

Data File : VN054157.D
Acq On : 12 Mar 2019 10:02
Operator : JC/SP
Sample : VSTDIC001
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Quant Time: Mar 13 02:35:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1626986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2332750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1993432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	790871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	15097	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	
35) Dibromofluoromethane	7.59	113	12353	0.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.64%	
50) Toluene-d8	10.09	98	48108	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	
62) 4-Bromofluorobenzene	12.40	95	17802	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	13226	0.858 ug/l	97
3) Chloromethane	2.06	50	15876	1.060 ug/l	98
4) Vinyl Chloride	2.19	62	16627	0.971 ug/l	100
5) Bromomethane	2.57	94	13673	1.153 ug/l	93
6) Chloroethane	2.71	64	11323	1.093 ug/l	95
7) Trichlorofluoromethane	3.02	101	24710	1.086 ug/l	96
8) Diethyl Ether	3.41	74	9674	0.933 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	15940	0.935 ug/l #	95
10) Methyl Iodide	3.94	142	12064	1.980 ug/l #	91
11) Tert butyl alcohol	4.81	59	2823	2.374 ug/l #	93
12) 1,1-Dichloroethene	3.73	96	15559	0.921 ug/l	98
13) Acrolein	3.61	56	2807	2.501 ug/l	92
14) Allyl chloride	4.31	41	18732	0.864 ug/l #	77
15) Acrylonitrile	5.00	53	20413	4.195 ug/l #	58
16) Acetone	3.83	43	27310	5.520 ug/l #	87
17) Carbon Disulfide	4.04	76	35391	0.835 ug/l #	93
18) Methyl Acetate	4.32	43	7740	0.773 ug/l	94
19) Methyl tert-butyl Ether	5.05	73	36757	0.877 ug/l	98
20) Methylene Chloride	4.55	84	16220	0.998 ug/l #	89
21) trans-1,2-Dichloroethene	5.05	96	15385	0.950 ug/l #	77
22) Diisopropyl ether	5.96	45	38651	0.893 ug/l	96
23) Vinyl Acetate	5.90	43	123919	3.883 ug/l	98
24) 1,1-Dichloroethane	5.85	63	25367	0.913 ug/l	97
25) 2-Butanone	6.86	43	21771	3.749 ug/l	98
26) 2,2-Dichloropropane	6.82	77	22886	0.936 ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	16112	0.892 ug/l	94
28) Bromochloromethane	7.19	49	10854	0.955 ug/l	90
29) Tetrahydrofuran	7.23	42	16257	4.354 ug/l	98
30) Chloroform	7.37	83	26282	0.906 ug/l	96
31) Cyclohexane	7.65	56	45759	0.547 ug/l #	52
32) 1,1,1-Trichloroethane	7.56	97	22678	0.866 ug/l #	50
36) 1,1-Dichloropropene	7.79	75	20710	0.964 ug/l	98
38) Carbon Tetrachloride	7.77	117	20642	0.916 ug/l	88
39) Methylcyclohexane	9.08	83	24692	0.934 ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	54940	0.894	ug/l	98
41) Methacrylonitrile	7.18	41	3728	0.550	ug/l #	58
42) 1,2-Dichloroethane	8.12	62	18992	0.915	ug/l	93
43) Isopropyl Acetate	8.17	43	17906	0.826	ug/l	97
44) Trichloroethene	8.83	130	17667	0.925	ug/l	92
45) 1,2-Dichloropropane	9.12	63	13285	0.870	ug/l	97
46) Dibromomethane	9.20	93	9791	0.949	ug/l	93
47) Bromodichloromethane	9.40	83	17526	0.848	ug/l #	98
48) Methyl methacrylate	9.20	41	9001	0.819	ug/l	93
49) 1,4-Dioxane	9.21	88	2710	17.424	ug/l #	76
51) 4-Methyl-2-Pentanone	9.99	43	46937	4.094	ug/l	96
52) Toluene	10.15	92	35270	0.905	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	15939	2.633	ug/l #	79
54) cis-1,3-Dichloropropene	9.84	75	19629	0.815	ug/l	98
55) 1,1,2-Trichloroethane	10.57	97	12959	0.911	ug/l	97
56) Ethyl methacrylate	10.43	69	13599	0.801	ug/l	99
57) 1,3-Dichloropropane	10.71	76	20414	0.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	24184	19.892	ug/l	94
59) 2-Hexanone	10.75	43	31195	4.089	ug/l	98
60) Dibromochloromethane	10.90	129	12547	0.783	ug/l	99
61) 1,2-Dibromoethane	11.01	107	12124	0.838	ug/l	100
64) Tetrachloroethene	10.63	164	19523	1.013	ug/l	88
65) Chlorobenzene	11.43	112	40848	0.933	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	13161	0.828	ug/l #	64
67) Ethyl Benzene	11.51	91	67868	0.935	ug/l	99
68) m/p-Xylenes	11.62	106	51917	1.831	ug/l	97
69) o-Xylene	11.95	106	24240	0.877	ug/l	96
70) Styrene	11.96	104	36982	0.853	ug/l	98
71) Bromoform	12.13	173	7259	2.921	ug/l #	92
73) Isopropylbenzene	12.25	105	65423	1.034	ug/l	99
74) N-amyl acetate	12.07	43	12642	0.900	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	13429	0.996	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	16259	1.380	ug/l #	100
77) Bromobenzene	12.53	156	17201	1.027	ug/l	98
78) n-propylbenzene	12.59	91	67898	0.989	ug/l	99
79) 2-Chlorotoluene	12.67	91	42216	1.023	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	53549	1.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	1213	3.163	ug/l #	1
82) 4-Chlorotoluene	12.77	91	41693	1.011	ug/l	98
83) tert-Butylbenzene	12.99	119	51144	1.056	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	49978	0.968	ug/l	99
85) sec-Butylbenzene	13.17	105	63018	1.003	ug/l	98
86) p-Isopropyltoluene	13.29	119	54044	0.981	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26764	0.949	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	26764	0.965	ug/l	98
89) n-Butylbenzene	13.61	91	34828	0.832	ug/l	97
90) Hexachloroethane	13.88	117	8417	0.922	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	27096	0.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2020	0.968	ug/l	85
93) 1,2,4-Trichlorobenzene	14.91	180	9423	3.054	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Quantitation Report (Not Reviewed)

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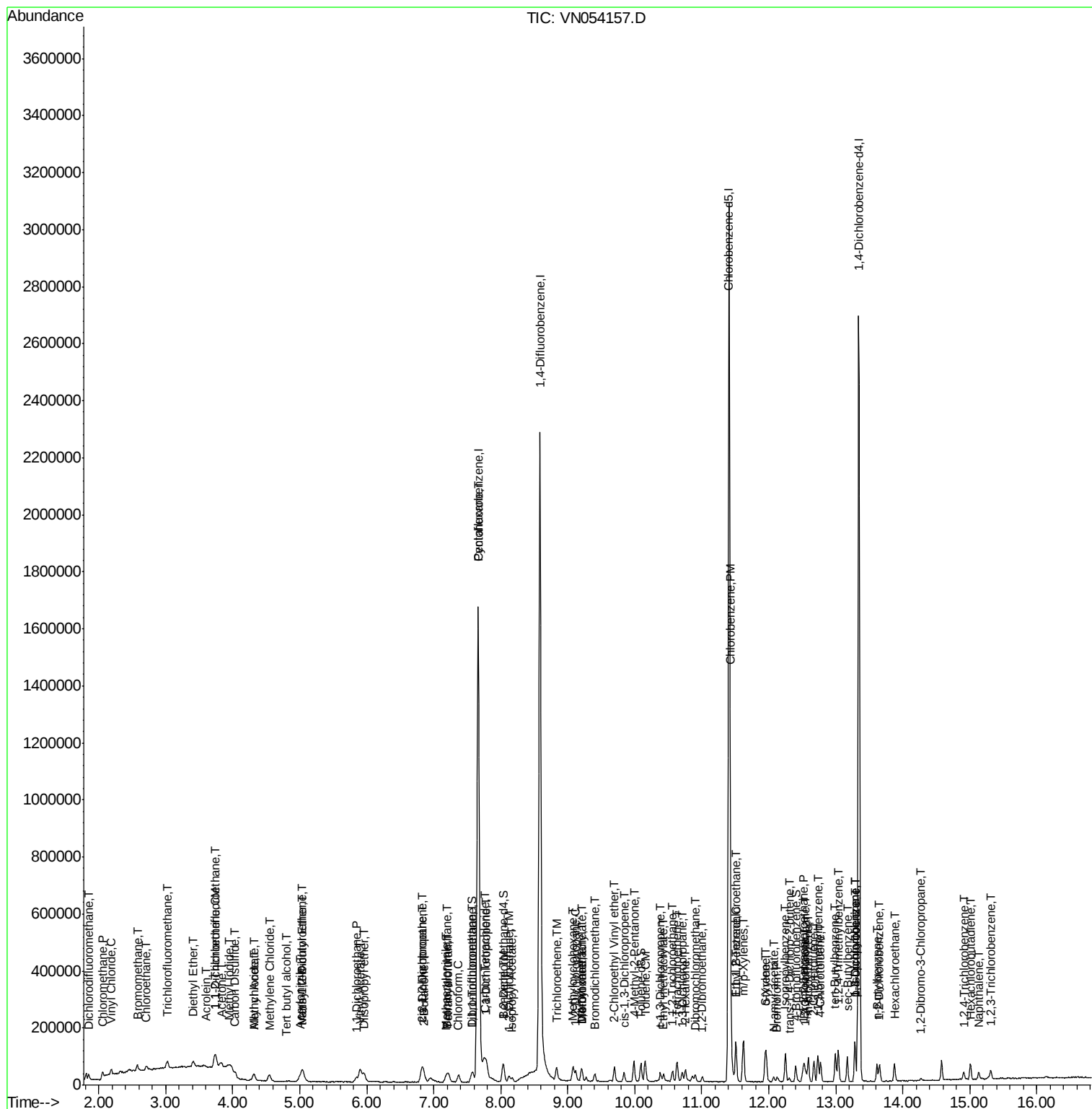
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	11432	1.088	ug/l	93
95) Naphthalene	15.14	128	20871	4.030	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	11601	0.792	ug/l #	59

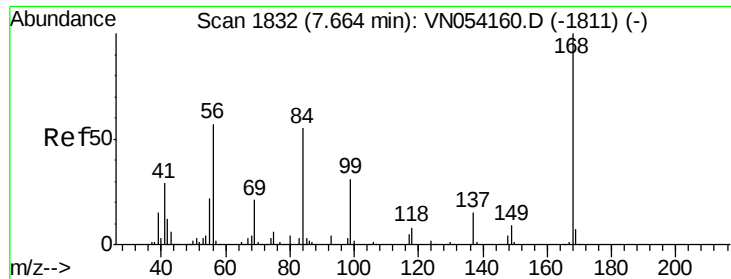
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

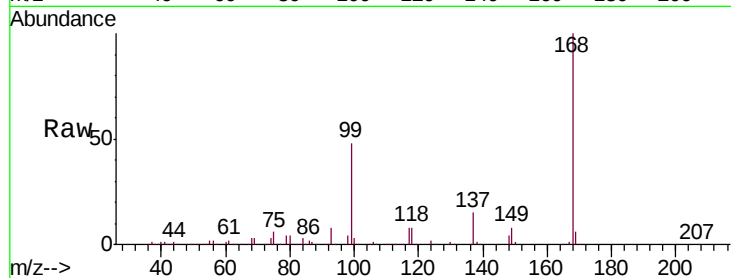
VSTDIC001

Tgt Ion:168 Resp: 1626986

Ion Ratio Lower Upper

168 100

99 47.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054160.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN054160.D (-1811) (-)

7.66

600000

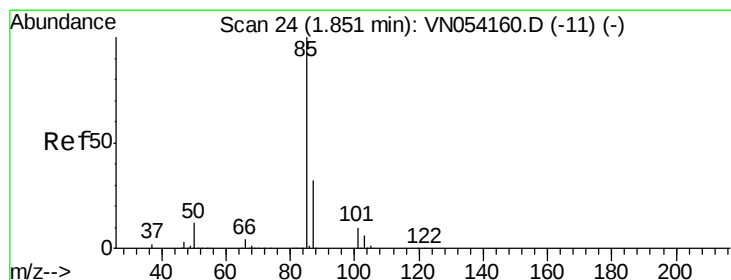
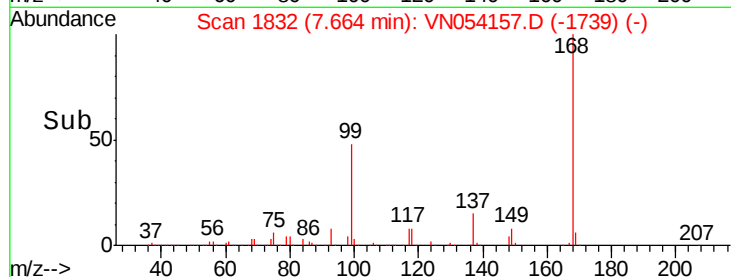
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 0.858 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054157.D

