

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054735.D
 Acq On : 28 Mar 2019 11:09
 Operator : JC/SP
 Sample : VN0328WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

Quant Time: Mar 29 05:00:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	450134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	270130	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	260534	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	7.59	113	208911	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	10.09	98	758641	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	12.40	95	253208	42.23	ug/l	0.00
Spiked Amount			Recovery	=	84.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	91344	21.227	ug/l	96
3) Chloromethane	2.06	50	125456	21.428	ug/l	98
4) Vinyl Chloride	2.19	62	111903	19.037	ug/l	98
5) Bromomethane	2.58	94	64959	17.090	ug/l	100
6) Chloroethane	2.71	64	60213	17.078	ug/l	95
7) Trichlorofluoromethane	3.03	101	140028	19.616	ug/l	99
8) Diethyl Ether	3.41	74	44618	16.251	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74057	17.652	ug/l	94
10) Methyl Iodide	3.95	142	100405	16.269	ug/l #	90
11) Tert butyl alcohol	4.82	59	32217	95.043	ug/l	98
12) 1,1-Dichloroethene	3.73	96	70453	16.227	ug/l #	72
13) Acrolein	3.61	56	28087	60.042	ug/l	92
14) Allyl chloride	4.32	41	169357	20.715	ug/l #	92
15) Acrylonitrile	5.00	53	181054	107.256	ug/l	100
16) Acetone	3.82	43	180823	107.420	ug/l #	82
17) Carbon Disulfide	4.04	76	221271	19.021	ug/l	99
18) Methyl Acetate	4.34	43	79506	21.191	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	248086	19.579	ug/l	94
20) Methylene Chloride	4.55	84	99248	20.001	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	93047	20.988	ug/l	87
22) Diisopropyl ether	5.96	45	345967	21.453	ug/l #	95
23) Vinyl Acetate	5.90	43	1229888	107.984	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186513	21.480	ug/l	99
25) 2-Butanone	6.85	43	241288	111.897	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	128621	20.780	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	106014	20.048	ug/l	87
28) Bromochloromethane	7.20	49	78630	18.397	ug/l #	69
29) Tetrahydrofuran	7.22	42	152893	109.262	ug/l #	84
30) Chloroform	7.37	83	176217	20.795	ug/l	100
31) Cyclohexane	7.65	56	180999	20.665	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	145045	20.748	ug/l	95
36) 1,1-Dichloropropene	7.79	75	134132	19.719	ug/l	96
37) Ethyl Acetate	6.94	43	101893	21.062	ug/l	96
38) Carbon Tetrachloride	7.77	117	126300	19.107	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	155880	20.034	ug/l	89
40) Benzene	8.04	78	396630	20.391	ug/l	99
41) Methacrylonitrile	7.18	41	49143	16.657	ug/l	92
42) 1,2-Dichloroethane	8.13	62	140943	19.897	ug/l	99
43) Isopropyl Acetate	8.17	43	167712	20.527	ug/l #	93
44) Trichloroethene	8.83	130	102678	18.987	ug/l	92
45) 1,2-Dichloropropane	9.12	63	110167	21.093	ug/l	100
46) Dibromomethane	9.21	93	64348	20.652	ug/l	85
47) Bromodichloromethane	9.40	83	131028	20.262	ug/l	96
48) Methyl methacrylate	9.20	41	86424	19.489	ug/l #	85
49) 1,4-Dioxane	9.21	88	19508	393.494	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	477945	105.551	ug/l	92
52) Toluene	10.16	92	231566	19.357	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	117569	18.698	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	149204	20.123	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	87300	20.301	ug/l	95
56) Ethyl methacrylate	10.43	69	110548	19.153	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	151918	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	176339	74.194	ug/l #	87
59) 2-Hexanone	10.75	43	311000	105.150	ug/l	90
60) Dibromochloromethane	10.90	129	87219	19.060	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81442	19.157	ug/l	98
64) Tetrachloroethene	10.63	164	100934	19.361	ug/l	98
65) Chlorobenzene	11.43	112	245479	19.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91758	19.998	ug/l	99
67) Ethyl Benzene	11.51	91	441480	19.551	ug/l	95
68) m/p-Xylenes	11.62	106	327730	38.318	ug/l	94
69) o-Xylene	11.95	106	159656	19.114	ug/l	95
70) Styrene	11.96	104	259259	19.113	ug/l	95
71) Bromoform	12.13	173	51436	17.759	ug/l #	98
73) Isopropylbenzene	12.25	105	416710	19.144	ug/l	98
74) N-amyl acetate	12.07	43	137278	21.933	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	104132	20.956	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	123955	28.917	ug/l #	100
77) Bromobenzene	12.53	156	102156	18.922	ug/l	85
78) n-propylbenzene	12.59	91	476580	20.191	ug/l	95
79) 2-Chlorotoluene	12.67	91	285844	19.420	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	348181	19.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22376	20.026	ug/l #	83
82) 4-Chlorotoluene	12.77	91	279535	19.592	ug/l	95
83) tert-Butylbenzene	12.99	119	294029	18.934	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	343700	19.634	ug/l	98
85) sec-Butylbenzene	13.17	105	387187	20.001	ug/l	98
86) p-Isopropyltoluene	13.29	119	341262	19.704	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	174891	19.549	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	169466	19.469	ug/l	98
89) n-Butylbenzene	13.61	91	278393	20.557	ug/l	98
90) Hexachloroethane	13.87	117	52923	19.686	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	168526	19.448	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15173	20.818	ug/l	80

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78530	18.179	ug/l	98
94) Hexachlorobutadiene	15.01	225	58953	22.949	ug/l	95
95) Naphthalene	15.13	128	171925	17.843	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79082	18.394	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

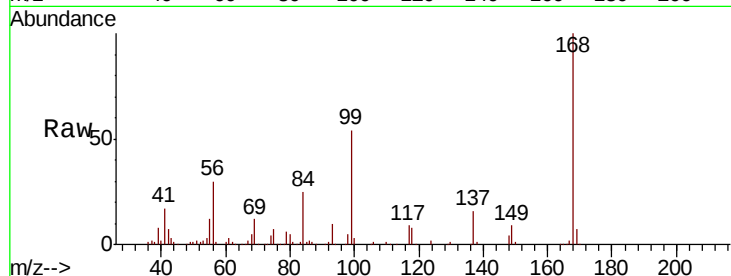
VN0328WBS01

Tot Ion:168 Resp: 450134

Ion Ratio Lower Upper

168 100

99 53.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

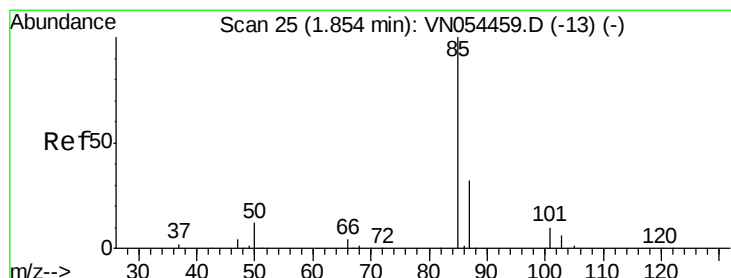
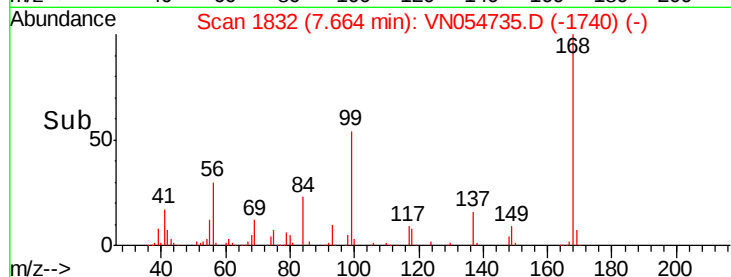
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.227 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054735.D

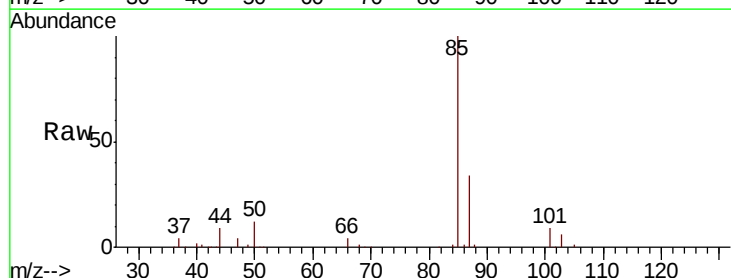
Acq: 28 Mar 2019 11:09

Tgt Ion: 85 Resp: 91344

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

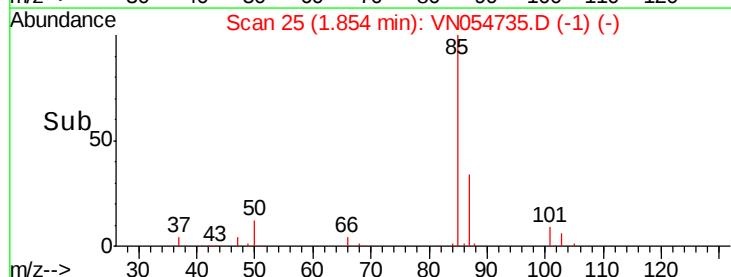
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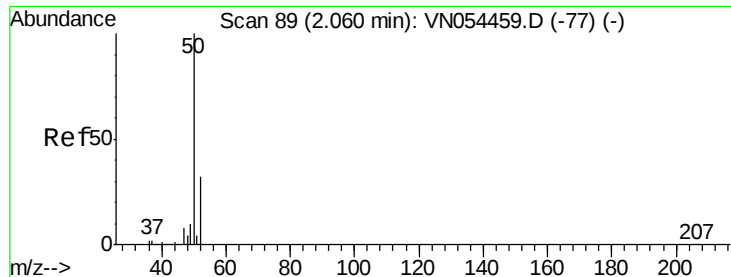
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.428 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

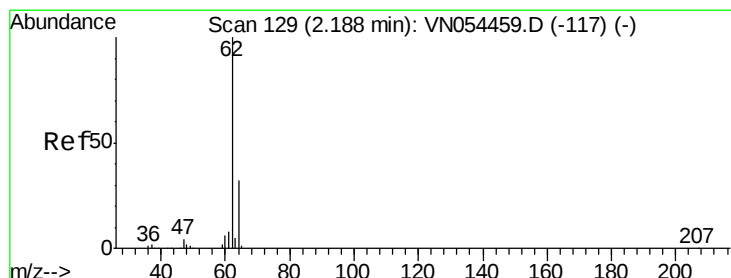
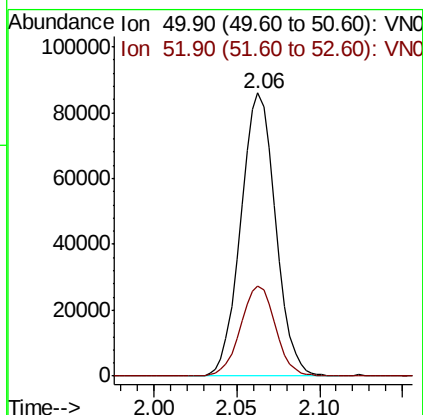
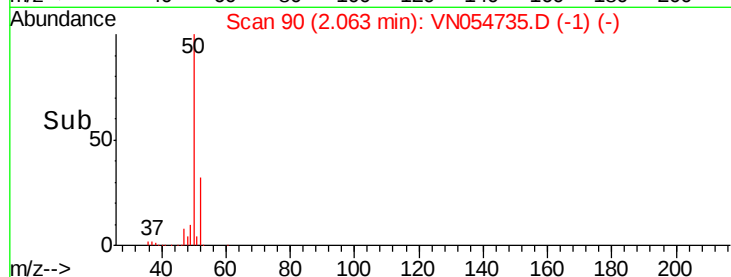
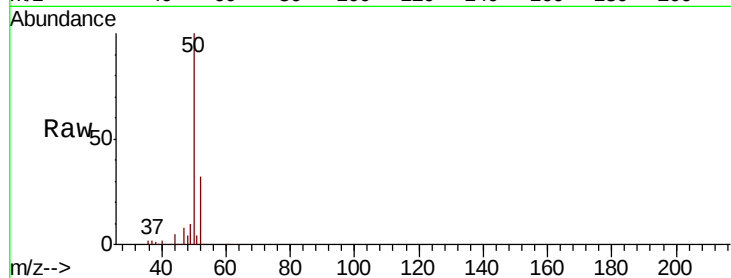
VN0328WBS01

Tot Ion: 50 Resp: 125456

Ion Ratio Lower Upper

50 100

52 31.7 26.4 39.6



#4

Vinyl Chloride

Concen: 19.037 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054735.D

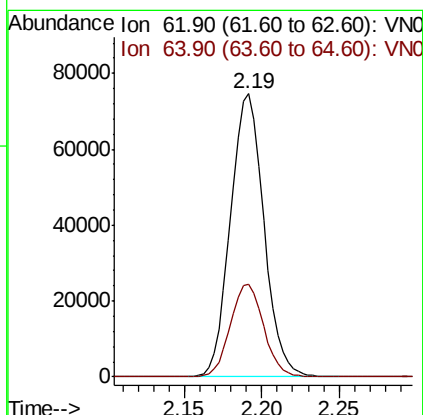
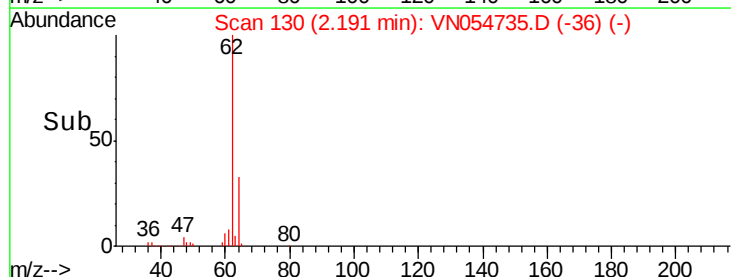
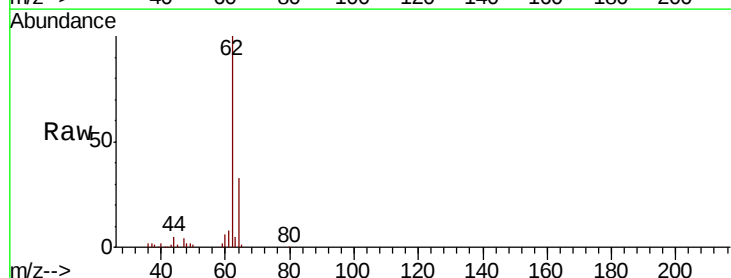
Acq: 28 Mar 2019 11:09

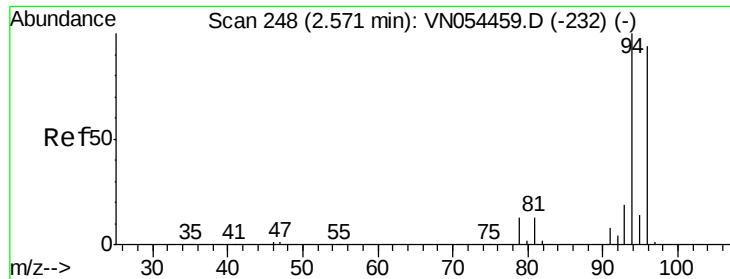
Tgt Ion: 62 Resp: 111903

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 17.090 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

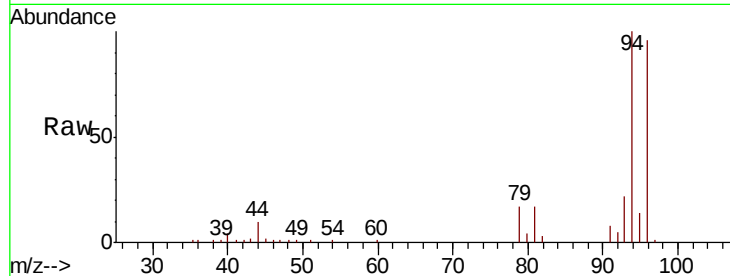
VN0328WBS01

Tot Ion: 94 Resp: 64959

Ion Ratio Lower Upper

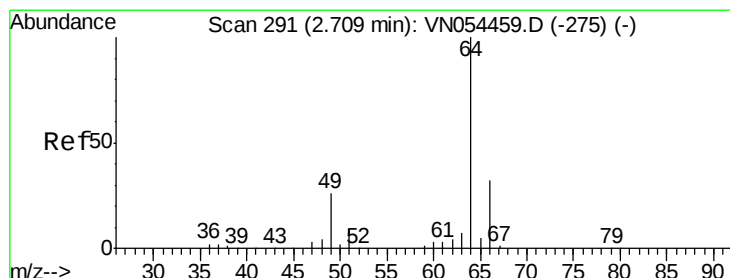
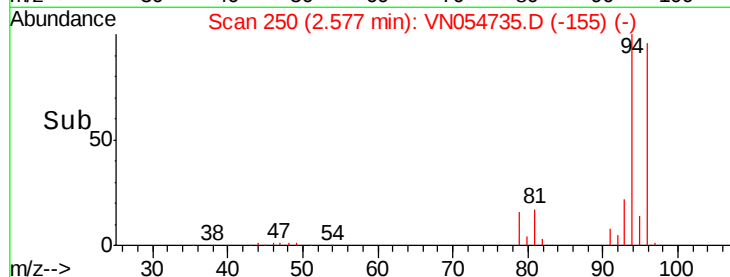
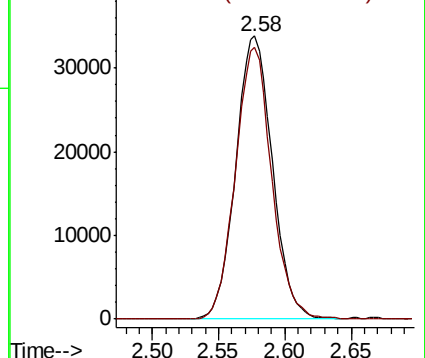
94 100

96 96.2 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: 17.078 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054735.D

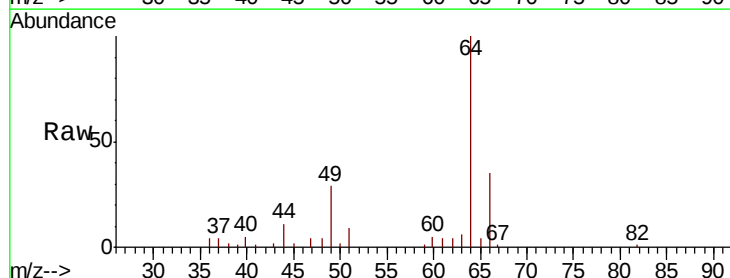
Acq: 28 Mar 2019 11:09

Tgt Ion: 64 Resp: 60213

Ion Ratio Lower Upper

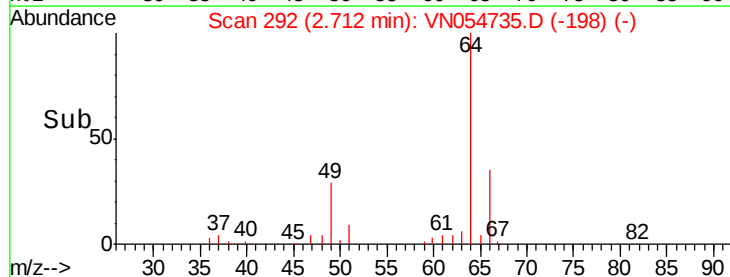
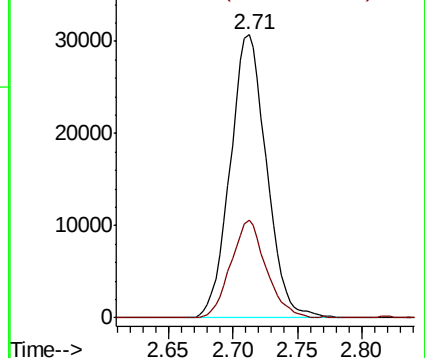
64 100

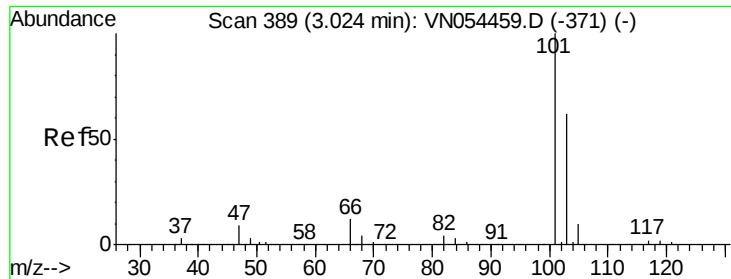
66 34.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



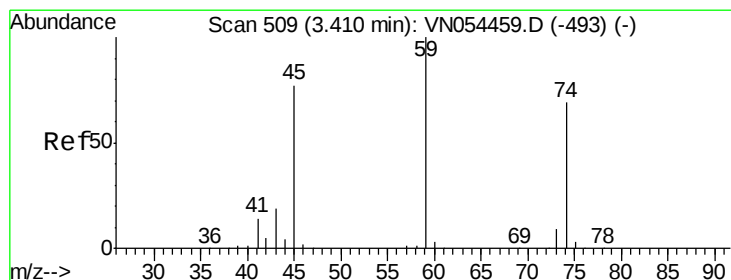
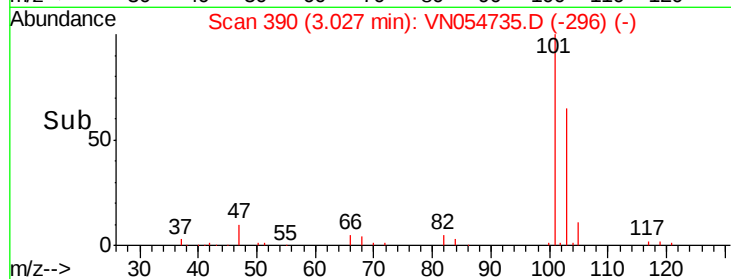
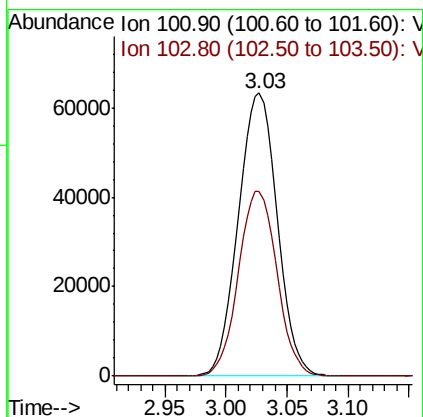
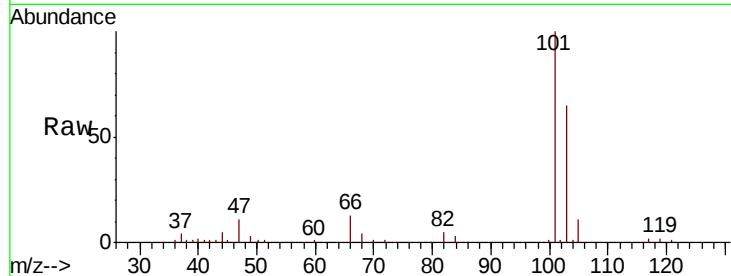


#7

Trichlorofluoromethane
 Concen: 19.616 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

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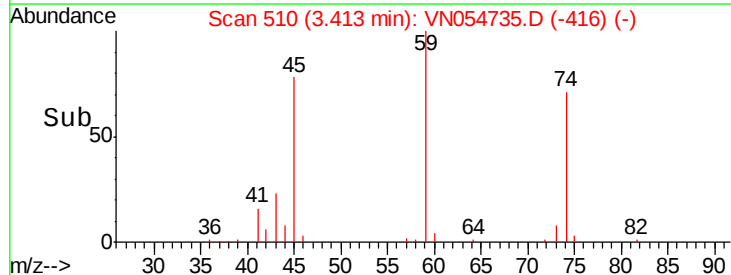
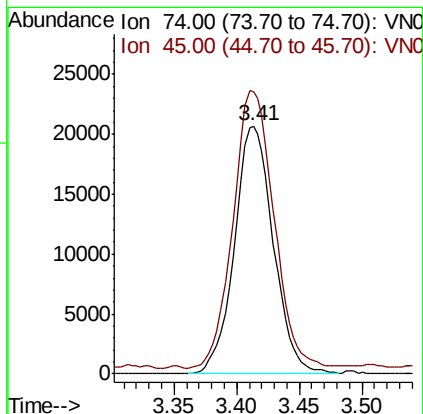
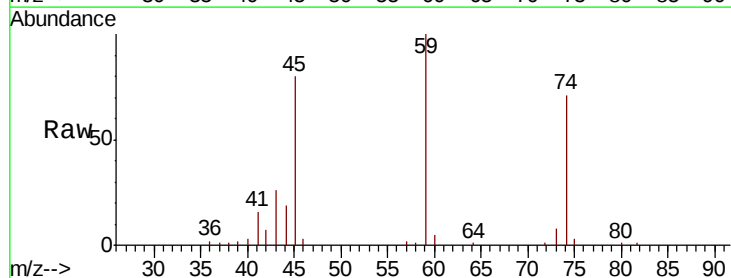
Tot Ion:101 Resp: 140028
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

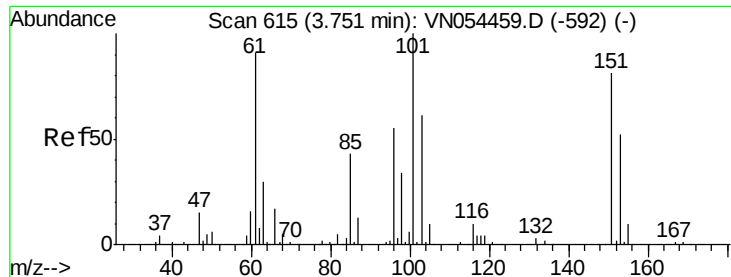


#8

Diethyl Ether
 Concen: 16.251 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion: 74 Resp: 44618
 Ion Ratio Lower Upper
 74 100
 45 117.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.652 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

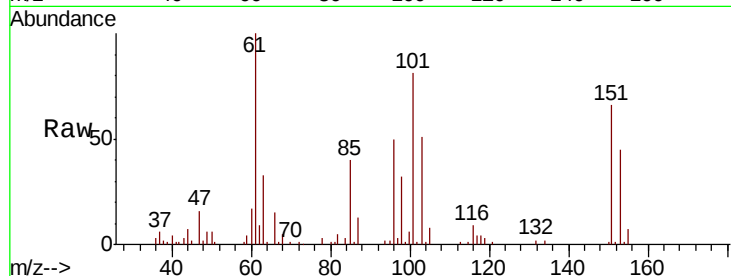
Tot Ion:101 Resp: 74057

Ion Ratio Lower Upper

101 100

85 46.2 32.4 48.6

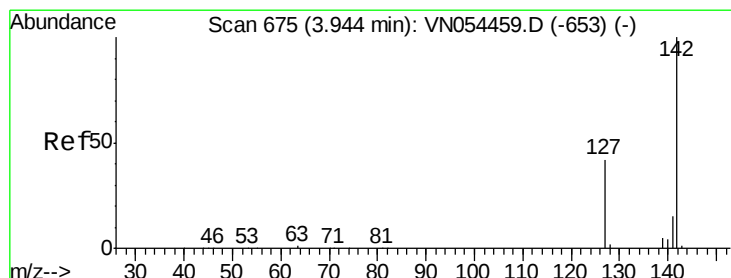
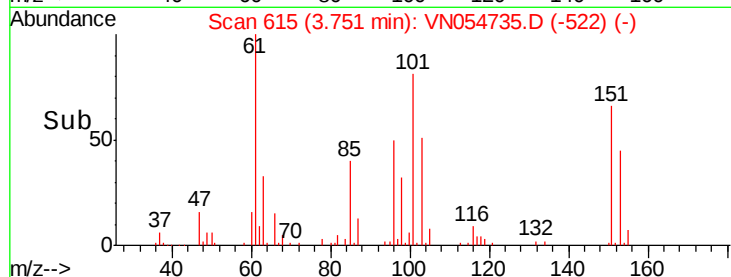
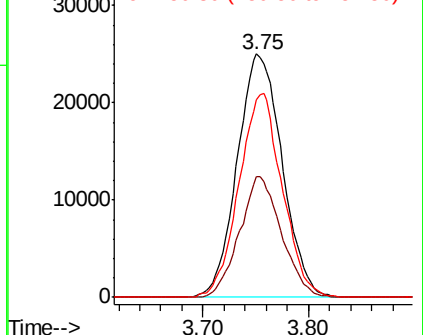
151 80.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.269 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

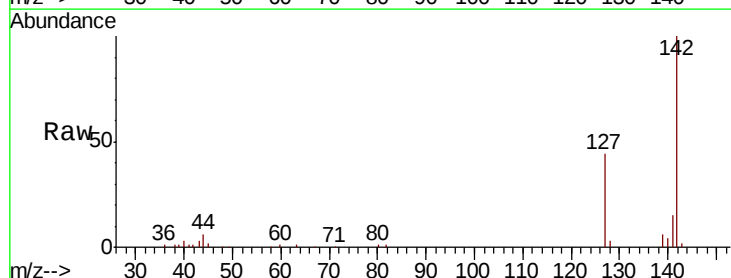
Tgt Ion:142 Resp: 100405

Ion Ratio Lower Upper

142 100

127 45.9 30.3 45.5#

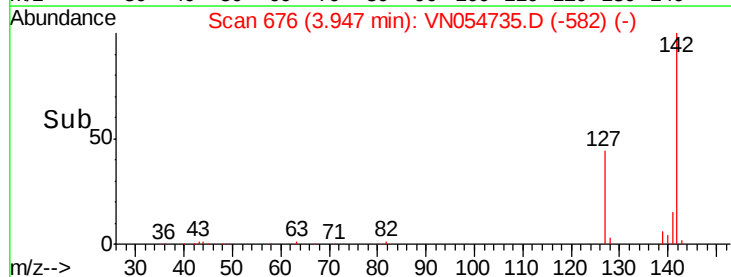
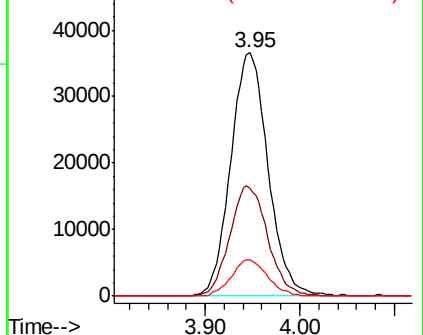
141 14.3 11.2 16.8

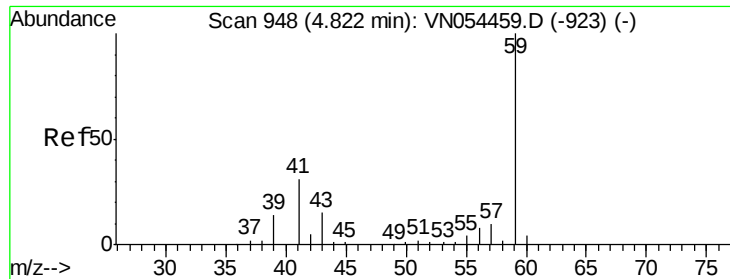


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

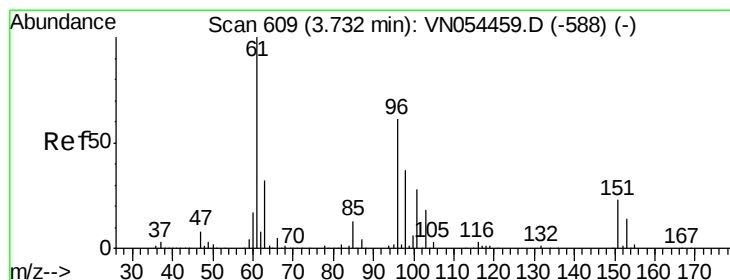
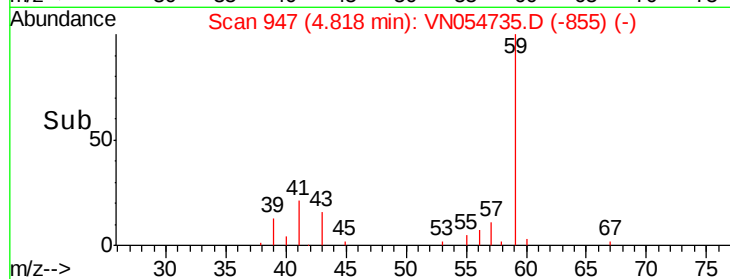
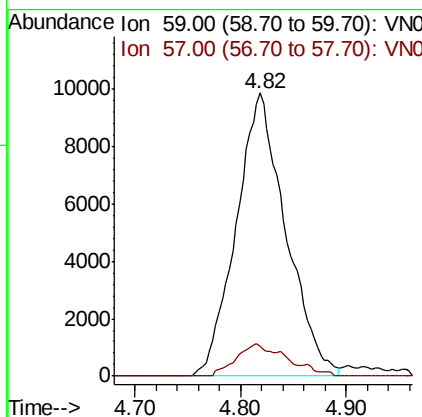
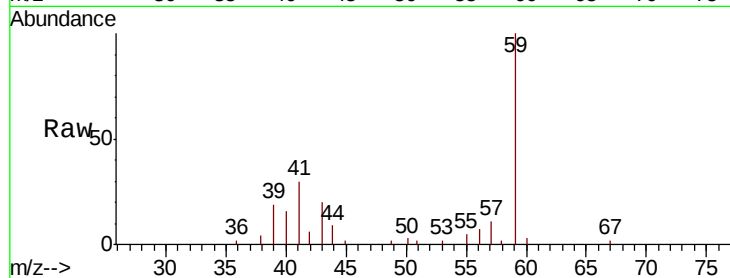




