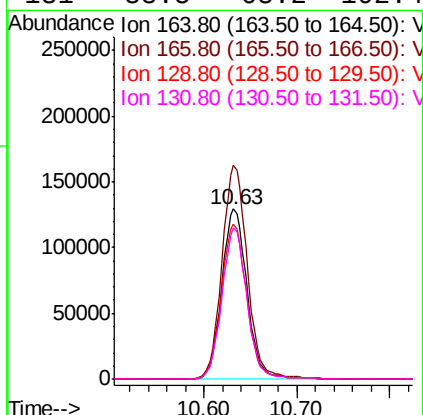
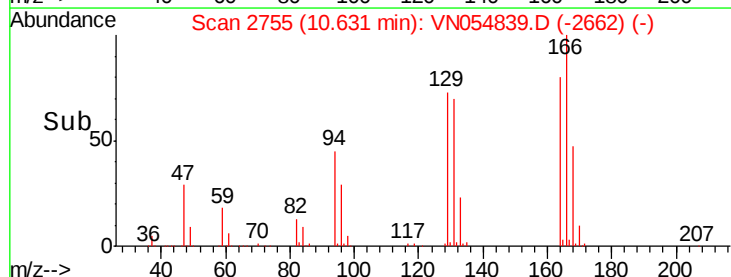
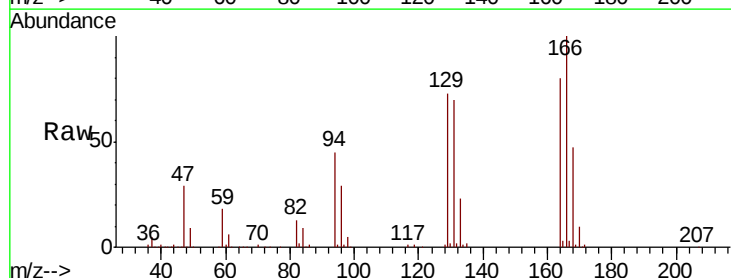
Instrument :
MSVOA_N
ClientSampleId :

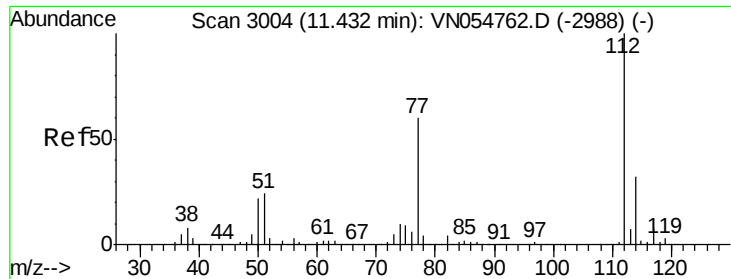
Tot Ion:117 Resp: 600608
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 53.028 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion:164 Resp: 244402
Ion Ratio Lower Upper
164 100
166 125.6 103.9 155.9
129 91.2 71.1 106.7
131 88.5 68.2 102.4

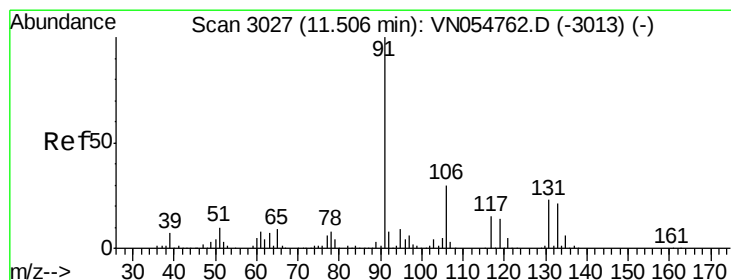
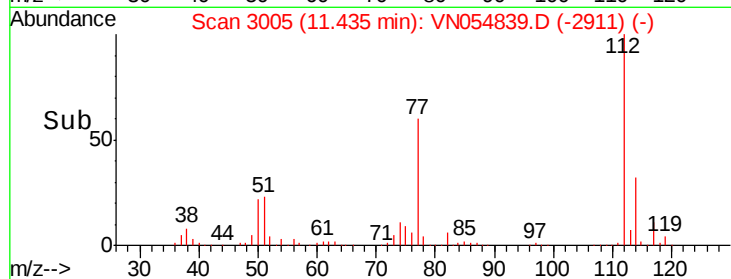
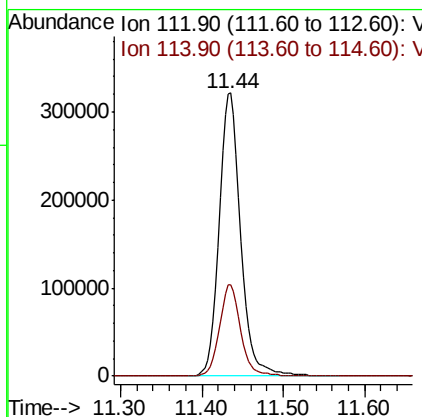
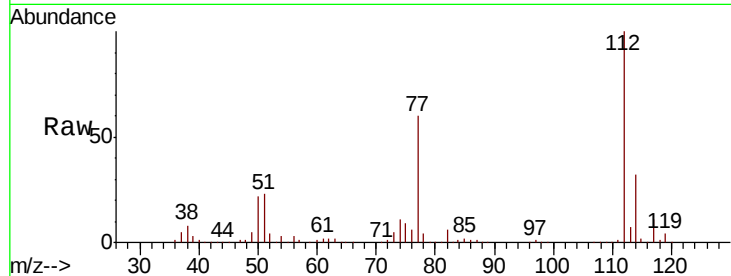




#65
Chlorobenzene
Concen: 50.990 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

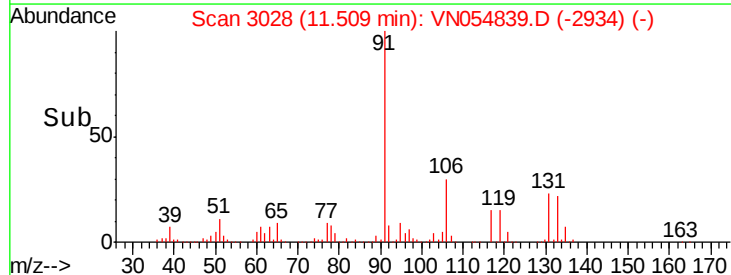
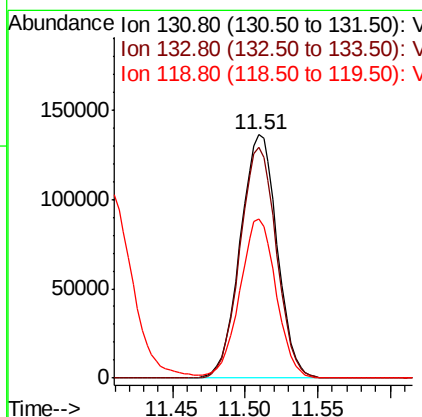
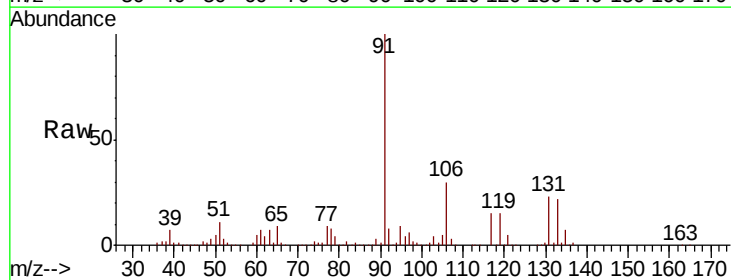
Instrument :
MSVOA_N
ClientSampled :

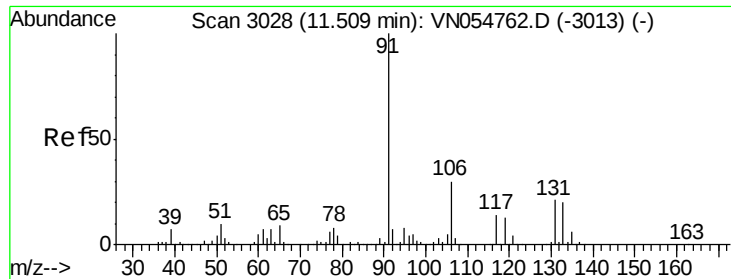
Tot Ion:112 Resp: 599605
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.507 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion:131 Resp: 239911
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 64.8 32.4 97.0

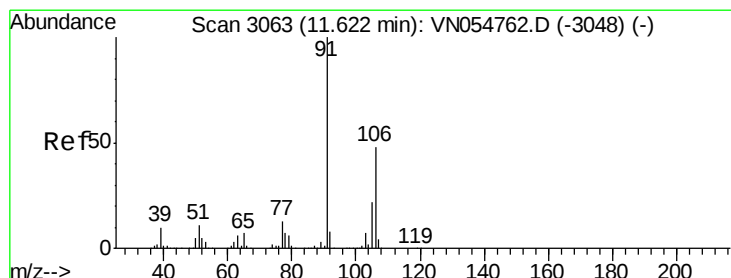
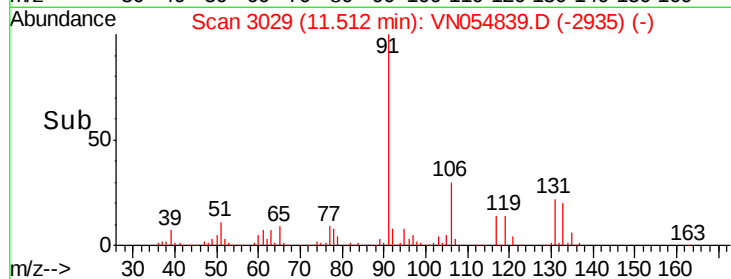
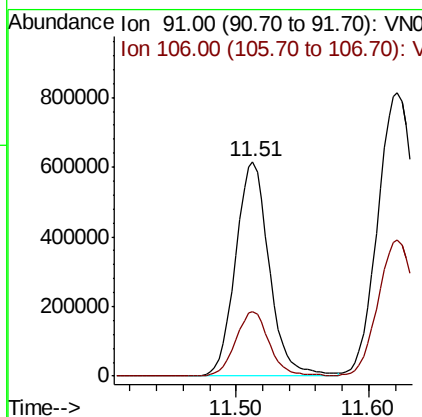
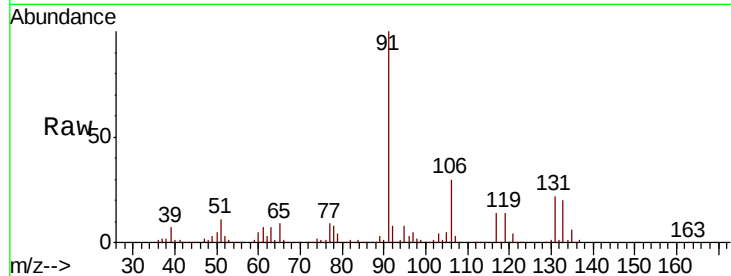