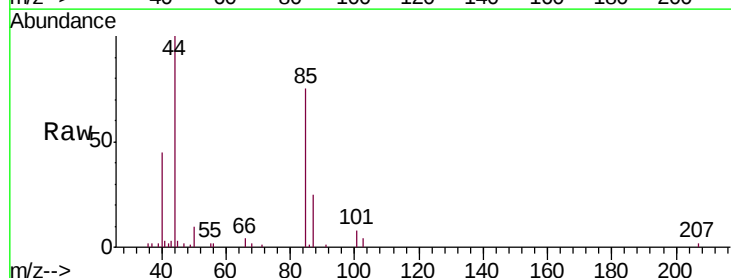
Acq: 12 Mar 2019 10:02

Tgt Ion: 85 Resp: 13226

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054160.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN054160.D (-11) (-)

1.85

10000

8000

6000

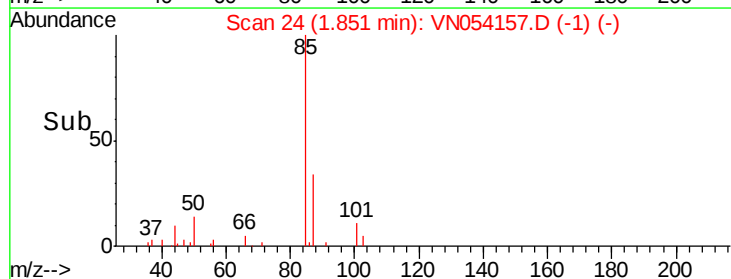
4000

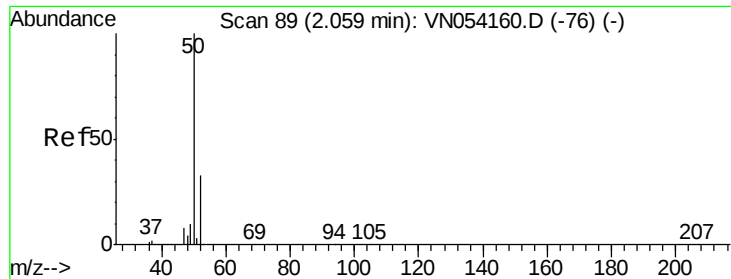
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.060 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

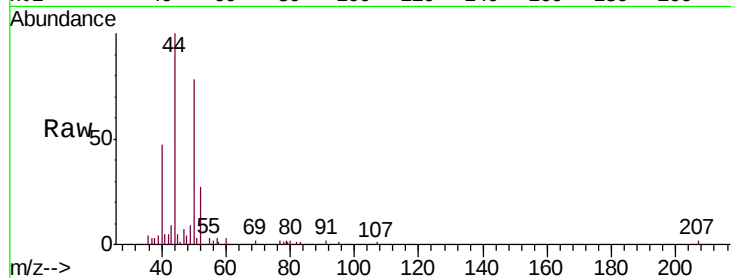
VSTDIC001

Tgt Ion: 50 Resp: 15876

Ion Ratio Lower Upper

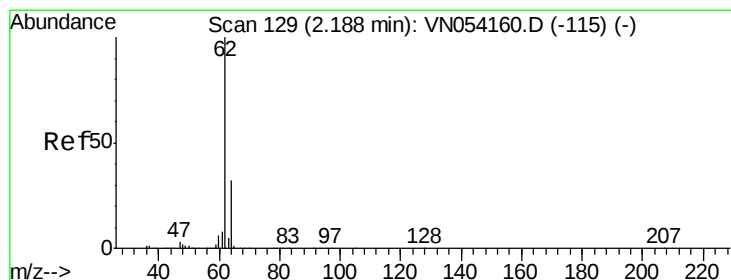
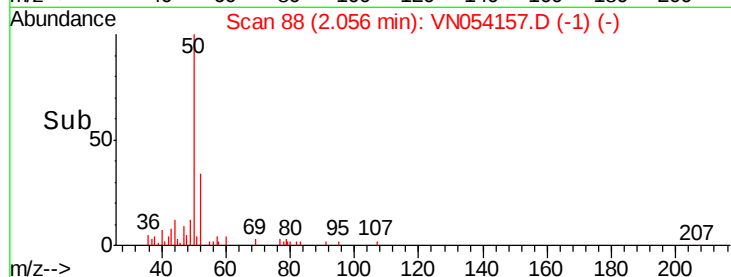
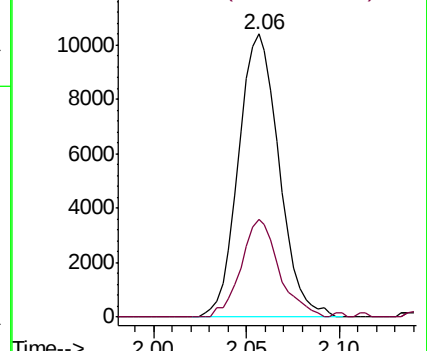
50 100

52 34.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.971 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054157.D

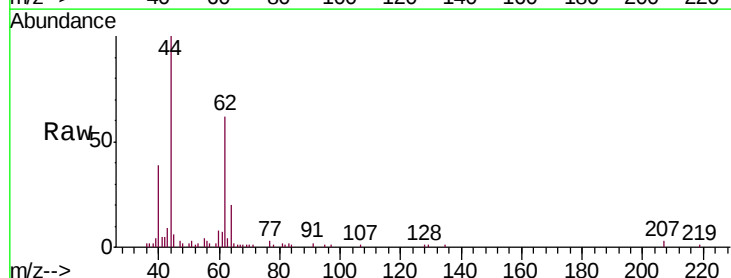
Acq: 12 Mar 2019 10:02

Tgt Ion: 62 Resp: 16627

Ion Ratio Lower Upper

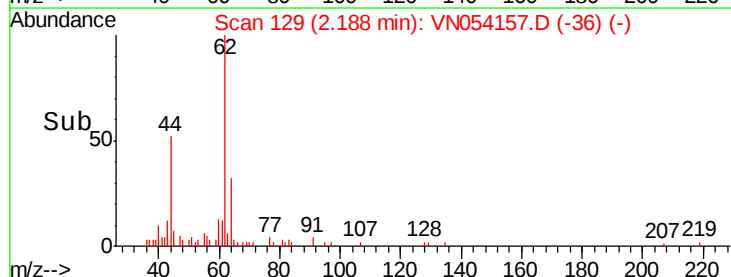
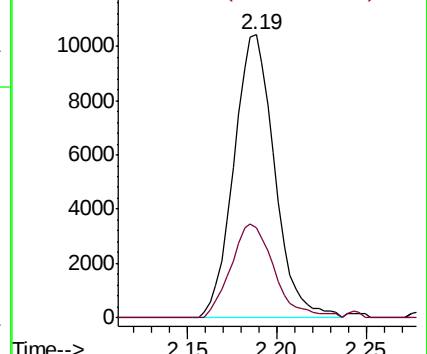
62 100

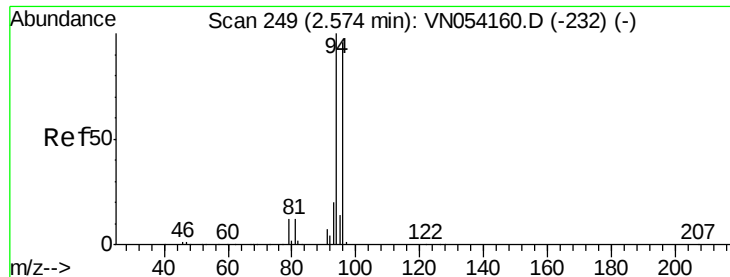
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.153 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

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ClientSampleId :

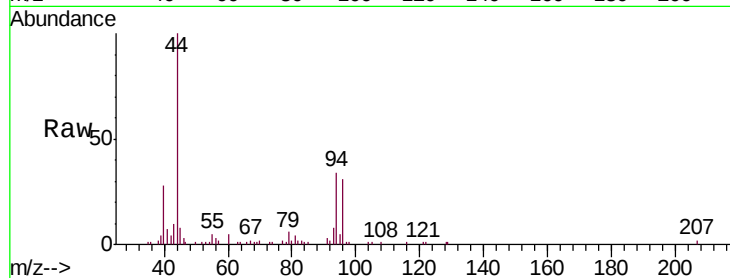
VSTDIC001

Tgt Ion: 94 Resp: 13673

Ion Ratio Lower Upper

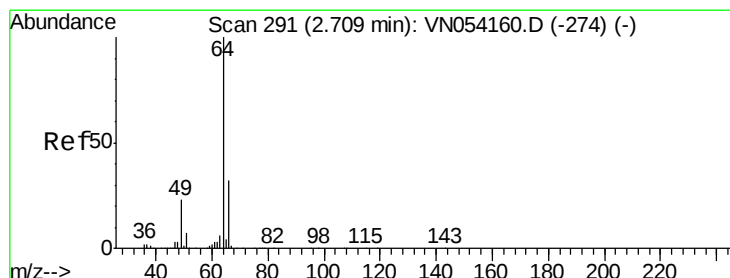
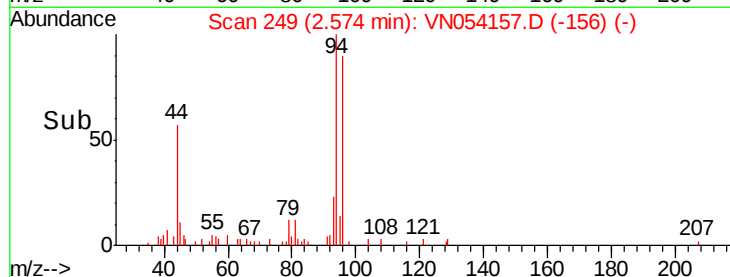
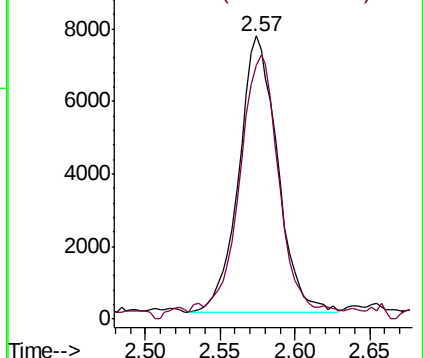
94 100

96 89.4 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: 1.093 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054157.D

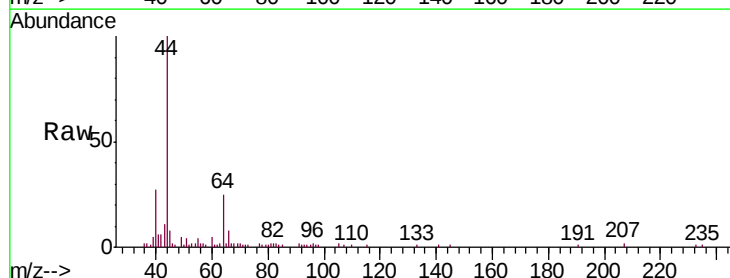
Acq: 12 Mar 2019 10:02

Tgt Ion: 64 Resp: 11323

Ion Ratio Lower Upper

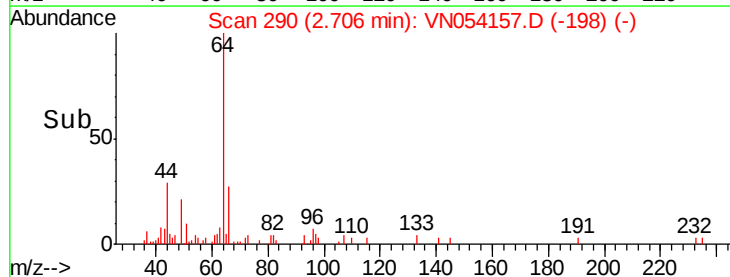
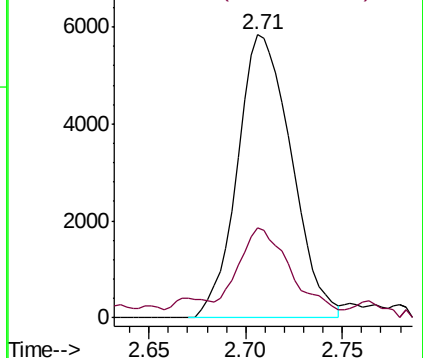
64 100

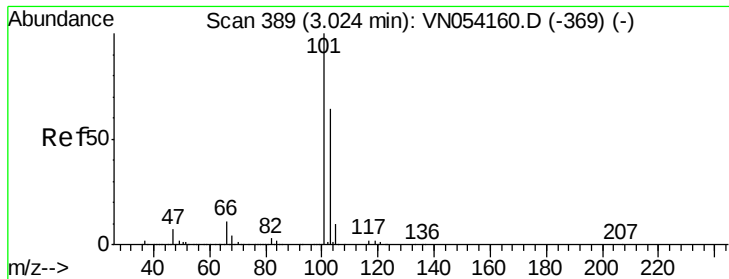
66 29.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 1.086 ug/l