#11
Tert butyl alcohol
Concen: 95.043 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

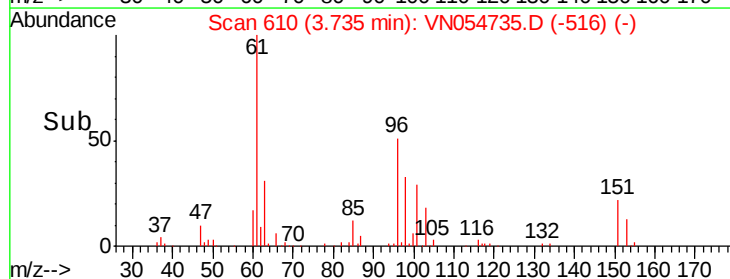
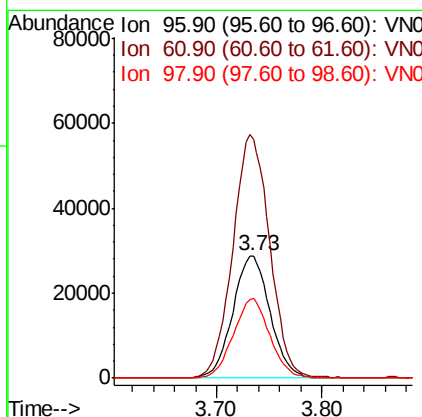
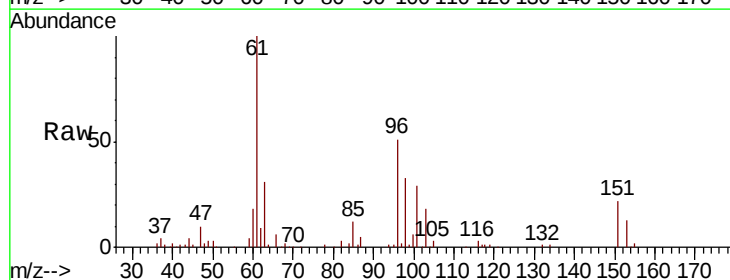
Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

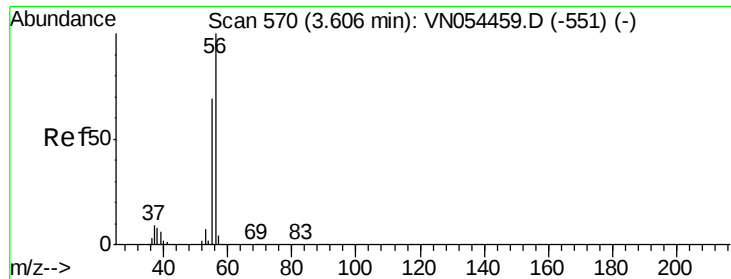
Tot Ion: 59 Resp: 32217
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.6



#12
1,1-Dichloroethene
Concen: 16.227 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 96 Resp: 70453
Ion Ratio Lower Upper
96 100
61 194.9 116.5 174.7#
98 65.1 51.0 76.4





#13

Acrolein

Concen: 60.042 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

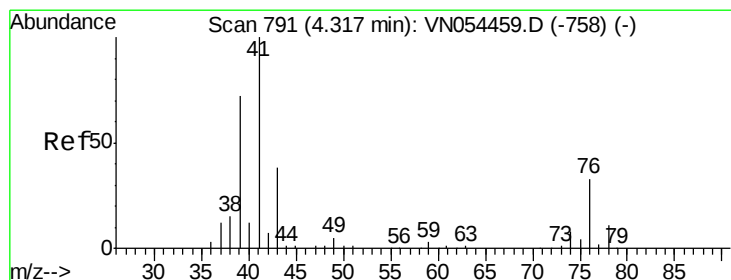
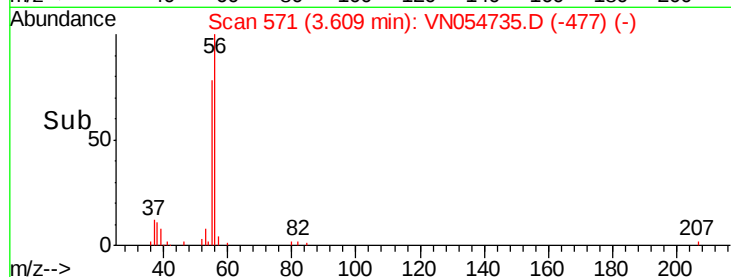
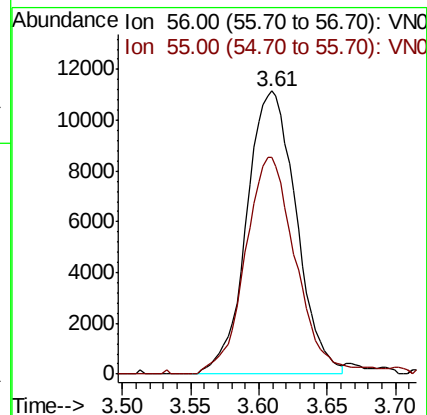
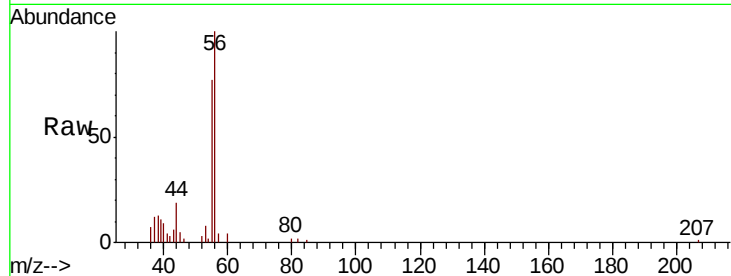
VN0328WBS01

Tot Ion: 56 Resp: 28087

Ion Ratio Lower Upper

56 100

55 77.7 56.7 85.1



#14

Allyl chloride

Concen: 20.715 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

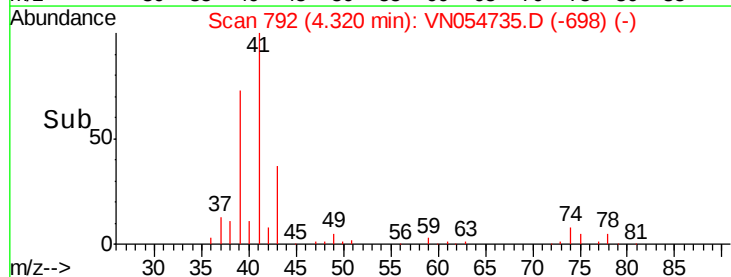
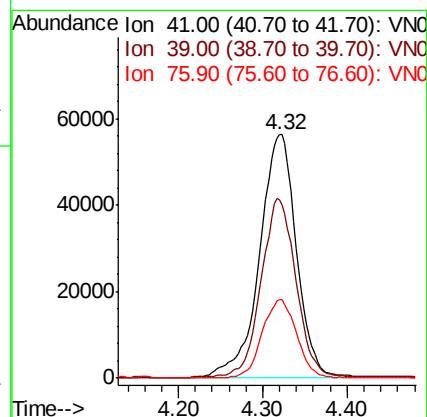
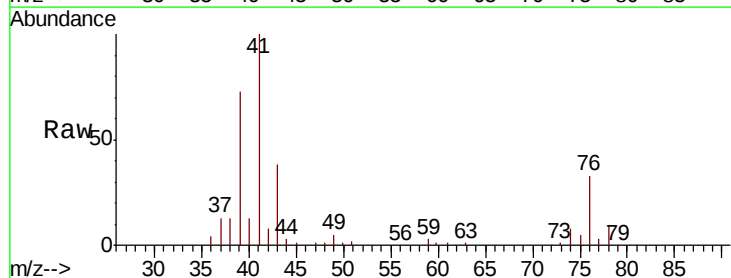
Tgt Ion: 41 Resp: 169357

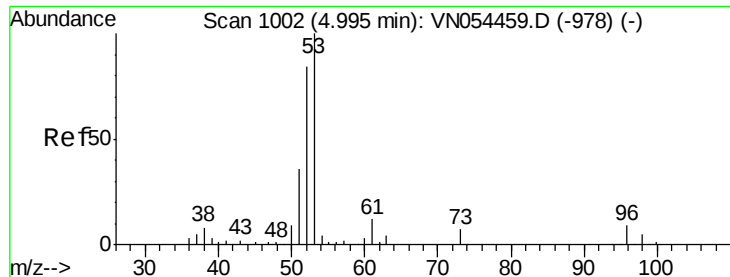
Ion Ratio Lower Upper

41 100

39 69.5 58.2 87.4

76 30.4 31.7 47.5#





#15

Acrylonitrile

Concen: 107.256 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0328WBS01

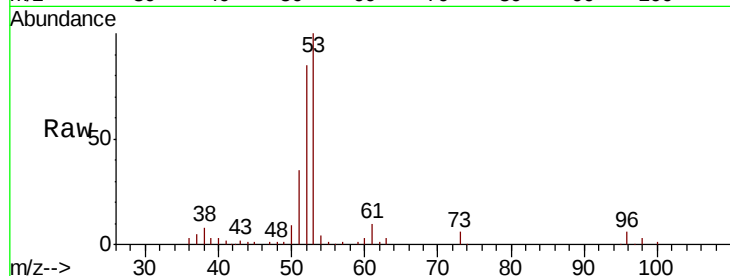
Tot Ion: 53 Resp: 181054

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

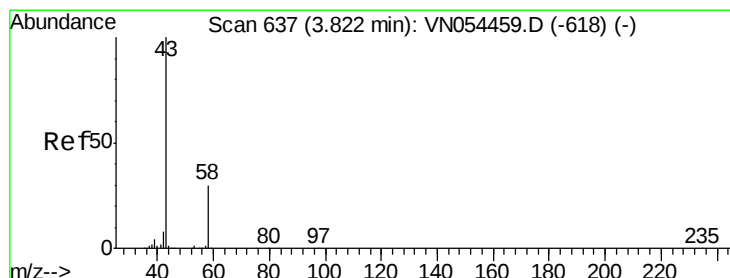
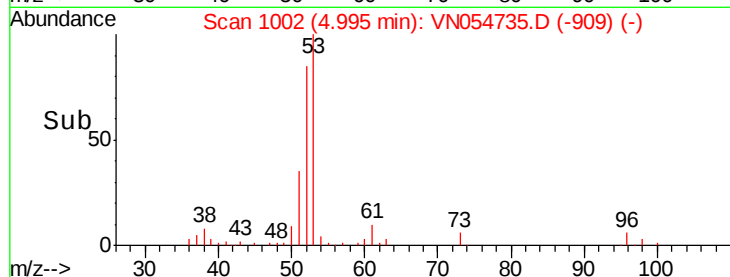
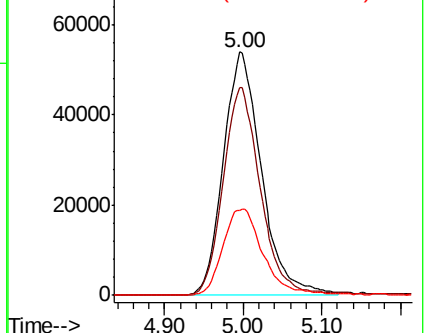
51 37.1 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 107.420 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054735.D

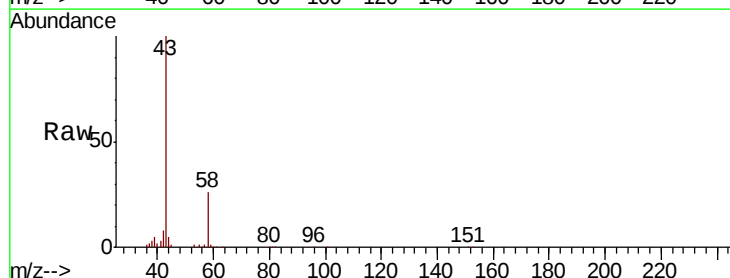
Acq: 28 Mar 2019 11:09

Tgt Ion: 43 Resp: 180823

Ion Ratio Lower Upper

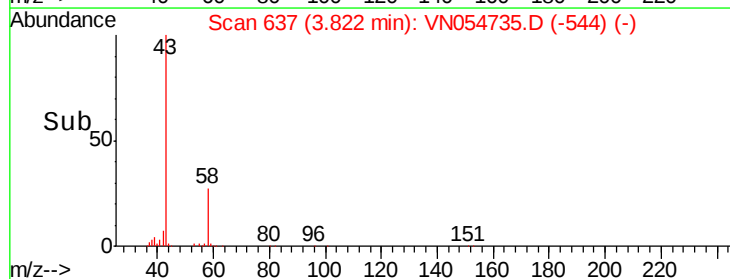
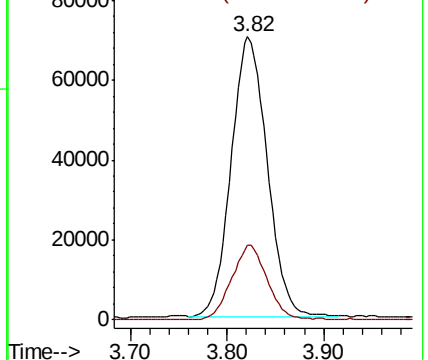
43 100

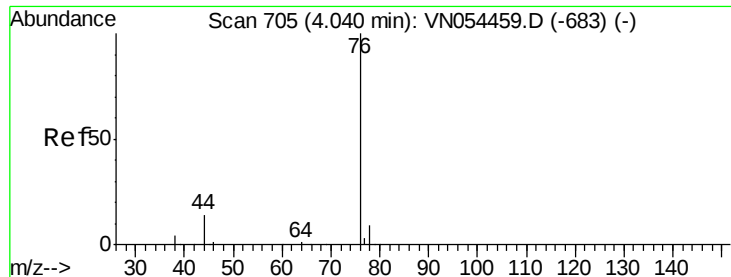
58 26.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

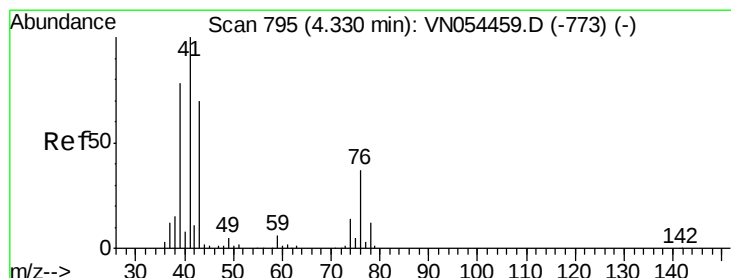
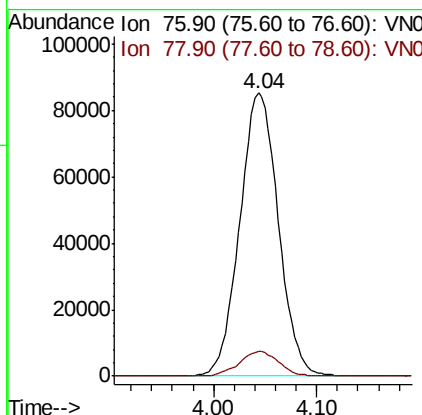
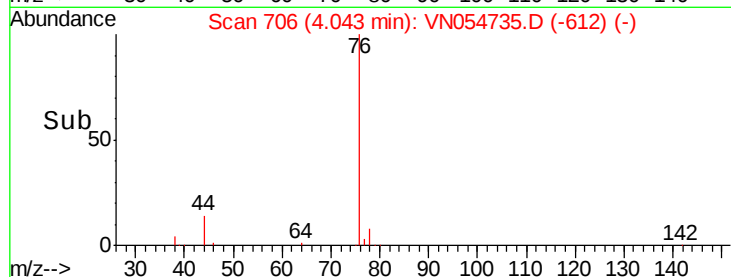
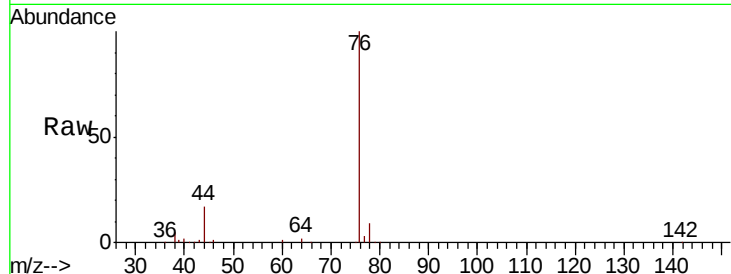




#17
Carbon Disulfide
Concen: 19.021 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

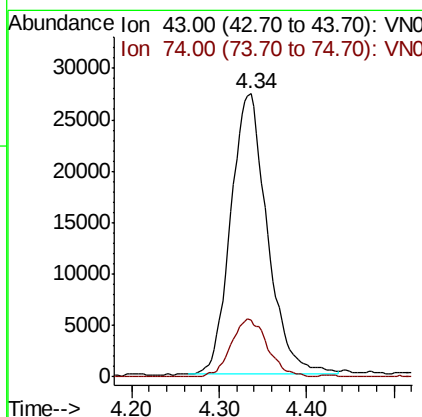
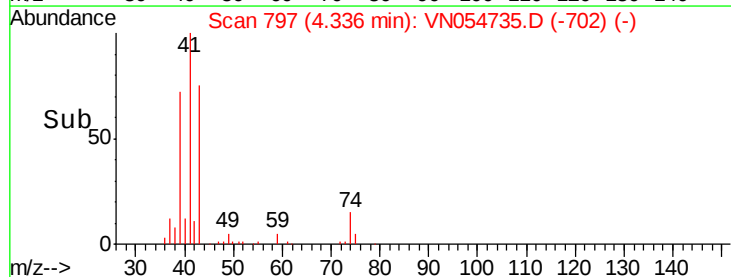
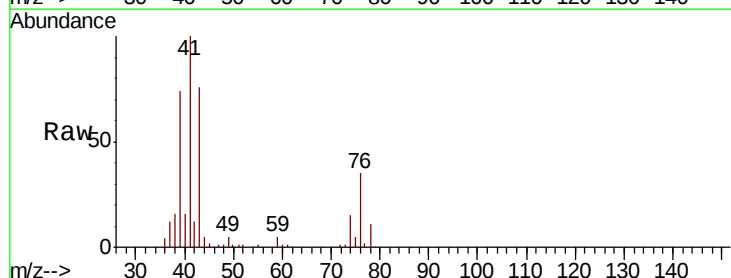
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

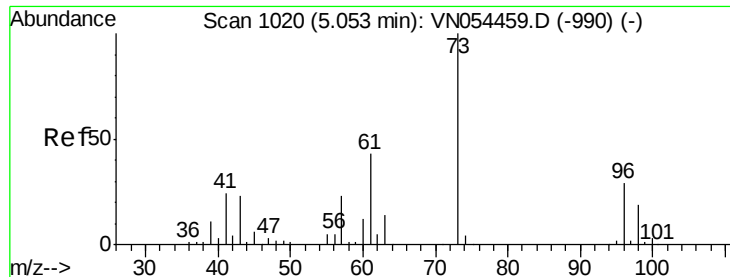
Tot Ion: 76 Resp: 221271
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 21.191 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 43 Resp: 79506
Ion Ratio Lower Upper
43 100
74 20.4 20.8 31.2#

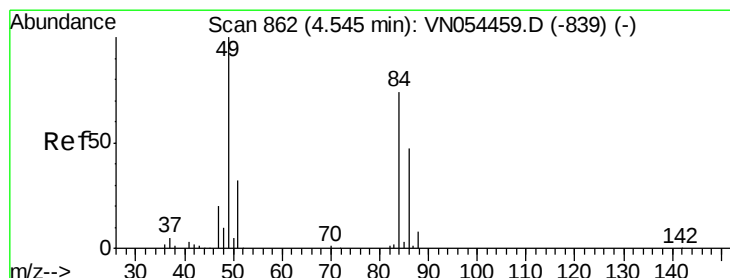
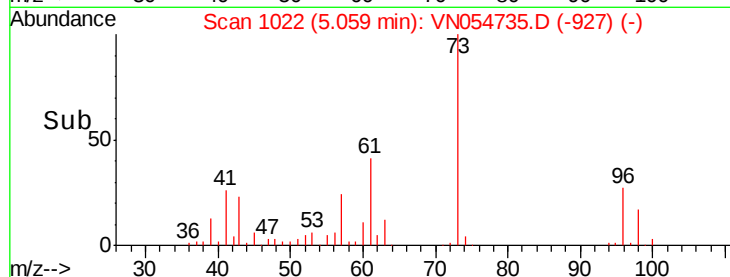
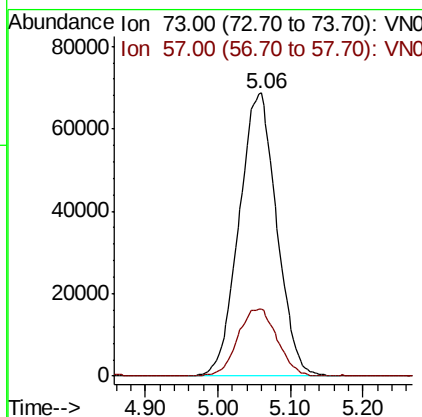
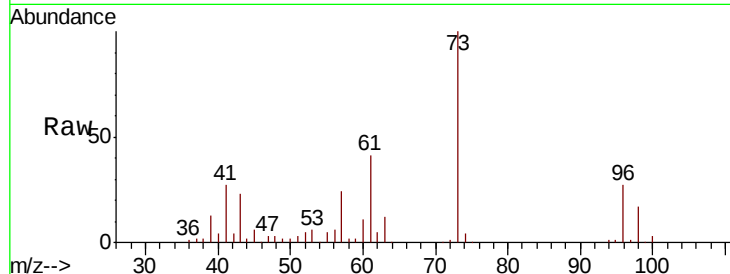




#19
Methvl tert-butvl Ether
Concen: 19.579 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

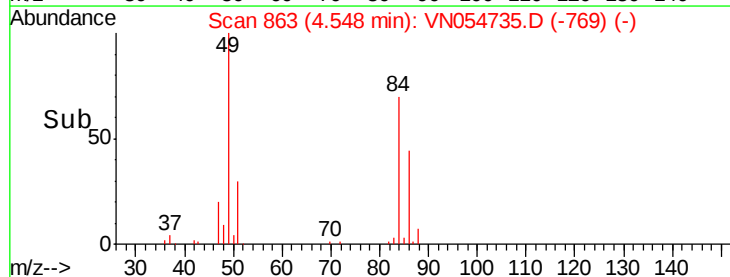
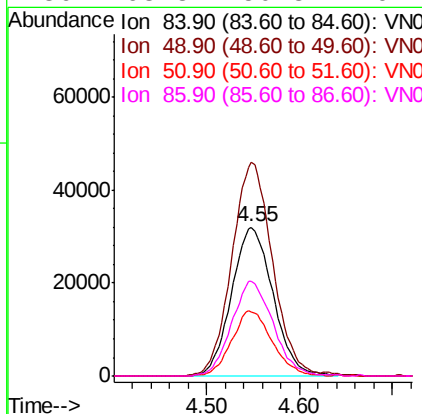
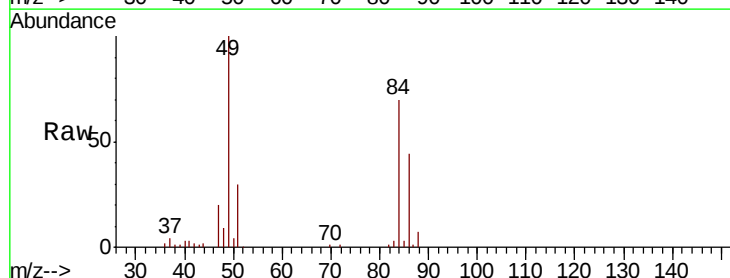
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

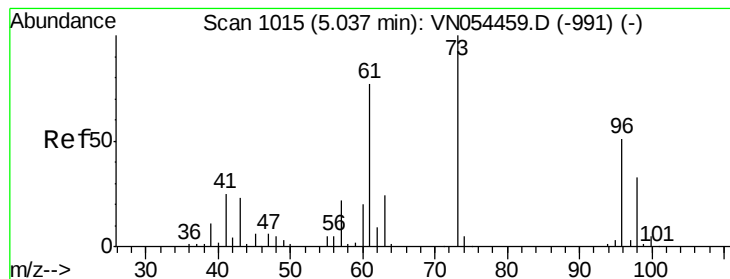
Tot Ion: 73 Resp: 248086
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2



#20
Methylene Chloride
Concen: 20.001 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 84 Resp: 99248
Ion Ratio Lower Upper
84 100
49 143.1 89.7 134.5#
51 43.2 28.2 42.4#
86 63.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.988 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

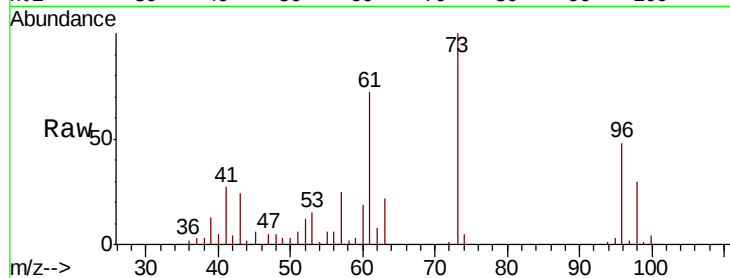
Tot Ion: 96 Resp: 93047

Ion Ratio Lower Upper

96 100

61 149.9 102.8 154.2

98 63.2 50.0 75.0

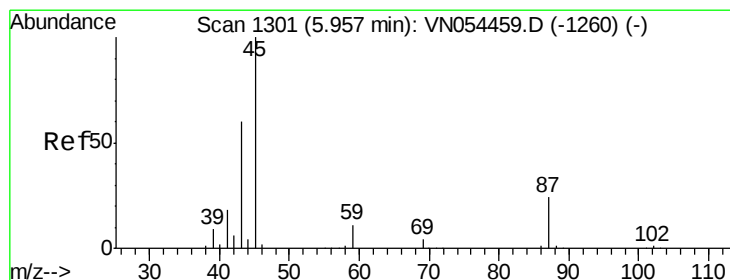
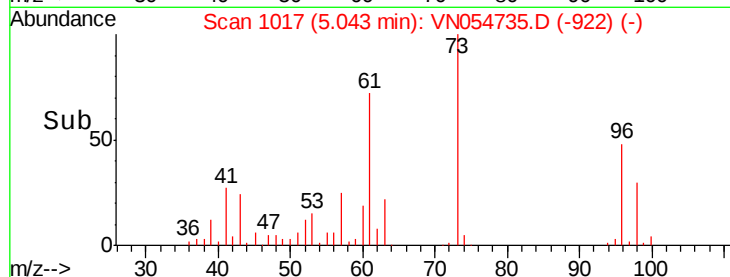
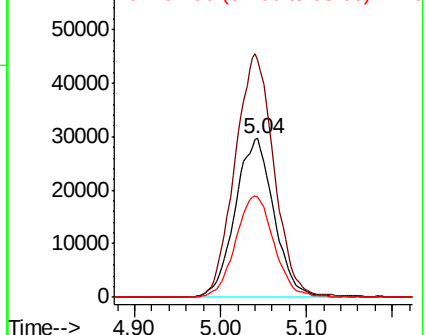


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.453 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Tgt Ion: 45 Resp: 345967

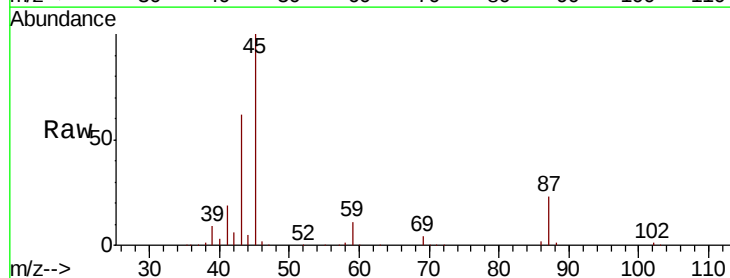
Ion Ratio Lower Upper

45 100

43 60.2 48.2 72.2

87 22.9 24.9 37.3#

59 10.9 9.5 14.3



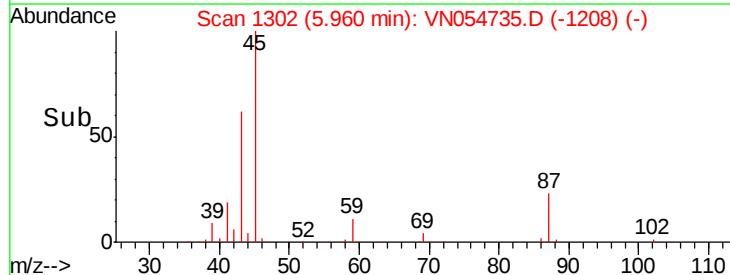
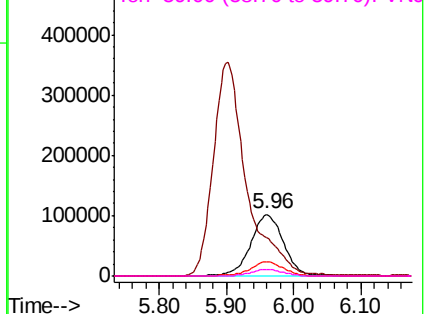
Abundance

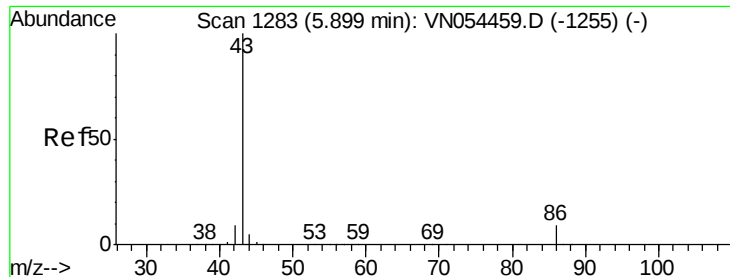
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 107.984 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