#67
Ethyl Benzene
Concen: 51.181 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

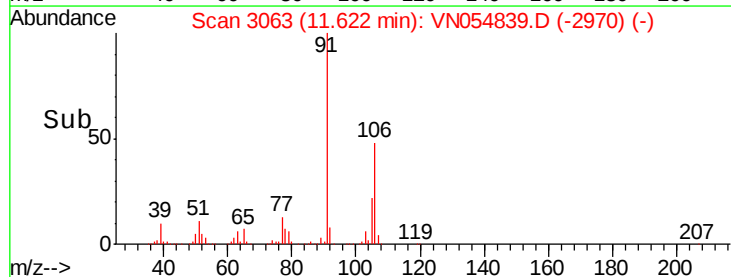
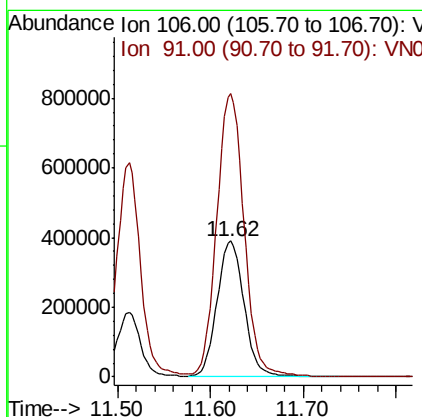
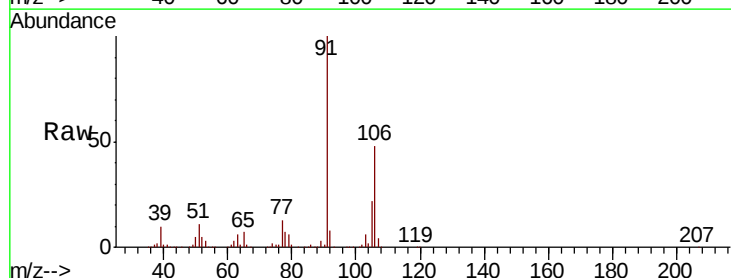
Instrument :
MSVOA_N
ClientSampled :

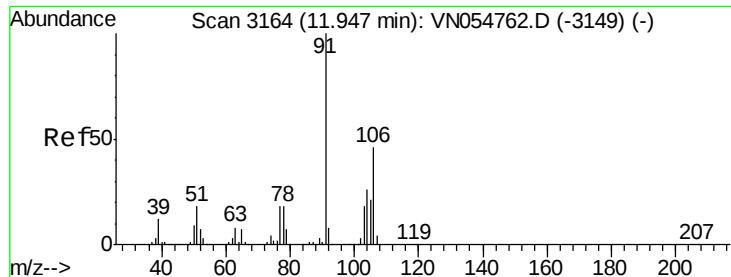
Tot Ion: 91 Resp: 1086058
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3



#68
m/p-Xylenes
Concen: 100.957 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion: 106 Resp: 792800
Ion Ratio Lower Upper
106 100
91 210.4 159.4 239.2

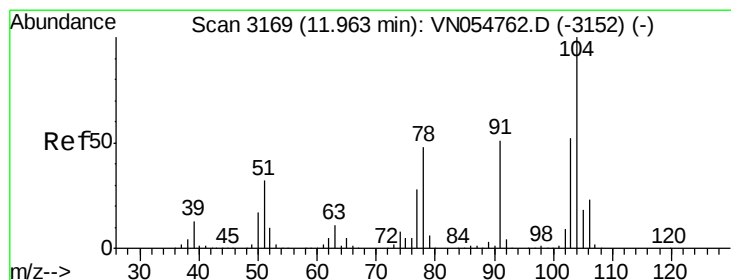
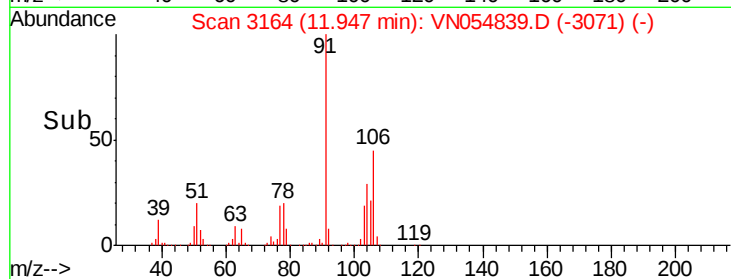
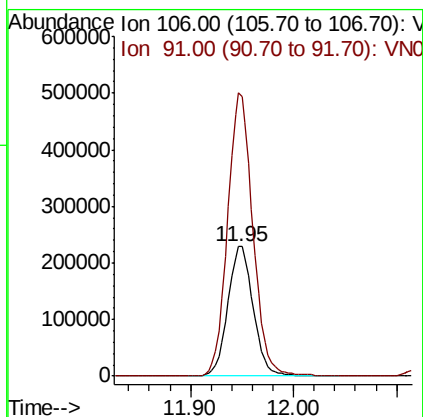
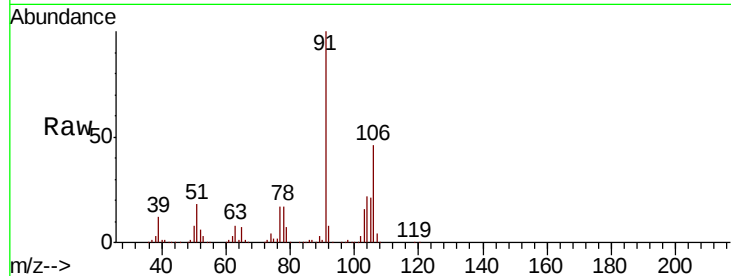




#69
o-Xylene
Concen: 51.178 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

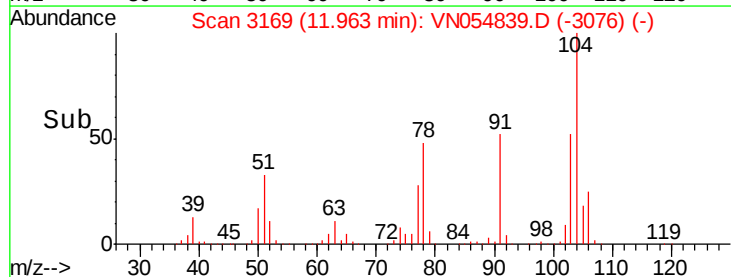
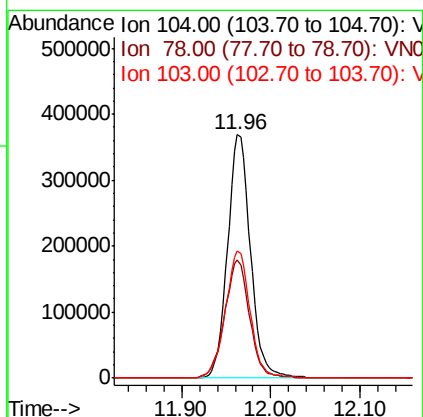
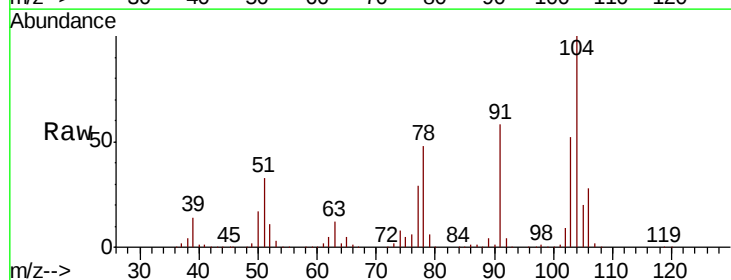
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 394094
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1



#70
Styrene
Concen: 53.382 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion:104 Resp: 657262
Ion Ratio Lower Upper
104 100
78 52.6 38.2 57.2
103 56.2 44.4 66.6





#71

Bromoform

Concen: 56.846 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampled :

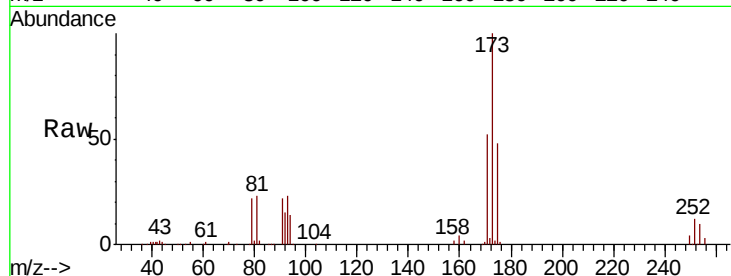
Tot Ion:173 Resp: 146580

Ion Ratio Lower Upper

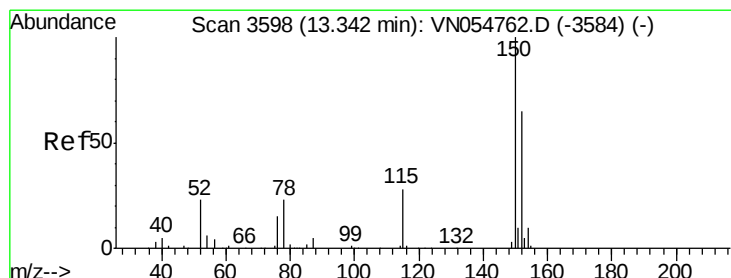
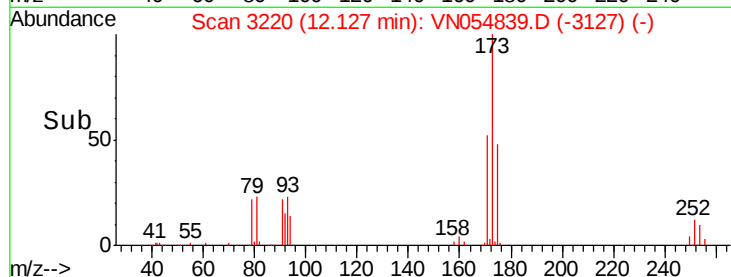
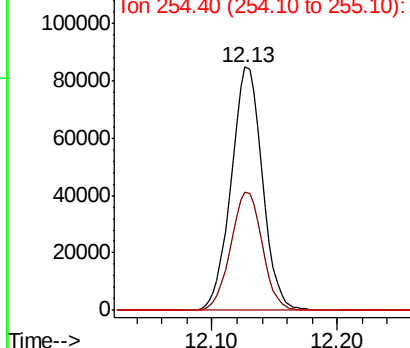
173 100