RT: 3.02 min Scan# 388

Delta R.T. -0.00 min

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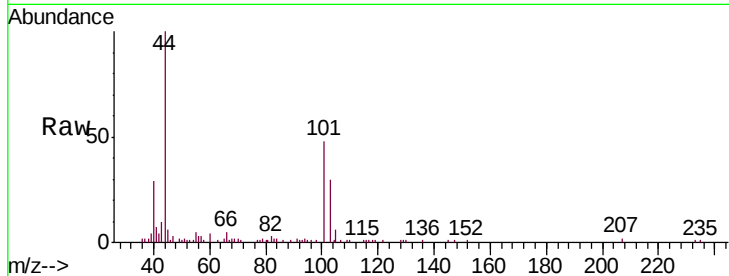
VSTDIC001

Tgt Ion:101 Resp: 24710

Ion Ratio Lower Upper

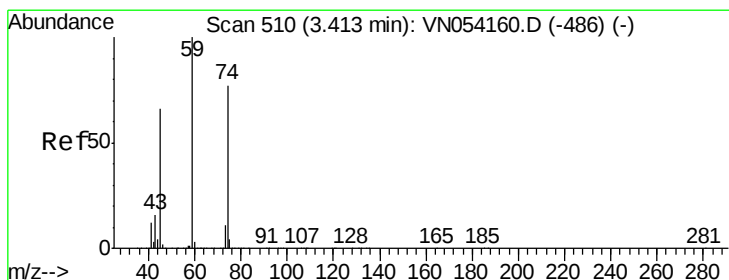
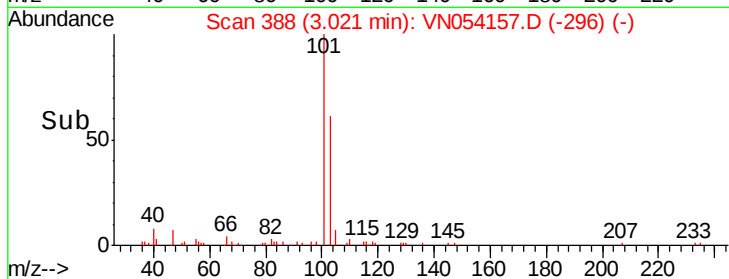
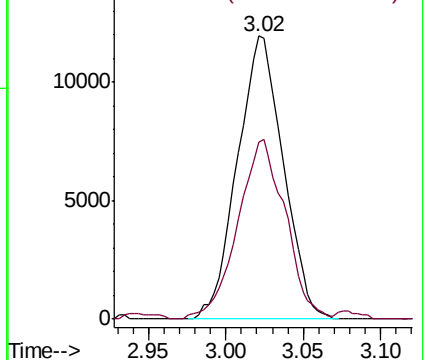
101 100

103 60.9 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.933 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN054157.D

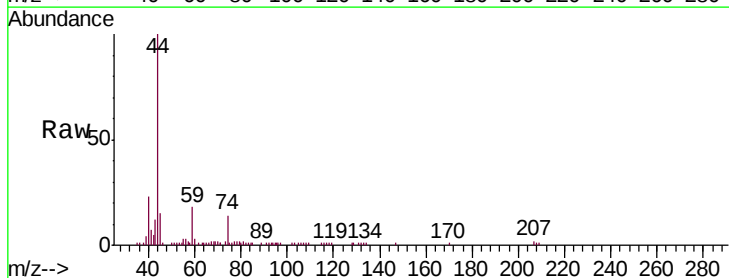
Acq: 12 Mar 2019 10:02

Tgt Ion: 74 Resp: 9674

Ion Ratio Lower Upper

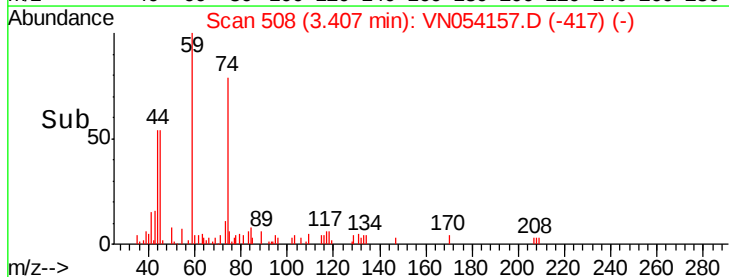
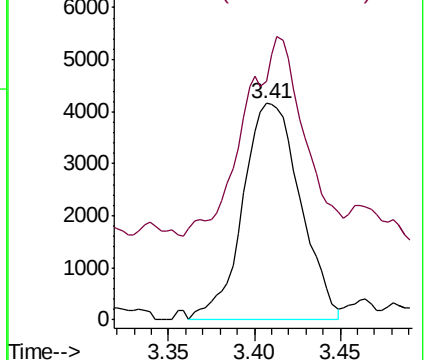
74 100

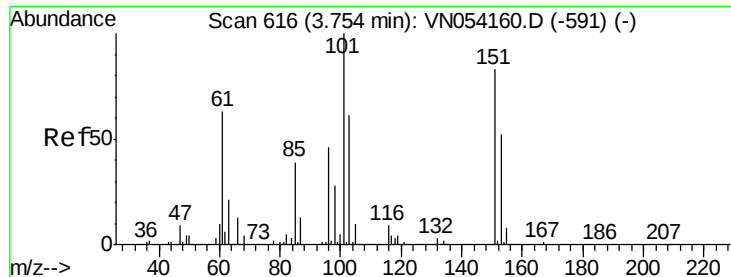
45 95.9 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.935 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

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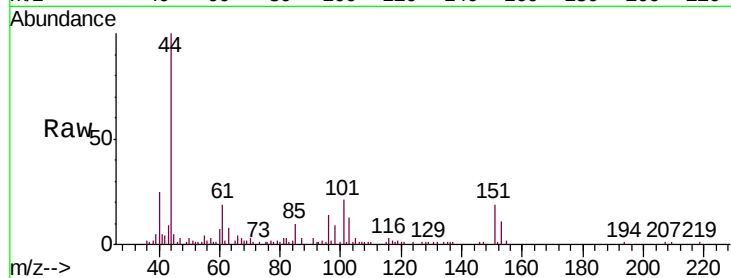
Tgt Ion:101 Resp: 15940

Ion Ratio Lower Upper

101 100

85 50.0 32.4 48.6#

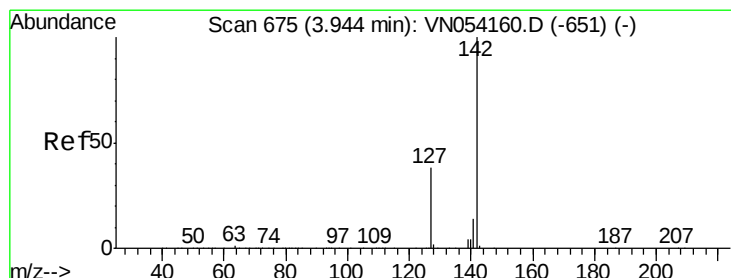
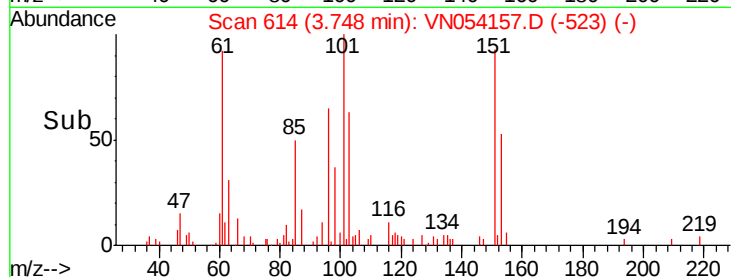
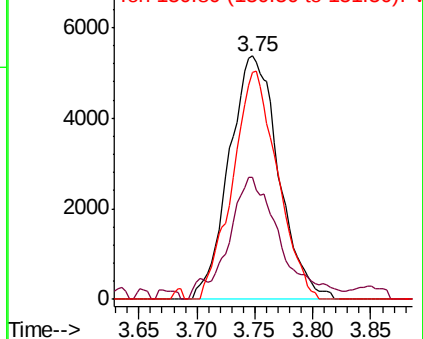
151 85.0 68.2 102.2



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: 1.980 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

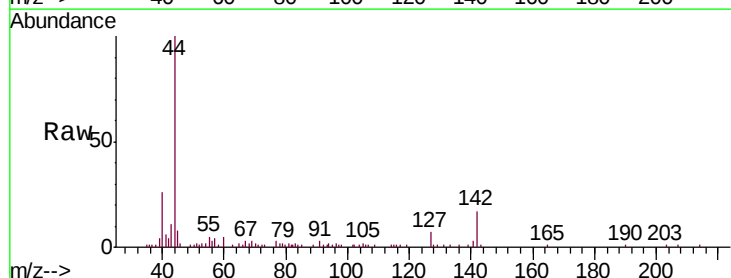
Tgt Ion:142 Resp: 12064

Ion Ratio Lower Upper

142 100

127 41.3 30.3 45.5

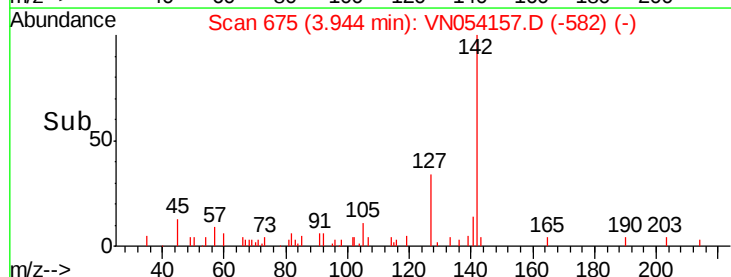
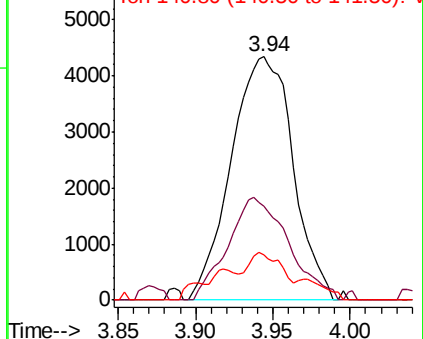
141 6.9 11.2 16.8#

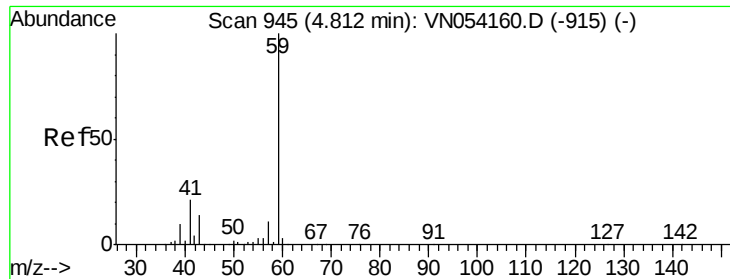


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

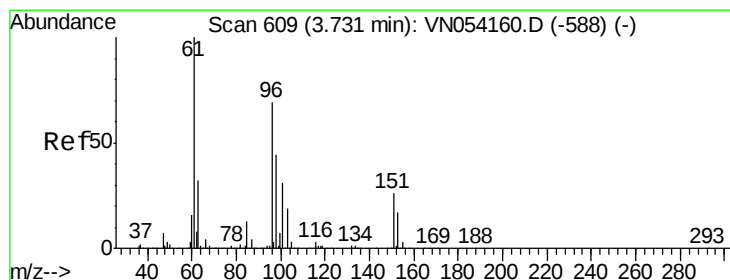
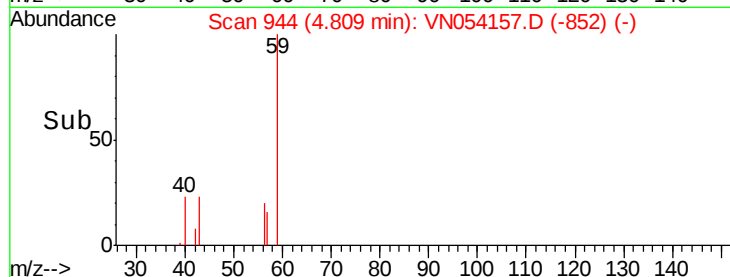
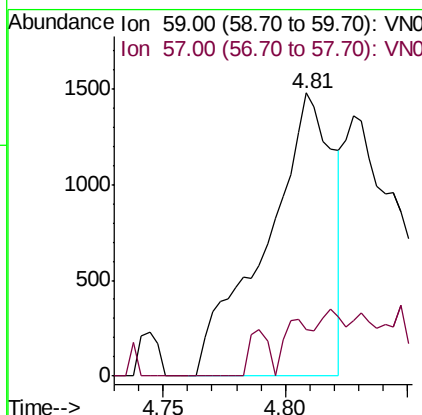
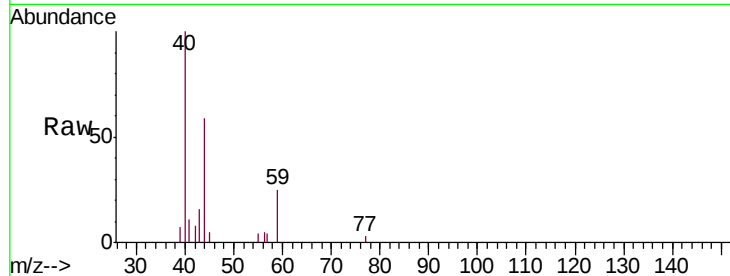




#11
Tert butyl alcohol
Concen: 2.374 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