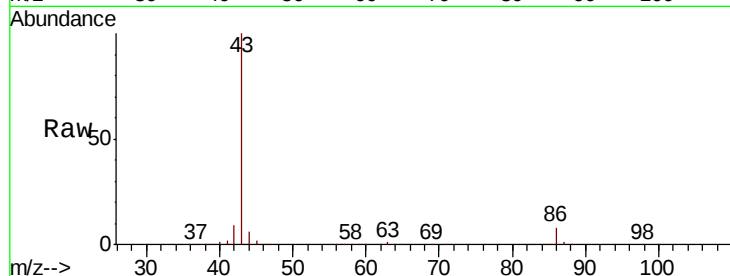
VN0328WBS01

Tot Ion: 43 Resp: 1229888

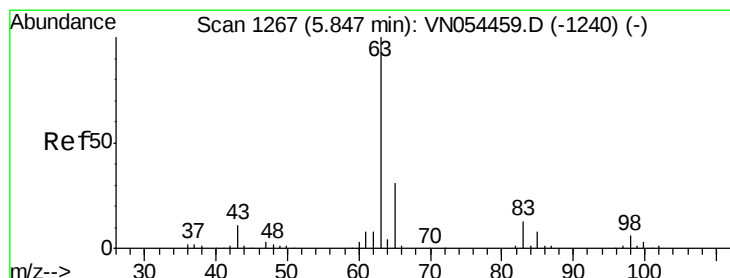
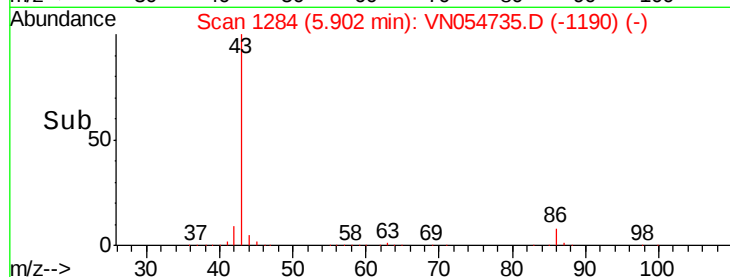
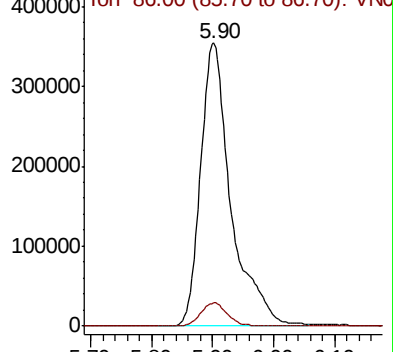
Ion Ratio Lower Upper

43 100

86 8.2 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054735.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 21.480 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

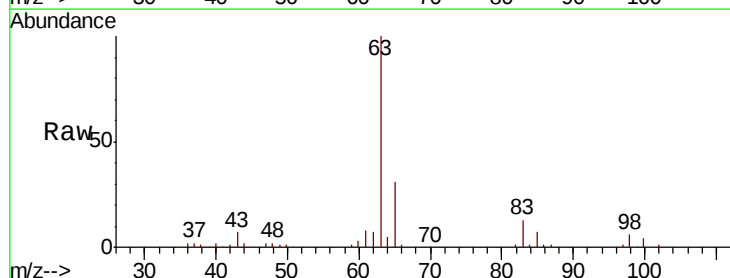
Tgt Ion: 63 Resp: 186513

Ion Ratio Lower Upper

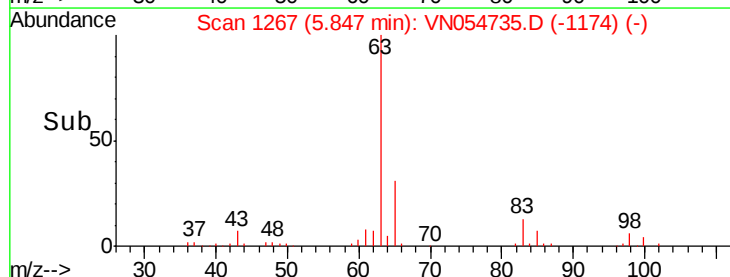
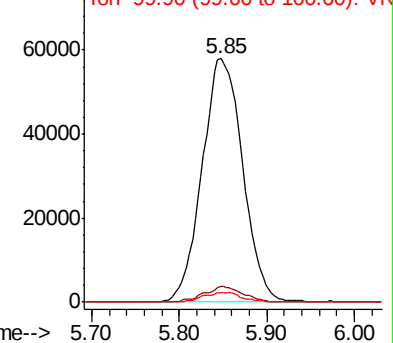
63 100

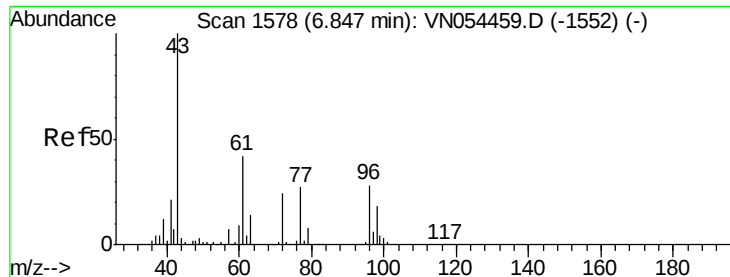
98 6.3 3.5 10.5

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054735.D (-1174) (-)





#25

2-Butanone

Concen: 111.897 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

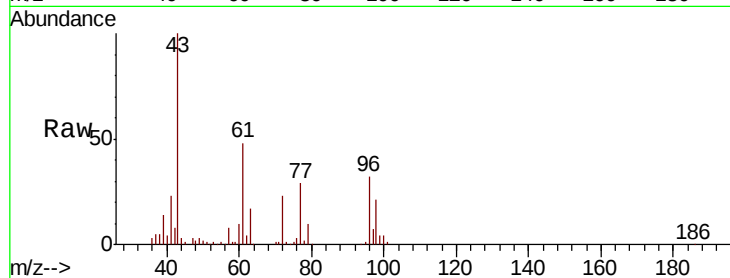
VN0328WBS01

Tot Ion: 43 Resp: 241288

Ion Ratio Lower Upper

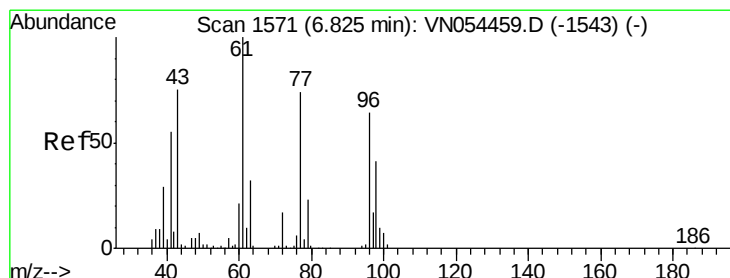
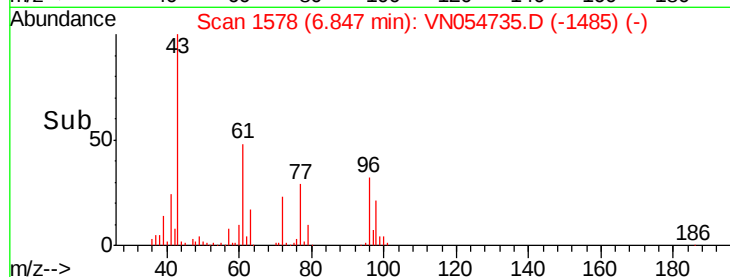
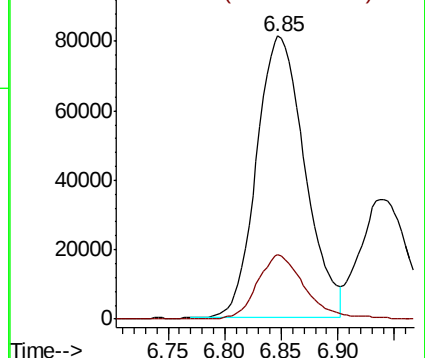
43 100

72 23.0 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: 20.780 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054735.D

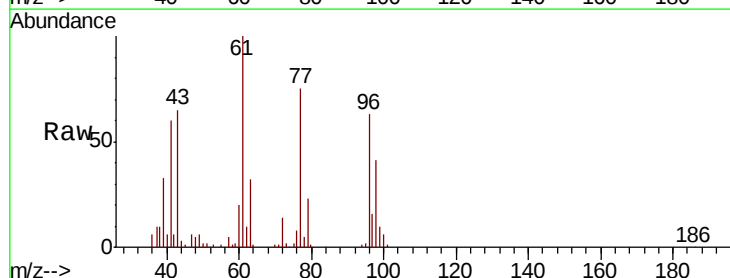
Acq: 28 Mar 2019 11:09

Tgt Ion: 77 Resp: 128621

Ion Ratio Lower Upper

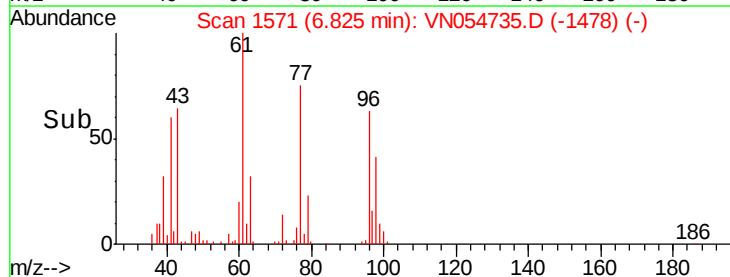
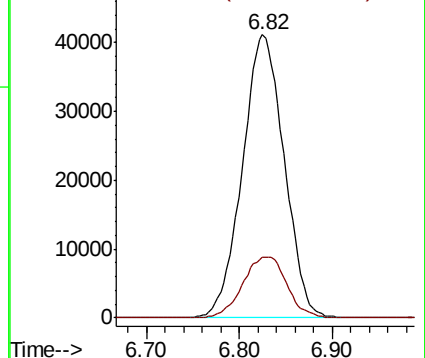
77 100

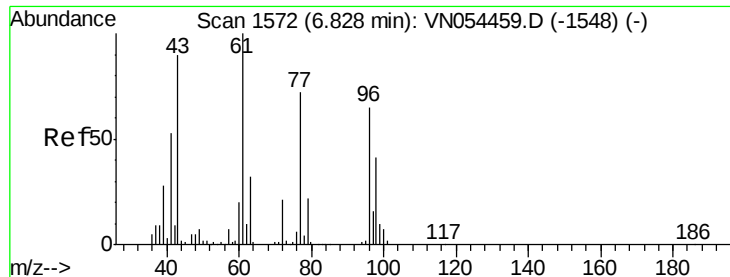
97 22.7 11.9 35.9



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: 20.048 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0328WBS01

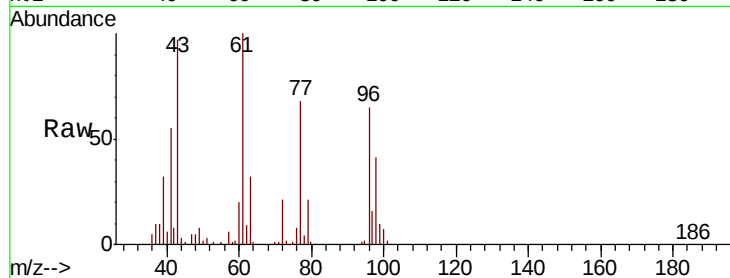
Tot Ion: 96 Resp: 106014

Ion Ratio Lower Upper

96 100

61 159.3 0.0 273.0

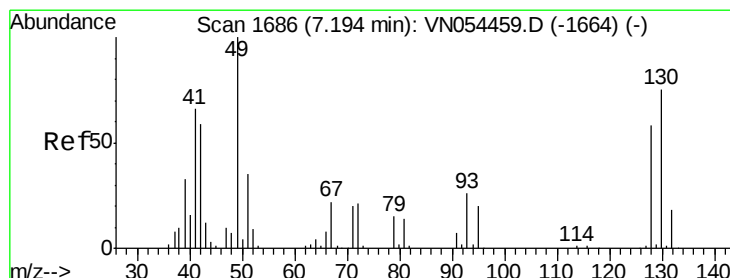
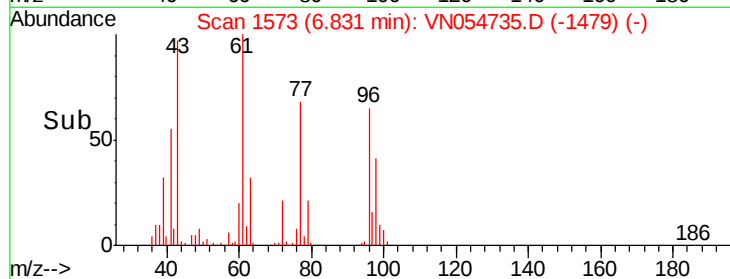
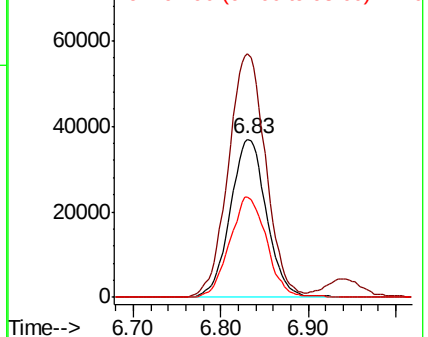
98 64.4 0.0 130.6



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: 18.397 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

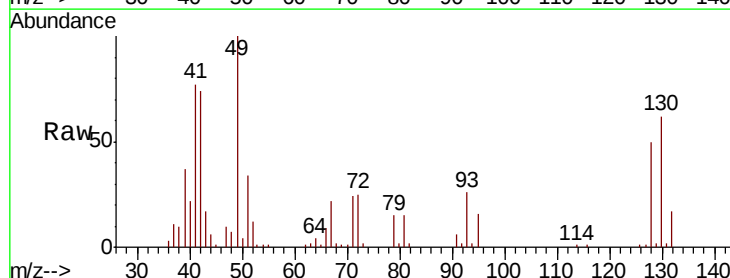
Tgt Ion: 49 Resp: 78630

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.6

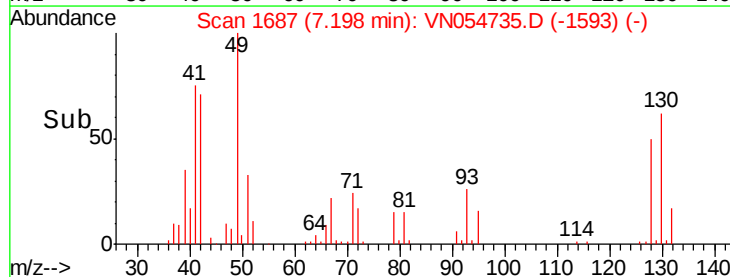
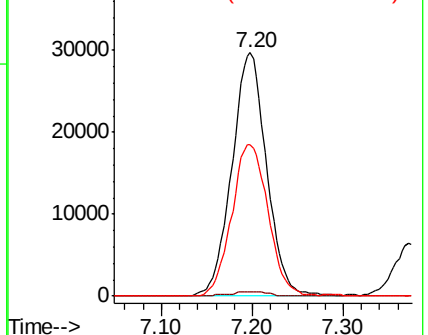
130 65.0 76.7 115.1#

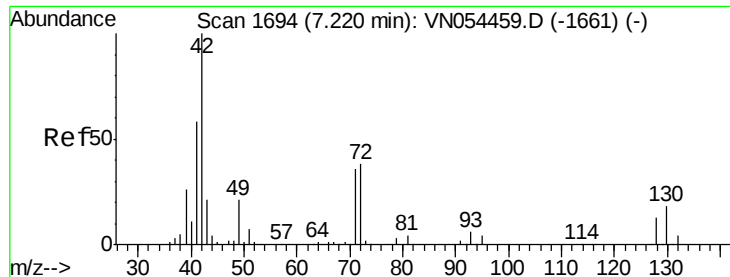


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

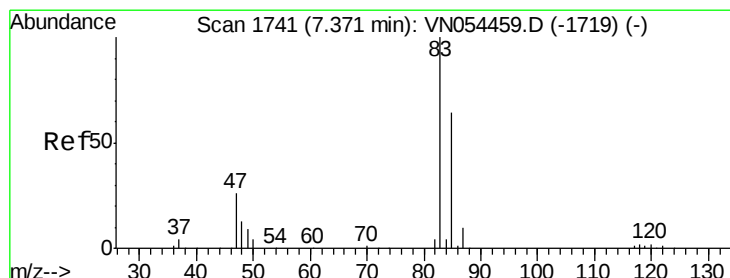
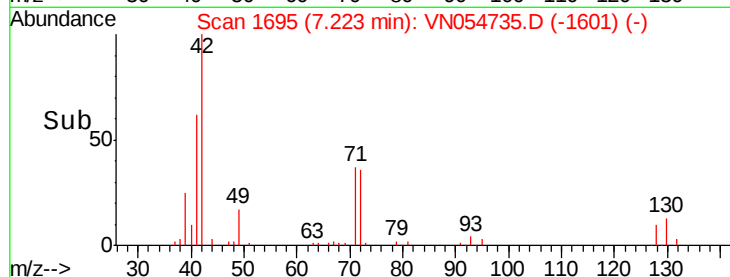
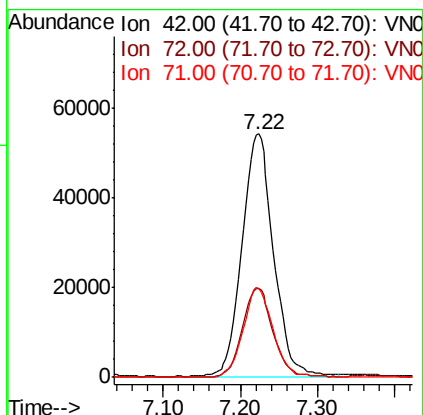
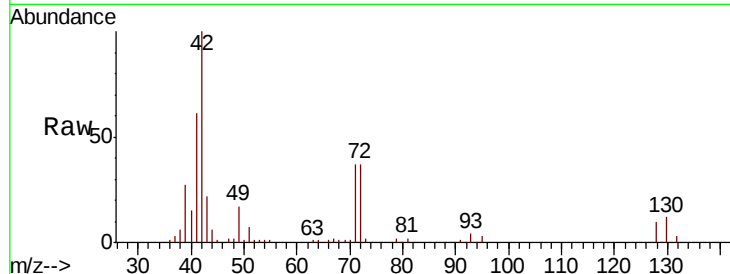




#29
Tetrahydrofuran
Concen: 109.262 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

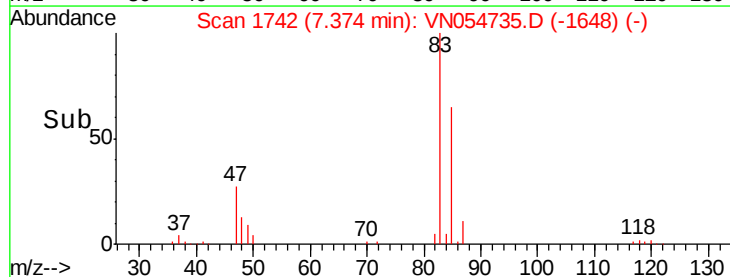
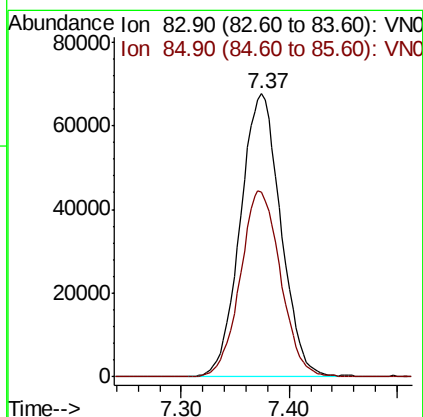
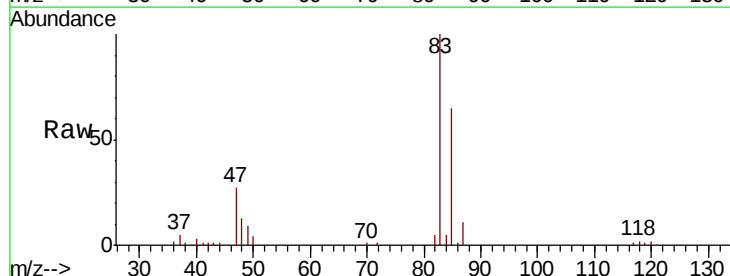
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

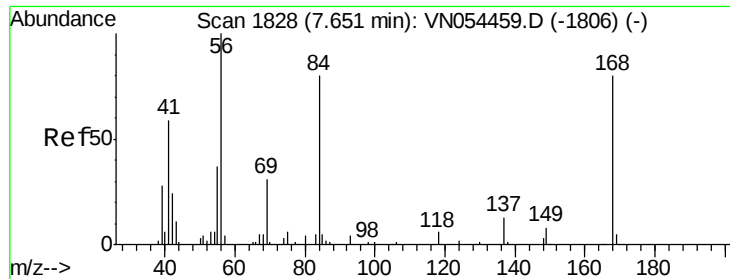
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	37.8	56.6#
71	34.6	36.2	54.2#



#30
Chloroform
Concen: 20.795 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4

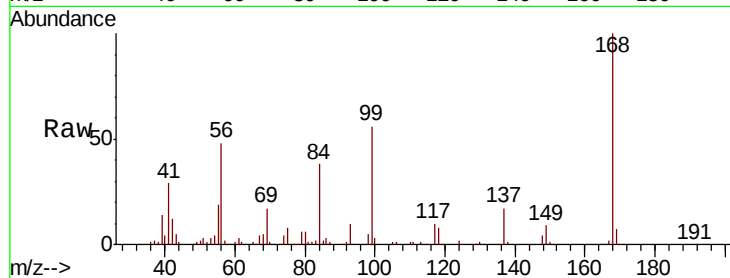




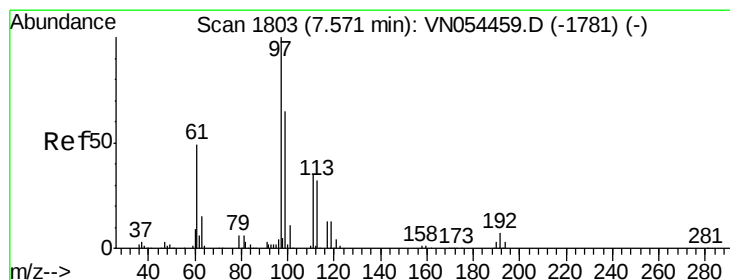
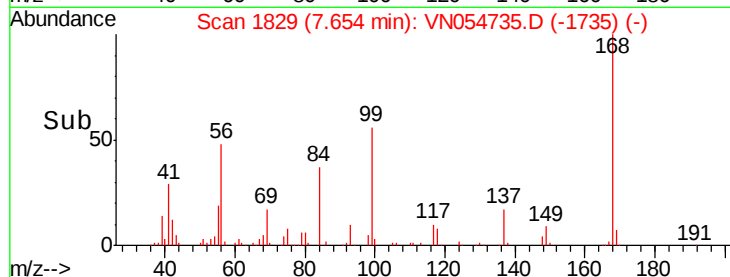
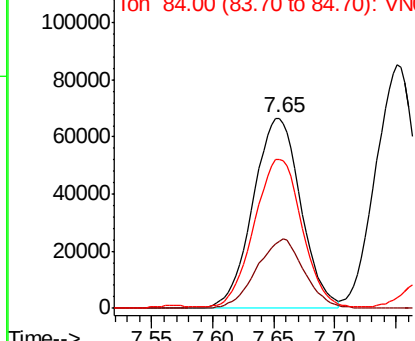
#31
Cyclohexane
Concen: 20.665 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

Tot Ion: 56 Resp: 180999
Ion Ratio Lower Upper
56 100
69 35.3 27.8 41.6
84 77.3 74.6 111.8

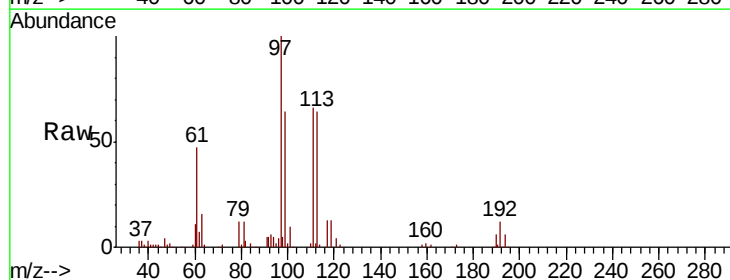


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

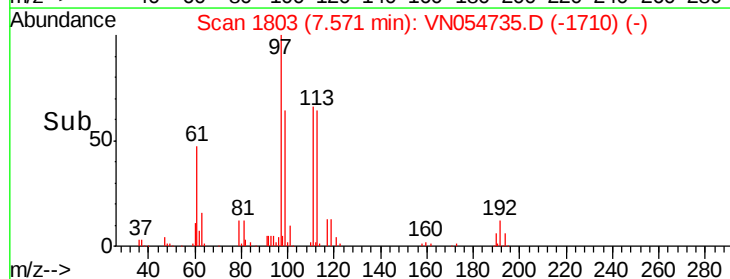
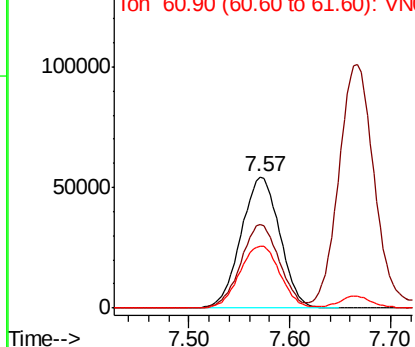


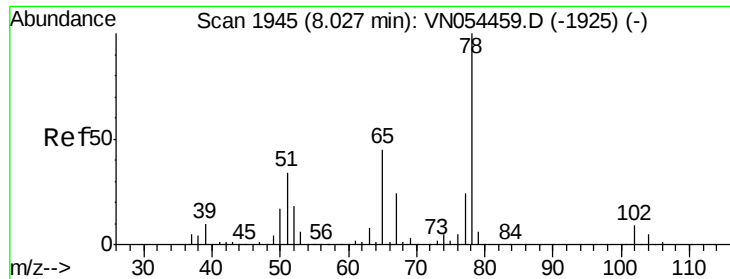
#32
1,1,1-Trichloroethane
Concen: 20.748 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 97 Resp: 145045
Ion Ratio Lower Upper
97 100
99 63.1 51.5 77.3
61 49.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

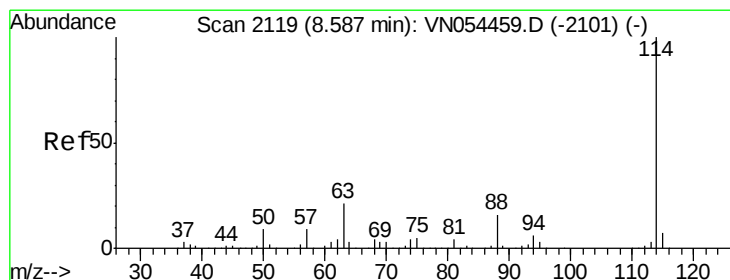
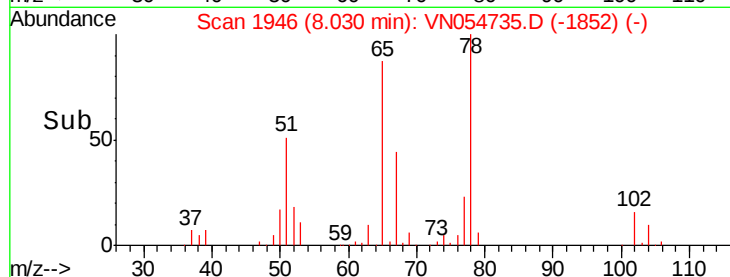
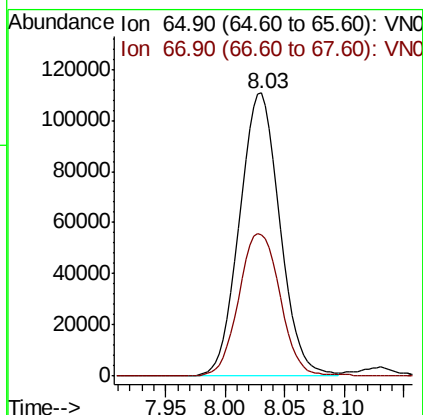
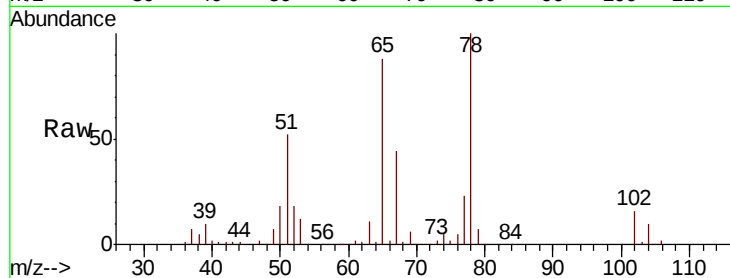




#33
 1,2-Dichloroethane-d4
 Concen: 46.533 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

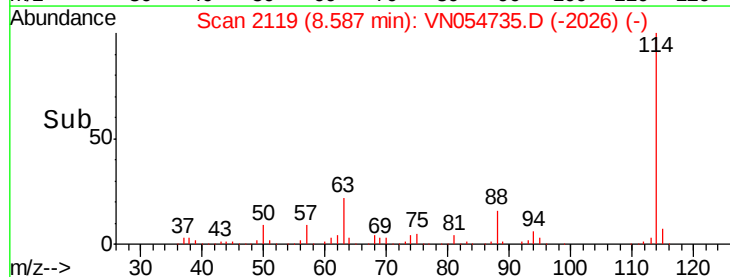
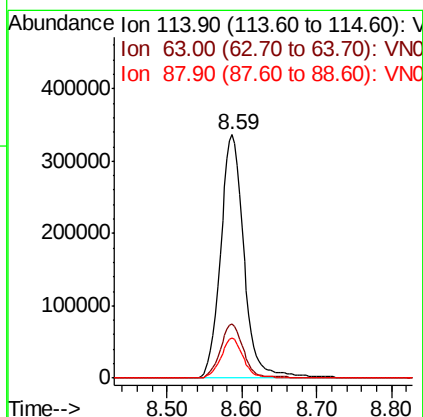
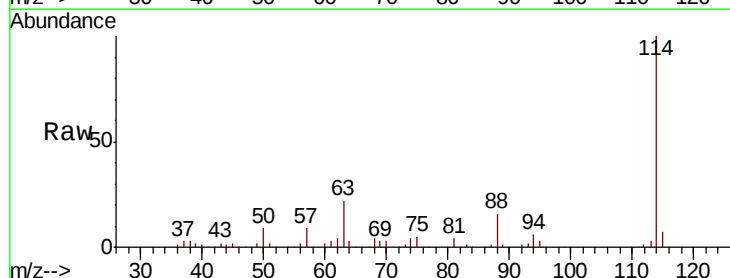
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

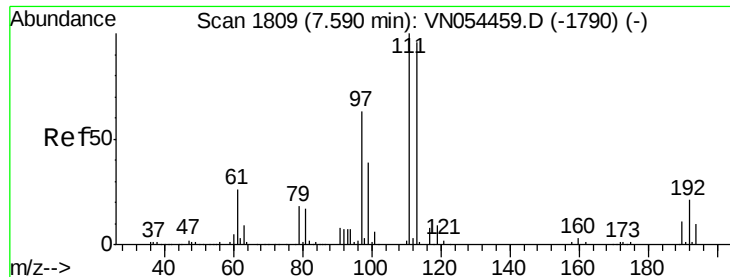
Tot Ion: 65 Resp: 260534
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion: 114 Resp: 727484
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 16.4 0.0 30.2