175 49.1 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

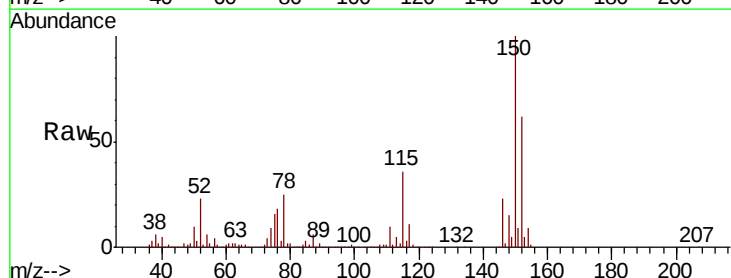
Tgt Ion:152 Resp: 258595

Ion Ratio Lower Upper

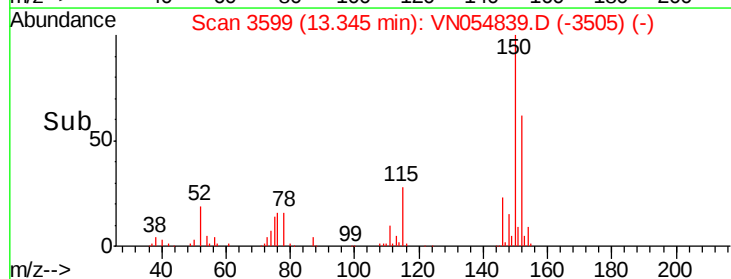
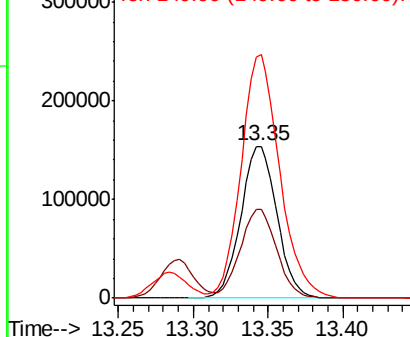
152 100

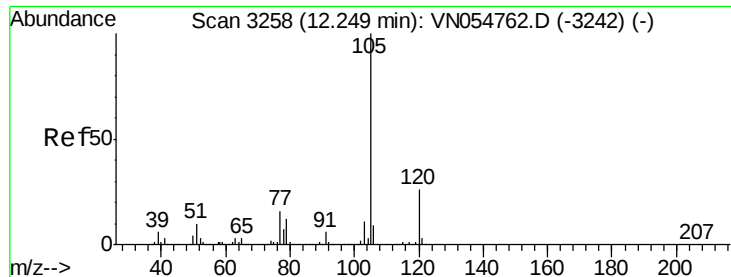
115 59.2 27.2 81.6

150 170.8 0.0 349.2



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: 48.651 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

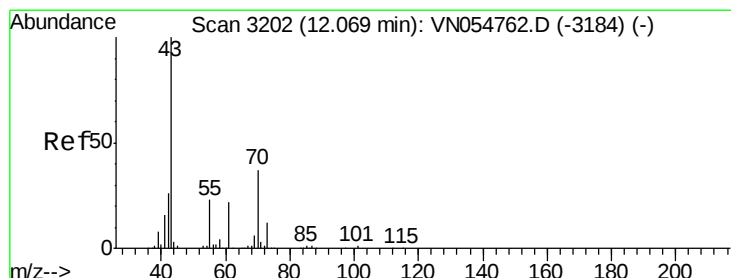
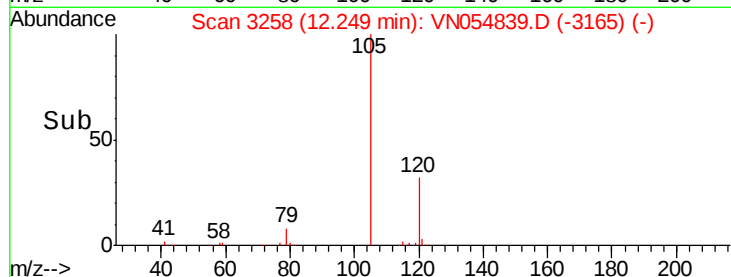
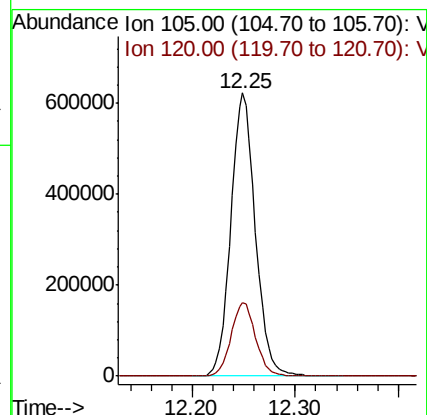
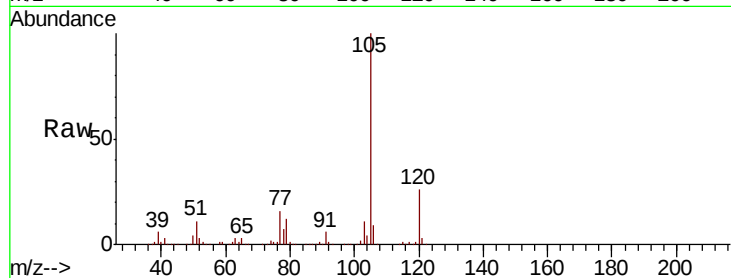
ClientSampleId :

Tot Ion:105 Resp: 1028312

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



#74

N-ethyl acetate

Concen: 55.427 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Tgt Ion: 43 Resp: 364984

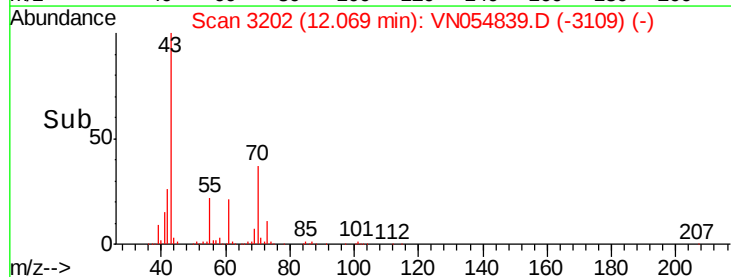
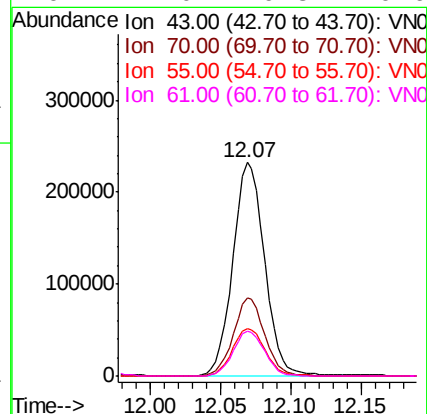
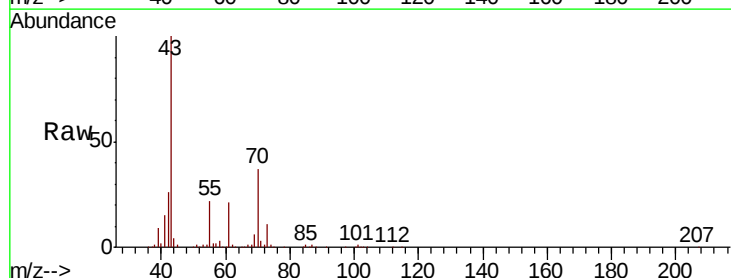
Ion Ratio Lower Upper

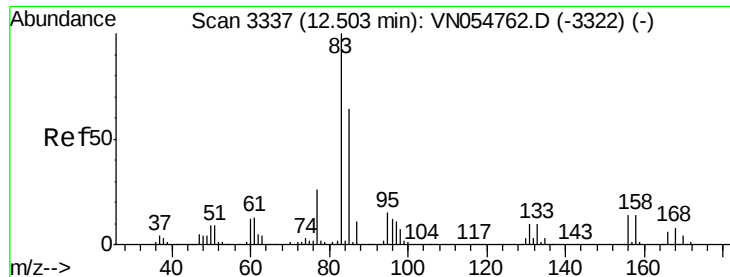
43 100

70 36.2 35.4 53.0

55 23.2 19.8 29.6

61 21.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 59.949 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

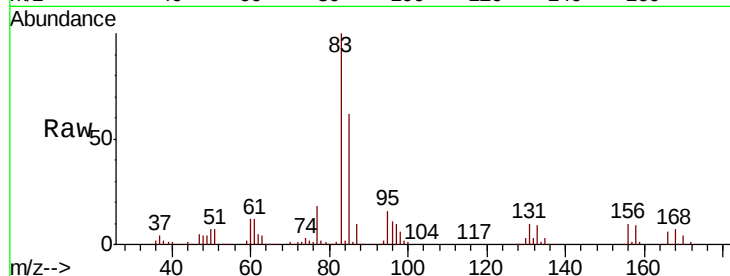
Tot Ion: 83 Resp: 277741

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

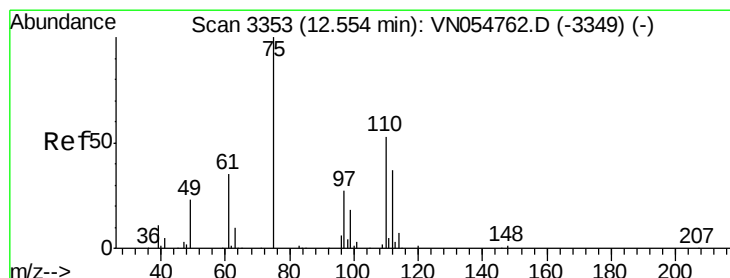
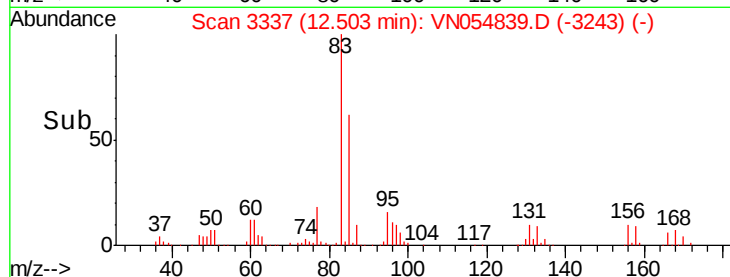
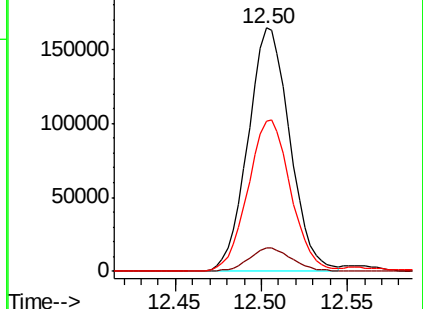
85 63.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 69.639 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054839.D