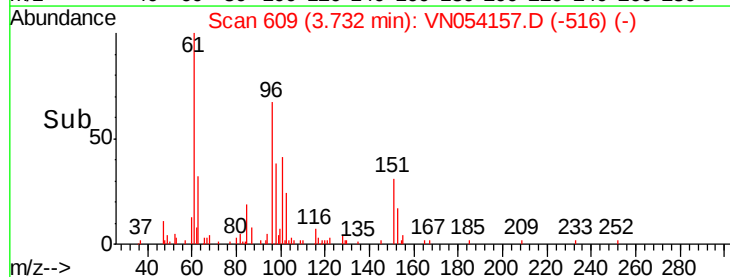
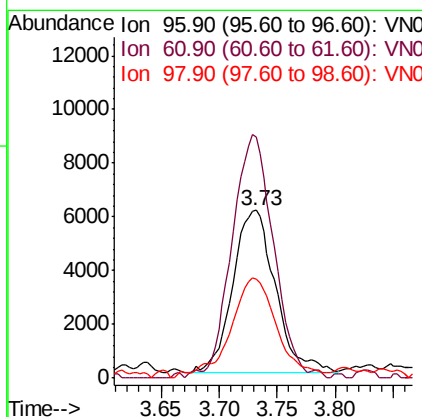
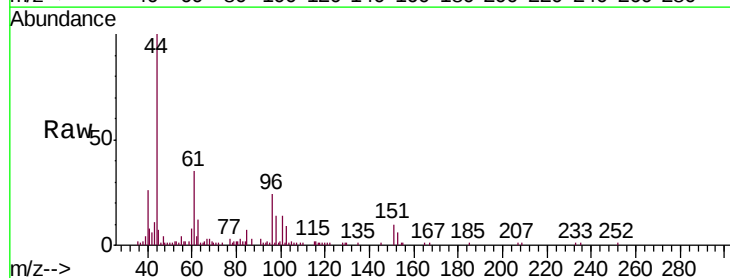
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

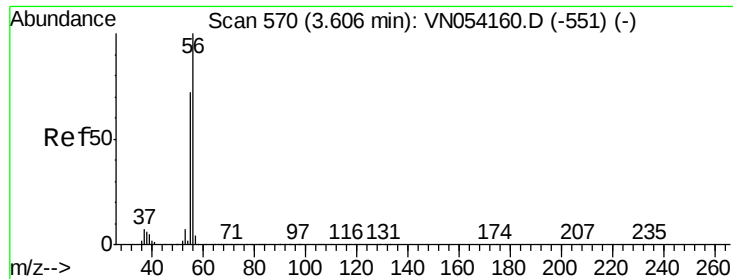
Tgt Ion: 59 Resp: 2823
Ion Ratio Lower Upper
59 100
57 8.6 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 0.921 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 96 Resp: 15559
Ion Ratio Lower Upper
96 100
61 145.5 116.5 174.7
98 57.8 51.0 76.4





#13

Acrolein

Concen: 2.501 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

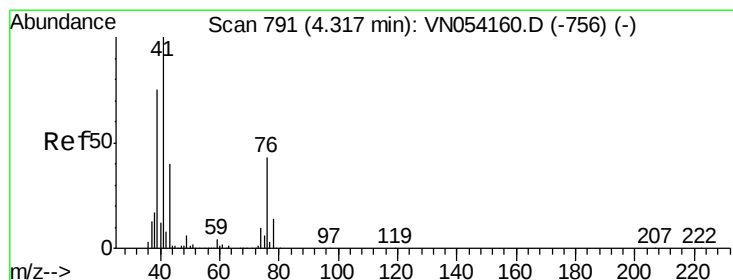
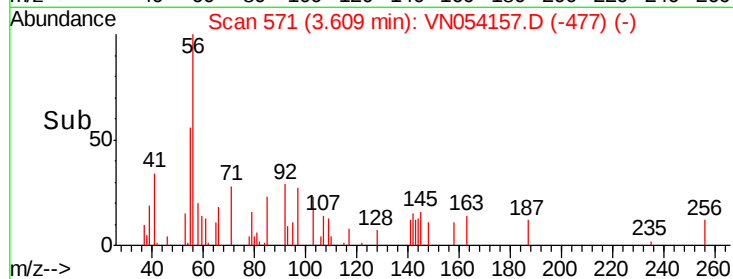
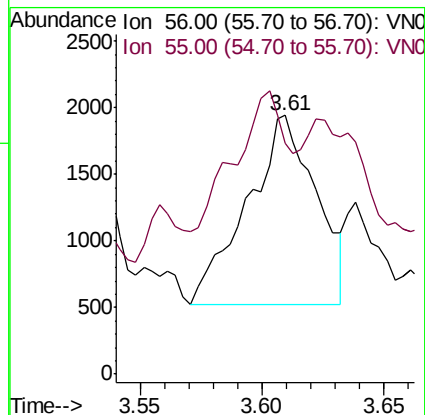
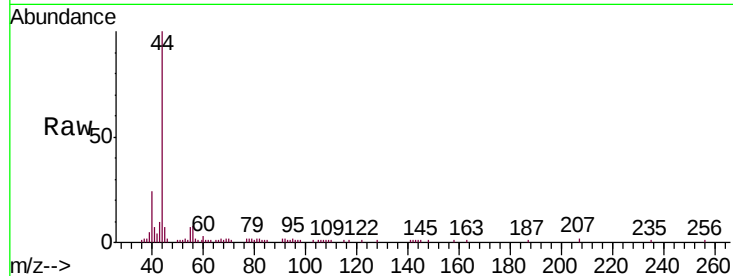
VSTDIC001

Tgt Ion: 56 Resp: 2807

Ion Ratio Lower Upper

56 100

55 64.5 56.7 85.1



#14

Allyl chloride

Concen: 0.864 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

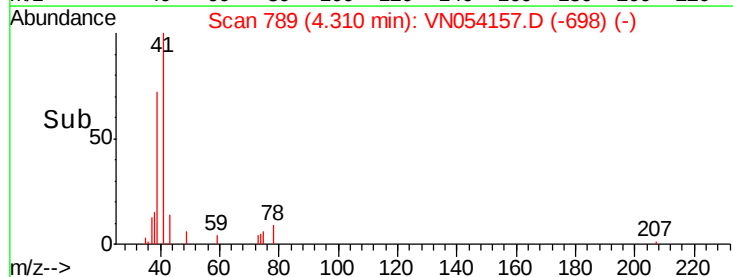
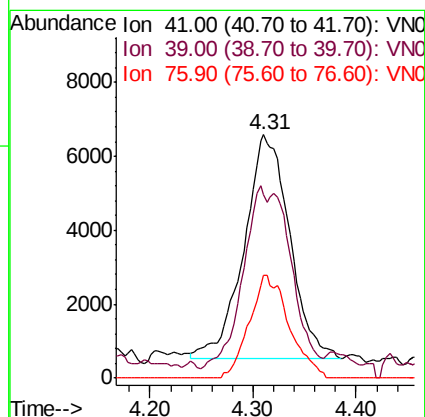
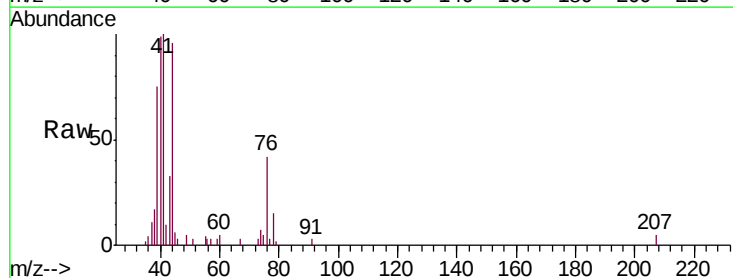
Tgt Ion: 41 Resp: 18732

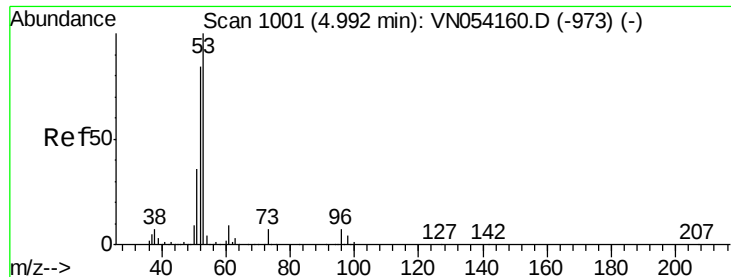
Ion Ratio Lower Upper

41 100

39 42.7 58.2 87.4#

76 39.8 31.7 47.5





#15

Acrylonitrile

Concen: 4.195 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

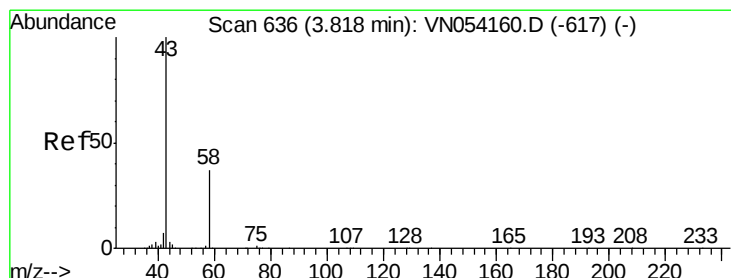
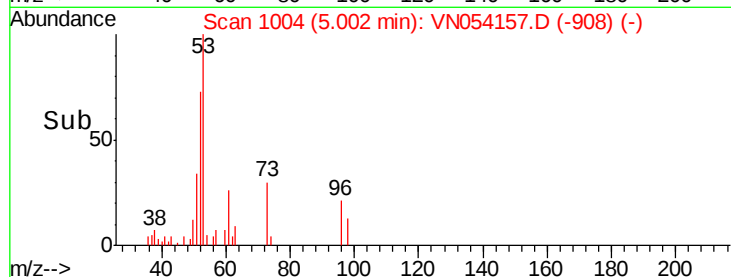
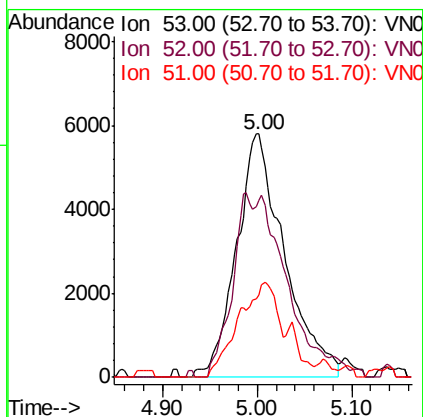
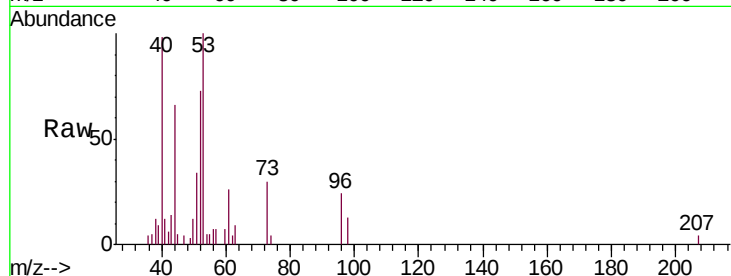
Tgt Ion: 53 Resp: 20413

Ion Ratio Lower Upper

53 100

52 32.5 66.4 99.6#

51 31.6 29.6 44.4



#16

Acetone

Concen: 5.520 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054157.D

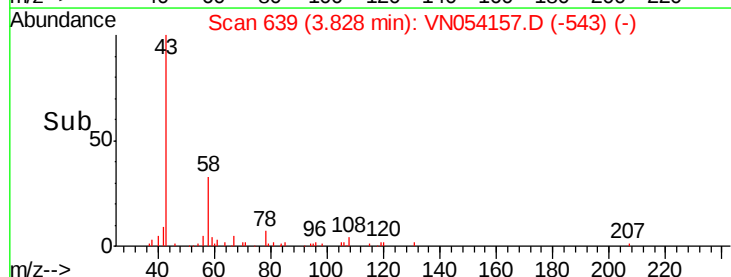
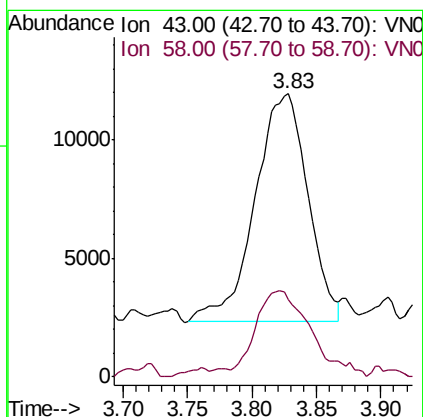
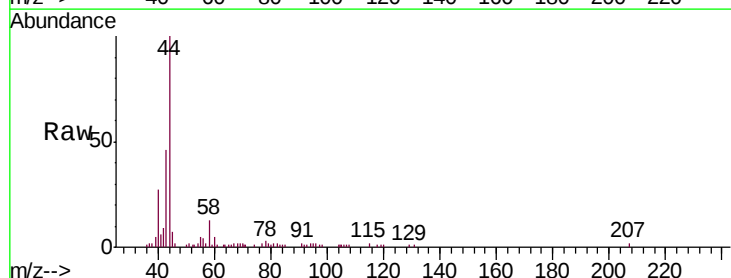
Acq: 12 Mar 2019 10:02