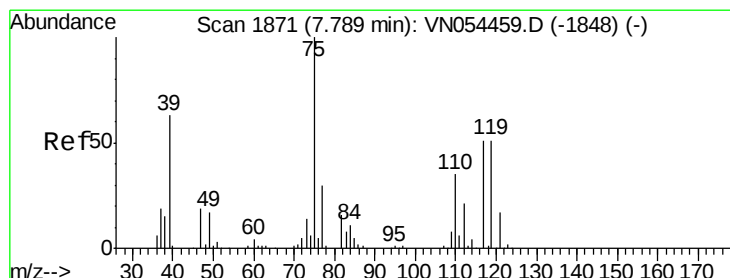
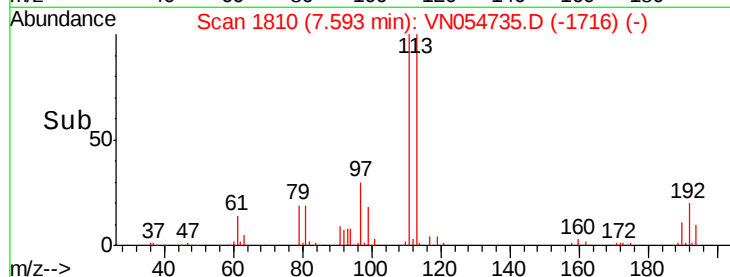
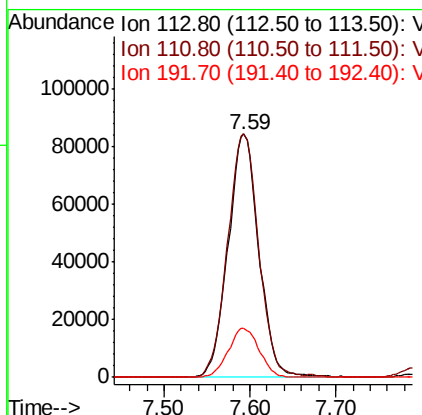
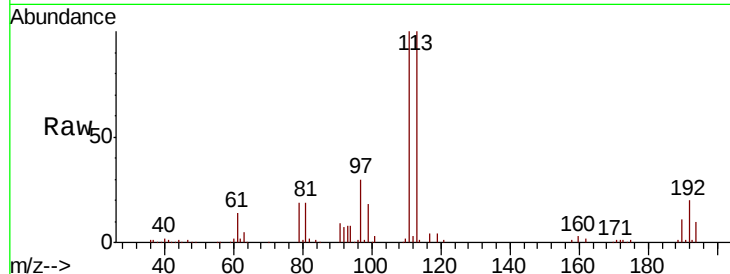




#35
 Dibromofluoromethane
 Concen: 44.574 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

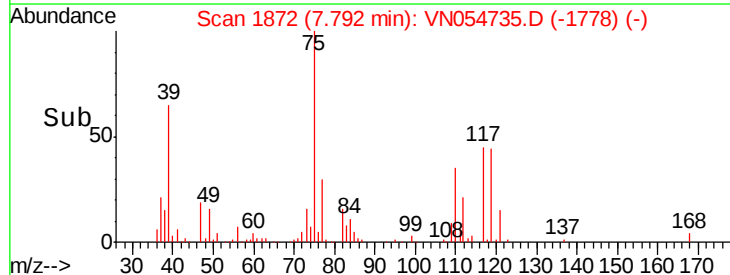
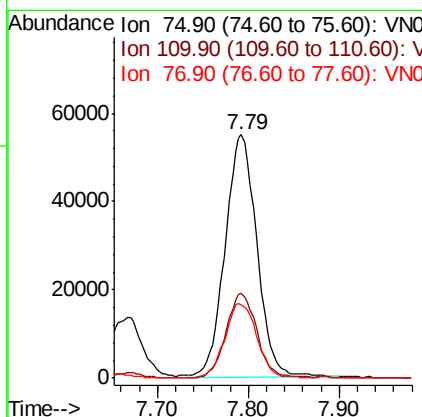
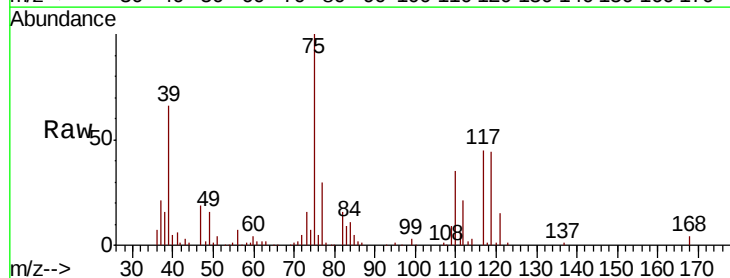
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

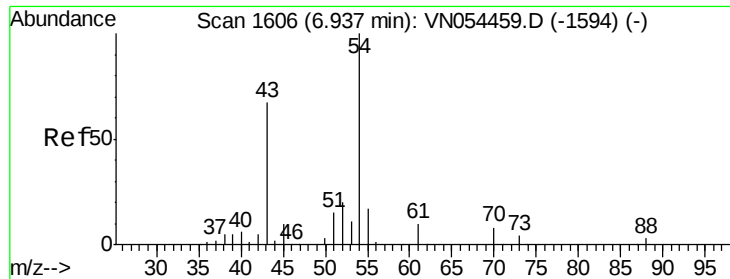
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.719 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.5
77	31.3	25.0	37.4

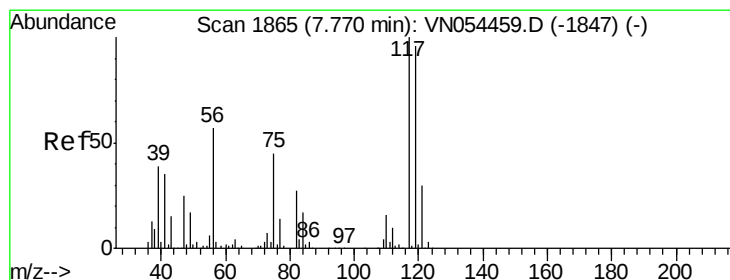
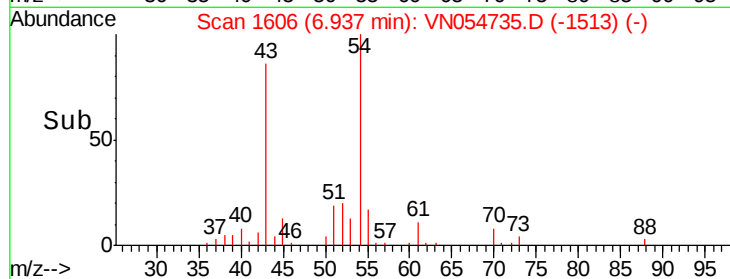
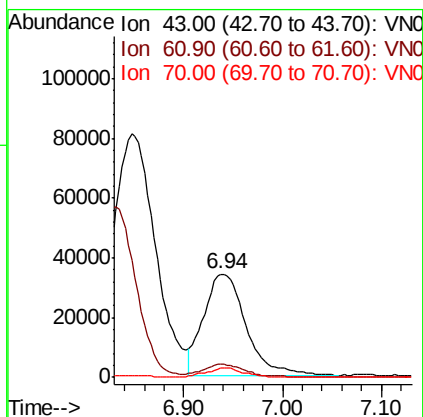
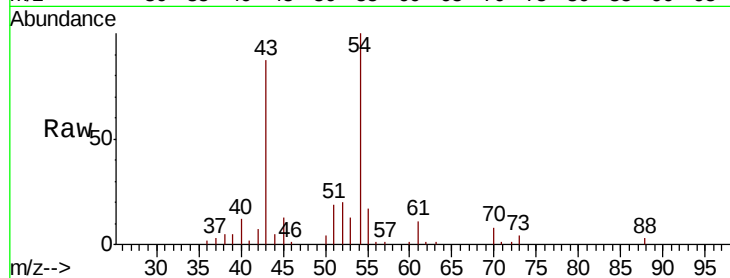




#37
Ethyl Acetate
Concen: 21.062 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

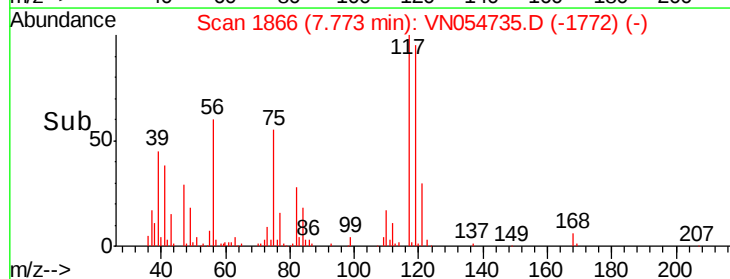
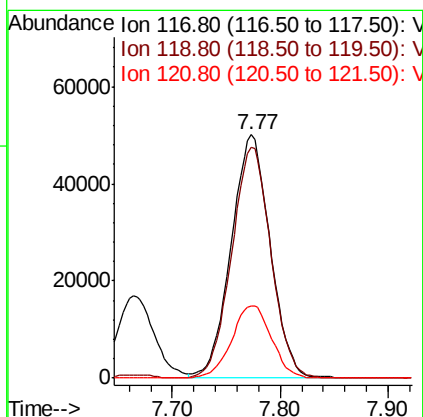
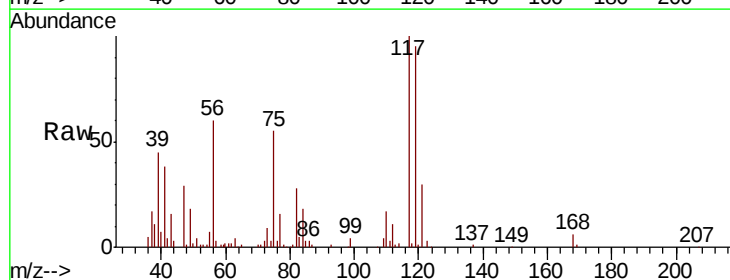
Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

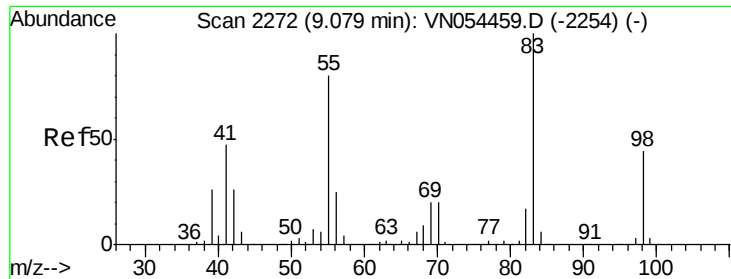
Tot Ion: 43 Resp: 101893
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 8.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.107 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 117 Resp: 126300
Ion Ratio Lower Upper
117 100
119 94.7 76.3 114.5
121 29.7 24.6 36.8

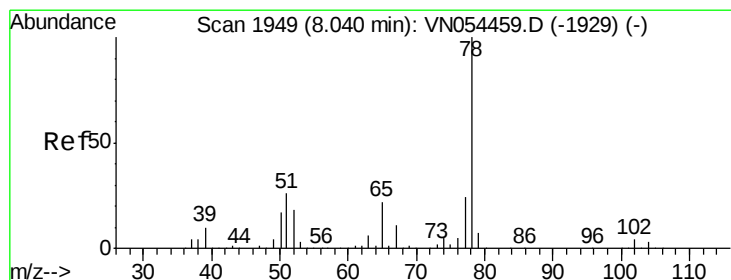
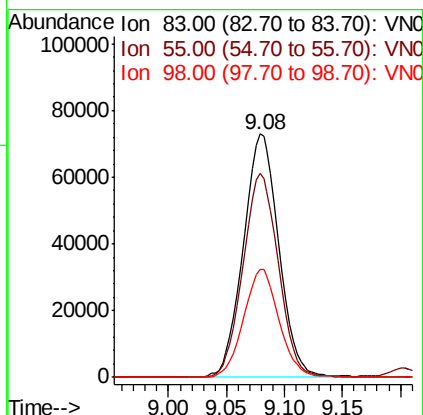
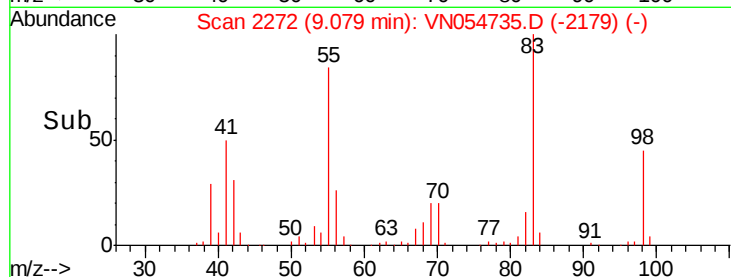
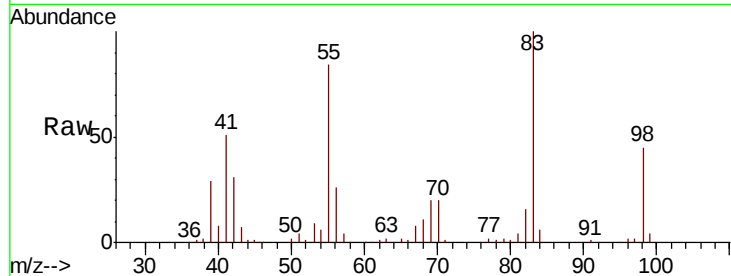




#39
Methvlcvclohexane
Concen: 20.034 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

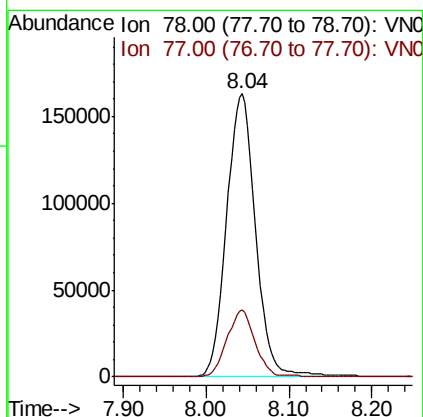
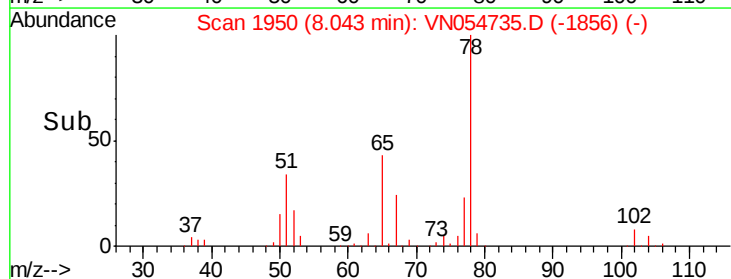
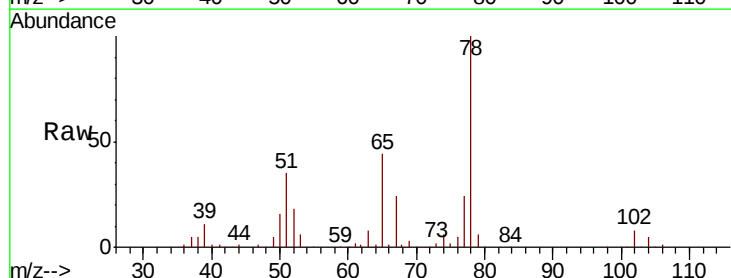
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

Tot Ion: 83 Resp: 155880
Ion Ratio Lower Upper
83 100
55 83.7 56.6 84.8
98 44.6 38.4 57.6



#40
Benzene
Concen: 20.391 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 78 Resp: 396630
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

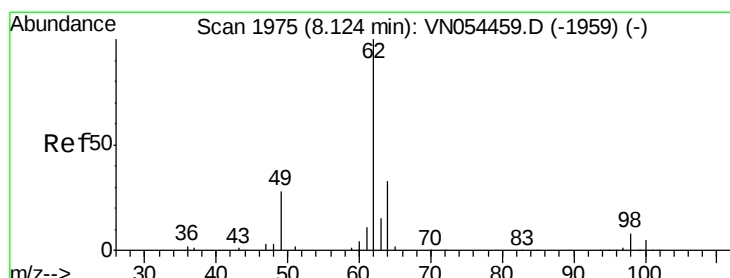
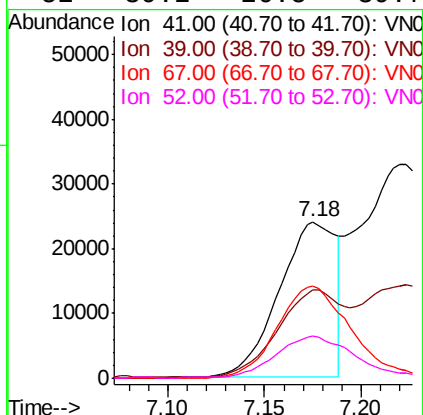
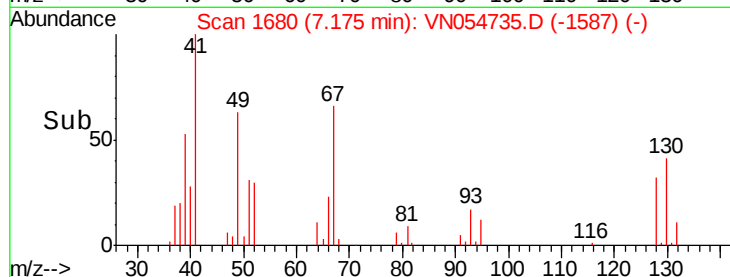
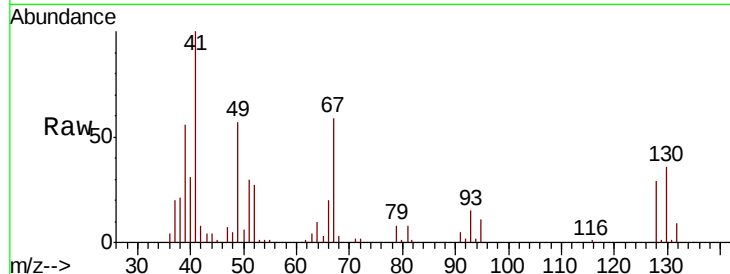




#41
Methacrylonitrile
Concen: 16.657 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

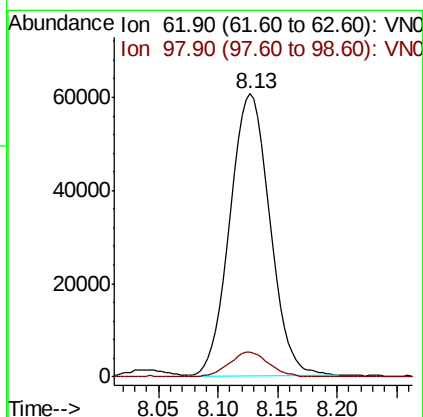
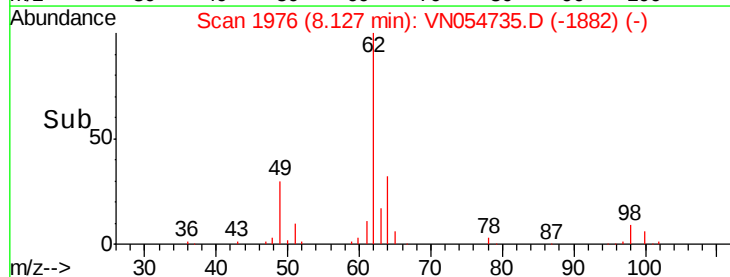
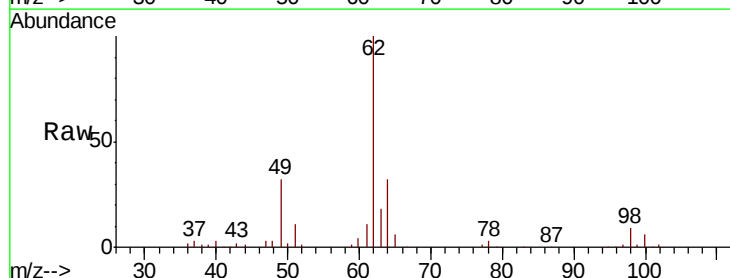
Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

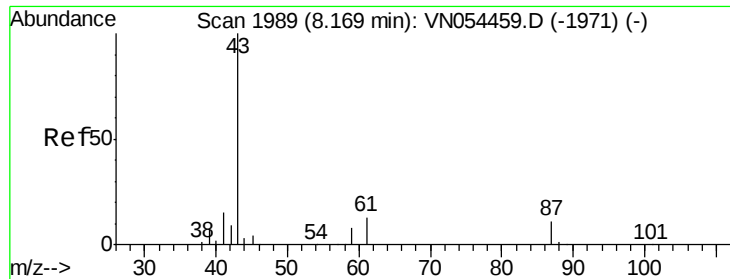
Tot Ion: 41 Resp: 49143
Ion Ratio Lower Upper
41 100
39 65.2 46.8 70.2
67 77.7 67.0 100.4
52 39.2 26.5 39.7



#42
1,2-Dichloroethane
Concen: 19.897 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 62 Resp: 140943
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.527 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

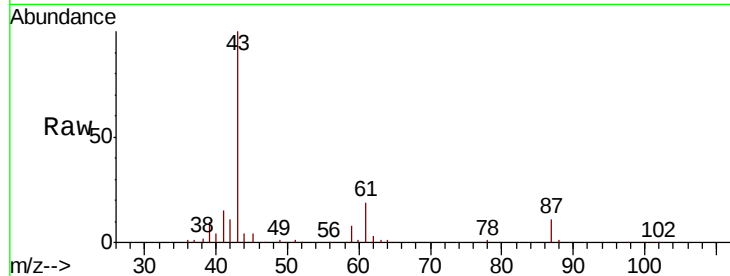
Tot Ion: 43 Resp: 167712

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

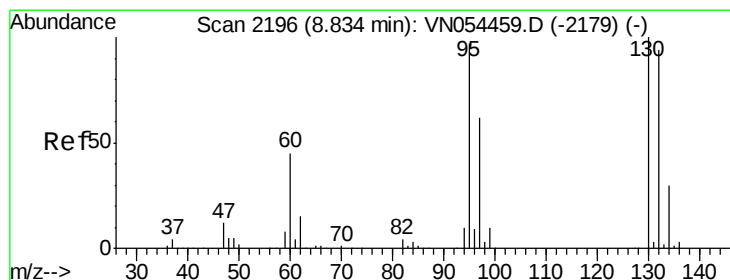
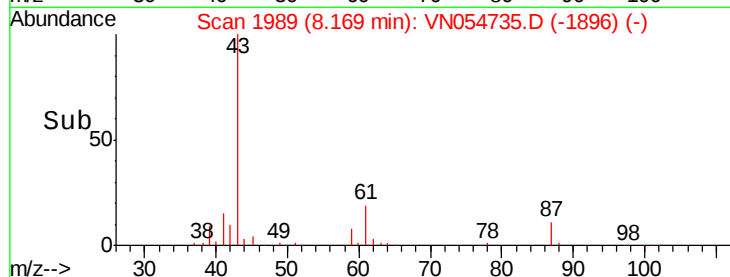
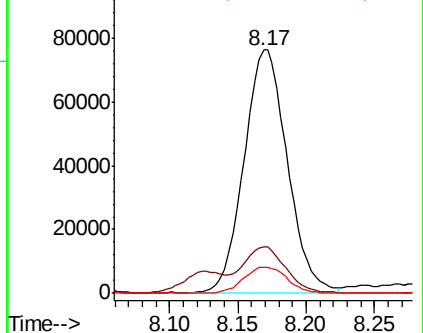
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.987 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054735.D

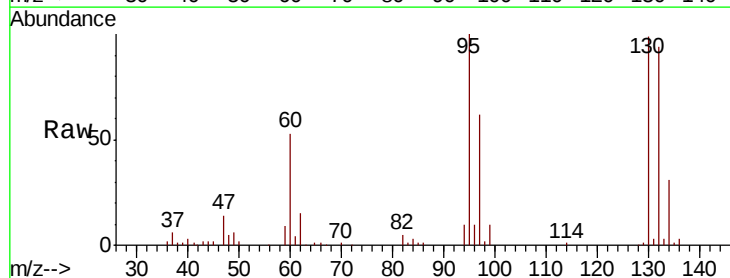
Acq: 28 Mar 2019 11:09

Tgt Ion:130 Resp: 102678

Ion Ratio Lower Upper

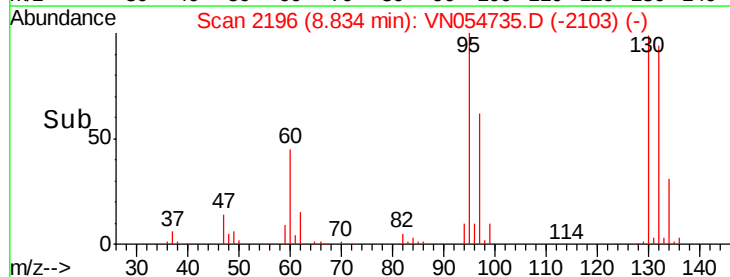
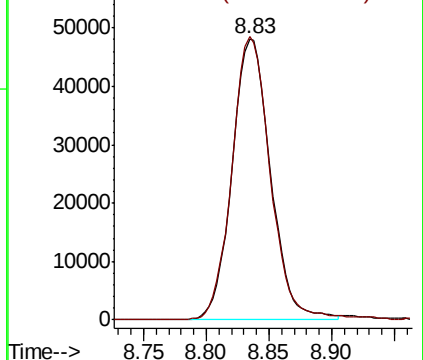
130 100

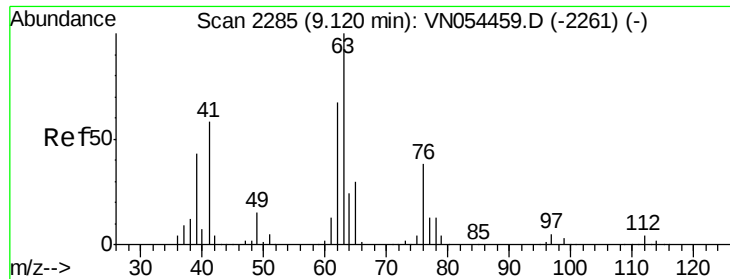
95 100.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.093 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

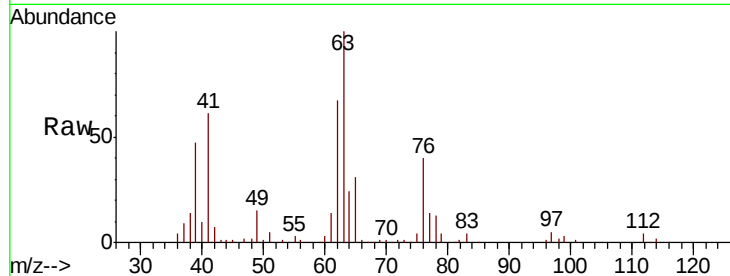
VN0328WBS01

Tot Ion: 63 Resp: 110167

Ion Ratio Lower Upper

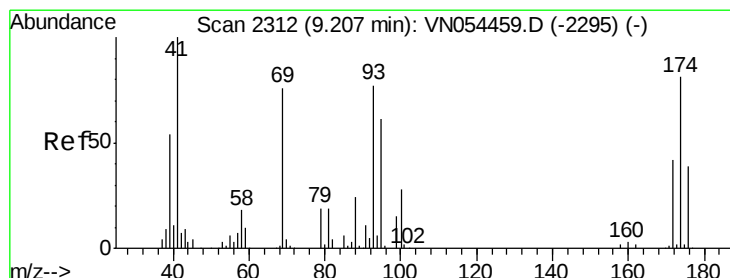
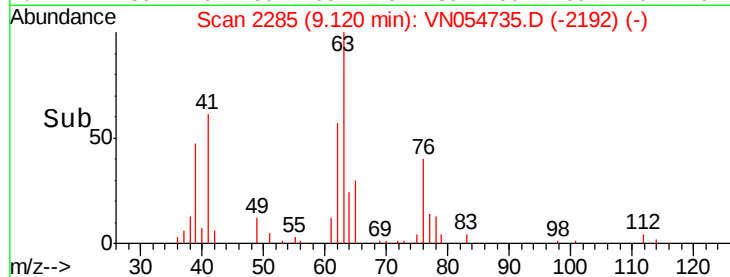
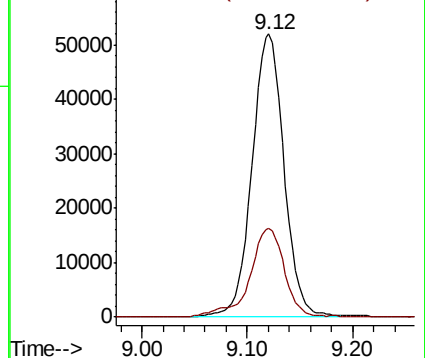
63 100

65 31.1 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: 20.652 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

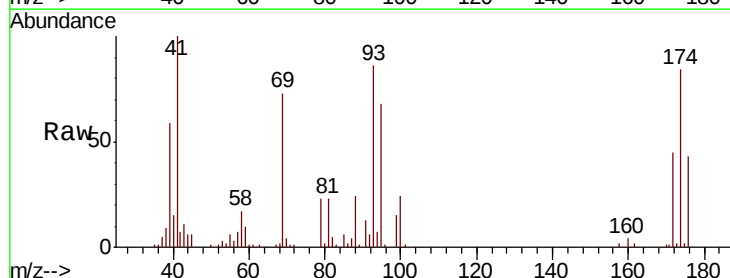
Tgt Ion: 93 Resp: 64348

Ion Ratio Lower Upper

93 100

95 78.7 66.7 100.1

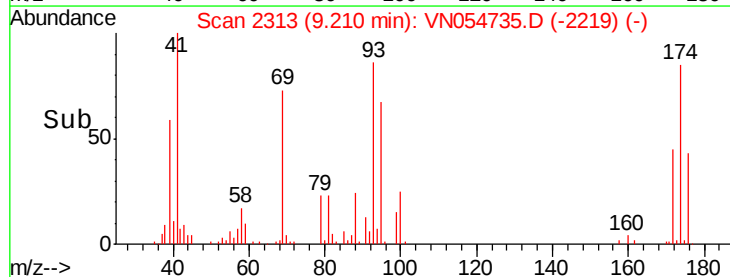
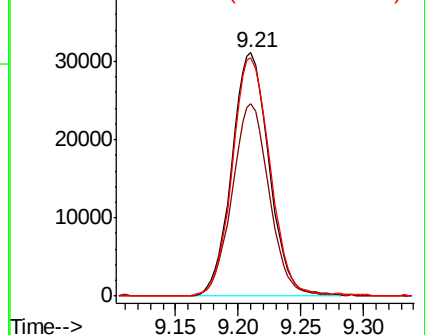
174 99.0 98.5 147.7

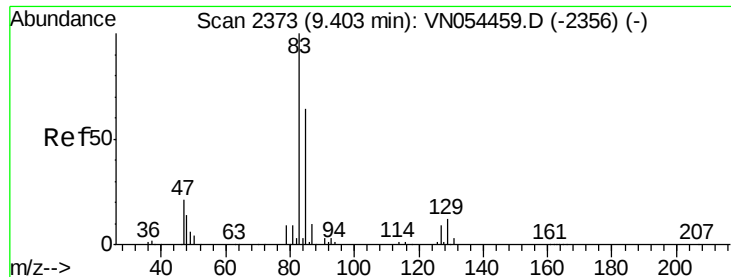


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.262 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

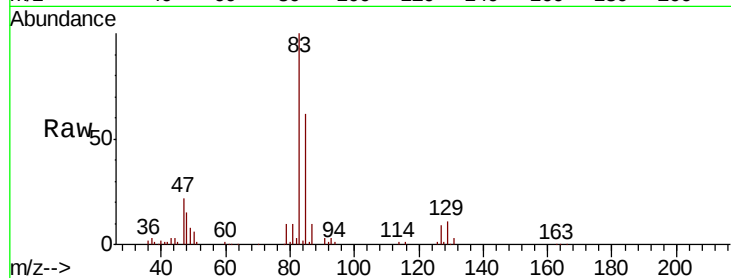
Tot Ion: 83 Resp: 131028

Ion Ratio Lower Upper

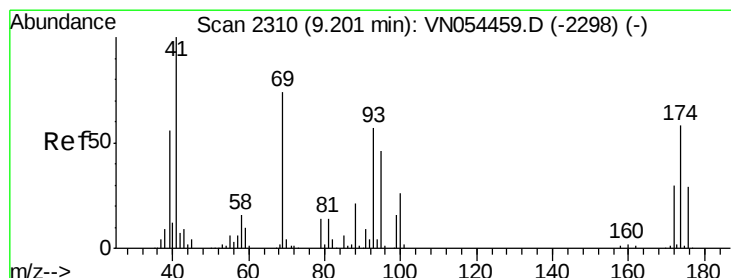
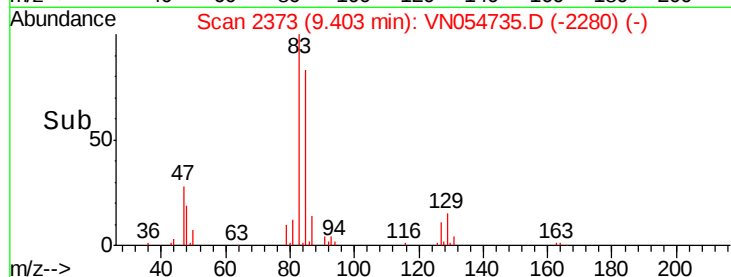
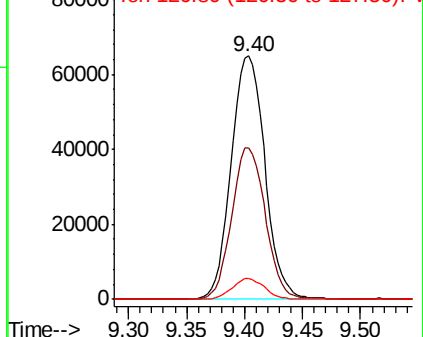
83 100