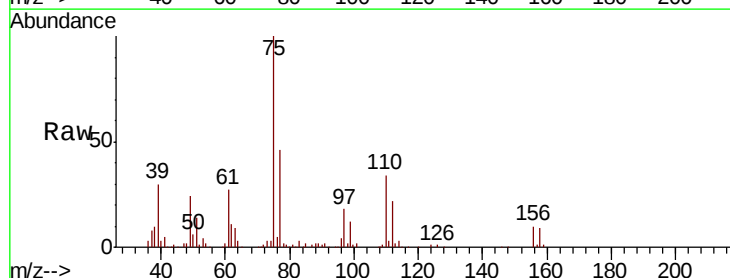
Acq: 31 Mar 2019 8:23

Tgt Ion: 75 Resp: 312846

Ion Ratio Lower Upper

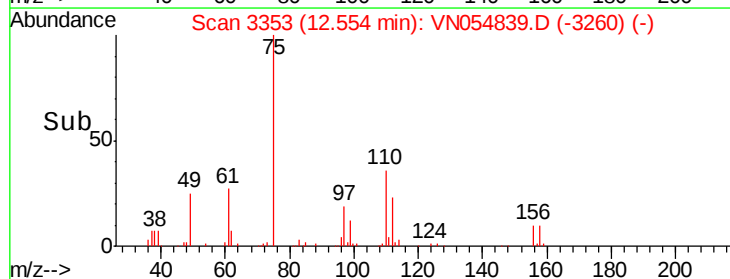
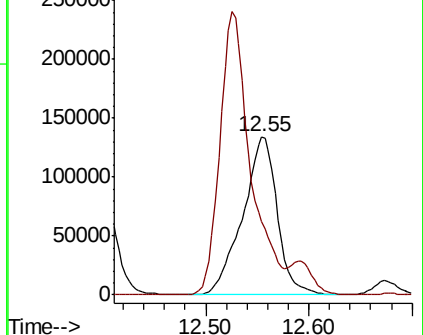
75 100

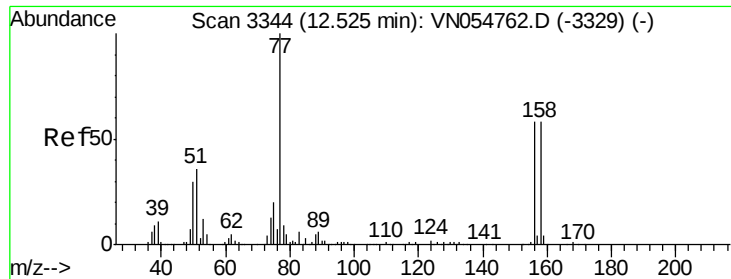
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3349) (-)





#77

Bromobenzene

Concen: 50.738 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampled :

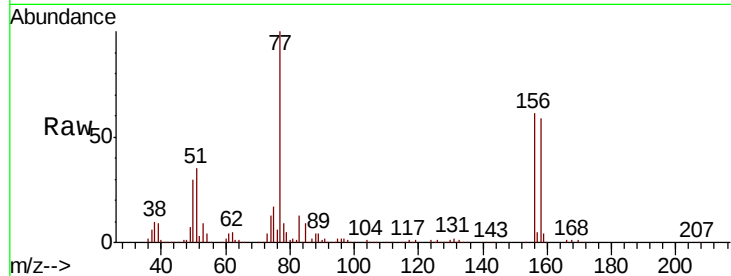
Tot Ion:156 Resp: 258824

Ion Ratio Lower Upper

156 100

77 192.2 81.5 244.4

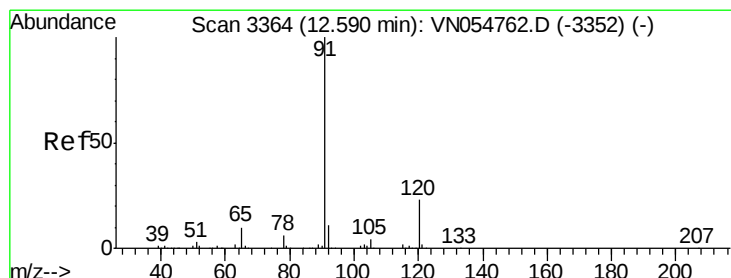
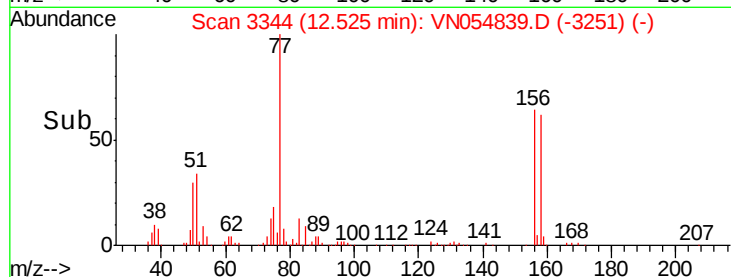
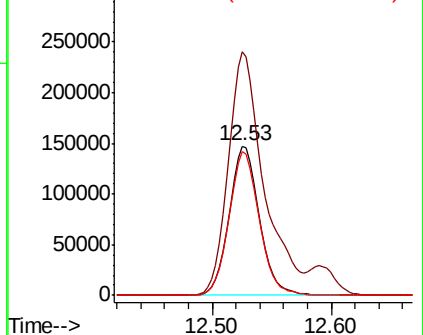
158 96.1 49.0 147.2



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: 48.671 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054839.D

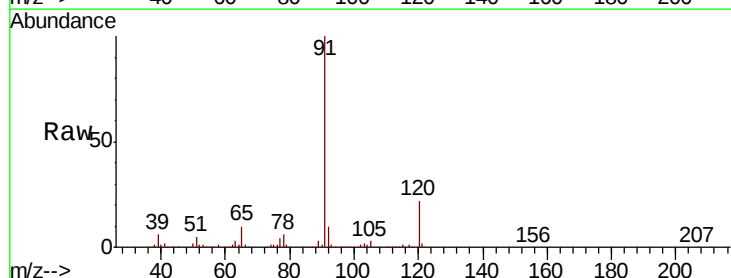
Acq: 31 Mar 2019 8:23

Tgt Ion: 91 Resp: 1130686

Ion Ratio Lower Upper

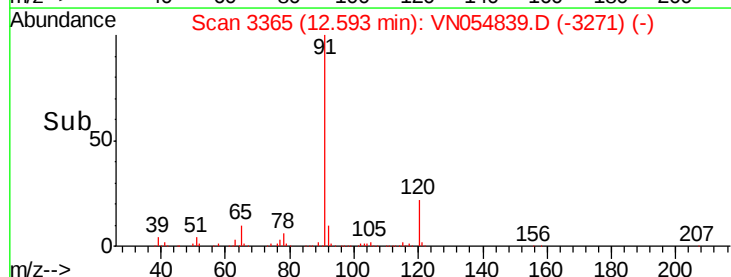
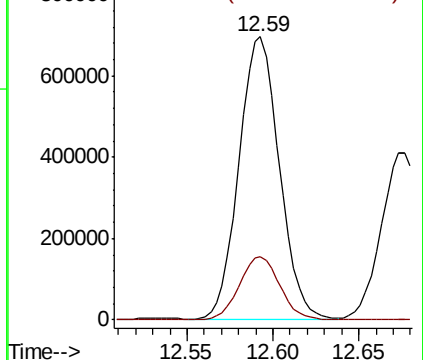
91 100

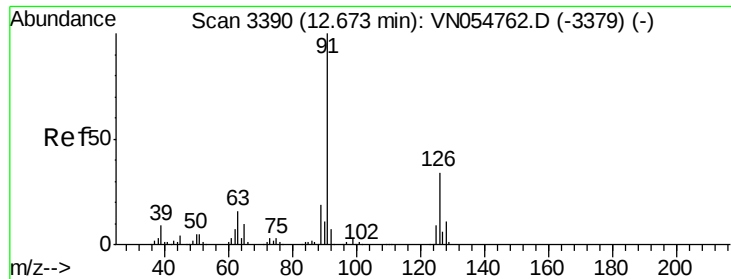
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

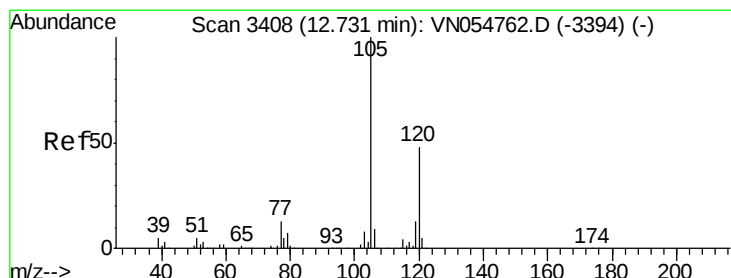
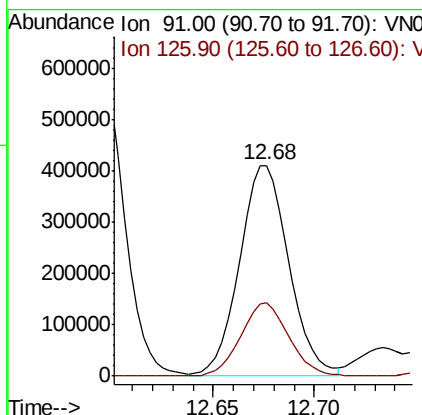
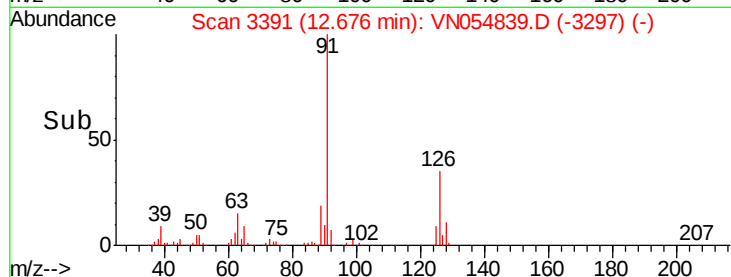
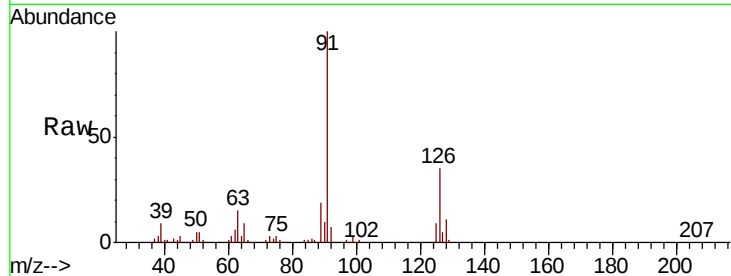




#79
 2-Chlorotoluene
 Concen: 48.632 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