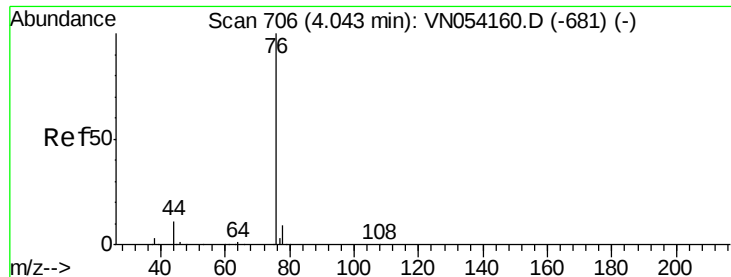
Tgt Ion: 43 Resp: 27310

Ion Ratio Lower Upper

43 100

58 29.6 29.9 44.9#

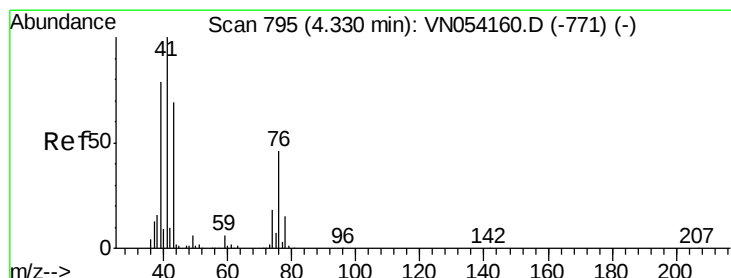
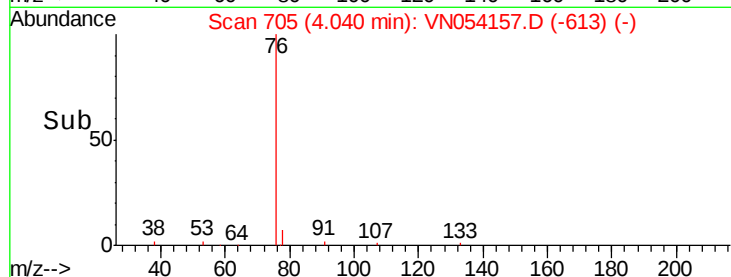
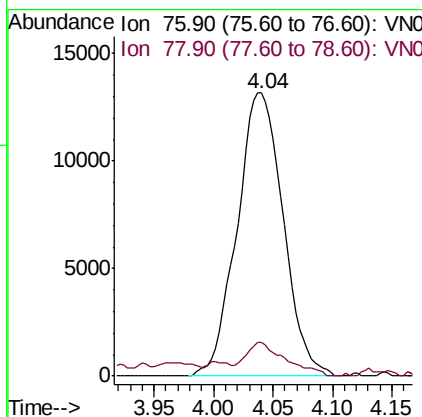
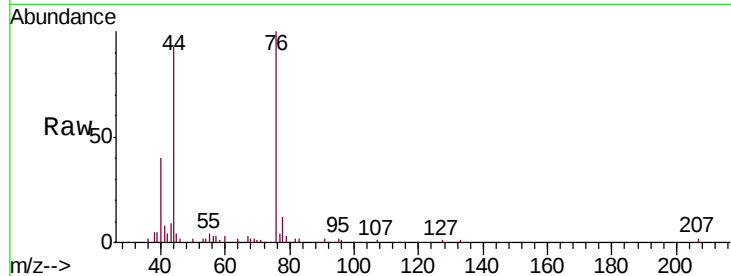




#17
Carbon Disulfide
Concen: 0.835 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

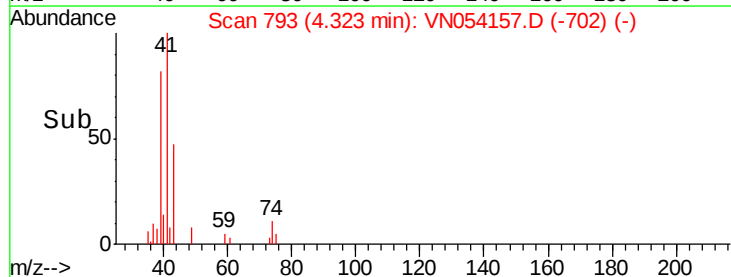
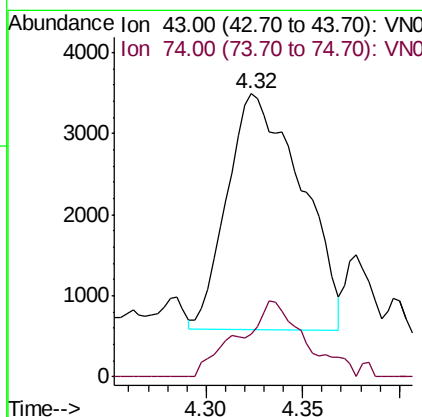
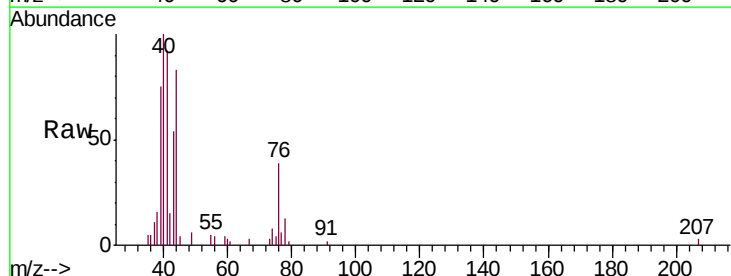
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

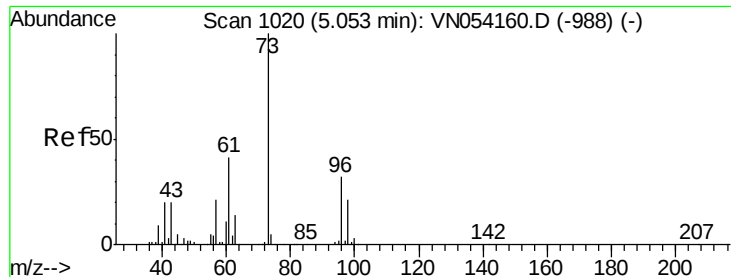
Tgt Ion: 76 Resp: 35391
Ion Ratio Lower Upper
76 100
78 12.1 7.5 11.3#



#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 43 Resp: 7740
Ion Ratio Lower Upper
43 100
74 28.9 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 0.877 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

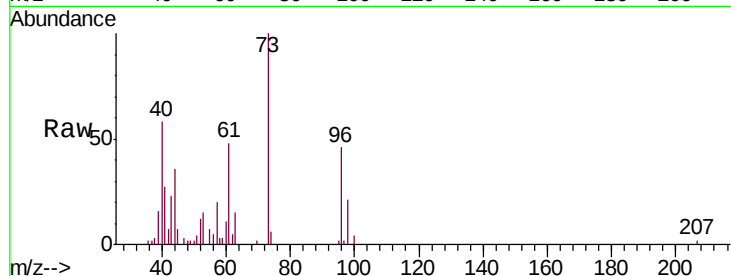
VSTDIC001

Tgt Ion: 73 Resp: 36757

Ion Ratio Lower Upper

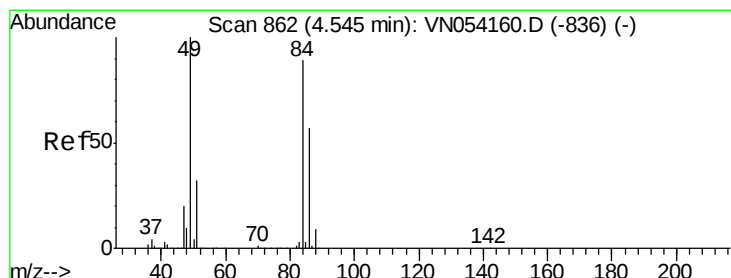
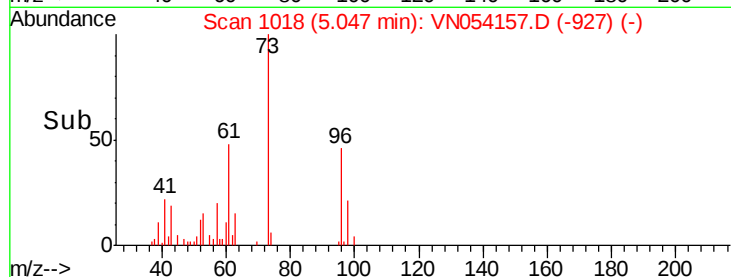
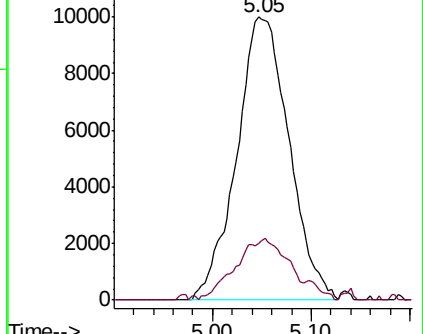
73 100

57 19.9 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN054160.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN054160.D (-988) (-)



#20

Methylene Chloride

Concen: 0.998 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion: 84 Resp: 16220

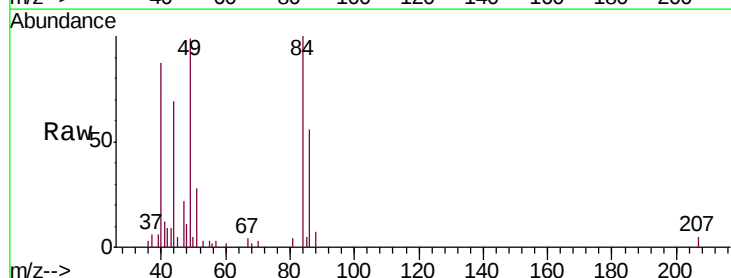
Ion Ratio Lower Upper

84 100

49 99.5 89.7 134.5

51 27.7 28.2 42.4#

86 55.7 50.8 76.2

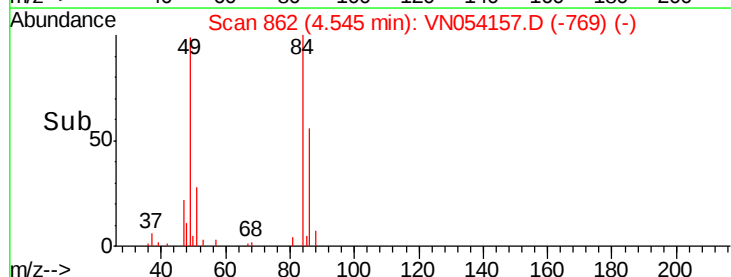
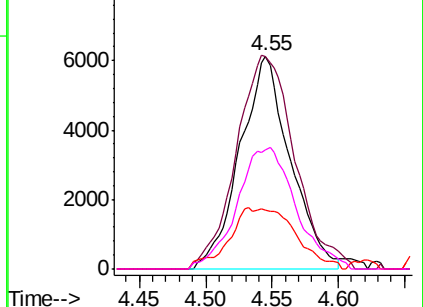


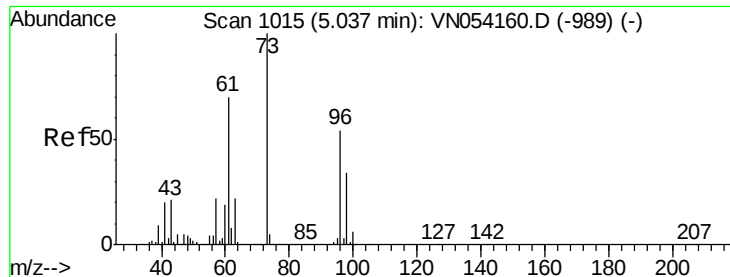
Abundance Ion 83.90 (83.60 to 84.60): VN054160.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN054160.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN054160.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN054160.D (-836) (-)

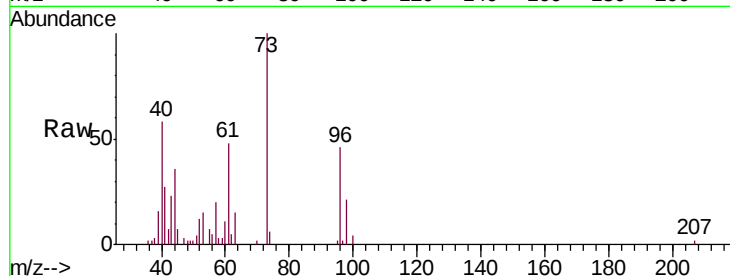




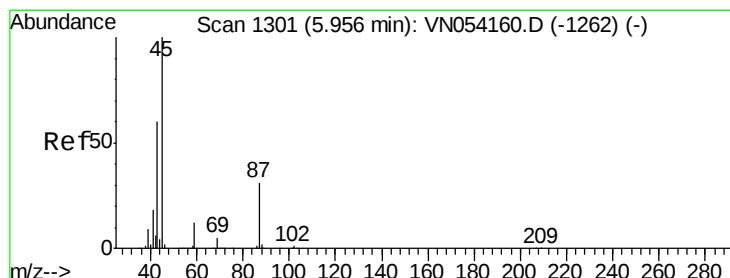
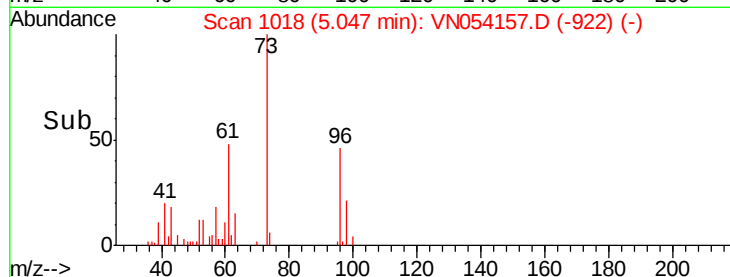
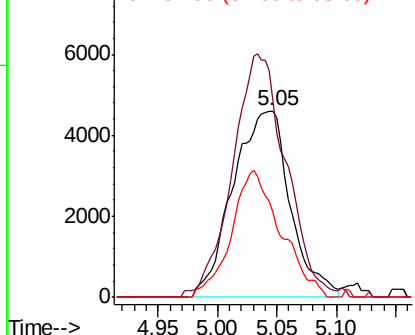
#21
trans-1,2-Dichloroethene
Concen: 0.950 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 15385
Ion Ratio Lower Upper
96 100
61 101.5 102.8 154.2#
98 45.8 50.0 75.0#