85 62.5 52.8 79.2

127 8.6 7.4 11.2



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



#48

Methyl methacrylate

Concen: 19.489 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

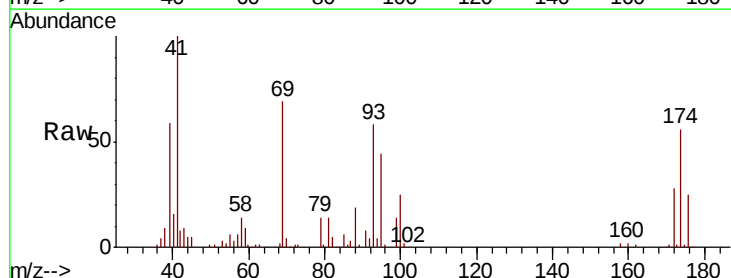
Tgt Ion: 41 Resp: 86424

Ion Ratio Lower Upper

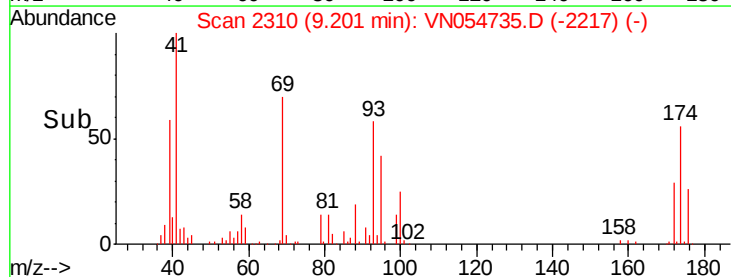
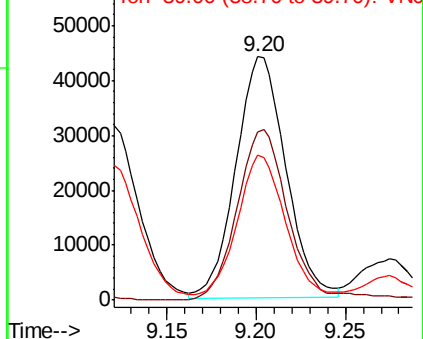
41 100

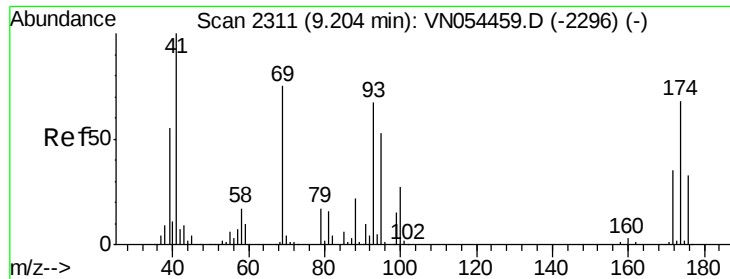
69 70.0 72.6 108.8#

39 56.5 47.5 71.3



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





#49

1,4-Dioxane

Concen: 393.494 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

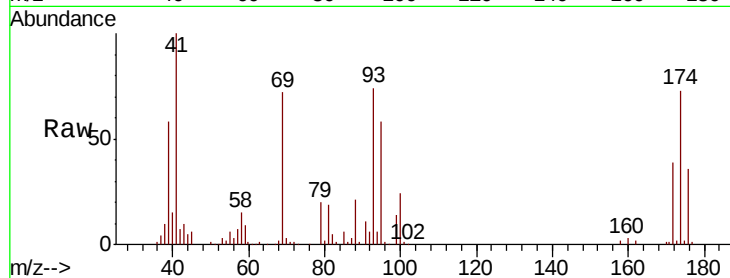
Tot Ion: 88 Resp: 19508

Ion Ratio Lower Upper

88 100

43 38.7 24.1 36.1#

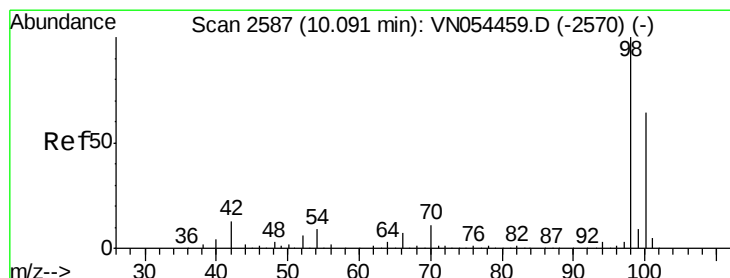
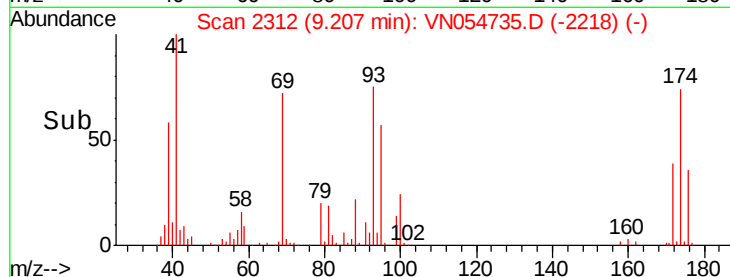
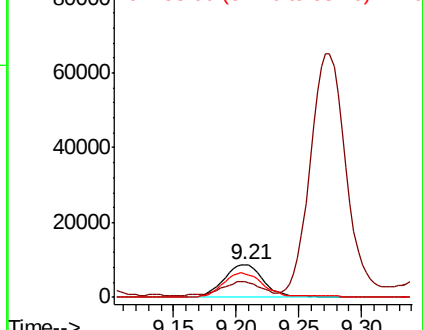
58 73.5 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 43.057 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054735.D

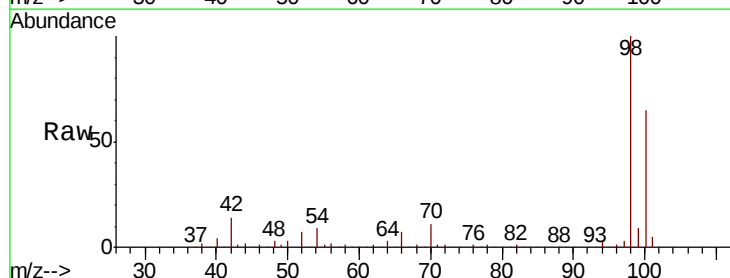
Acq: 28 Mar 2019 11:09

Tgt Ion: 98 Resp: 758641

Ion Ratio Lower Upper

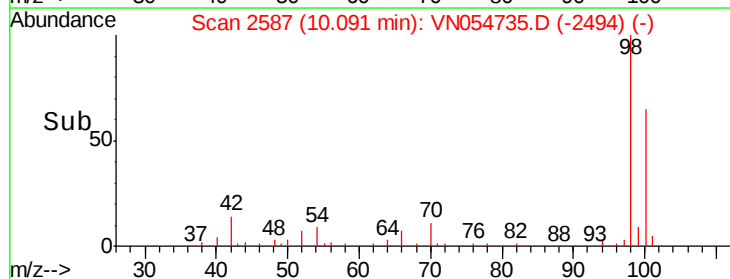
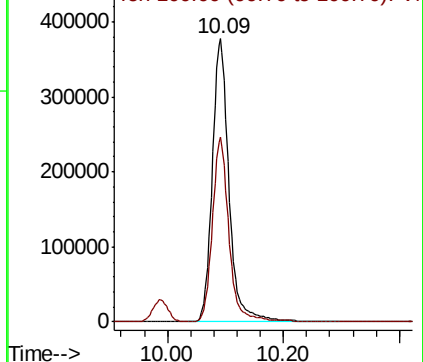
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

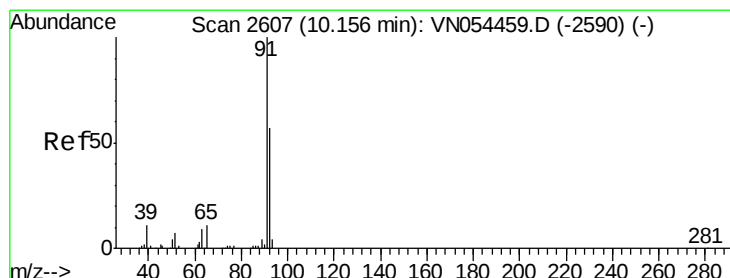
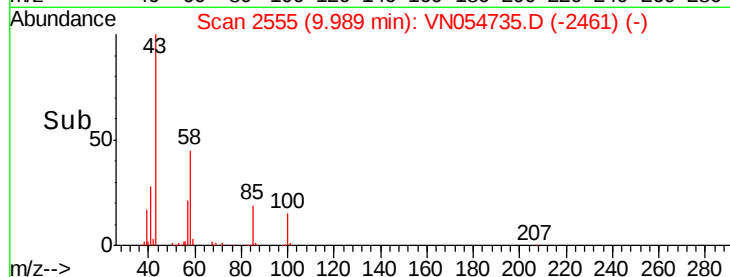
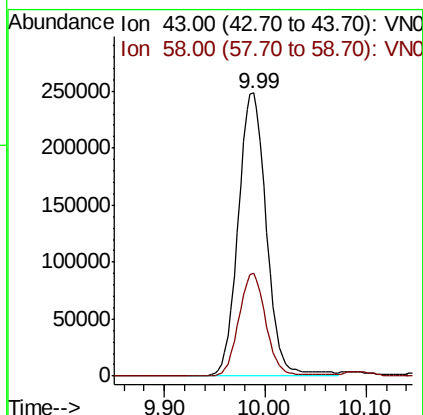
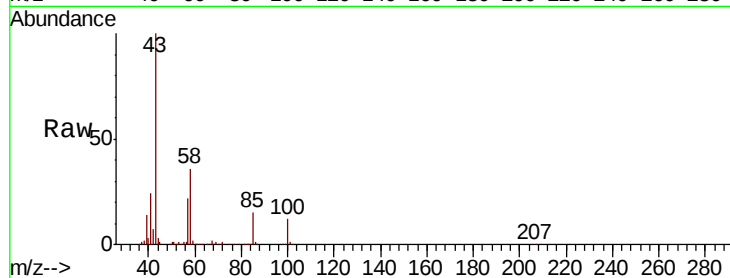




#51
4-Methyl-2-Pentanone
Concen: 105.551 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

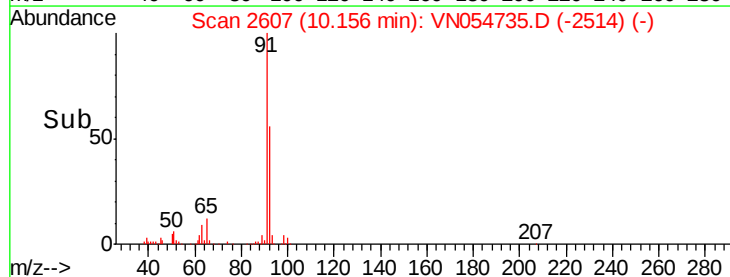
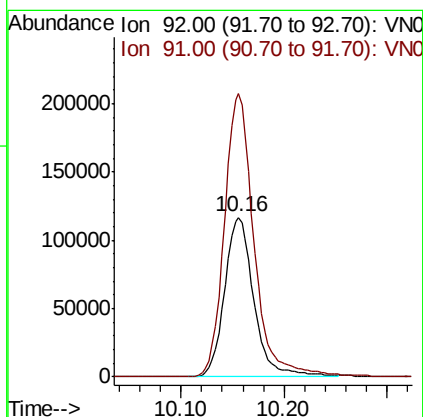
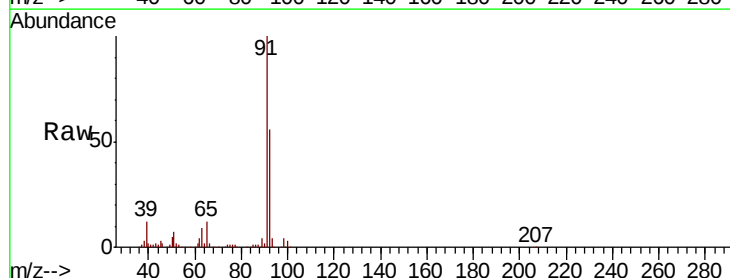
Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

Tot Ion: 43 Resp: 477945
Ion Ratio Lower Upper
43 100
58 34.8 31.8 47.6



#52
Toluene
Concen: 19.357 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 92 Resp: 231566
Ion Ratio Lower Upper
92 100
91 180.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.698 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

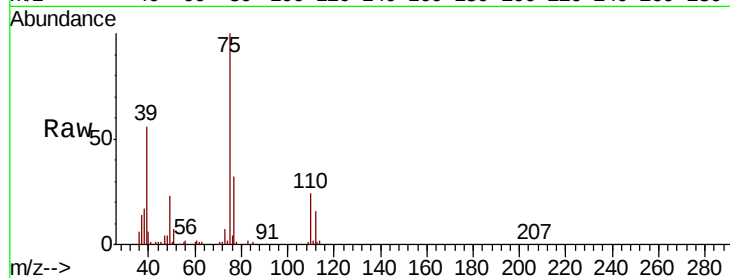
VN0328WBS01

Tot Ion: 75 Resp: 117569

Ion Ratio Lower Upper

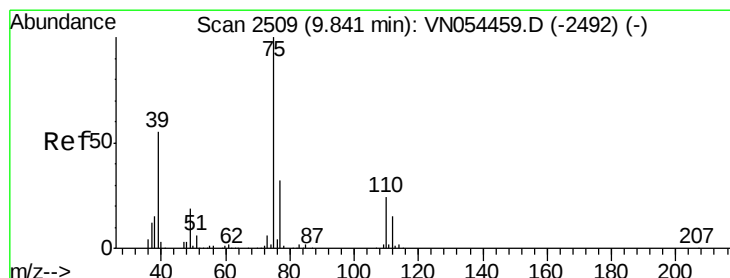
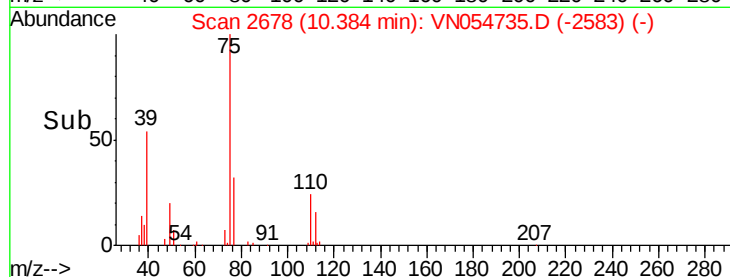
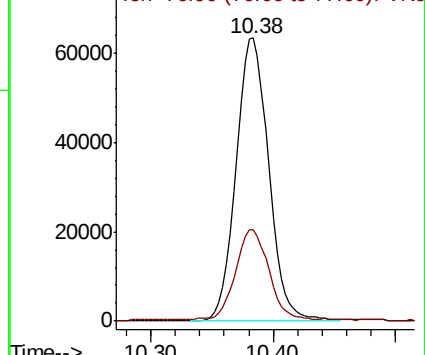
75 100

77 32.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.123 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

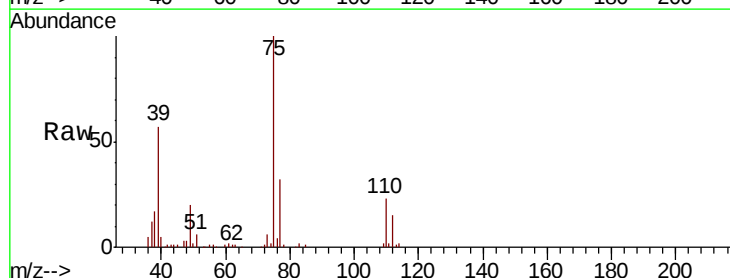
Tgt Ion: 75 Resp: 149204

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

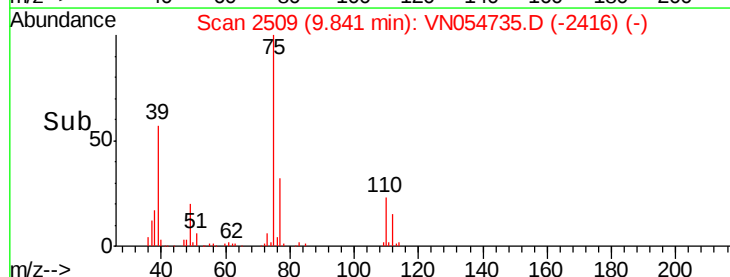
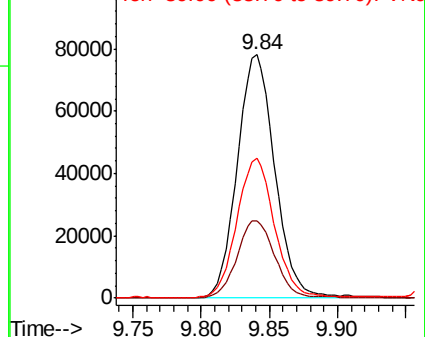
39 57.0 37.2 55.8#

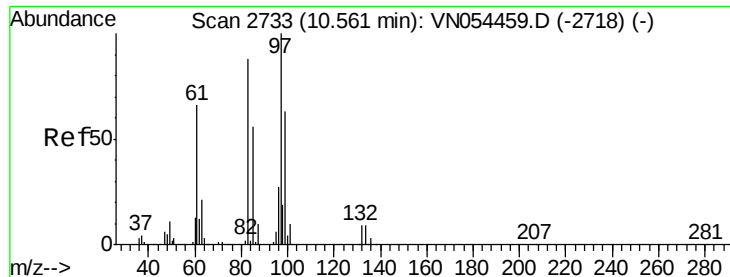


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.301 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

Tot Ion: 97 Resp: 87300

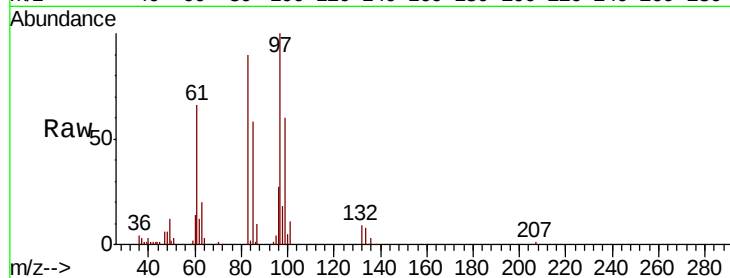
Ion Ratio Lower Upper

97 100

83 90.1 66.6 100.0

85 57.7 44.4 66.6

99 60.0 50.8 76.2

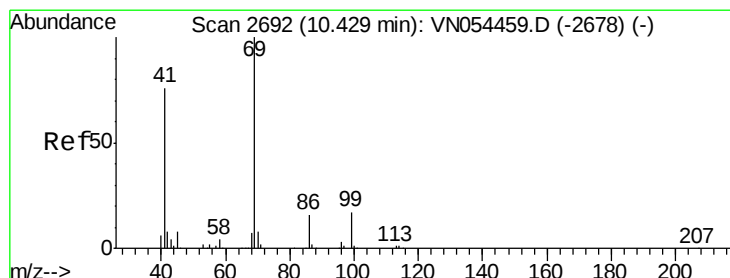
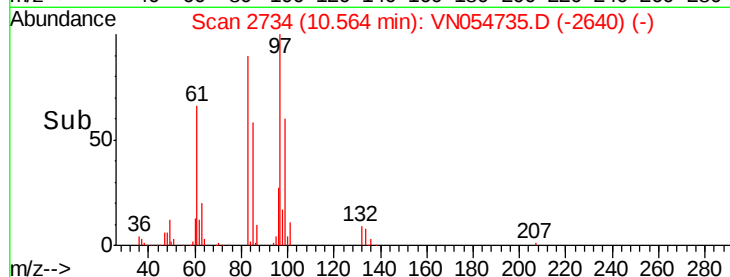
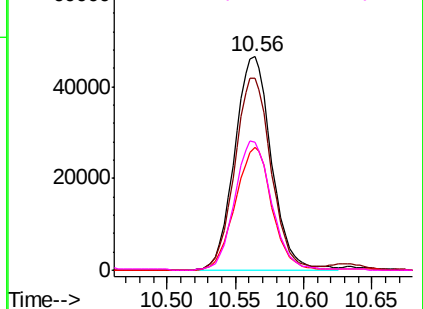


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.153 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

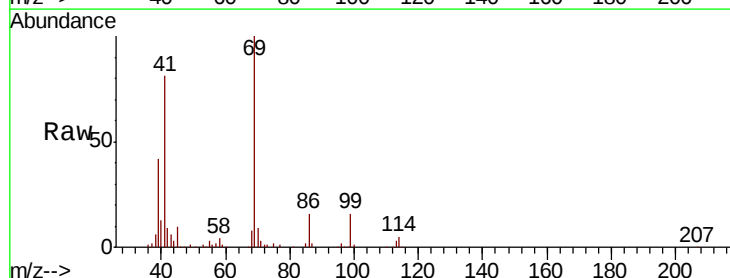
Tgt Ion: 69 Resp: 110548

Ion Ratio Lower Upper

69 100

41 78.7 49.4 74.2#

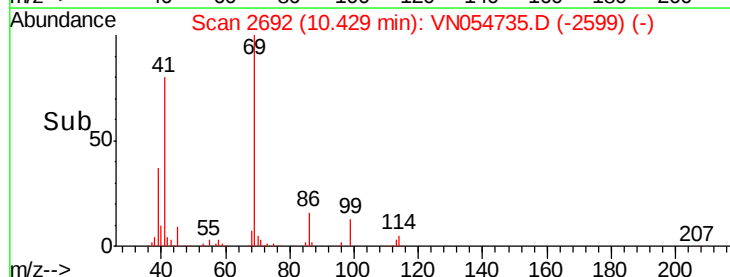
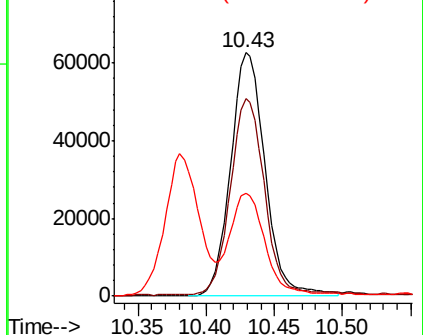
39 42.5 28.3 42.5

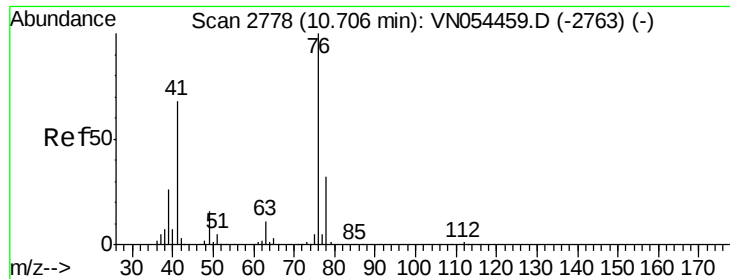


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.323 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

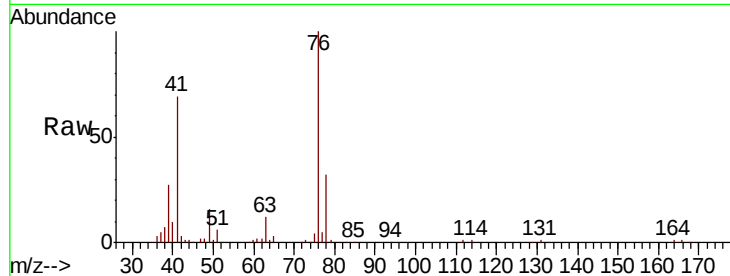
VN0328WBS01

Tot Ion: 76 Resp: 151918

Ion Ratio Lower Upper

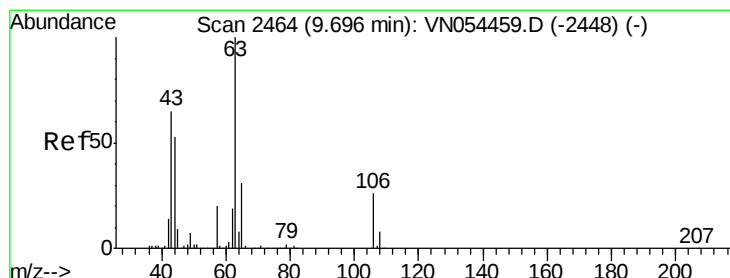
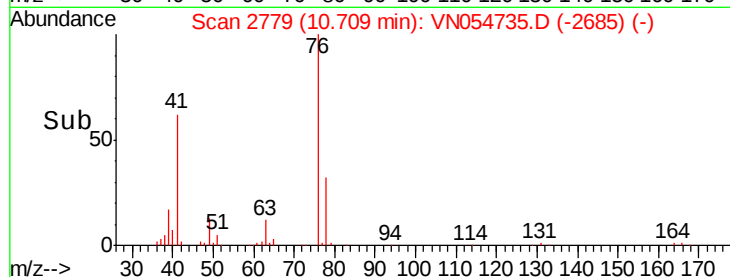
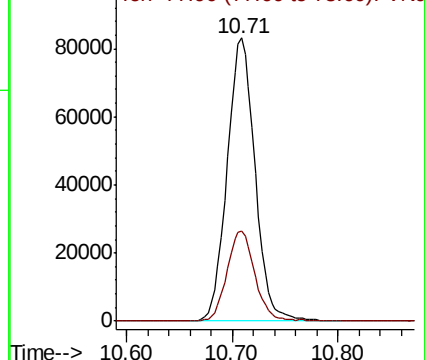
76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 74.194 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054735.D

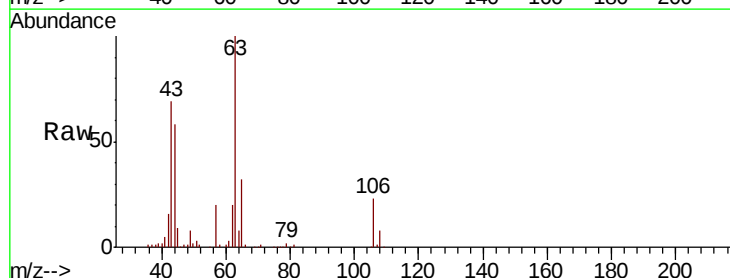
Acq: 28 Mar 2019 11:09

Tgt Ion: 63 Resp: 176339

Ion Ratio Lower Upper

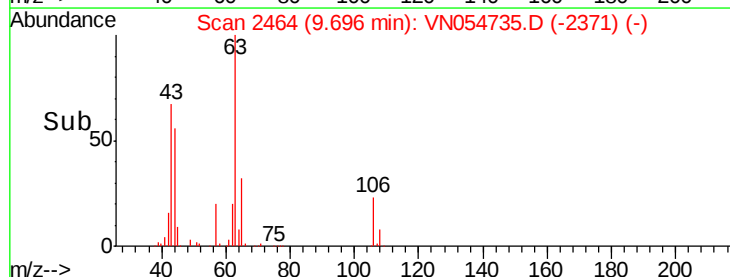
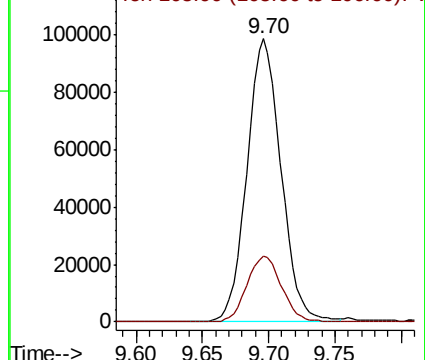
63 100

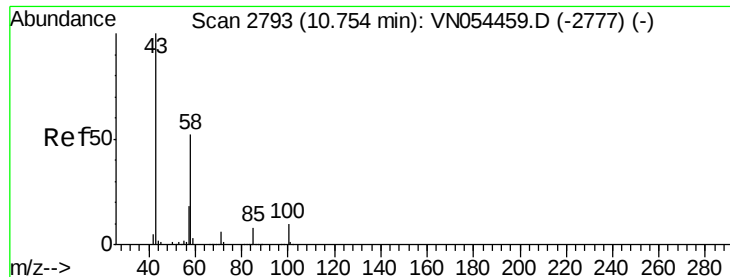
106 23.7 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

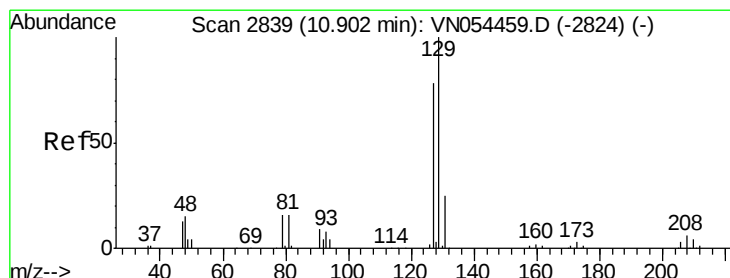
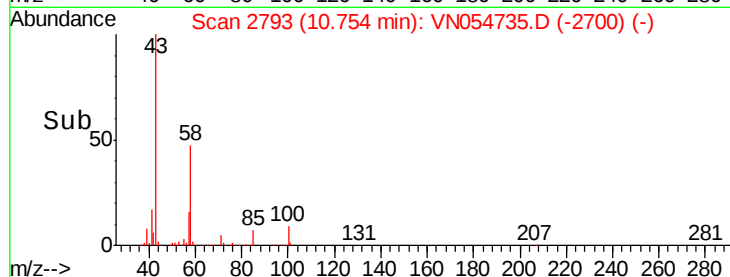
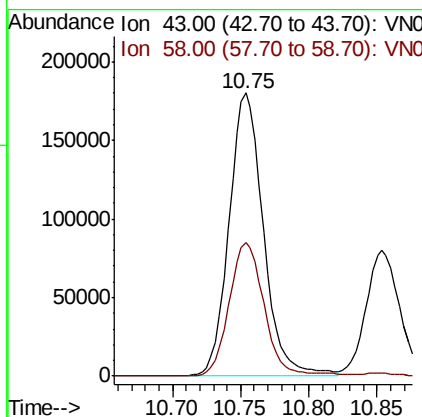
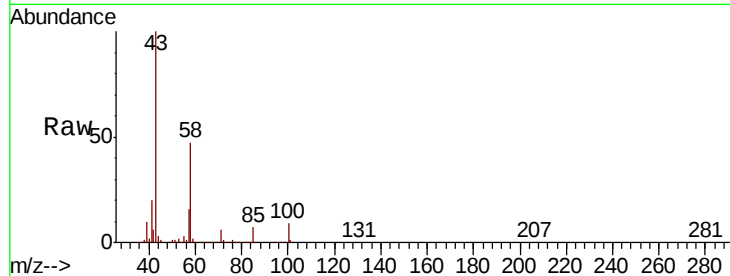




#59
2-Hexanone
Concen: 105.150 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