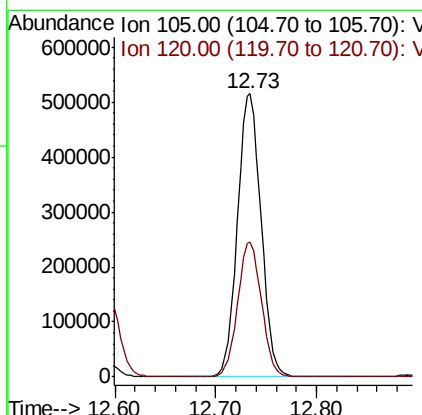
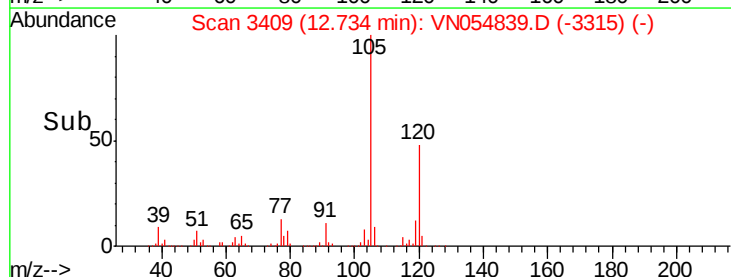
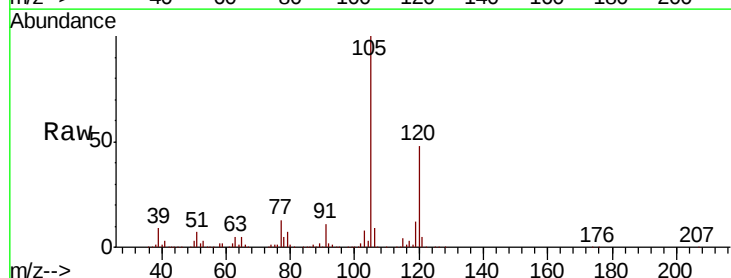
Instrument :
 MSVOA_N
 ClientSampleId :

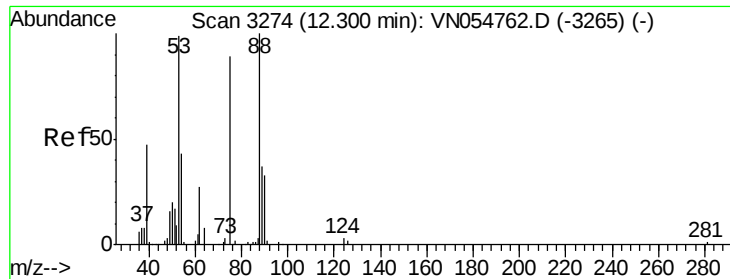
Tot Ion: 91 Resp: 698958
 Ion Ratio Lower Upper
 91 100
 126 34.2 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.000 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 105 Resp: 832478
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.874 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampled :

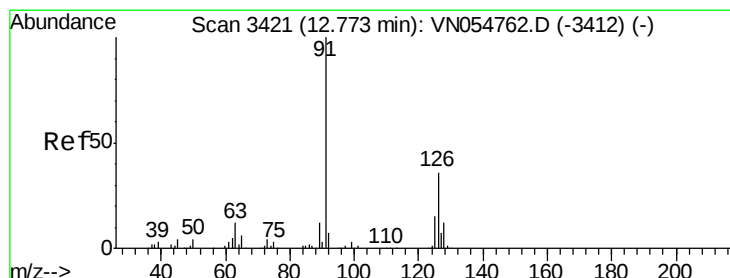
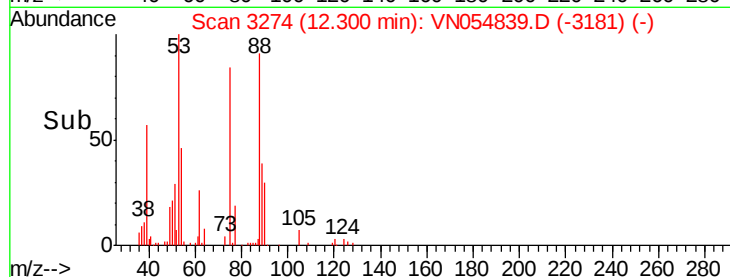
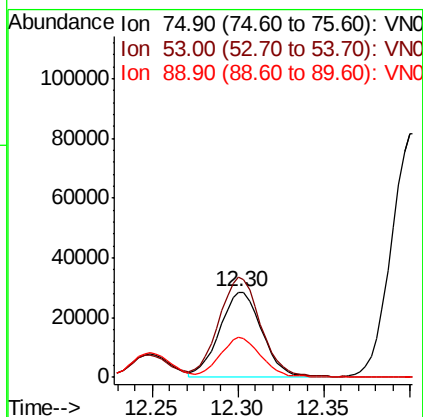
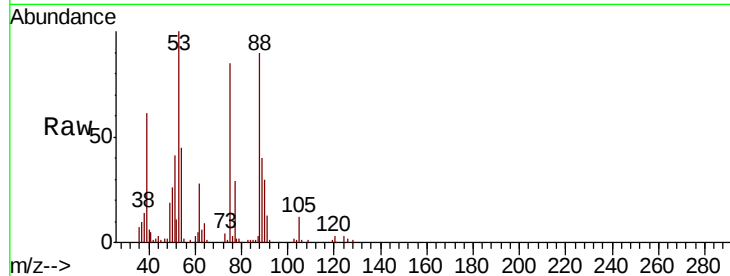
Tot Ion: 75 Resp: 48362

Ion Ratio Lower Upper

75 100

53 119.6 76.2 114.2#

89 45.7 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.246 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054839.D

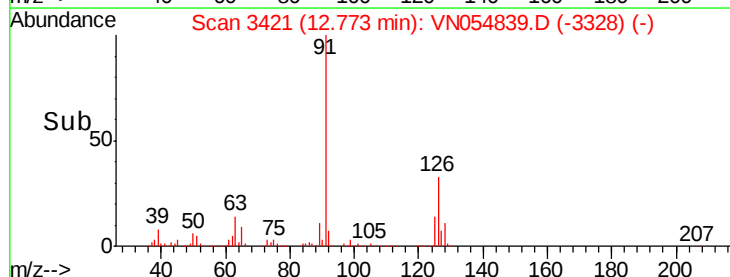
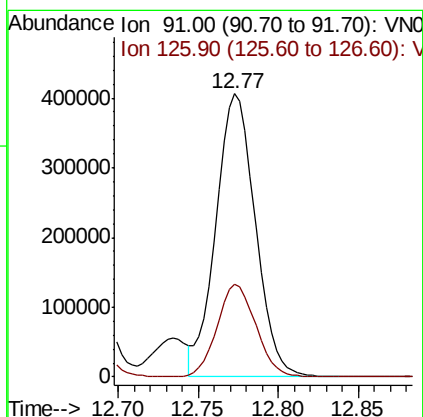
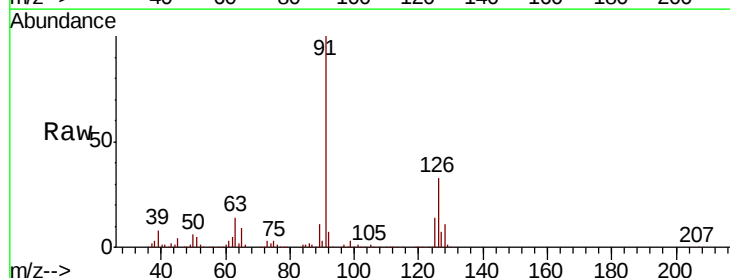
Acq: 31 Mar 2019 8:23

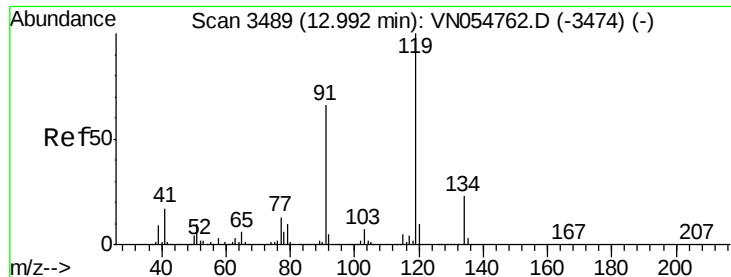
Tgt Ion: 91 Resp: 687461

Ion Ratio Lower Upper

91 100

126 32.2 18.1 54.1

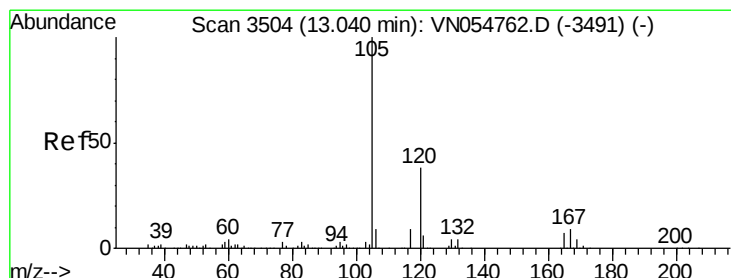
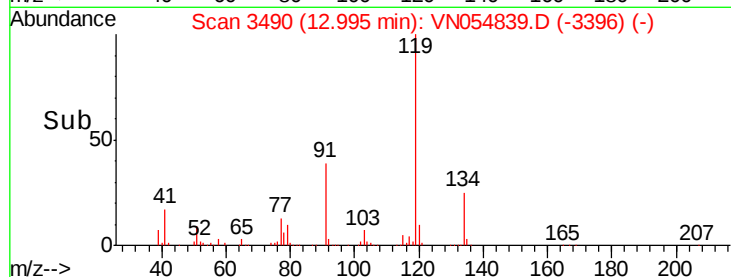
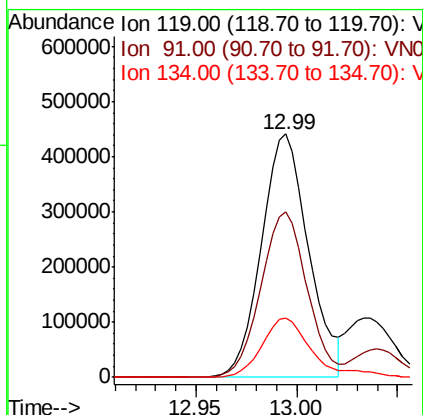
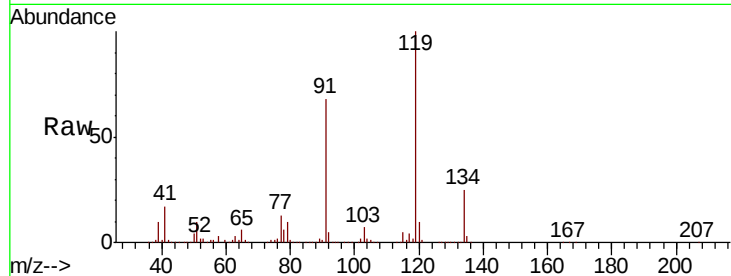




#83
tert-Butylbenzene
Concen: 53.639 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