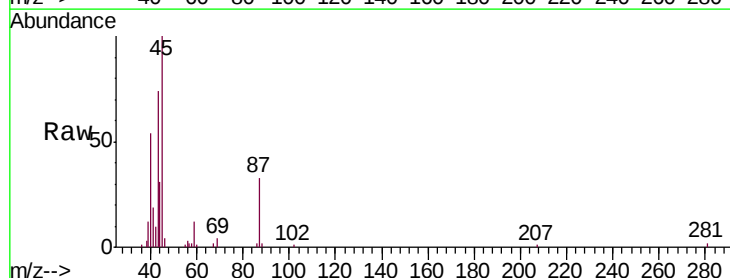


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

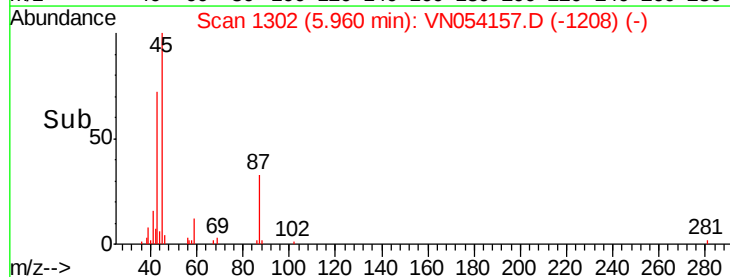
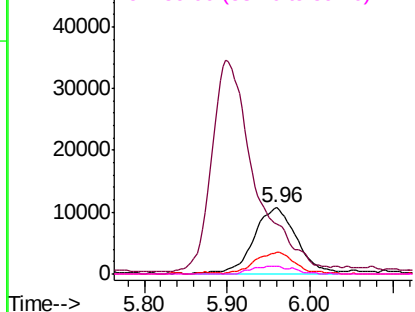


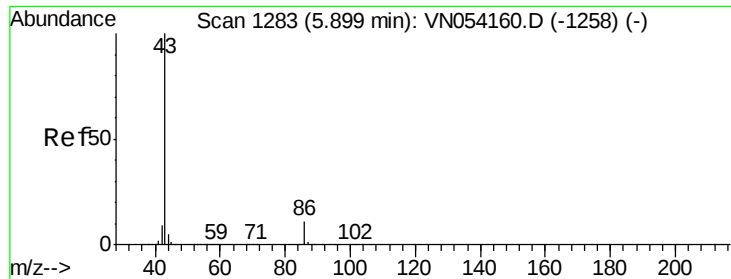
#22
Diisopropyl ether
Concen: 0.893 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 45 Resp: 38651
Ion Ratio Lower Upper
45 100
43 63.8 48.2 72.2
87 32.7 24.9 37.3
59 12.3 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

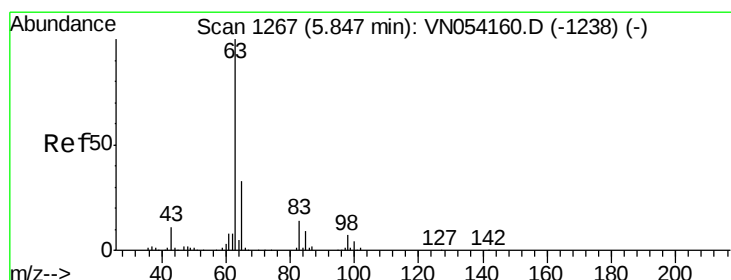
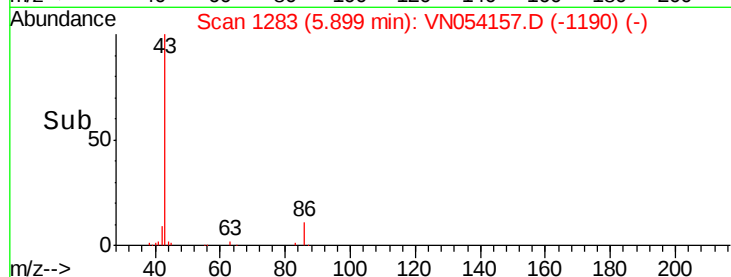
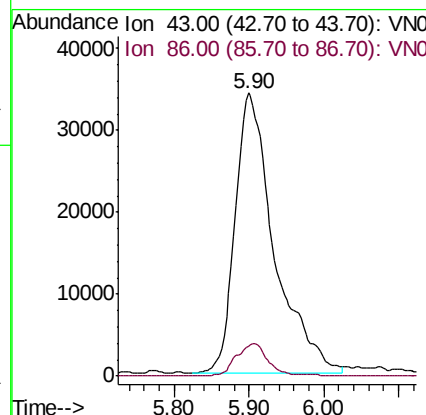
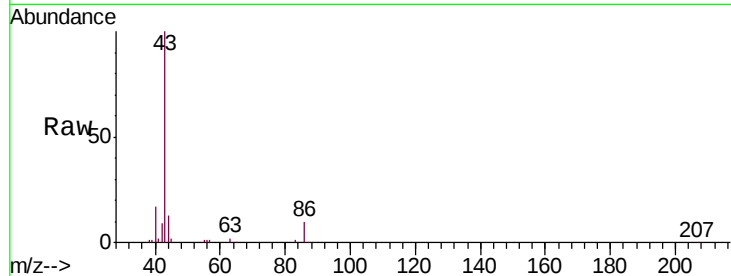




#23
 Vinyl Acetate
 Concen: 3.883 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

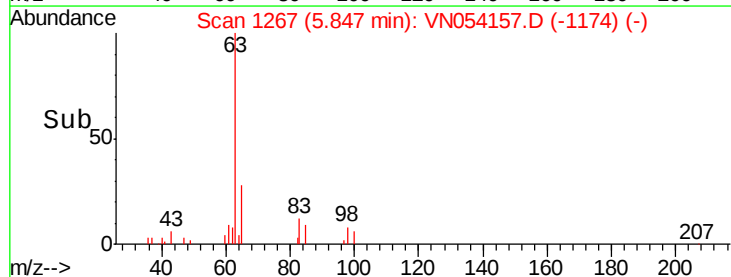
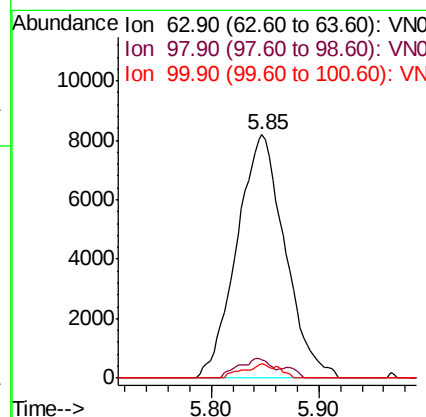
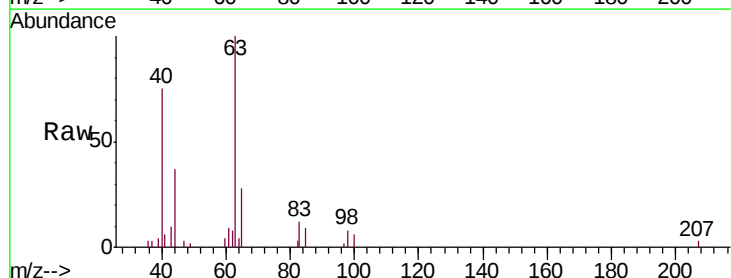
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

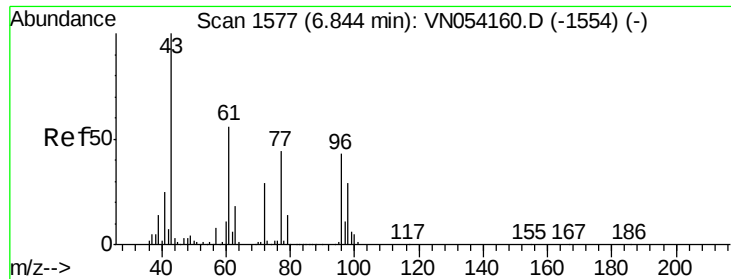
Tgt Ion: 43 Resp: 123919
 Ion Ratio Lower Upper
 43 100
 86 10.6 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 0.913 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 63 Resp: 25367
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.5
 100 5.7 2.0 6.0

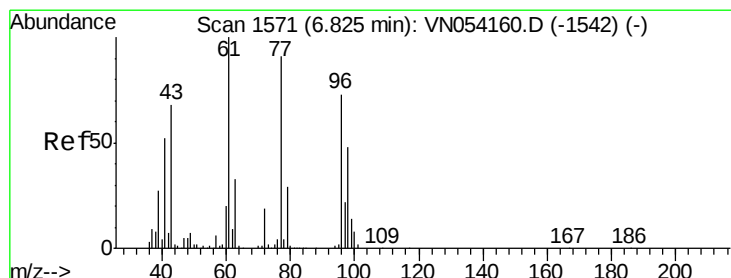
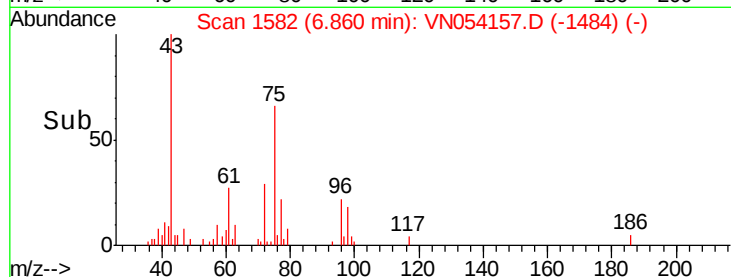
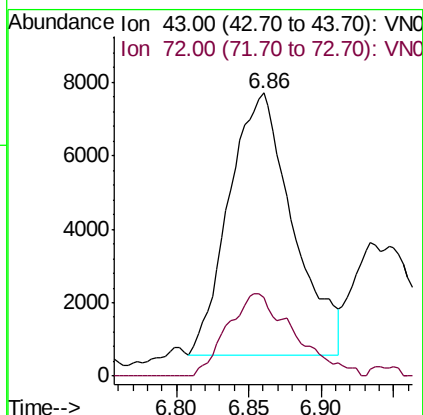
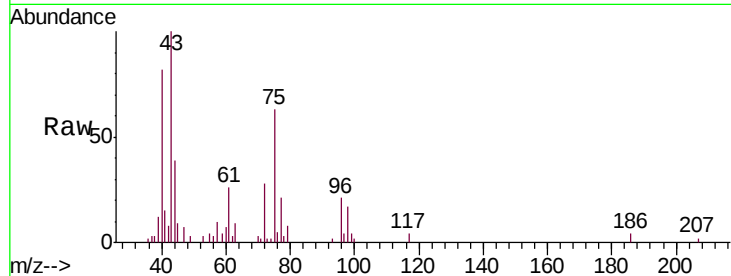




#25
2-Butanone
Concen: 3.749 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

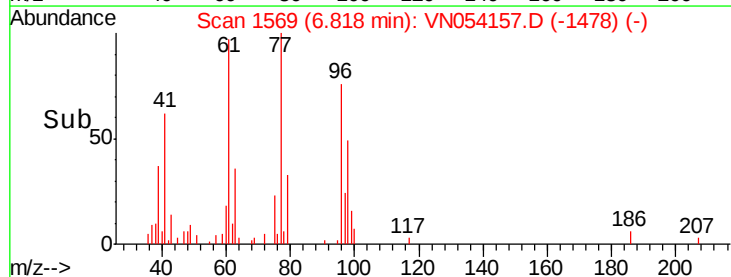
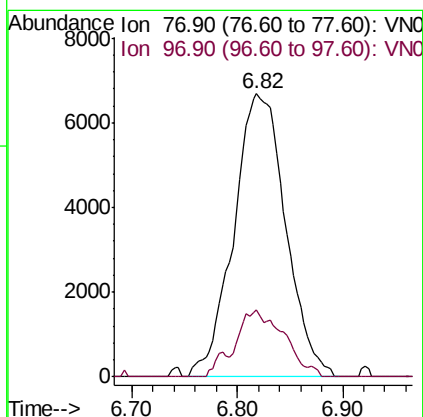
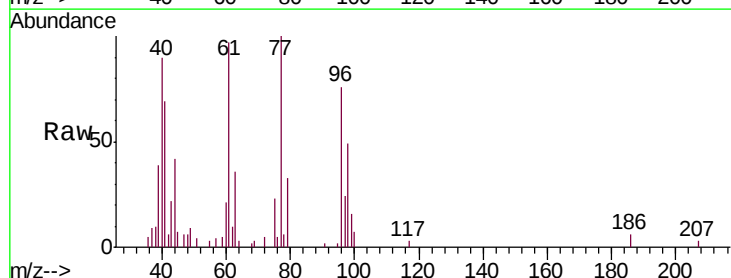
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