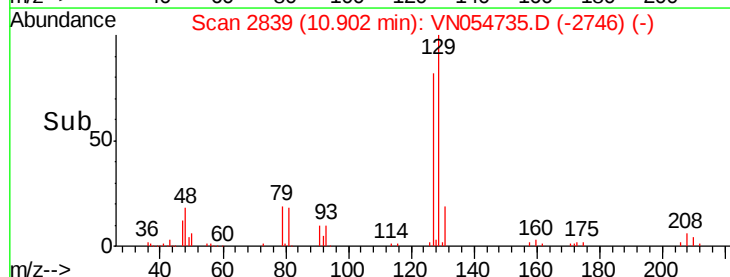
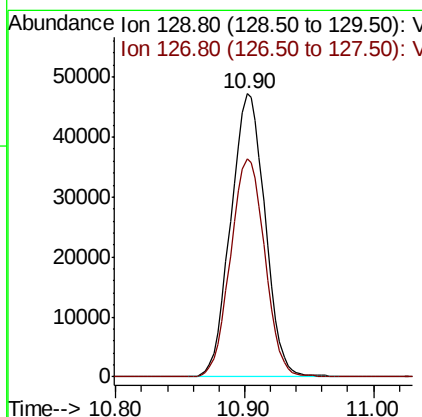
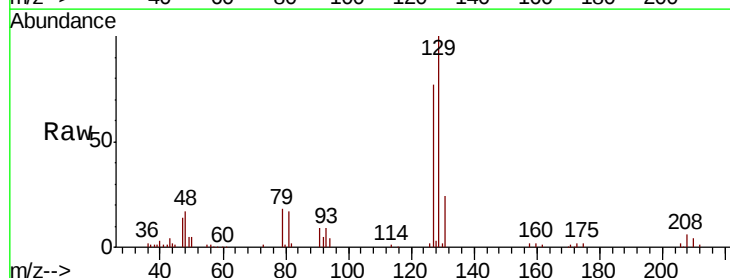
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

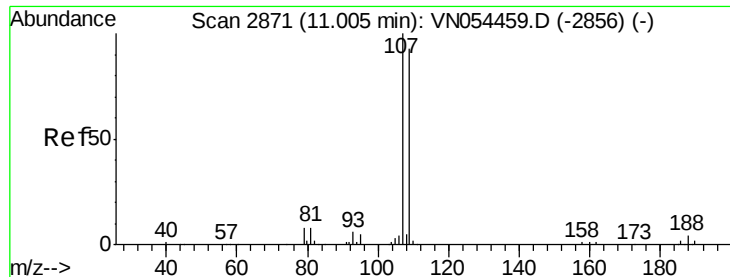
Tot Ion: 43 Resp: 311000
Ion Ratio Lower Upper
43 100
58 48.3 28.0 83.9



#60
Dibromochloromethane
Concen: 19.060 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion: 129 Resp: 87219
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.157 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

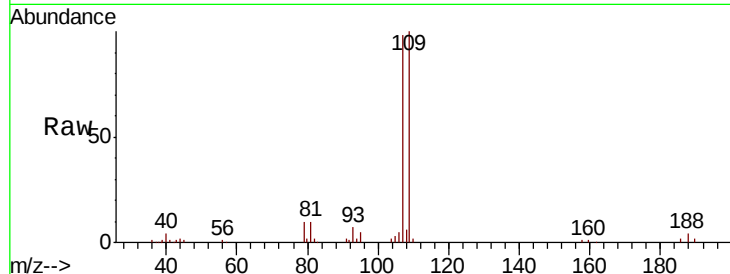
VN0328WBS01

Tot Ion:107 Resp: 81442

Ion Ratio Lower Upper

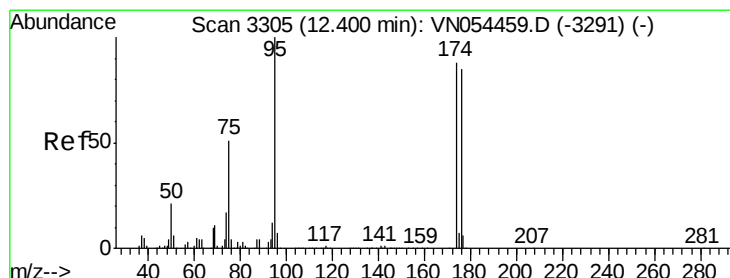
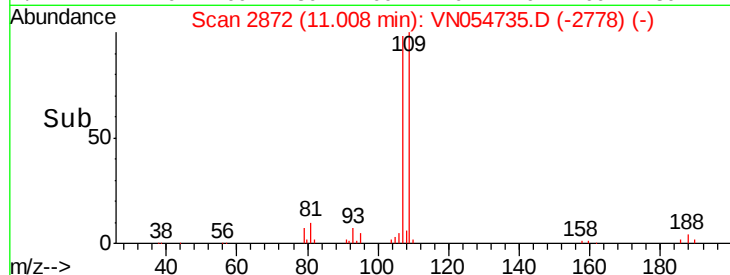
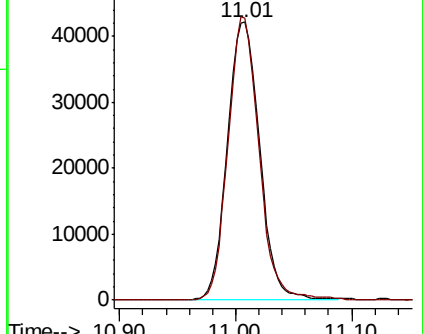
107 100

109 97.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.232 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

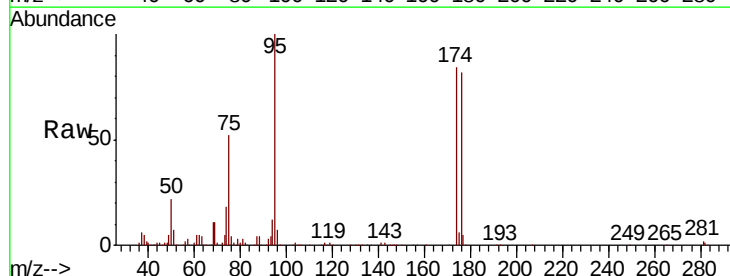
Tgt Ion: 95 Resp: 253208

Ion Ratio Lower Upper

95 100

174 84.6 0.0 191.0

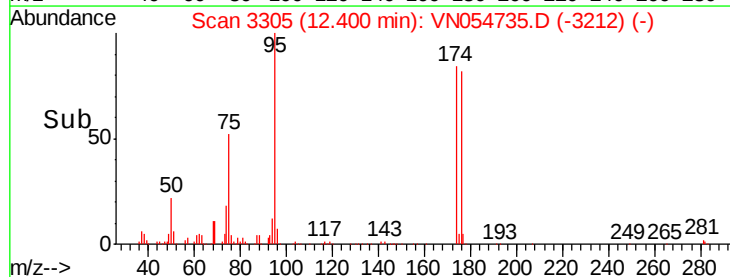
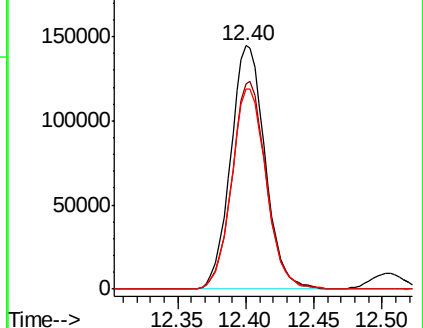
176 82.8 0.0 187.4

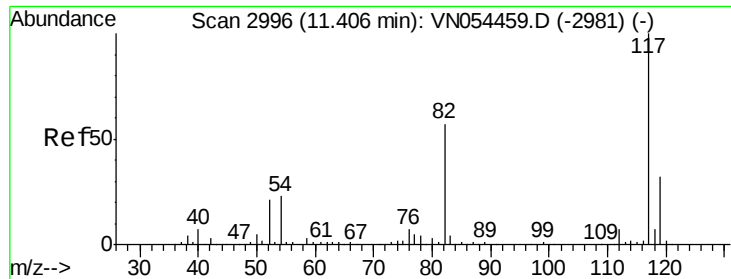


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

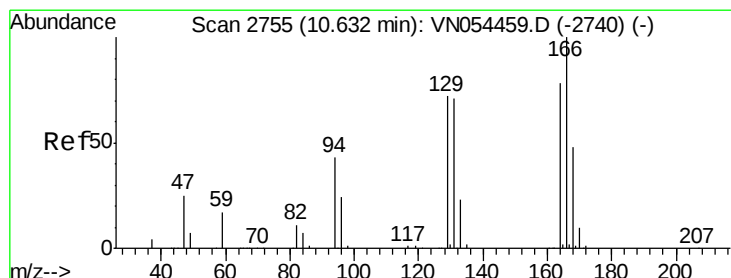
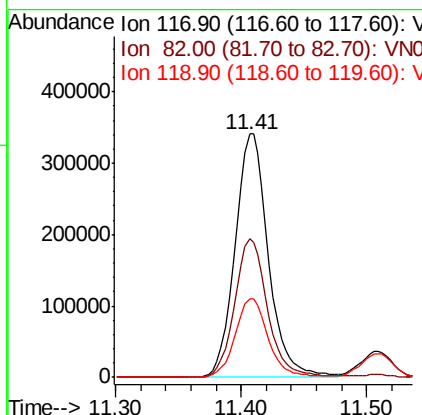
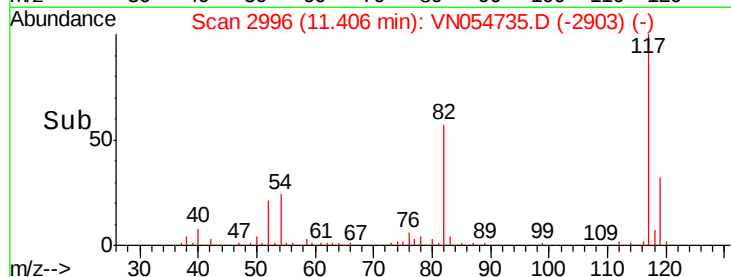
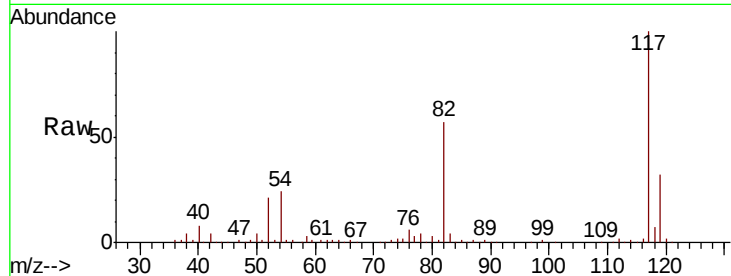




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

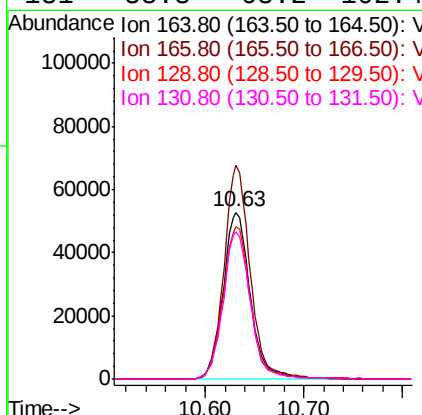
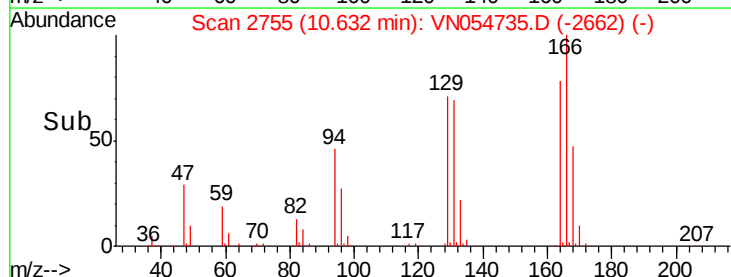
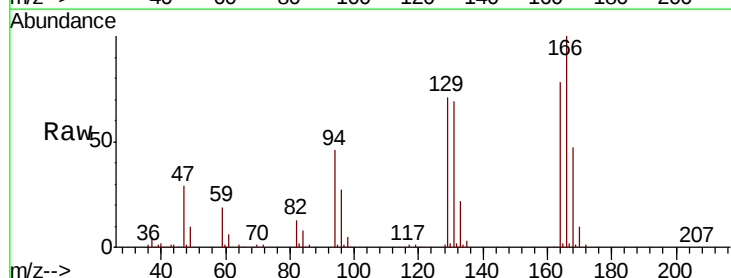
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

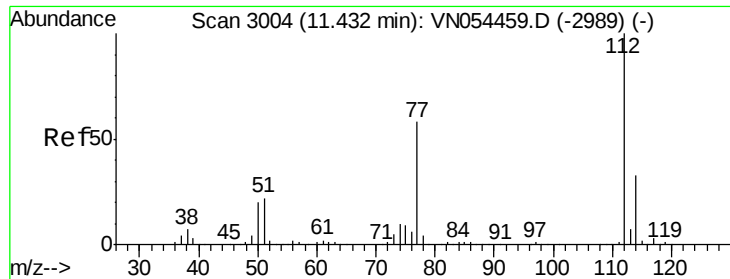
Tot Ion:117 Resp: 628511
Ion Ratio Lower Upper
117 100
82 56.8 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 19.361 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:164 Resp: 100934
Ion Ratio Lower Upper
164 100
166 128.1 103.9 155.9
129 91.6 71.1 106.7
131 88.3 68.2 102.4

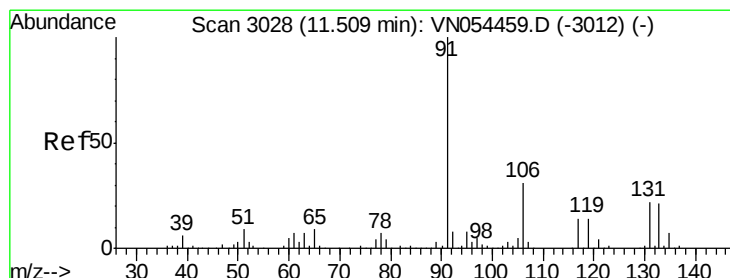
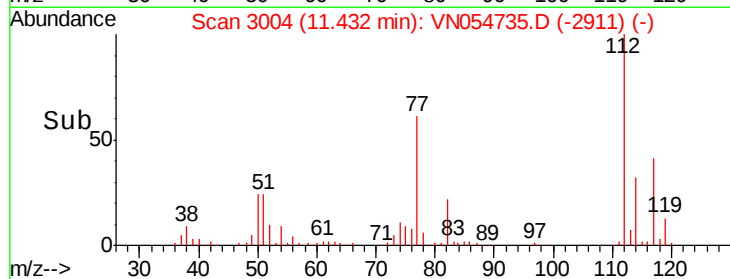
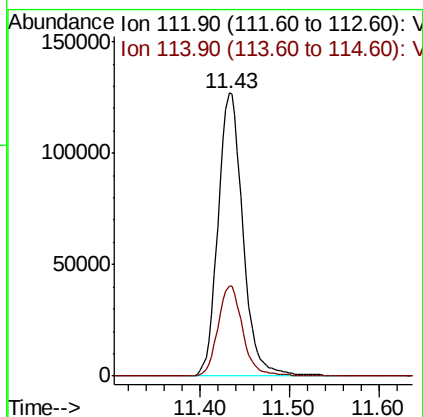
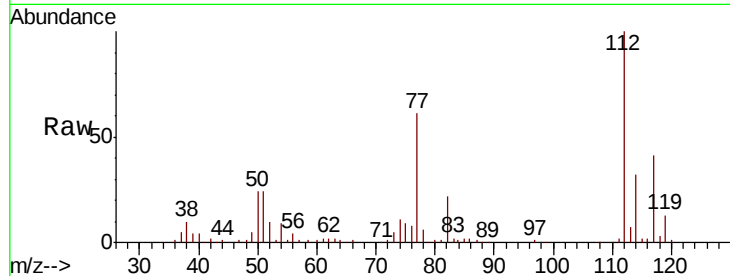




#65
Chlorobenzene
Concen: 19.203 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

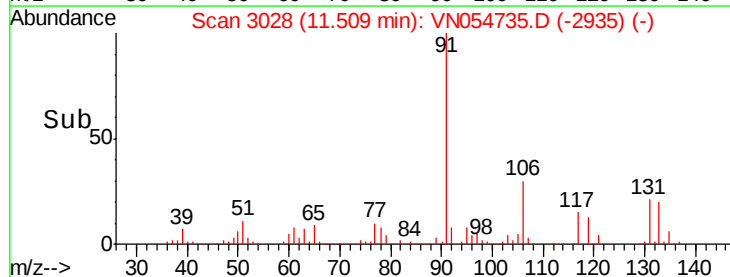
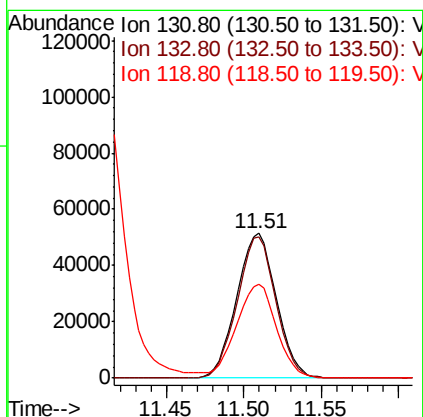
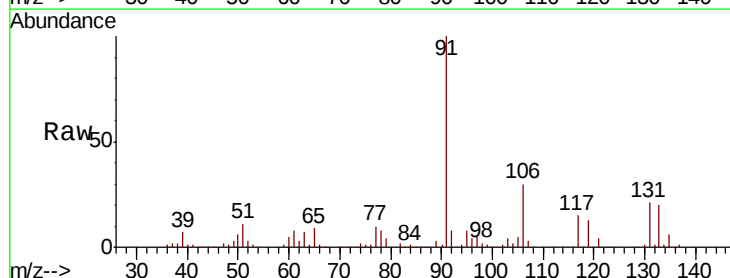
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

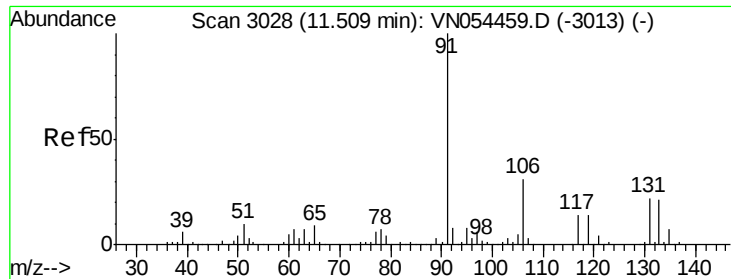
Tot Ion:112 Resp: 245479
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.998 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:131 Resp: 91758
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 66.1 32.4 97.0

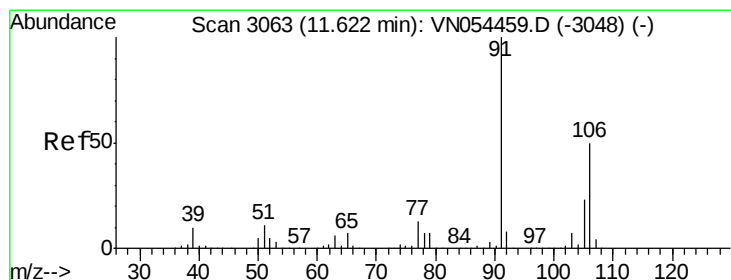
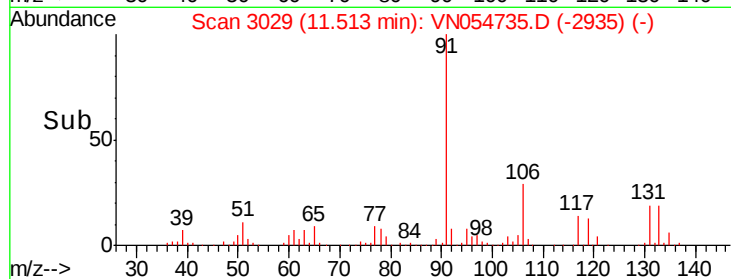
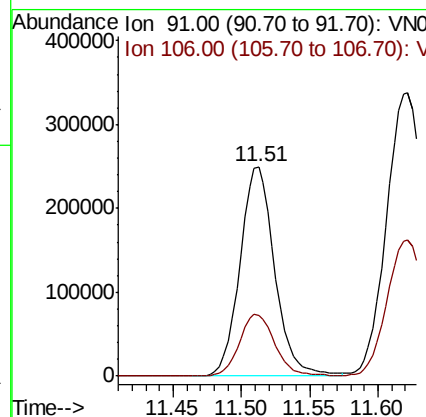
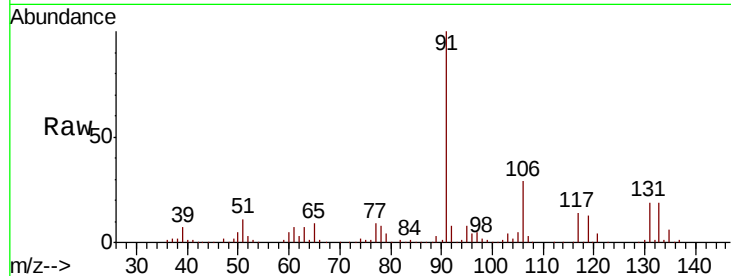




#67
Ethvl Benzene
Concen: 19.551 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

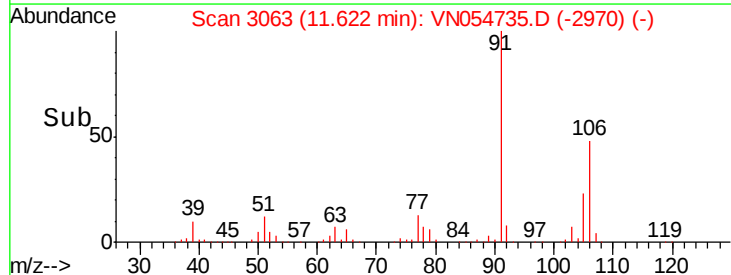
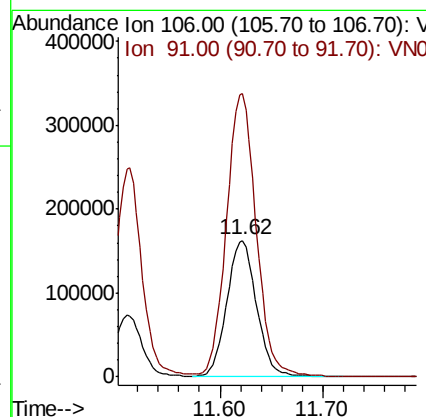
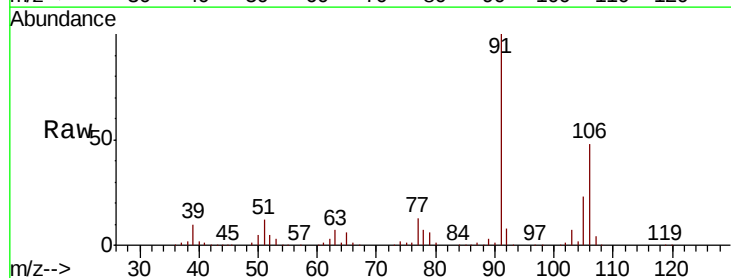
Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

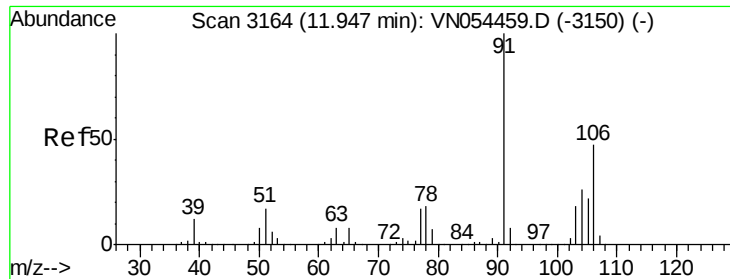
Tot Ion: 91 Resp: 441480
Ion Ratio Lower Upper
91 100
106 29.1 25.5 38.3



#68
m/p-Xylenes
Concen: 38.318 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:106 Resp: 327730
Ion Ratio Lower Upper
106 100
91 207.9 159.4 239.2

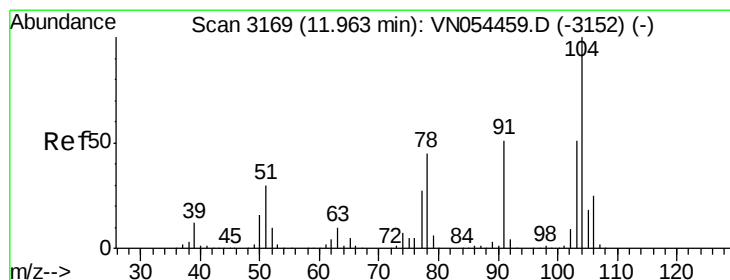
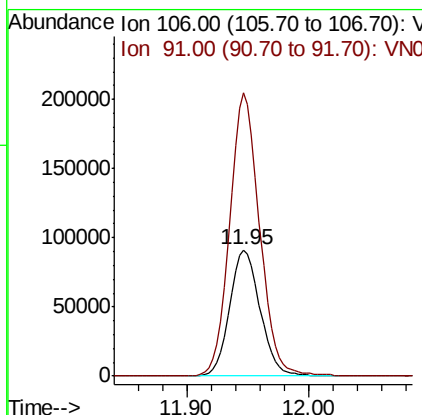
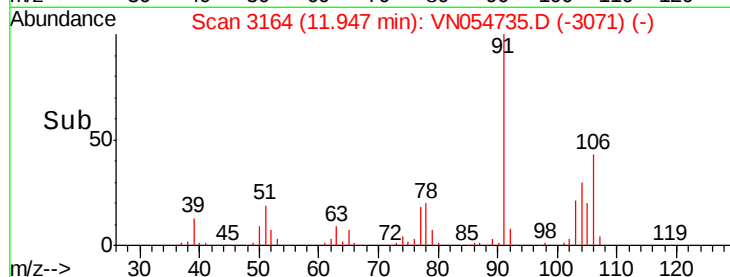
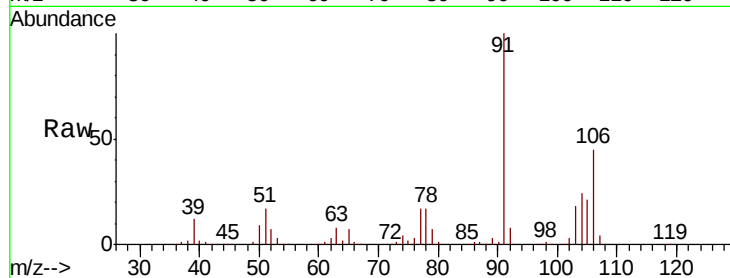




#69
o-Xylene
Concen: 19.114 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

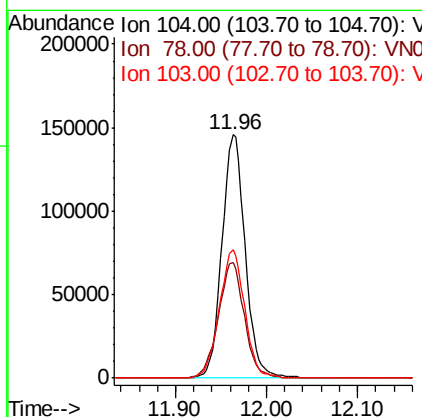
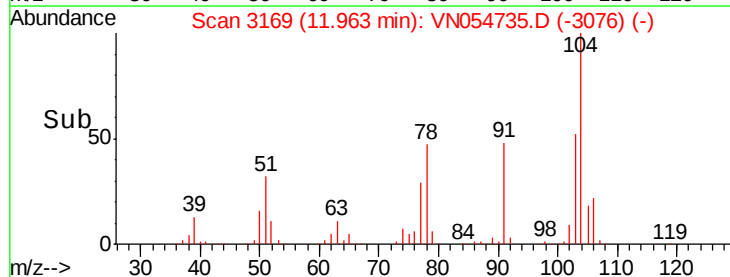
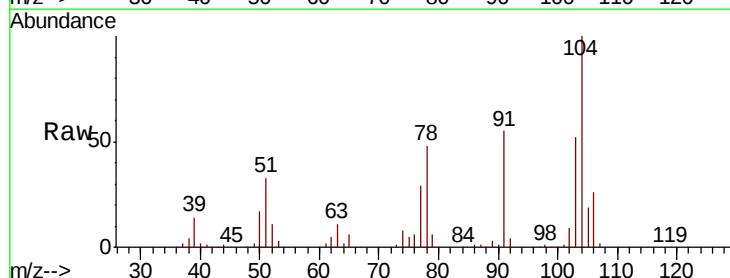
Instrument :
MSVOA_N
ClientSampled :
VN0328WBS01

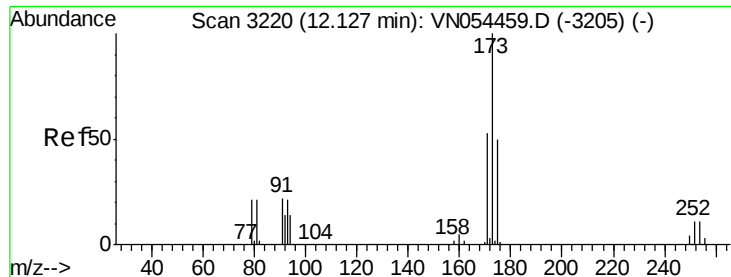
Tot Ion:106 Resp: 159656
Ion Ratio Lower Upper
106 100
91 219.0 105.7 317.1



#70
Styrene
Concen: 19.113 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:104 Resp: 259259
Ion Ratio Lower Upper
104 100
78 52.9 38.2 57.2
103 57.3 44.4 66.6

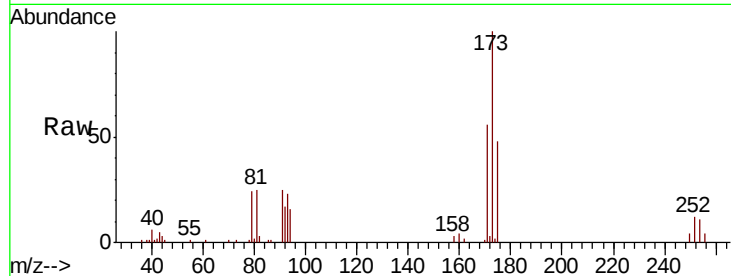




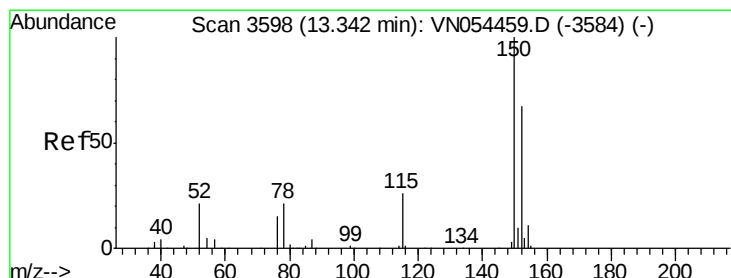
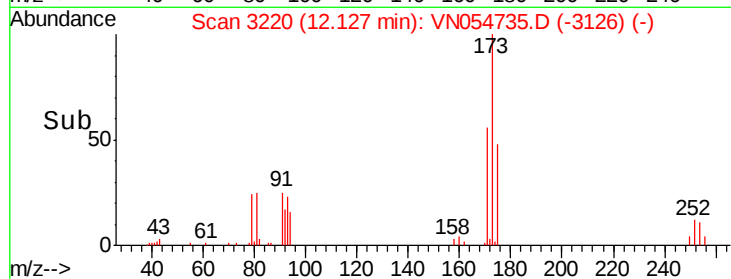
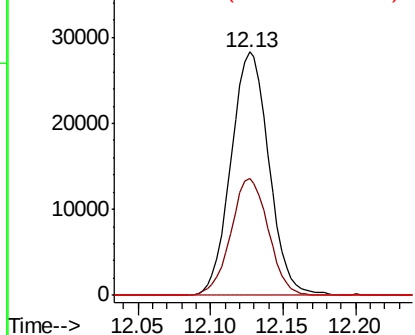
#71
Bromoform
Concen: 17.759 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

Tot Ion:173 Resp: 51436
Ion Ratio Lower Upper
173 100
175 47.2 24.4 73.2
254 0.0 0.1 0.1#