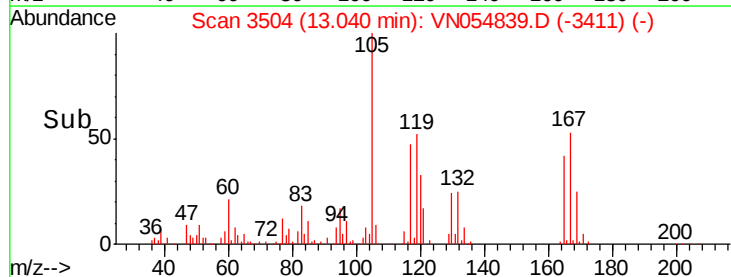
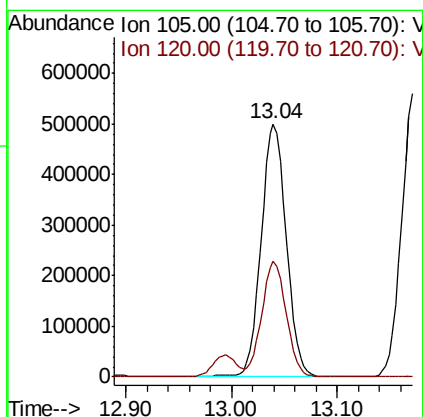
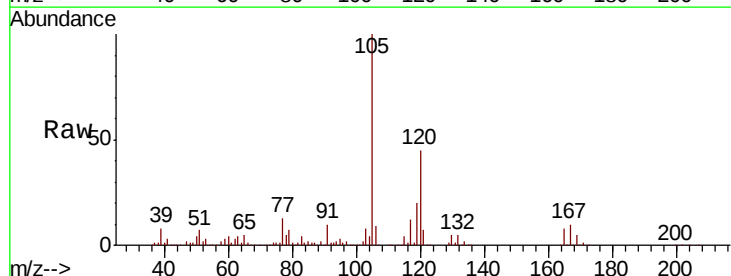
Instrument :
MSVOA_N
ClientSampled :

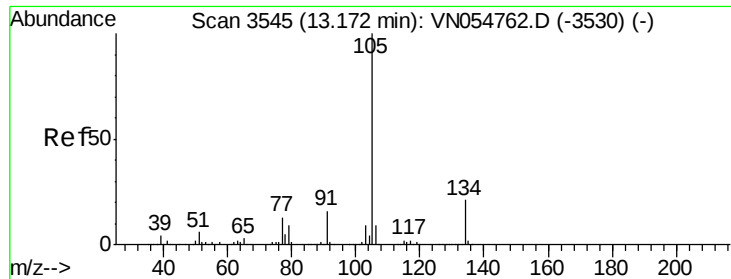
Tot Ion:119 Resp: 718747
Ion Ratio Lower Upper
119 100
91 66.5 30.9 92.8
134 26.0 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.485 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054839.D
Acq: 31 Mar 2019 8:23

Tgt Ion:105 Resp: 834149
Ion Ratio Lower Upper
105 100
120 44.6 23.4 70.3

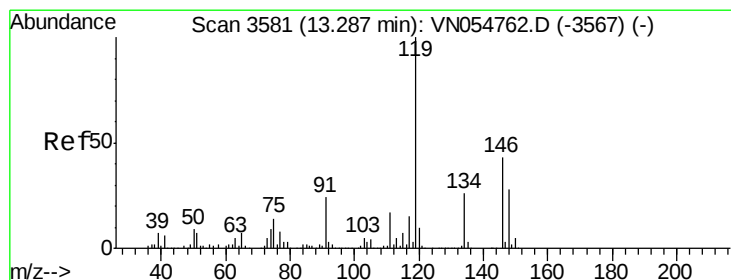
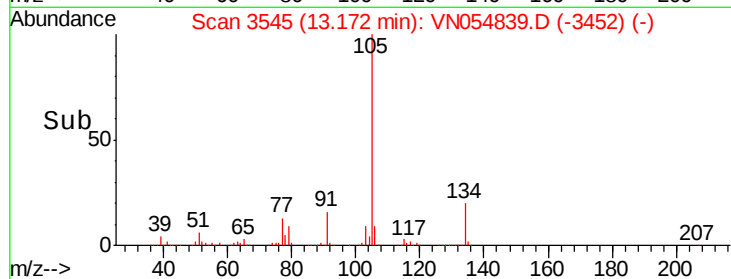
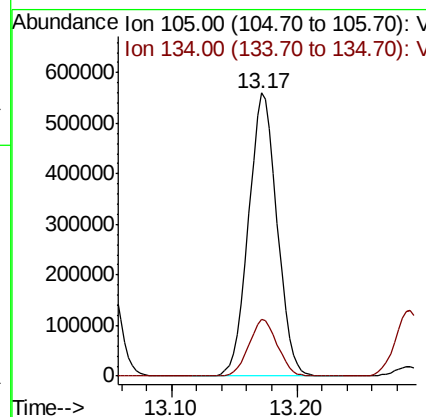
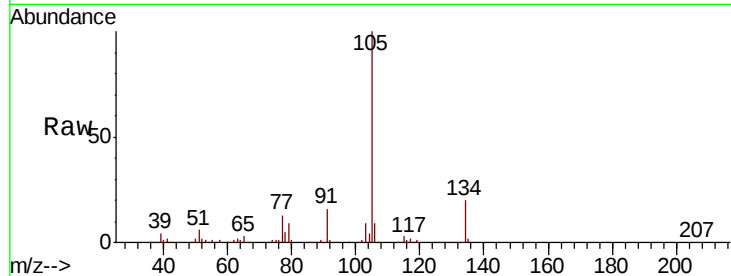




#85
 sec-Butylbenzene
 Concen: 47.025 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

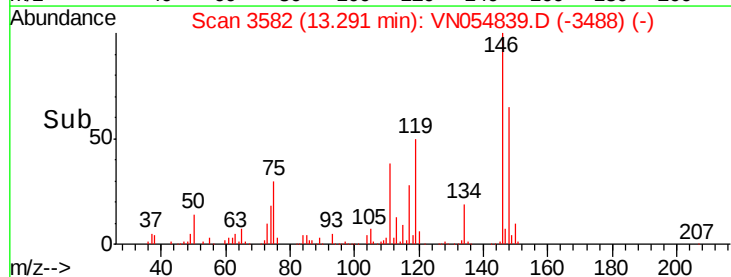
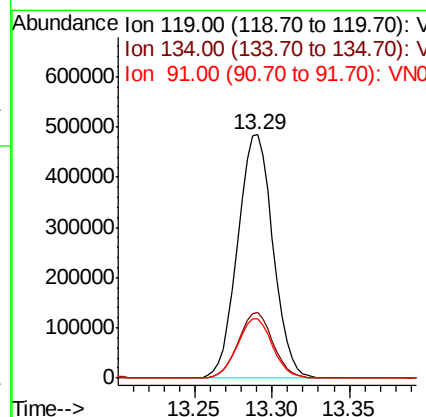
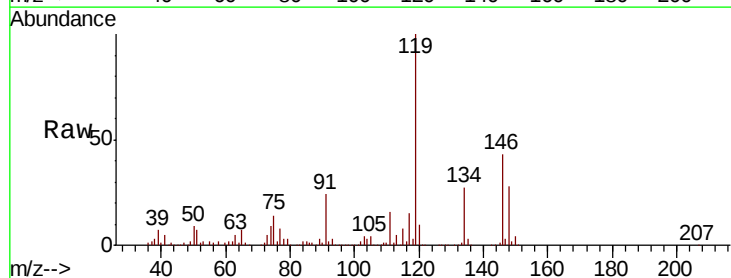
Instrument :
 MSVOA_N
 ClientSampled :

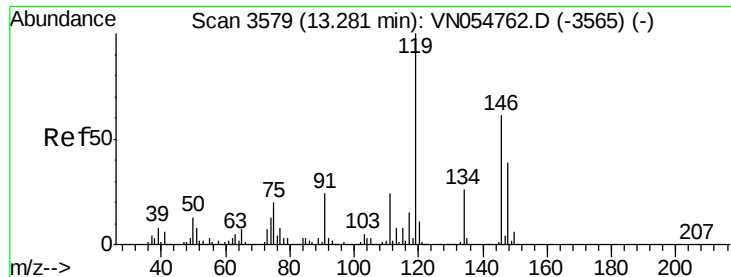
Tot Ion:105 Resp: 885961
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 46.039 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion:119 Resp: 765016
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.8
 91 24.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.077 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

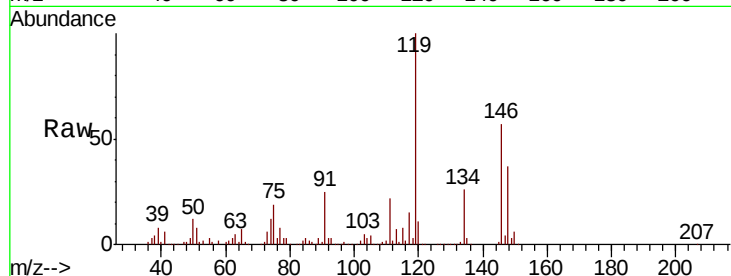
Tot Ion:146 Resp: 419148

Ion Ratio Lower Upper

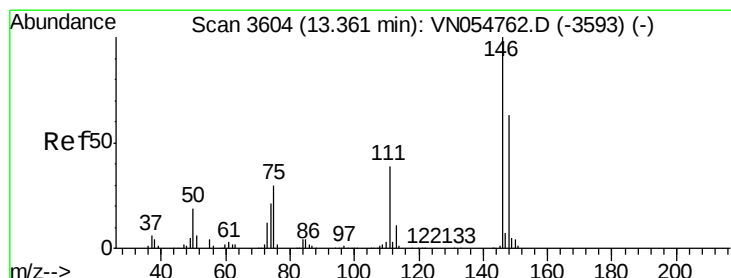
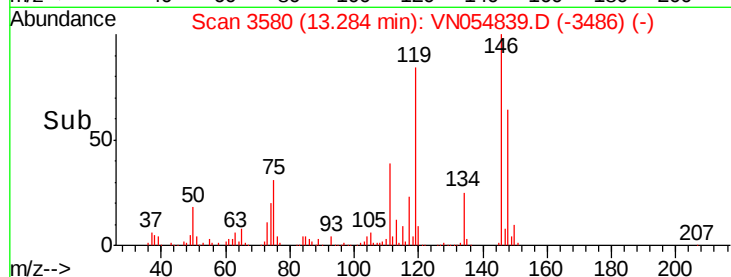
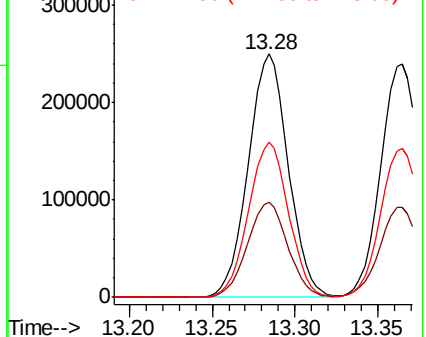
146 100

111 39.3 18.8 56.3

148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.577 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