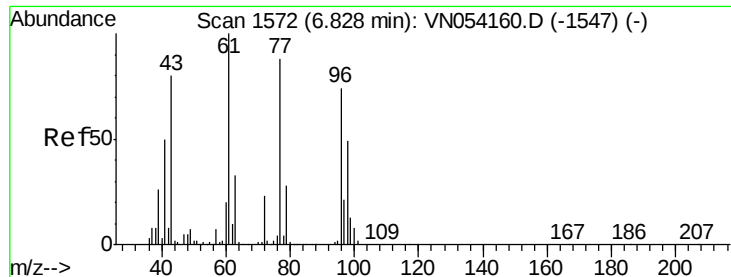
Tgt Ion: 43 Resp: 21771
Ion Ratio Lower Upper
43 100
72 29.8 23.0 34.6



#26
2,2-Dichloropropane
Concen: 0.936 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 77 Resp: 22886
Ion Ratio Lower Upper
77 100
97 20.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 0.892 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

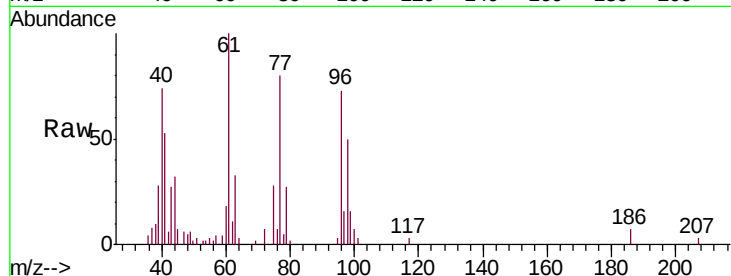
Tgt Ion: 96 Resp: 16112

Ion Ratio Lower Upper

96 100

61 143.1 0.0 273.0

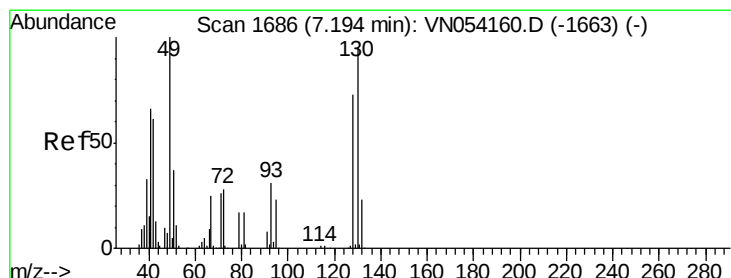
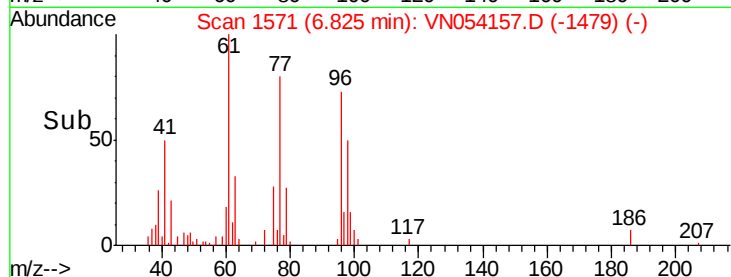
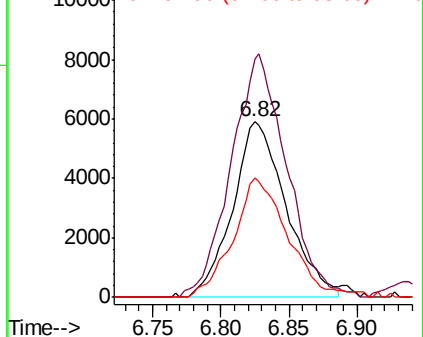
98 69.7 0.0 130.6



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: 0.955 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

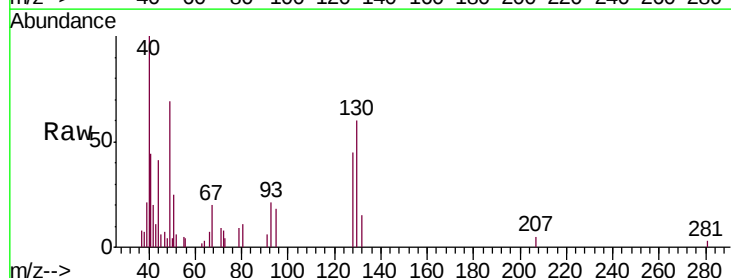
Tgt Ion: 49 Resp: 10854

Ion Ratio Lower Upper

49 100

129 0.3 0.0 4.6

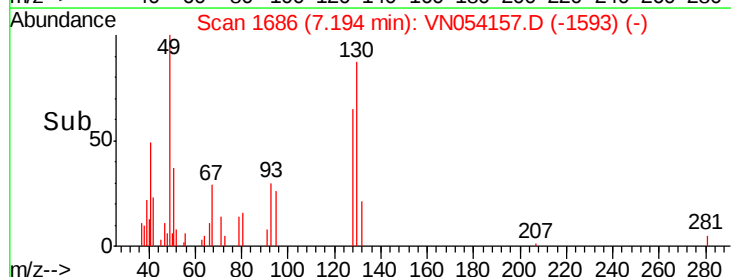
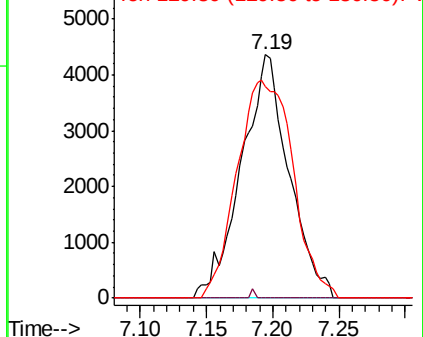
130 105.5 76.7 115.1

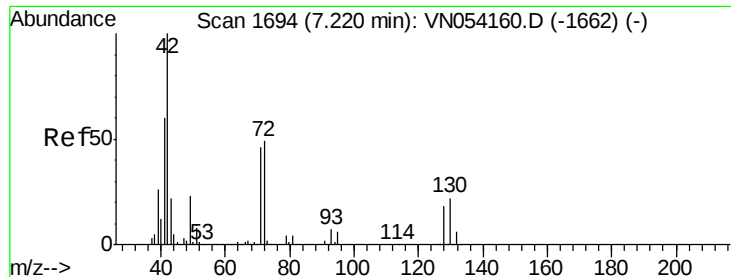


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

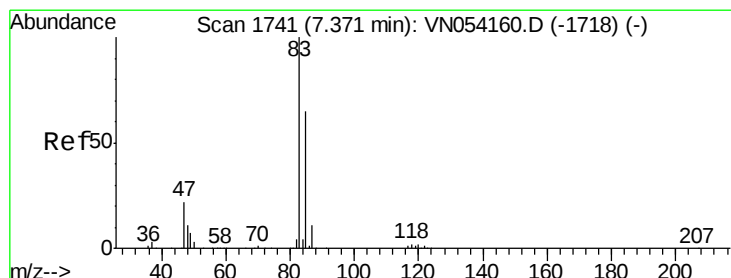
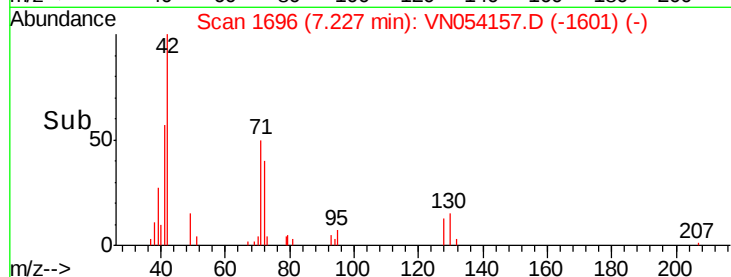
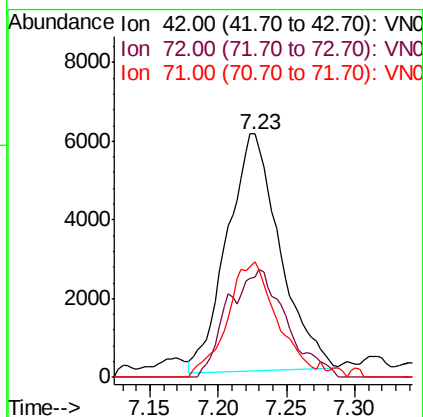
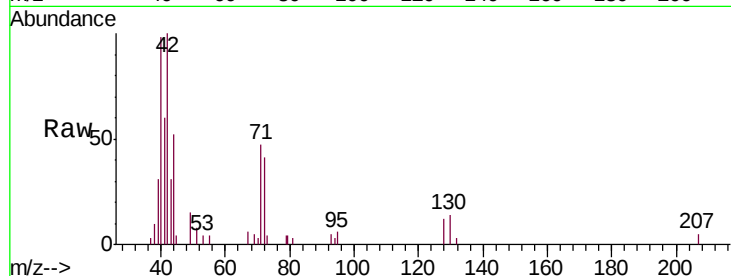




#29
Tetrahydrofuran
Concen: 4.354 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

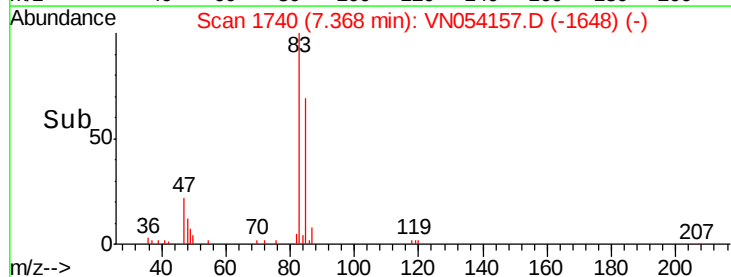
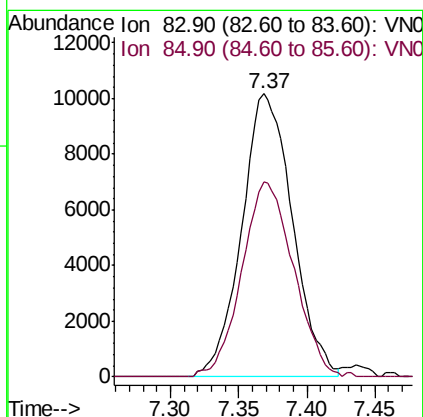
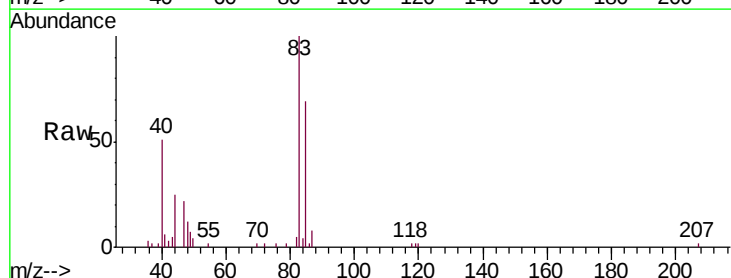
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

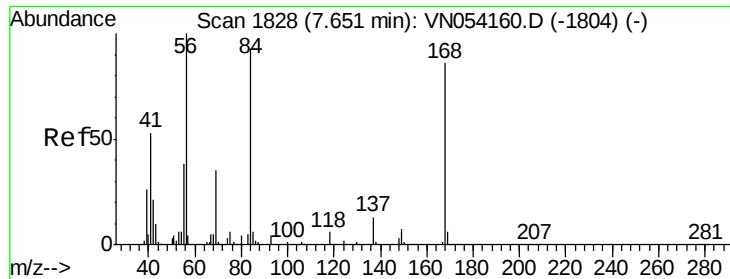
Tgt Ion: 42 Resp: 16257
Ion Ratio Lower Upper
42 100
72 50.0 37.8 56.6
71 45.7 36.2 54.2



#30
Chloroform
Concen: 0.906 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 83 Resp: 26282
Ion Ratio Lower Upper
83 100
85 68.8 52.2 78.4