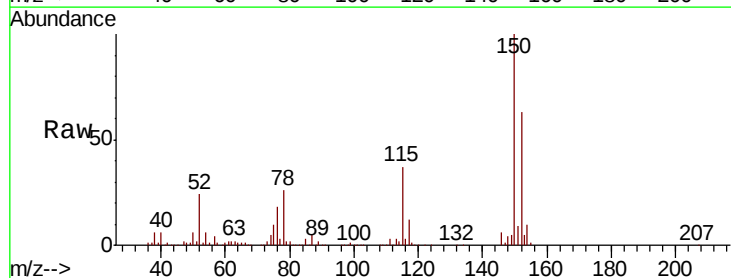


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

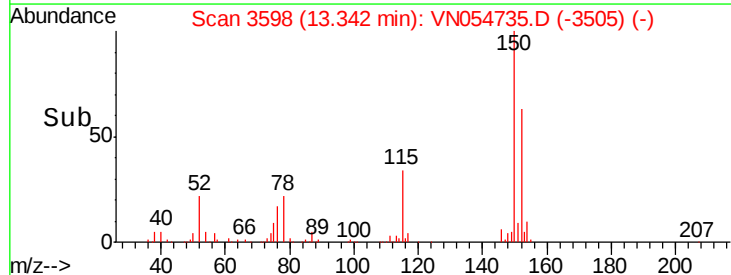
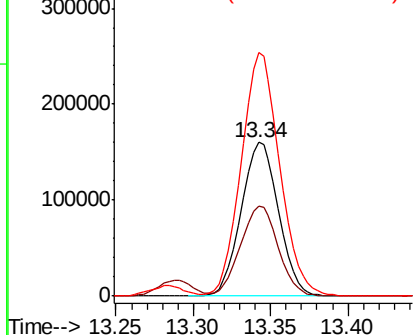


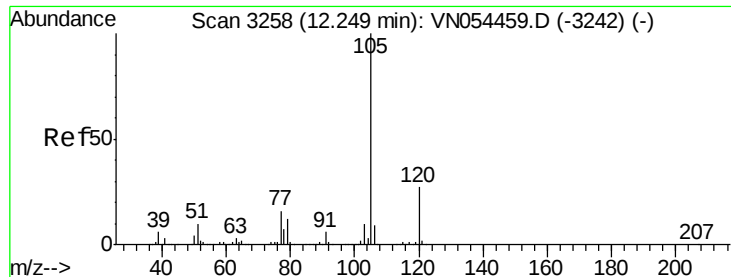
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:152 Resp: 270130
Ion Ratio Lower Upper
152 100
115 59.0 27.2 81.6
150 162.5 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: 19.144 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

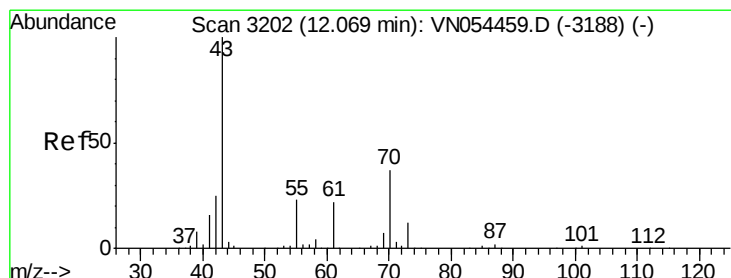
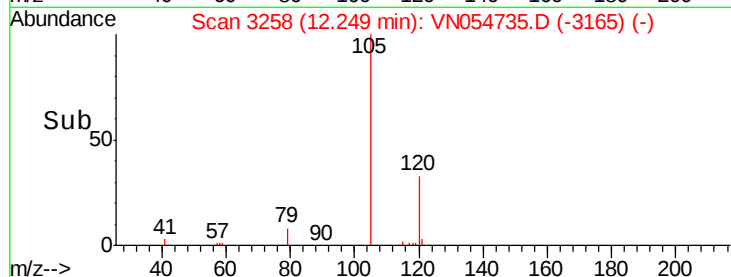
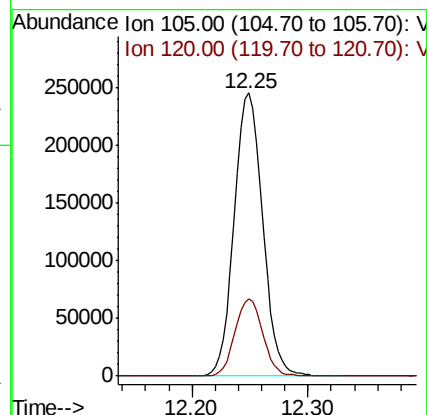
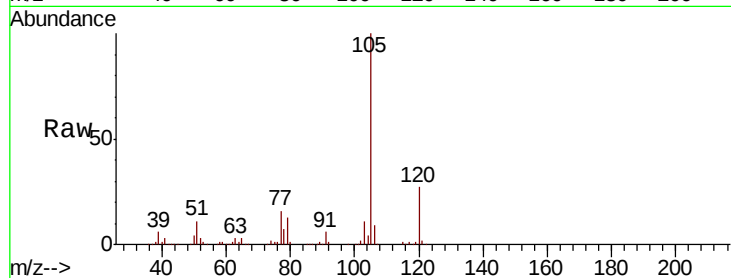
VN0328WBS01

Tot Ion:105 Resp: 416710

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 21.933 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Tgt Ion: 43 Resp: 137278

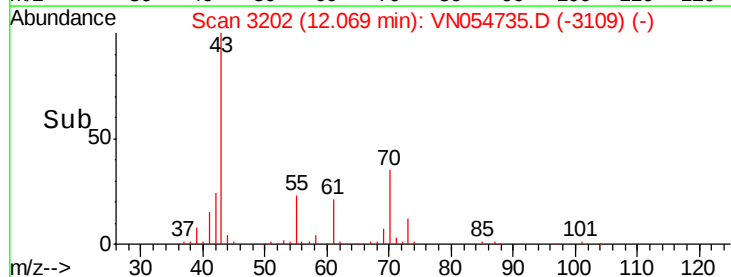
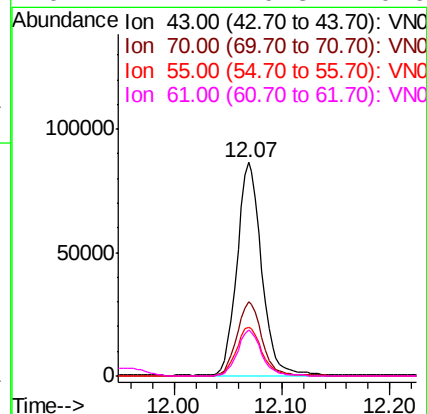
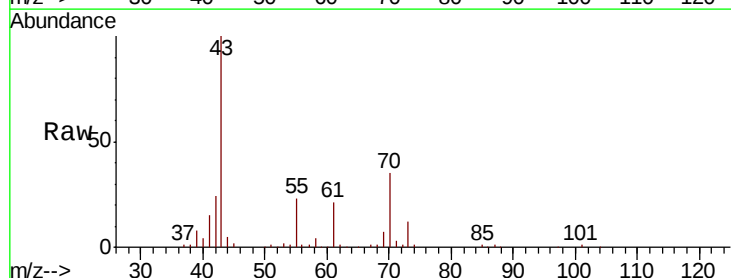
Ion Ratio Lower Upper

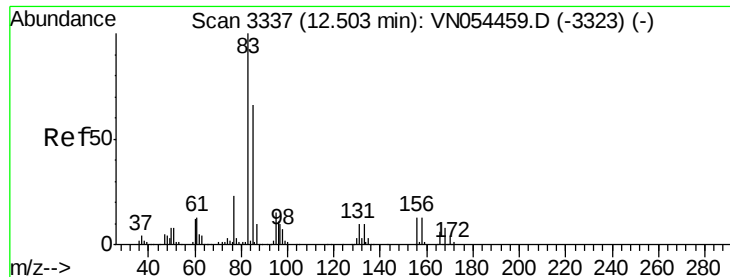
43 100

70 35.7 35.4 53.0

55 23.8 19.8 29.6

61 21.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.956 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

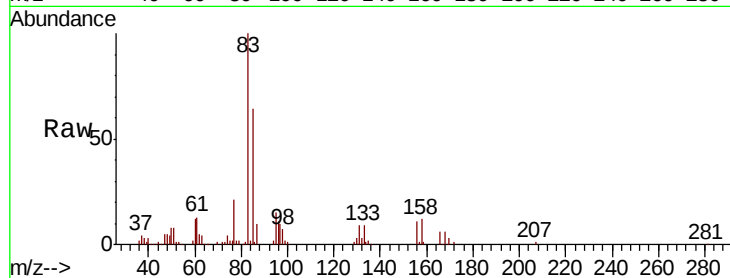
Tot Ion: 83 Resp: 104132

Ion Ratio Lower Upper

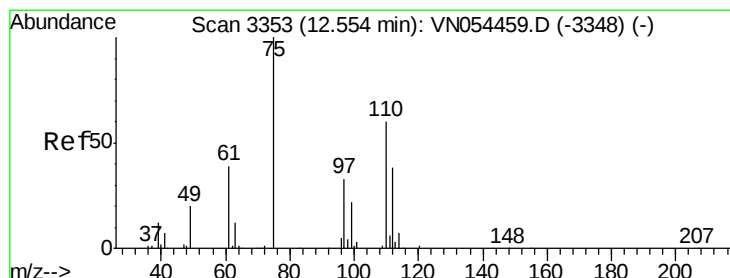
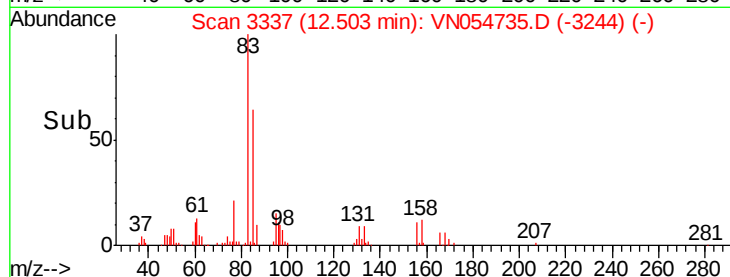
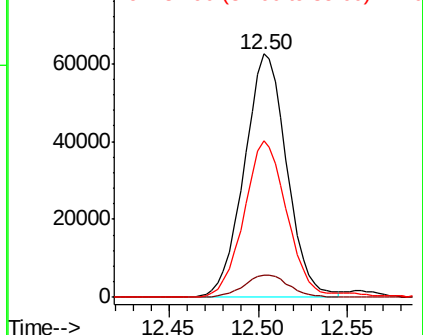
83 100

131 9.7 5.8 17.4

85 65.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 28.917 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054735.D

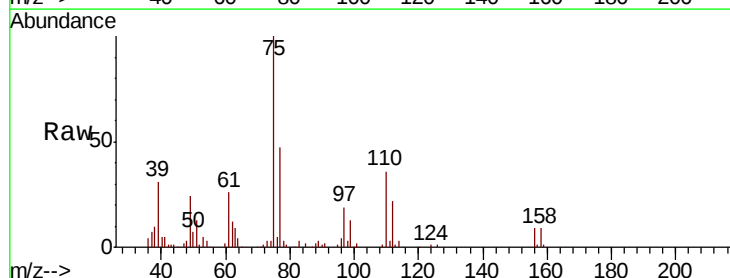
Acq: 28 Mar 2019 11:09

Tgt Ion: 75 Resp: 123955

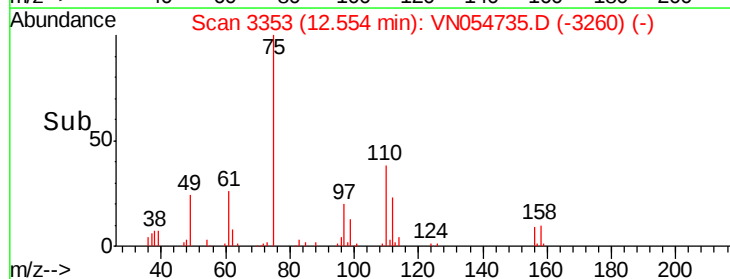
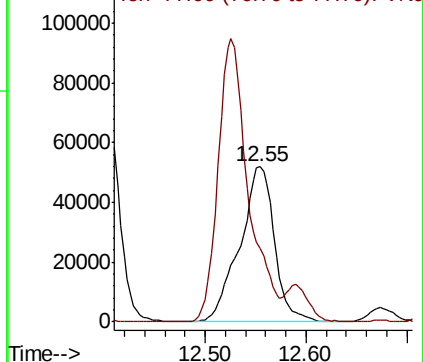
Ion Ratio Lower Upper

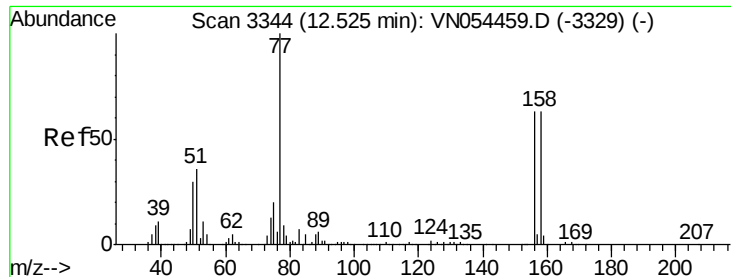
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.922 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

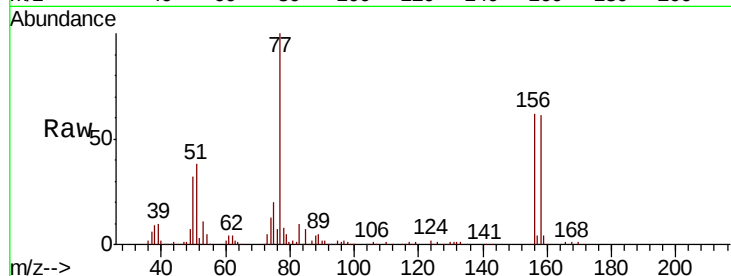
Tot Ion:156 Resp: 102156

Ion Ratio Lower Upper

156 100

77 194.0 81.5 244.4

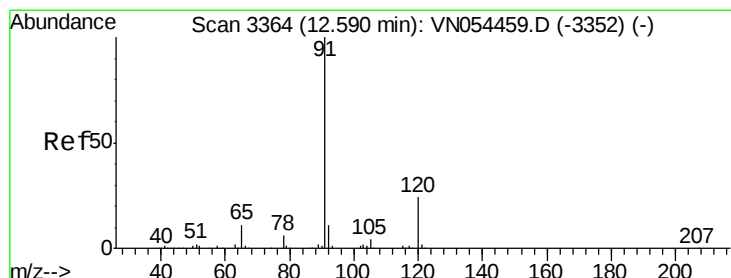
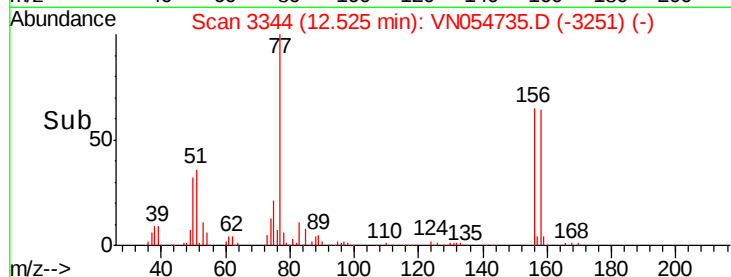
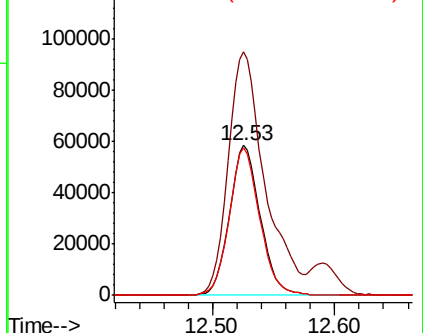
158 97.6 49.0 147.2



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: 20.191 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054735.D

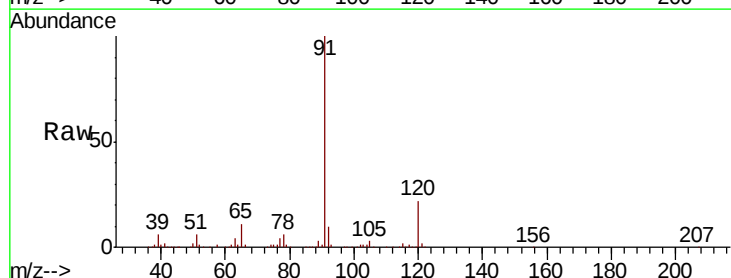
Acq: 28 Mar 2019 11:09

Tgt Ion: 91 Resp: 476580

Ion Ratio Lower Upper

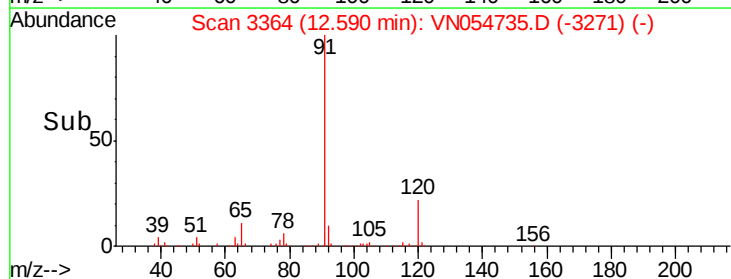
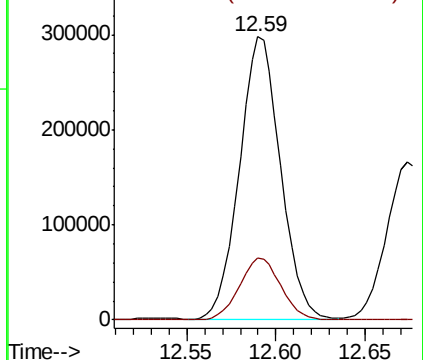
91 100

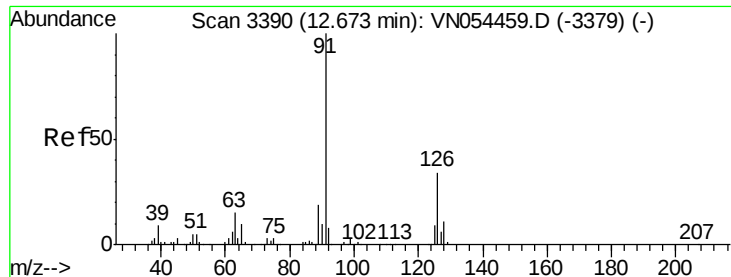
120 22.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.420 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

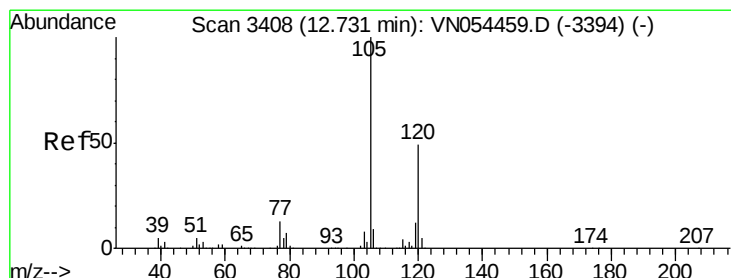
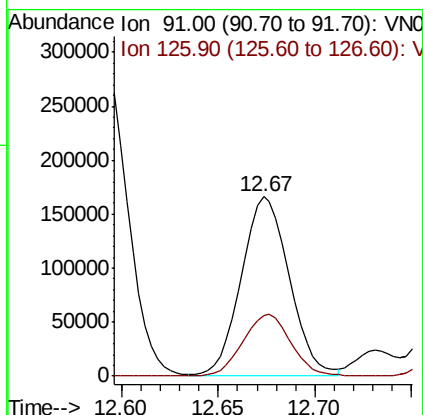
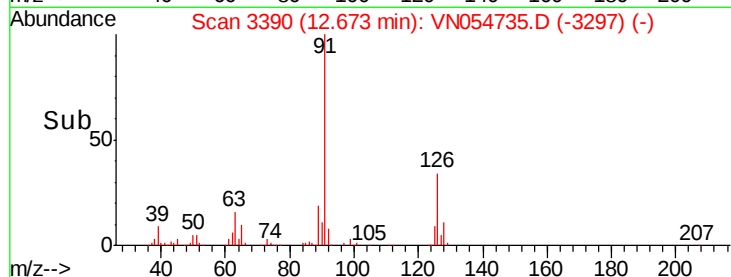
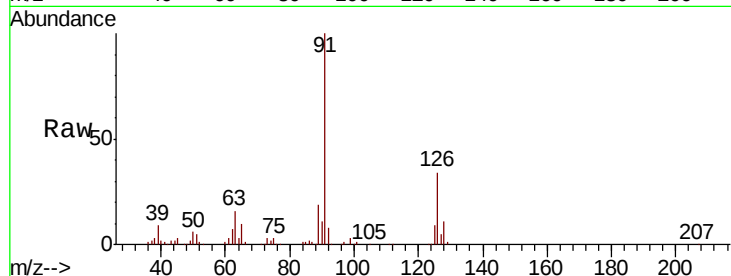
VN0328WBS01

Tot Ion: 91 Resp: 285844

Ion Ratio Lower Upper

91 100

126 34.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.516 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054735.D

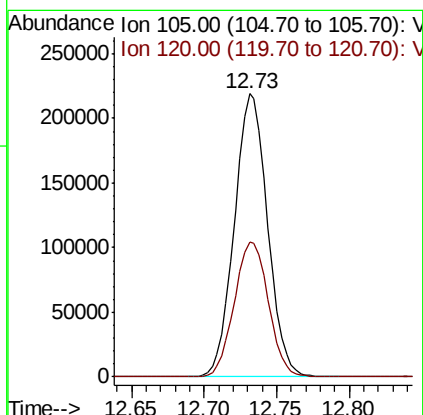
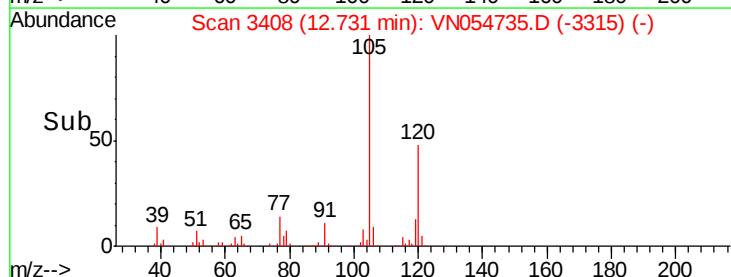
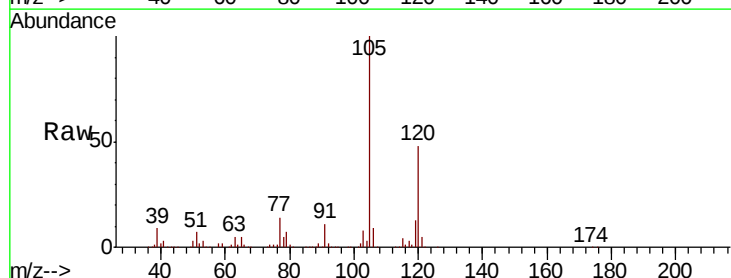
Acq: 28 Mar 2019 11:09

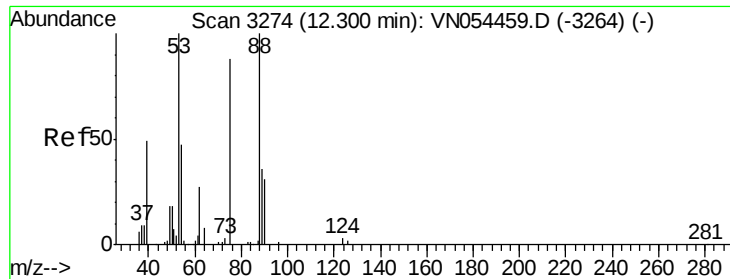
Tgt Ion: 105 Resp: 348181

Ion Ratio Lower Upper

105 100

120 49.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.026 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

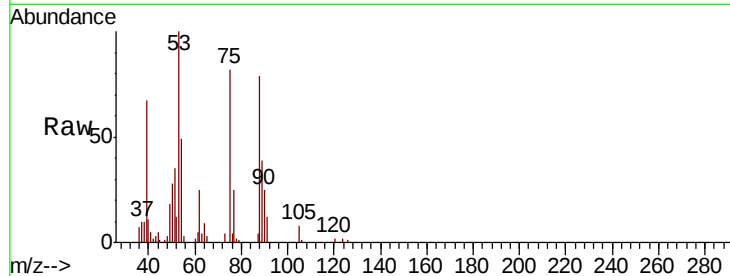
Tot Ion: 75 Resp: 22376

Ion Ratio Lower Upper

75 100

53 117.9 76.2 114.2#

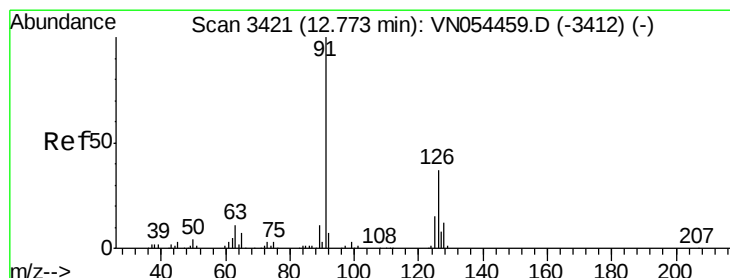
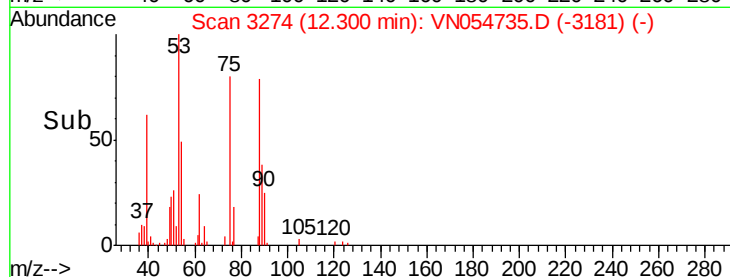
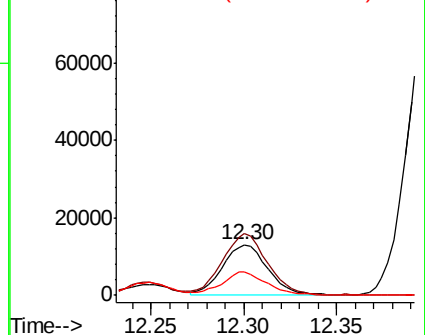
89 45.6 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.592 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054735.D

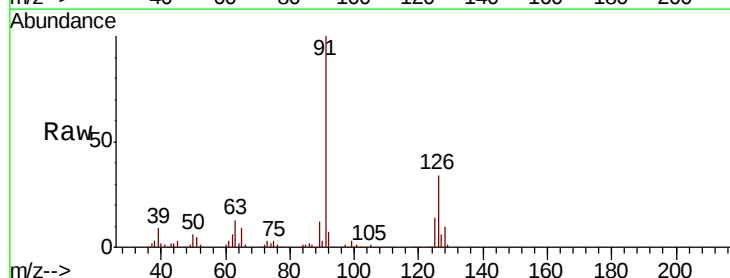
Acq: 28 Mar 2019 11:09

Tgt Ion: 91 Resp: 279535

Ion Ratio Lower Upper

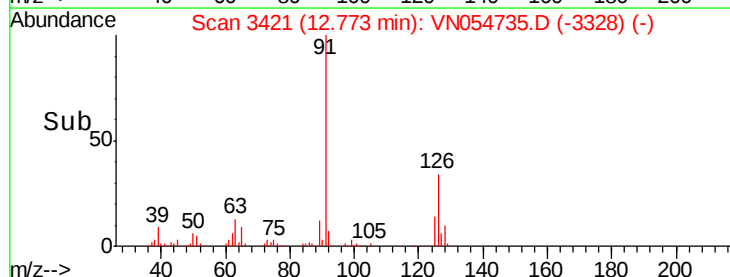
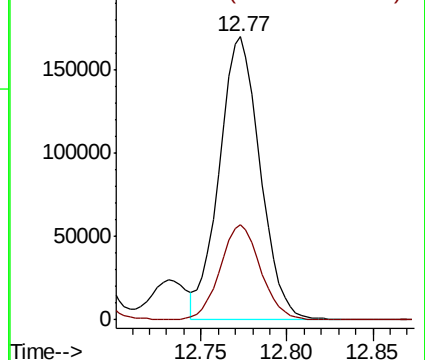
91 100

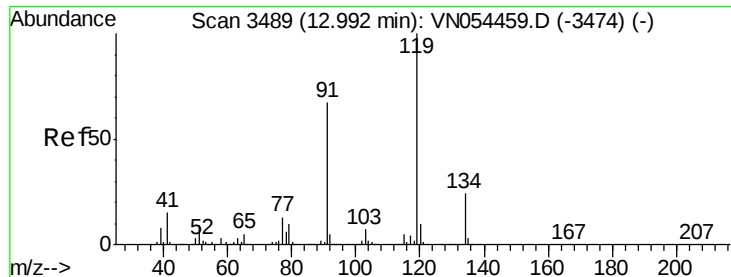
126 33.4 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

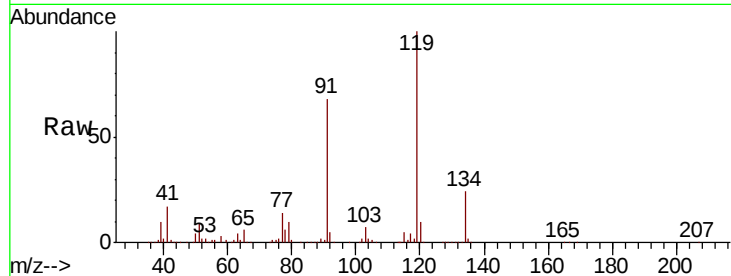




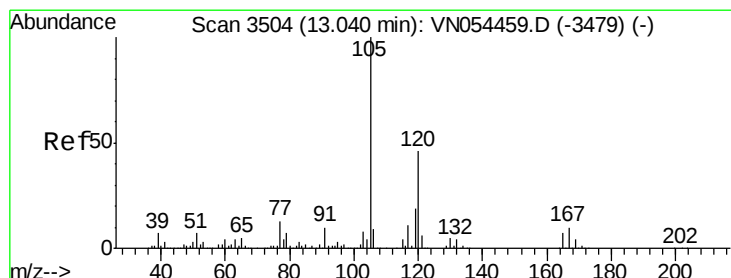
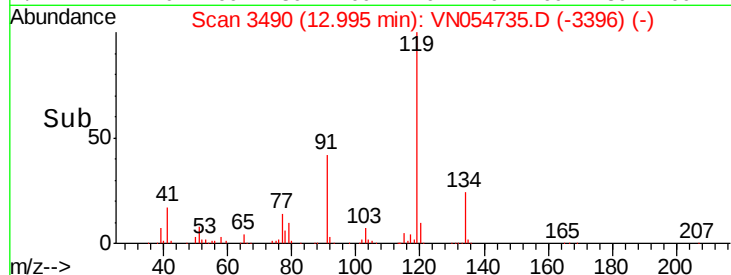
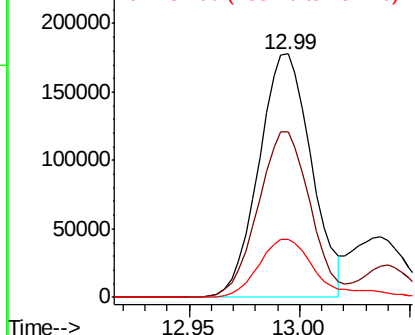
#83
tert-Butylbenzene
Concen: 18.934 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBS01

Tot Ion:119 Resp: 294029
Ion Ratio Lower Upper
119 100
91 67.6 30.9 92.8
134 26.5 13.2 39.6