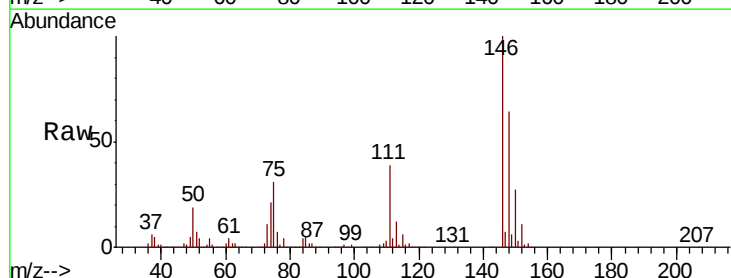
Tgt Ion:146 Resp: 406914

Ion Ratio Lower Upper

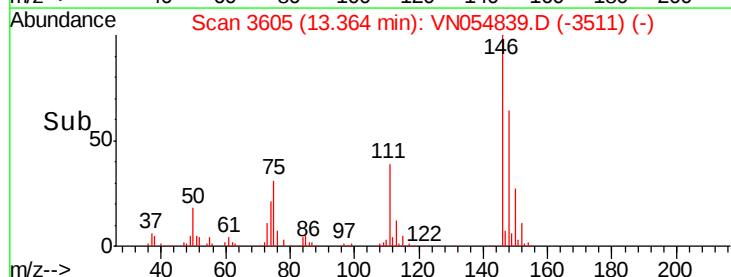
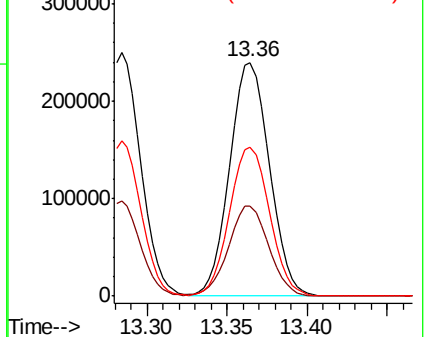
146 100

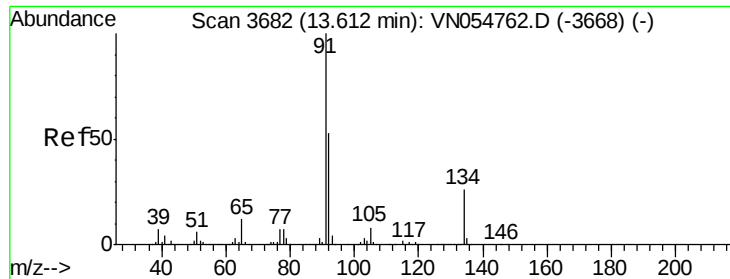
111 38.8 18.1 54.1

148 64.3 32.0 96.0



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





#89

n-Butylbenzene

Concen: 44.835 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

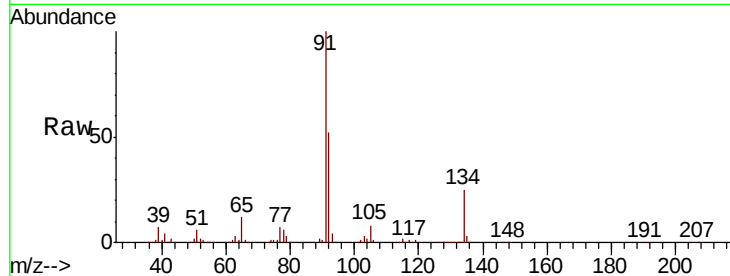
Tot Ion: 91 Resp: 607847

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.2	14.3	42.9

91 100

92 51.7 26.2 78.6

134 25.2 14.3 42.9

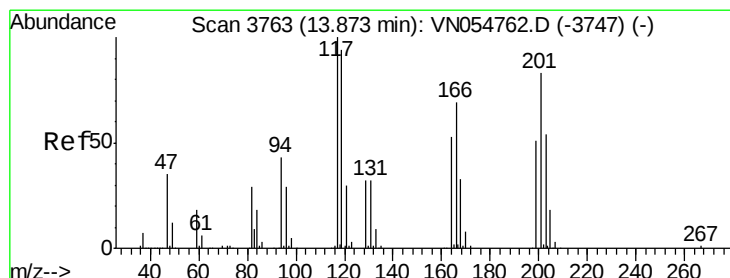
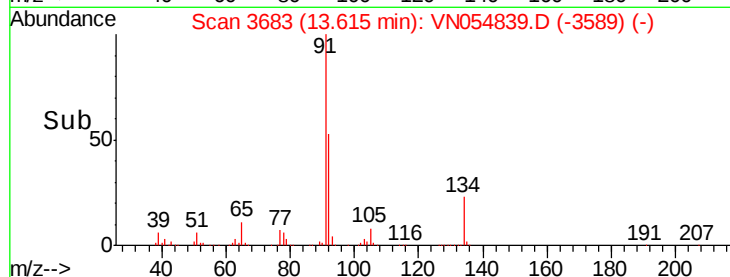
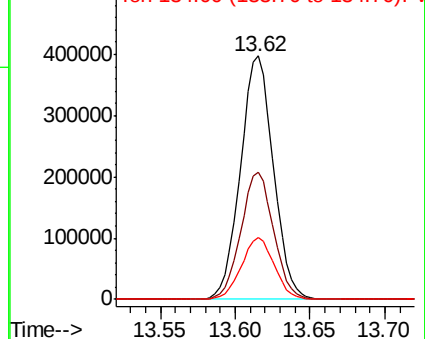


Abundance

Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)



#90

Hexachloroethane

Concen: 48.459 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054839.D

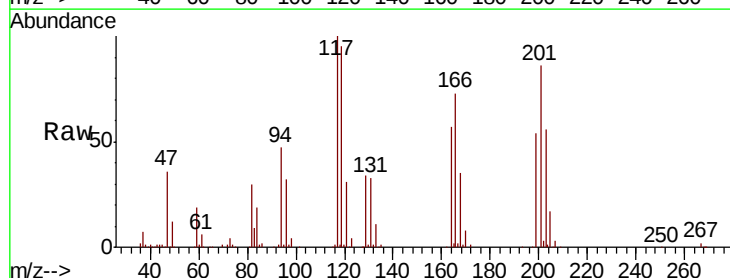
Acq: 31 Mar 2019 8:23

Tgt Ion: 117 Resp: 136716

Ion	Ratio	Lower	Upper
117	100		
201	85.2	48.1	144.4

117 100

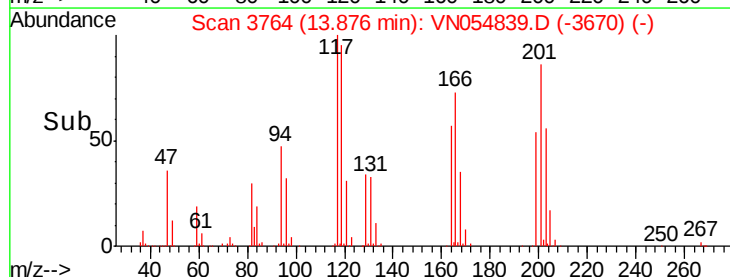
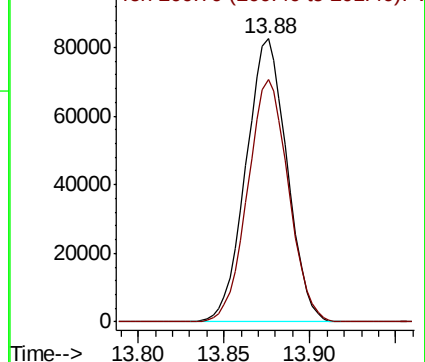
201 85.2 48.1 144.4

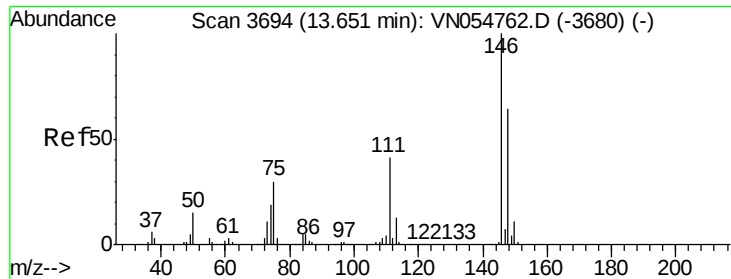


Abundance

Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)

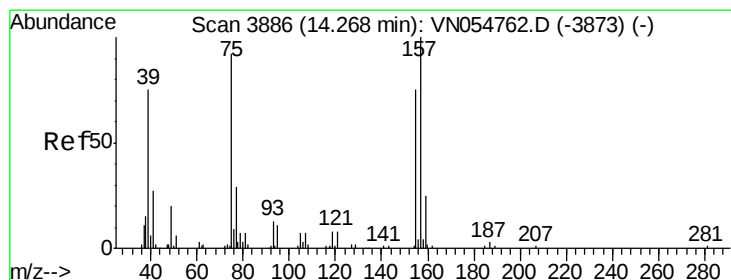
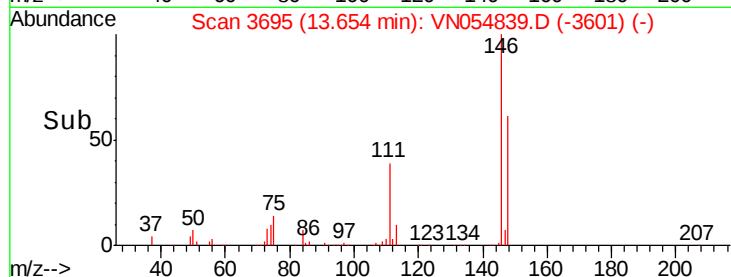
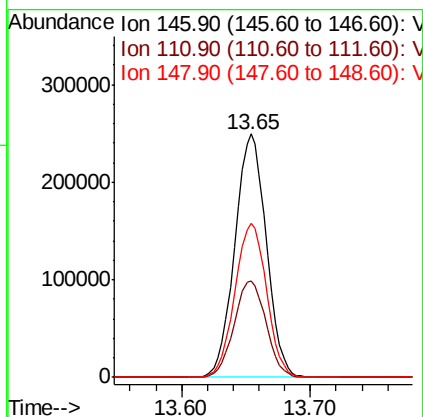
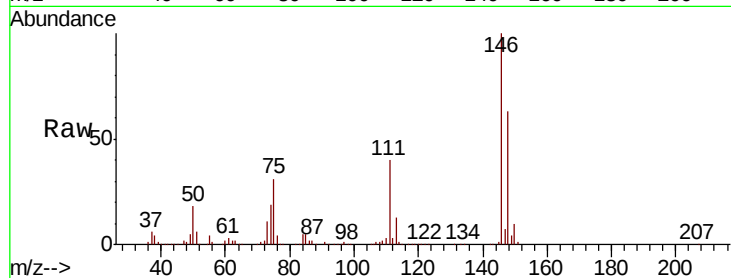




#91
 1,2-Dichlorobenzene
 Concen: 48.928 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