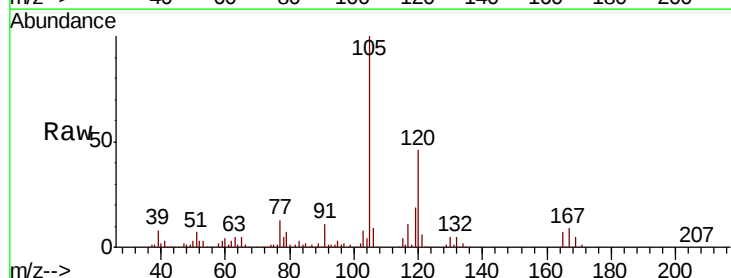


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

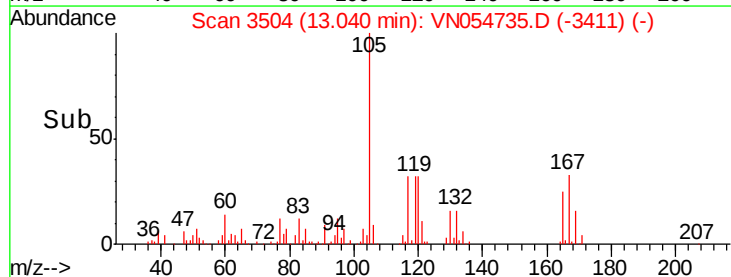
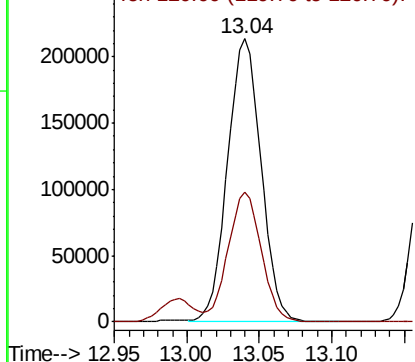


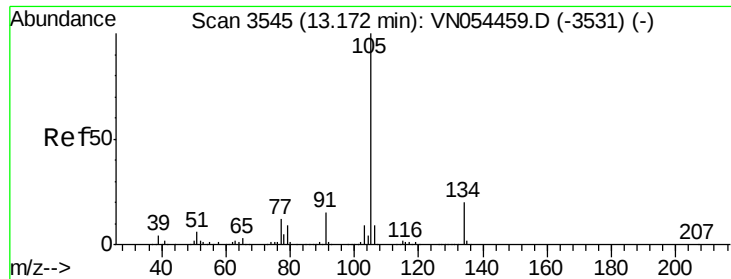
#84
1,2,4-Trimethylbenzene
Concen: 19.634 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054735.D
Acq: 28 Mar 2019 11:09

Tgt Ion:105 Resp: 343700
Ion Ratio Lower Upper
105 100
120 45.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

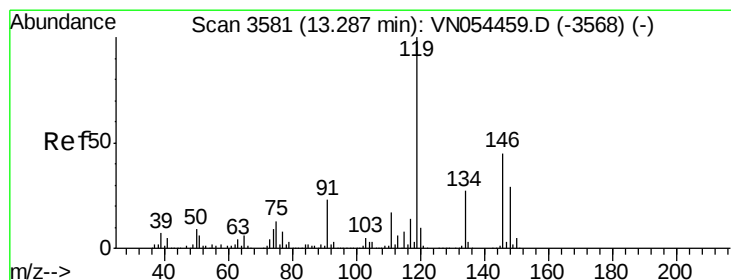
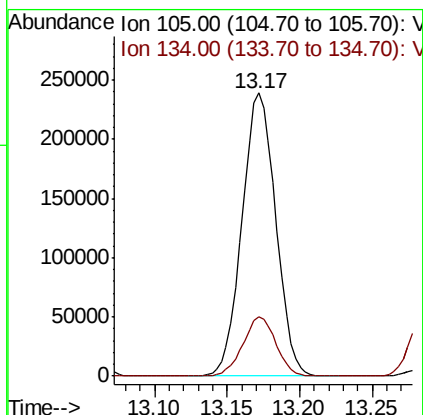
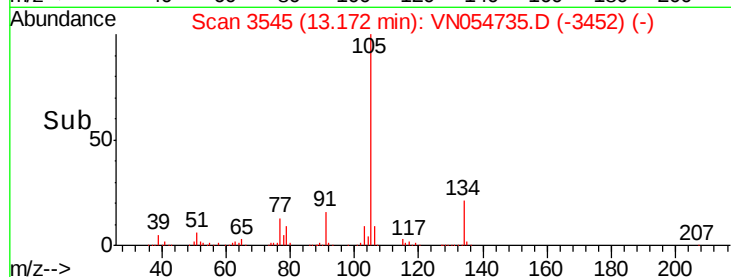
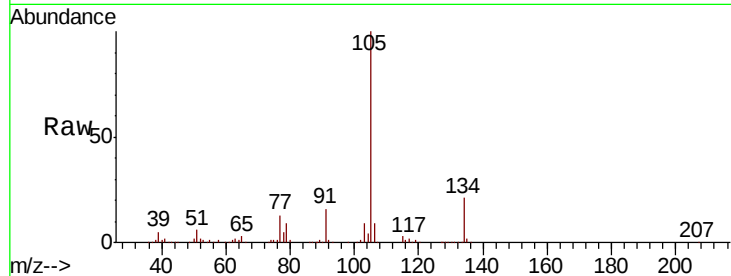




#85
 sec-Butylbenzene
 Concen: 20.001 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

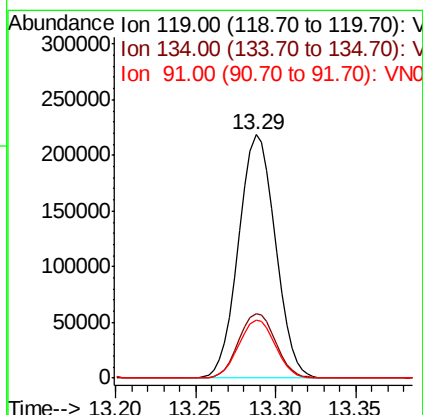
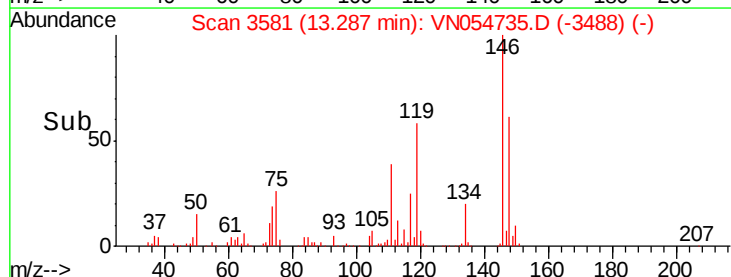
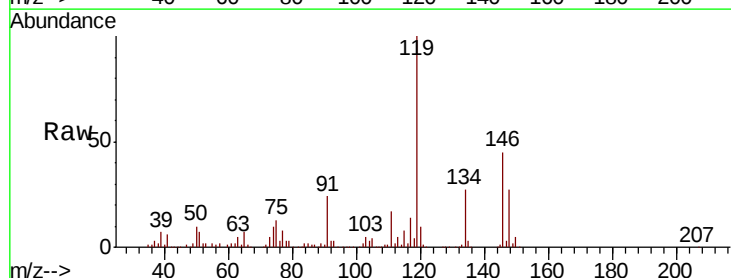
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0328WBS01

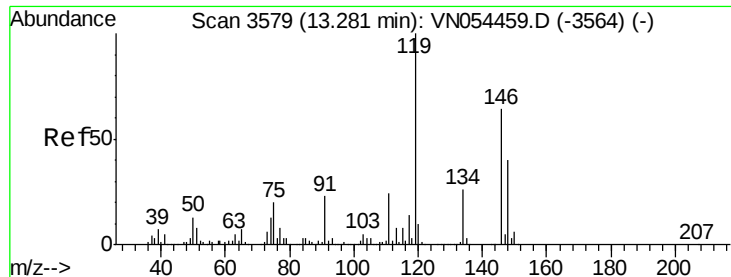
Tot Ion:105 Resp: 387187
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.7 32.1



#86
 p-Isopropyltoluene
 Concen: 19.704 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion:119 Resp: 341262
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.8
 91 23.8 11.1 33.3

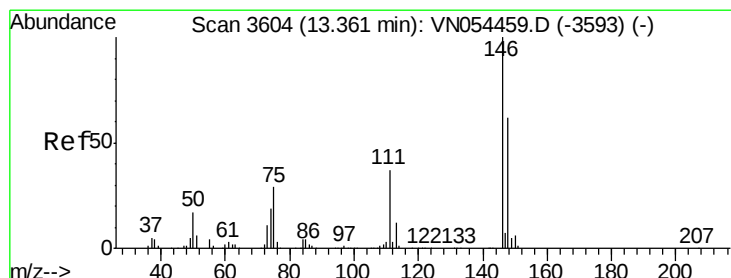
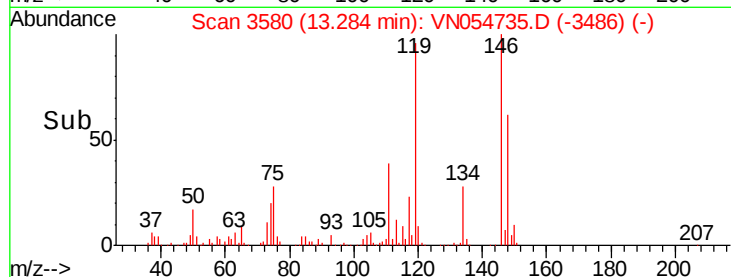
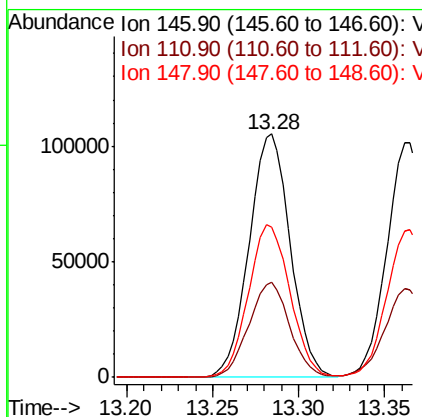
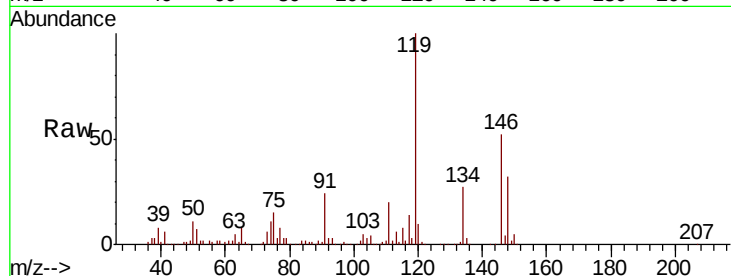




#87
 1,3-Dichlorobenzene
 Concen: 19.549 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

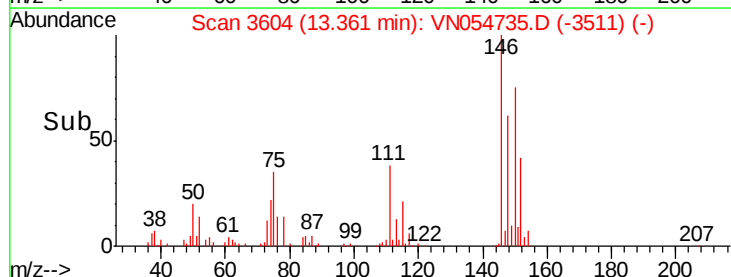
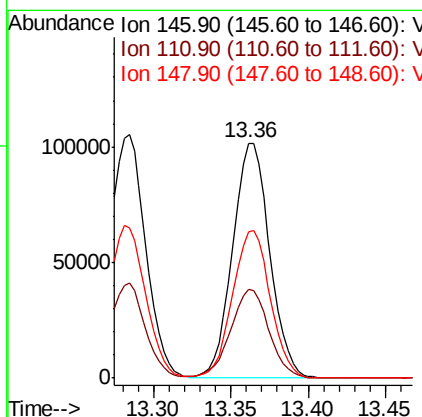
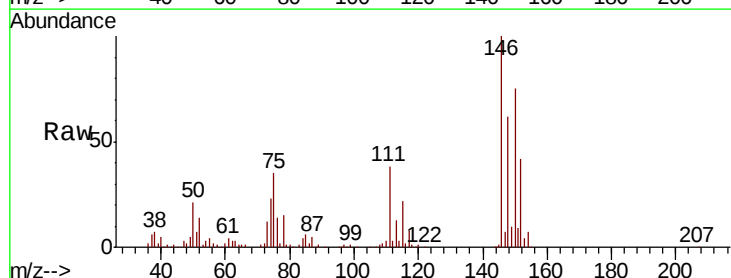
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

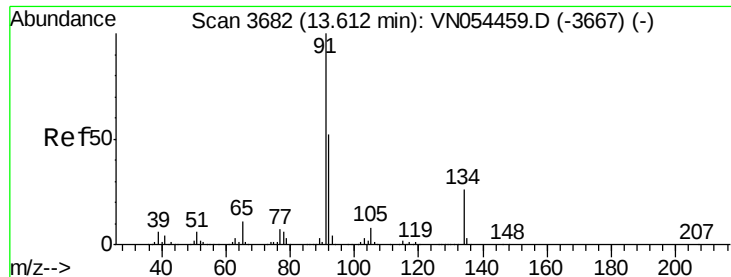
Tot Ion:146 Resp: 174891
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.8 56.3
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.469 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion:146 Resp: 169466
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.1 54.1
 148 63.8 32.0 96.0





#89

n-Butylbenzene

Concen: 20.557 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VN0328WBS01

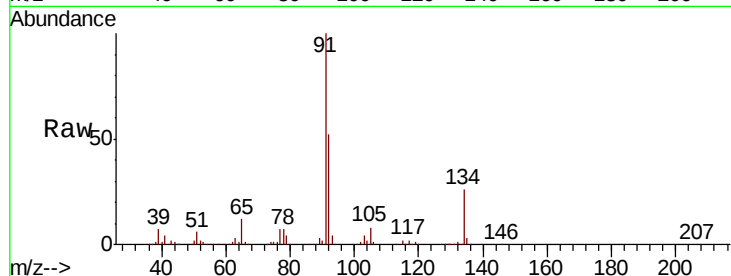
Tot Ion: 91 Resp: 278393

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.6

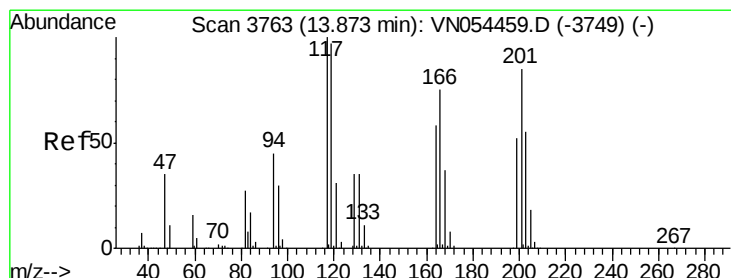
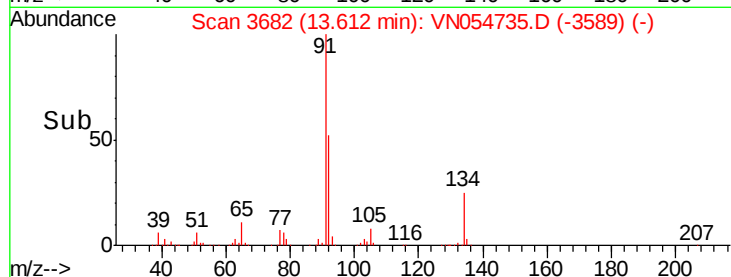
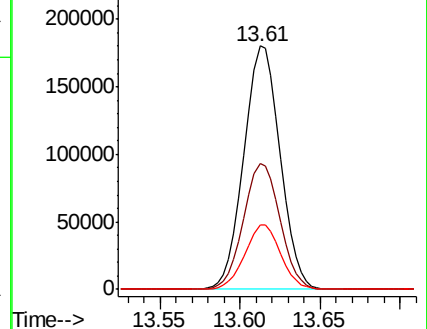
134 26.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.686 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054735.D

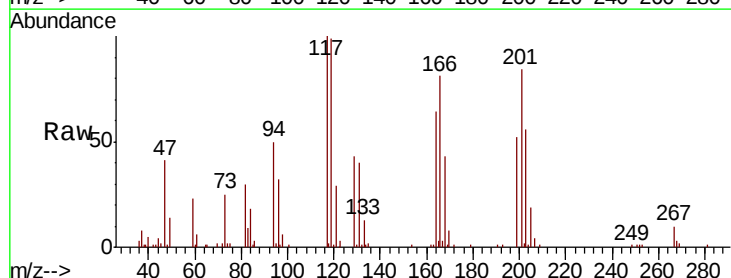
Acq: 28 Mar 2019 11:09

Tgt Ion: 117 Resp: 52923

Ion Ratio Lower Upper

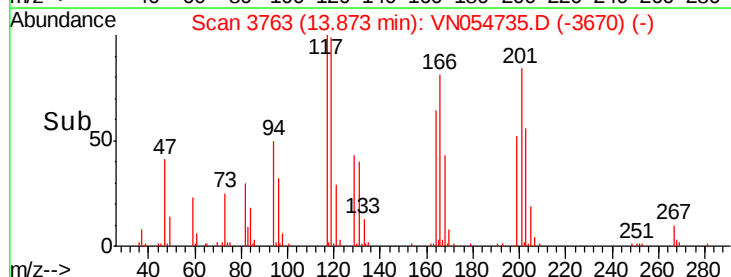
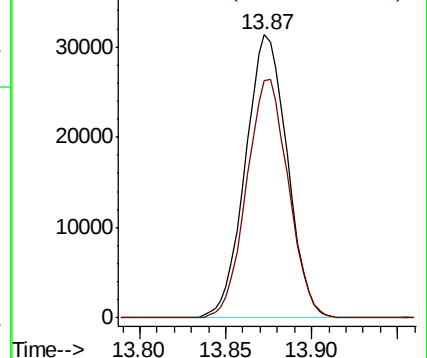
117 100

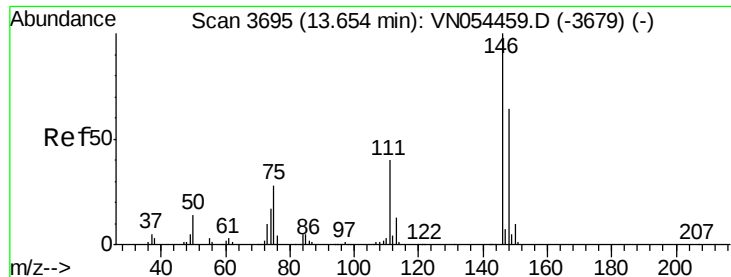
201 84.0 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.448 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

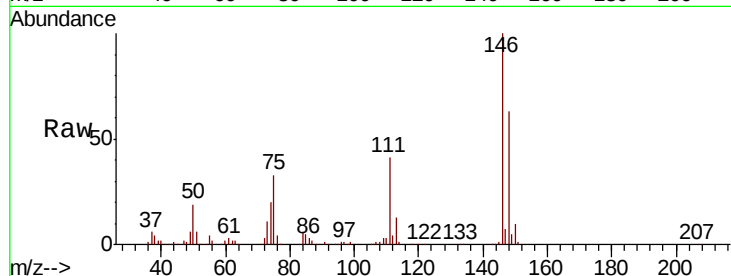
Tot Ion:146 Resp: 168526

Ion Ratio Lower Upper

146 100

111 40.7 19.1 57.3

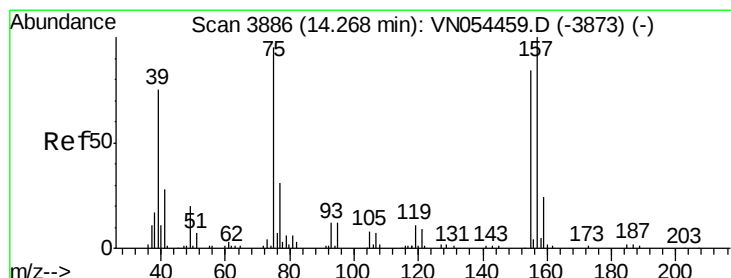
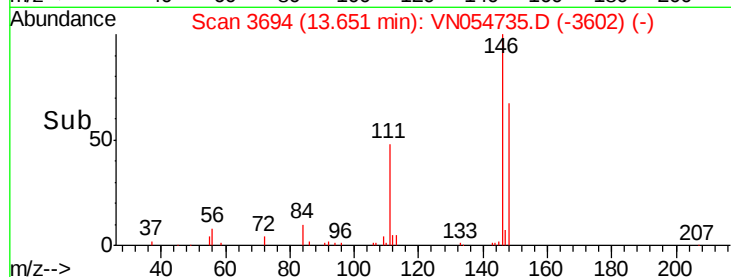
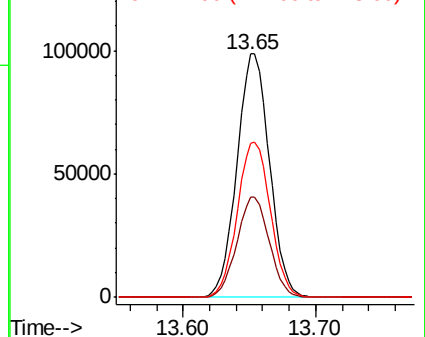
148 64.7 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.818 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

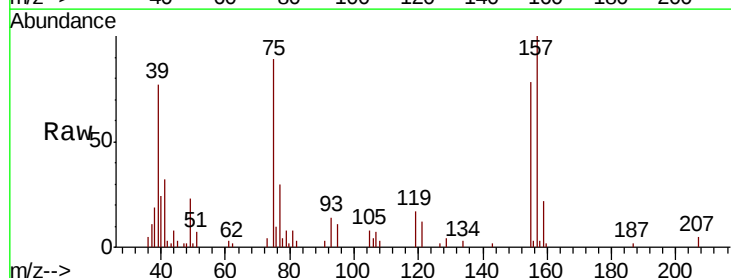
Tgt Ion: 75 Resp: 15173

Ion Ratio Lower Upper

75 100

155 79.2 50.1 150.3

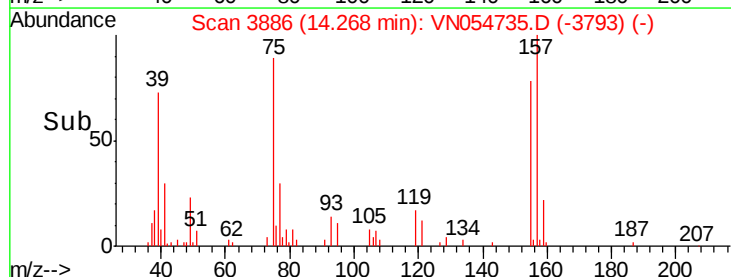
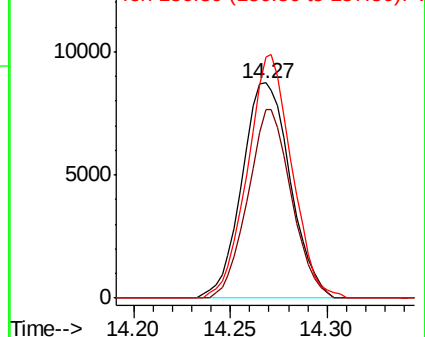
157 103.8 63.1 189.3

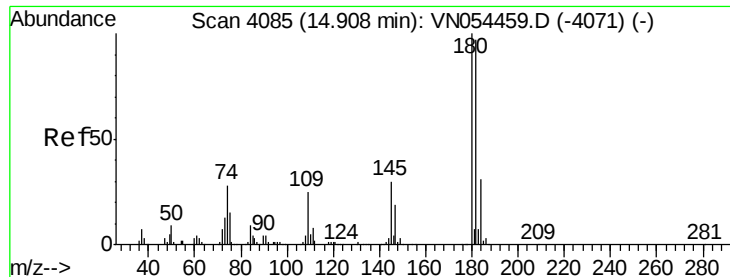


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

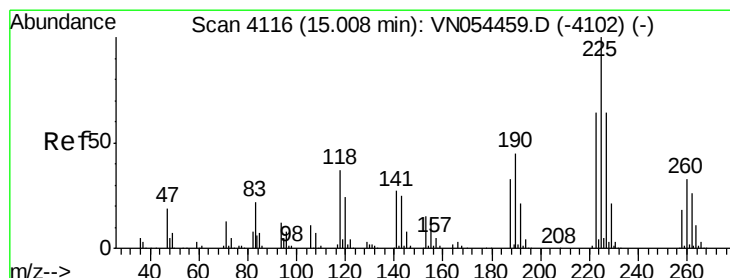
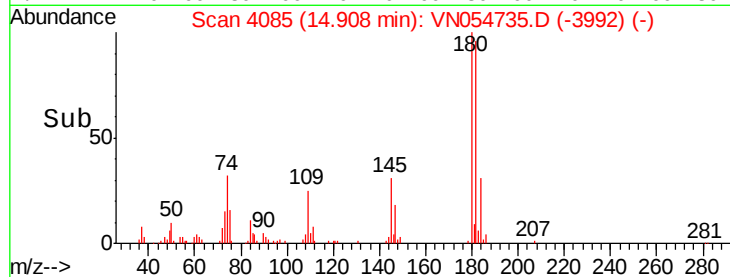
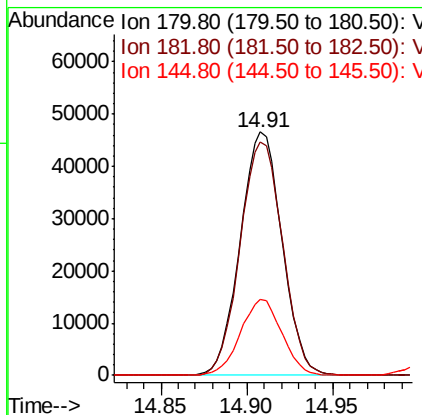
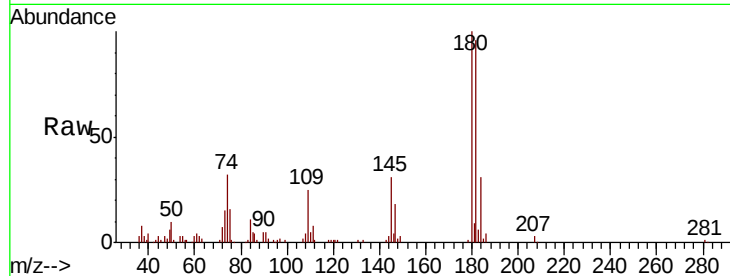




#93
 1,2,4-Trichlorobenzene
 Concen: 18.179 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

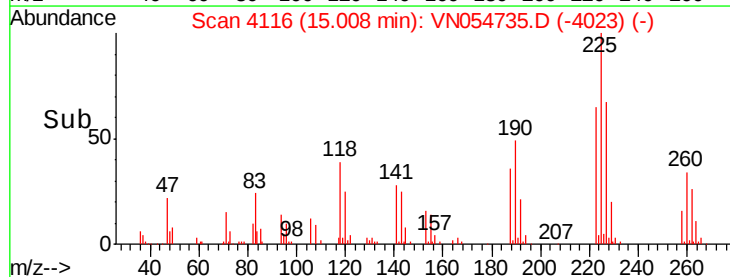
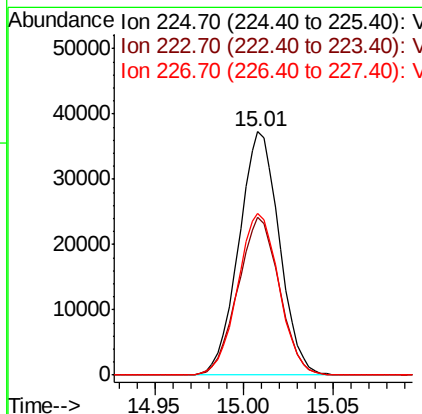
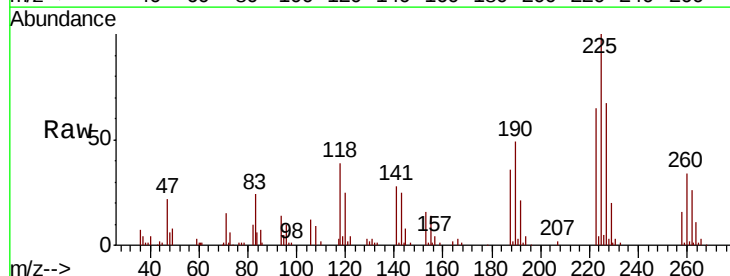
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

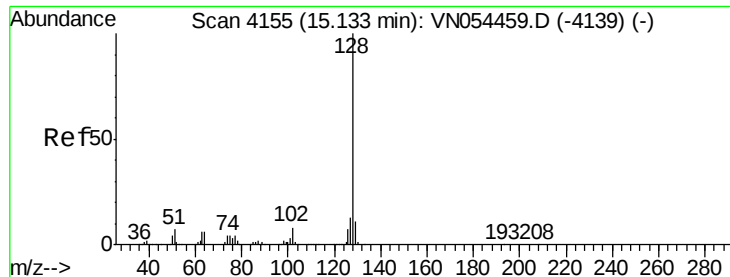
Tot Ion:180 Resp: 78530
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.0 144.2
 145 30.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 22.949 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054735.D
 Acq: 28 Mar 2019 11:09

Tgt Ion:225 Resp: 58953
 Ion Ratio Lower Upper
 225 100
 223 66.1 31.1 93.5
 227 67.7 31.9 95.9





#95

Naphthalene

Concen: 17.843 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBS01

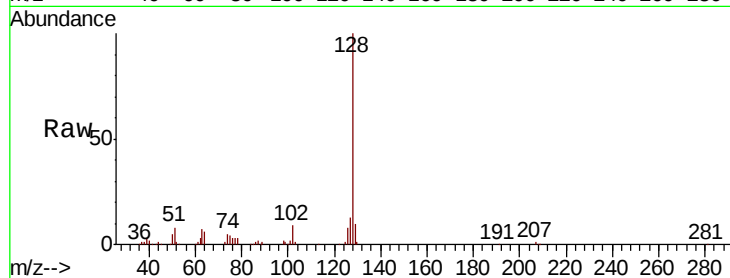
Tot Ion:128 Resp: 171925

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

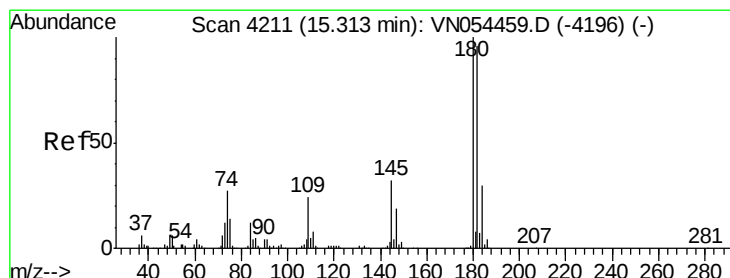
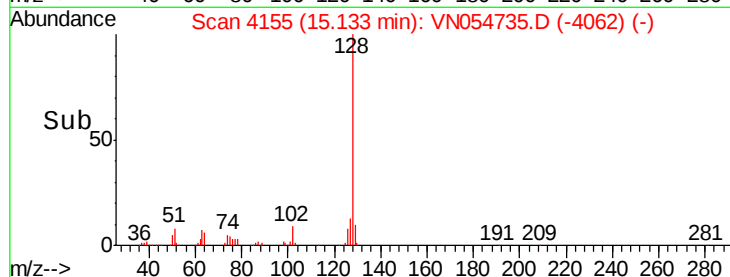
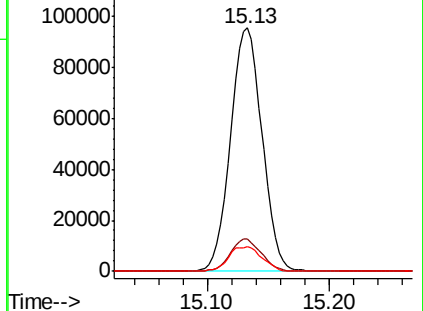
129 10.8 8.7 13.1



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: 18.394 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054735.D

Acq: 28 Mar 2019 11:09

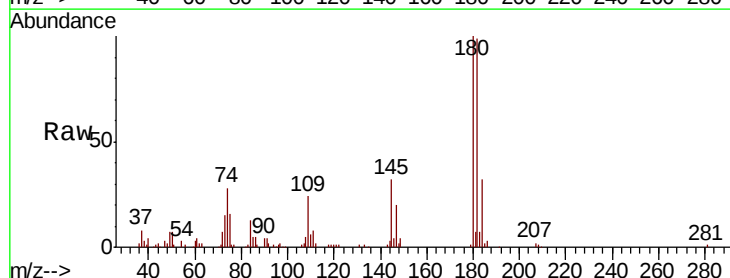
Tgt Ion:180 Resp: 79082

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 32.1 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