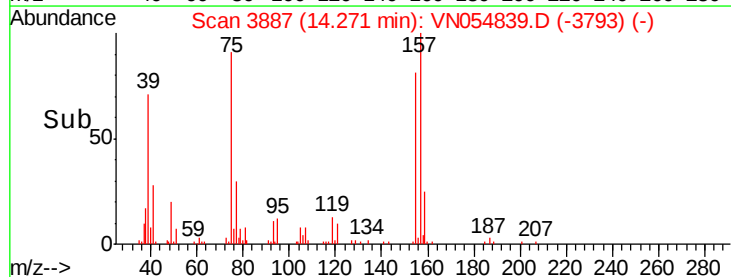
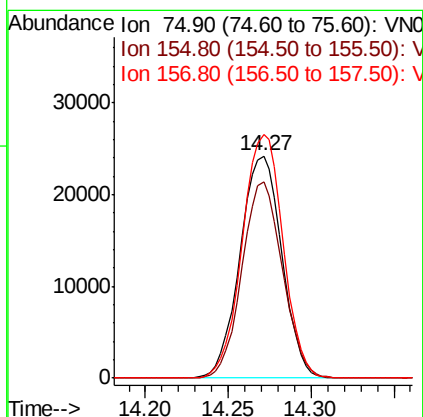
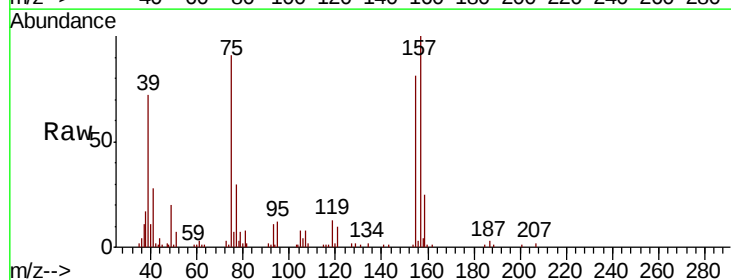
Instrument :
 MSVOA_N
 ClientSampleId :

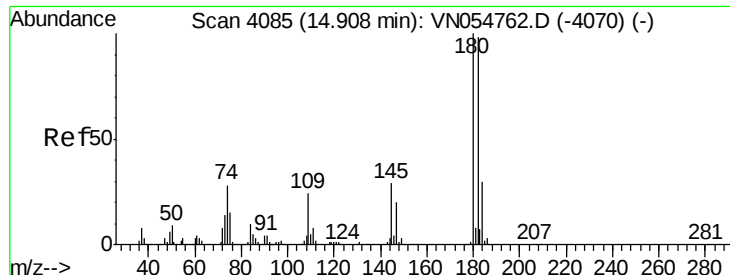
Tot Ion:146 Resp: 421733
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.1 57.3
 148 63.9 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.693 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion: 75 Resp: 42410
 Ion Ratio Lower Upper
 75 100
 155 85.6 50.1 150.3
 157 107.5 63.1 189.3

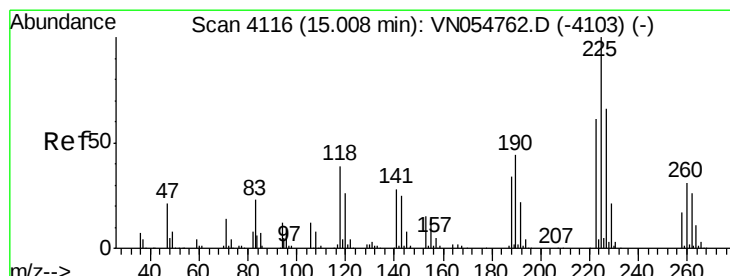
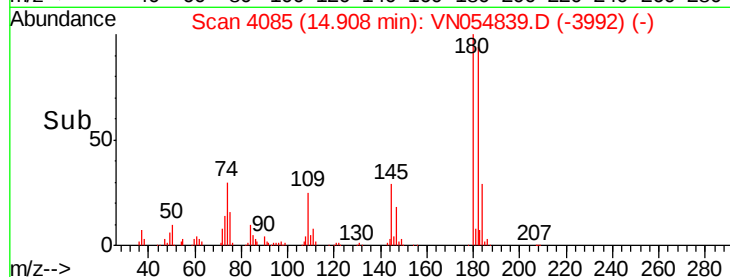
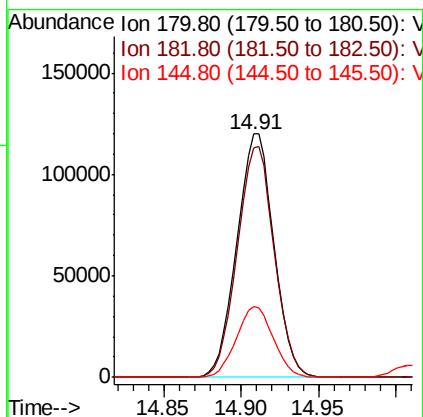
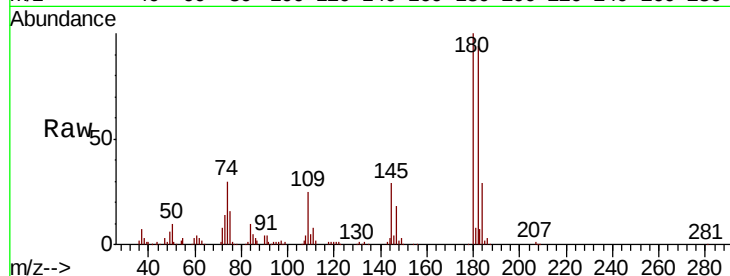




#93
 1,2,4-Trichlorobenzene
 Concen: 47.874 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

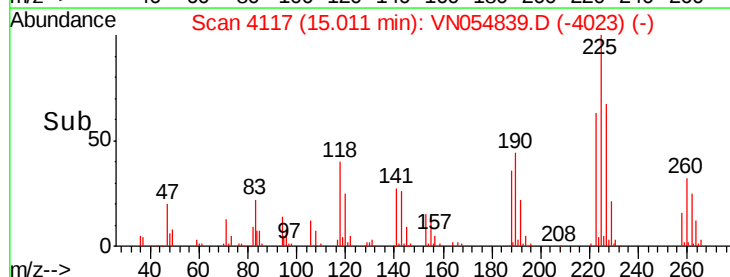
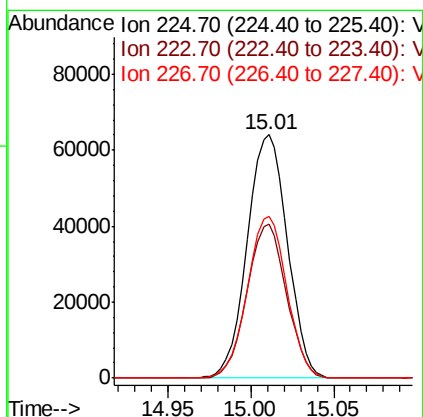
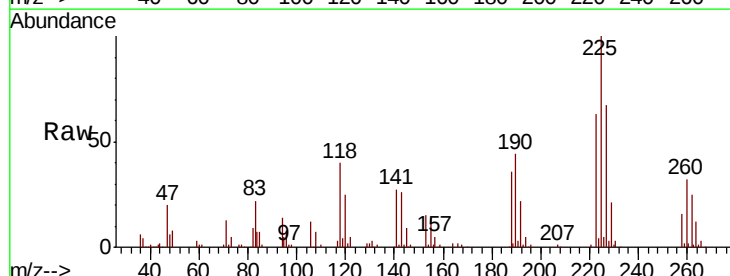
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	29.2	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 43.490 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054839.D
 Acq: 31 Mar 2019 8:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	65.5	31.9	95.9





#95

Naphthalene

Concen: 51.922 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

Instrument :

MSVOA_N

ClientSampleId :

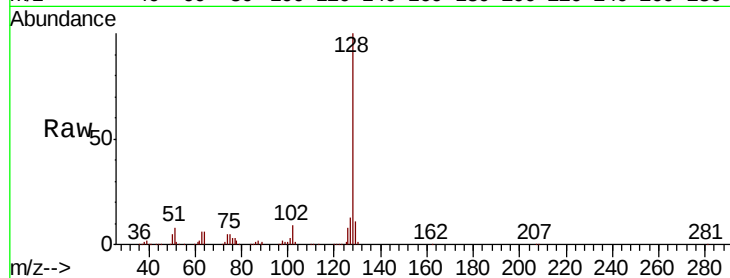
Tot Ion:128 Resp: 483913

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

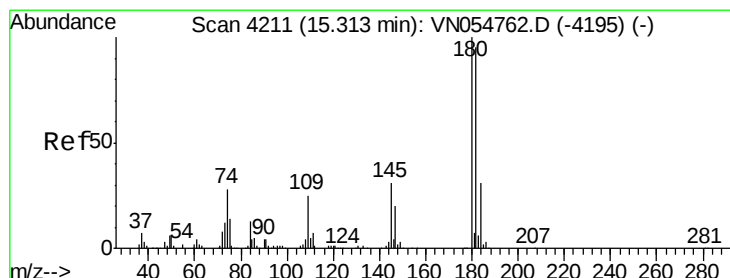
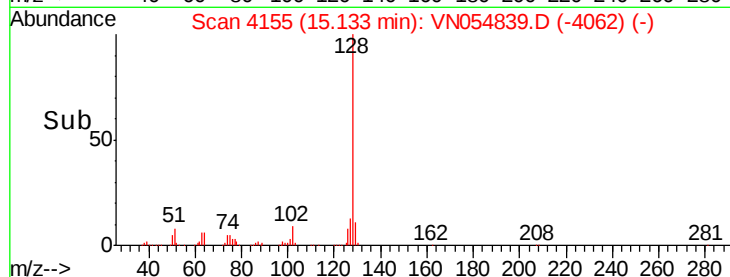
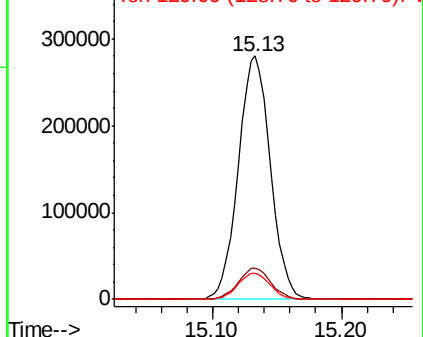
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.695 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054839.D

Acq: 31 Mar 2019 8:23

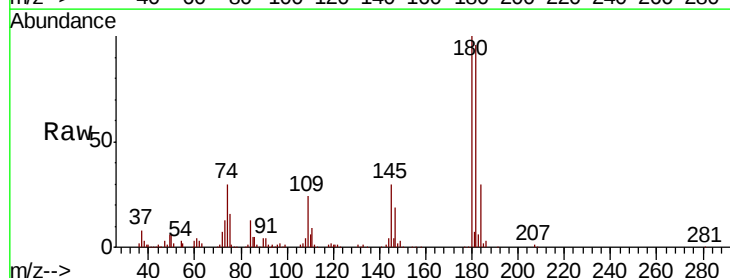
Tgt Ion:180 Resp: 204358

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 31.7 14.8 44.3



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