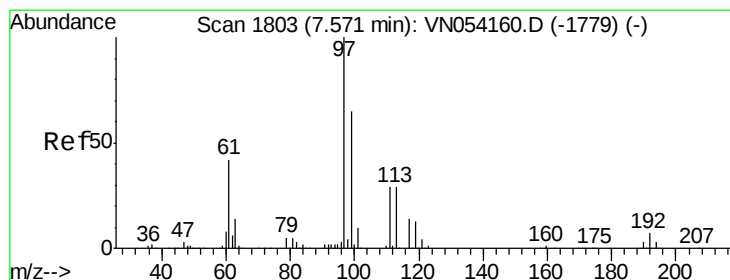
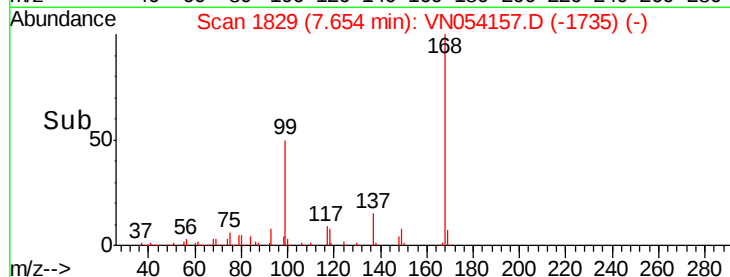
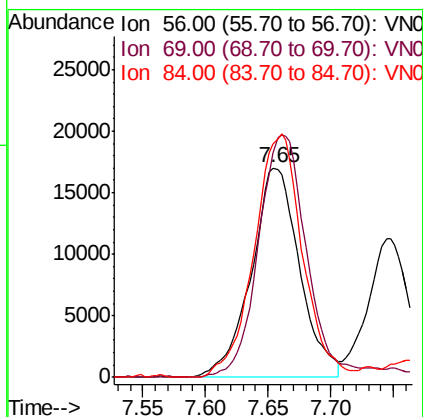
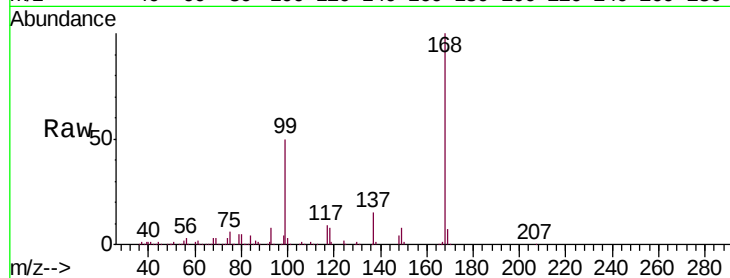




#31
Cyclohexane
Concen: 0.547 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

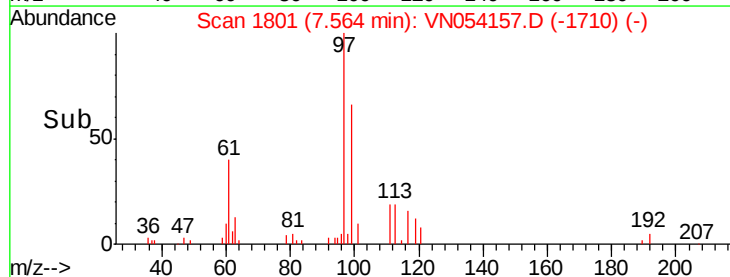
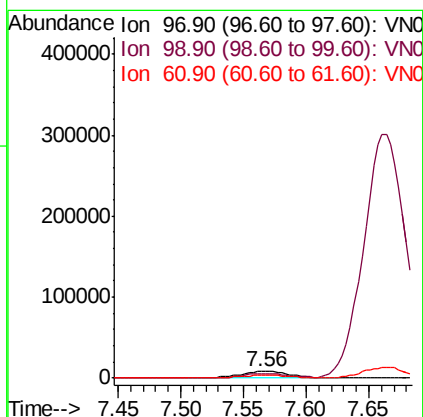
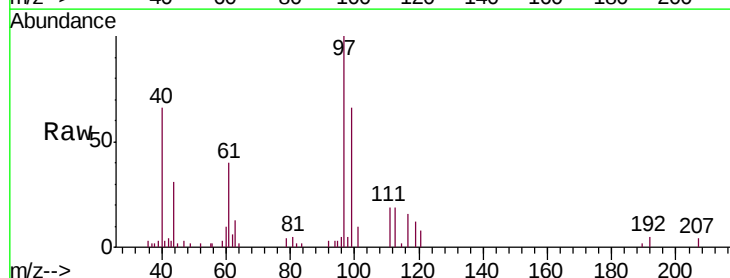
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

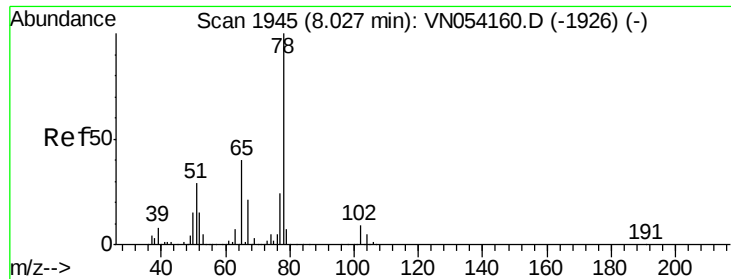
Tgt Ion: 56 Resp: 45759
Ion Ratio Lower Upper
56 100
69 106.9 27.8 41.6#
84 111.3 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 0.866 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 97 Resp: 22678
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 43.0 33.6 50.4

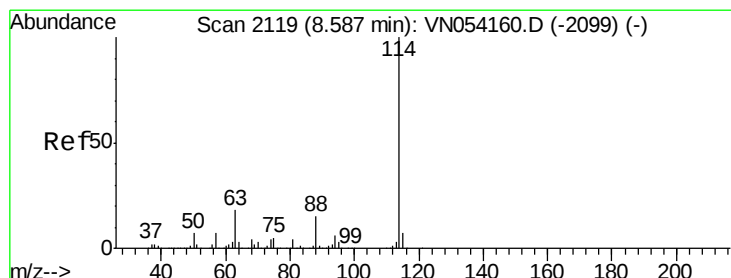
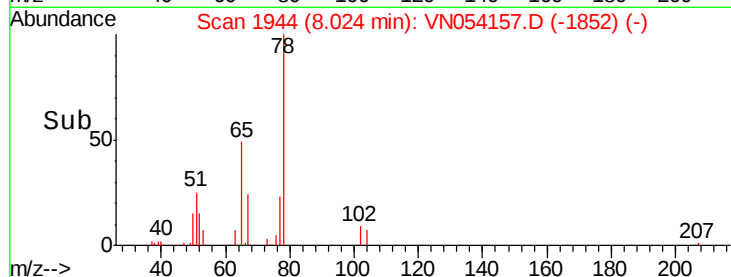
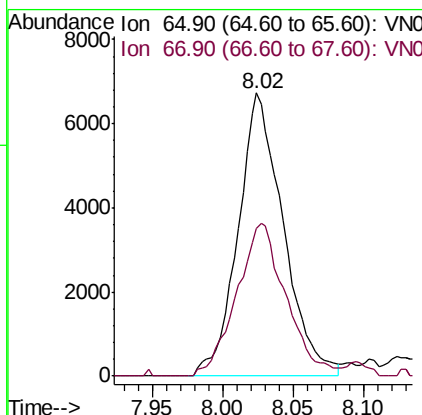
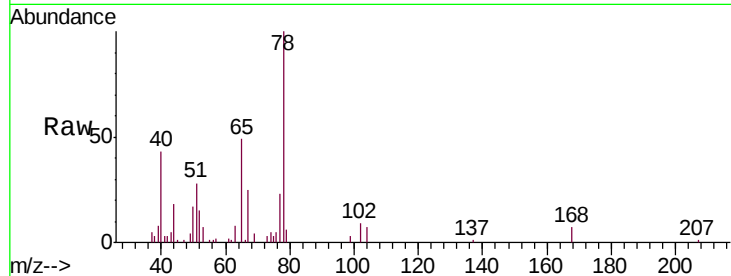




#33
 1,2-Dichloroethane-d4
 Concen: 0.874 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

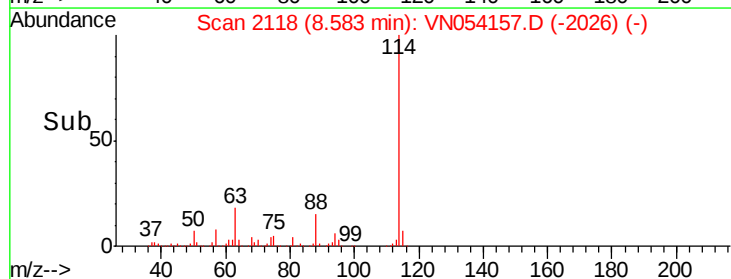
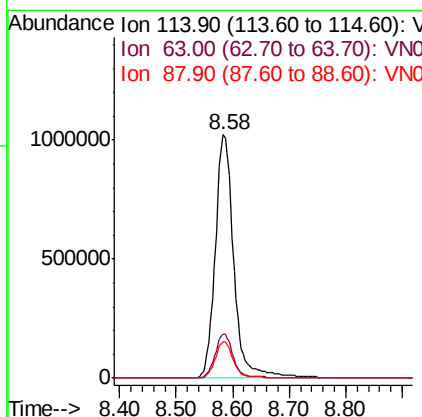
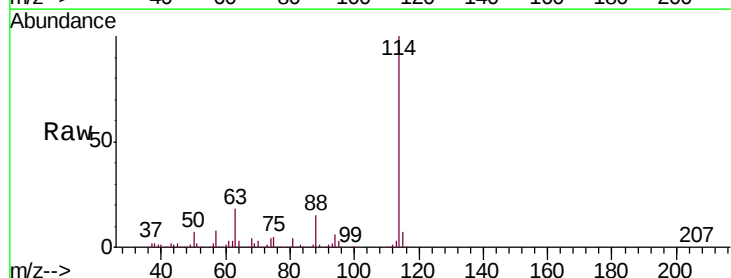
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

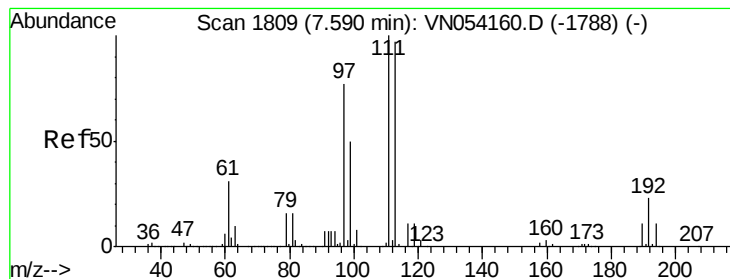
Tgt Ion: 65 Resp: 15097
 Ion Ratio Lower Upper
 65 100
 67 59.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 114 Resp: 2332750
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 0.821 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

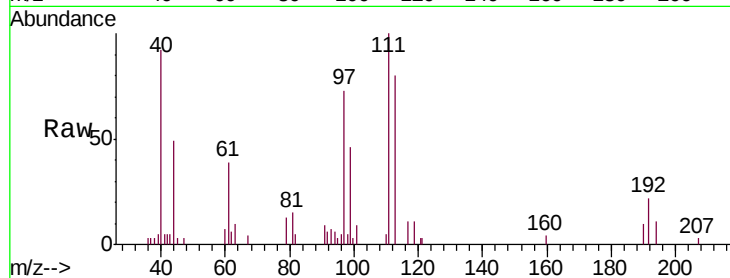
Tgt Ion: 113 Resp: 12353

Ion Ratio Lower Upper

113 100

111 112.2 82.2 123.4

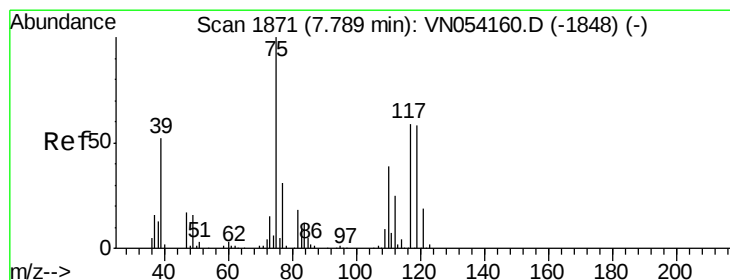
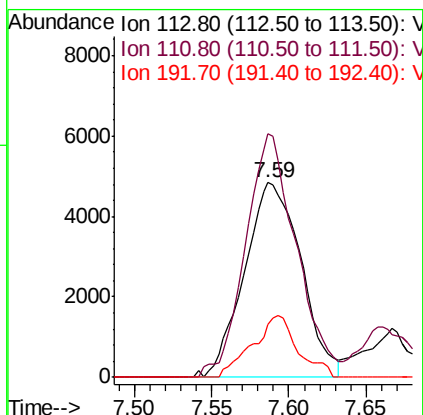
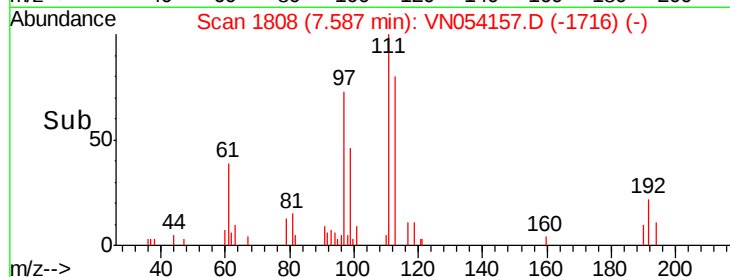
192 25.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.964 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

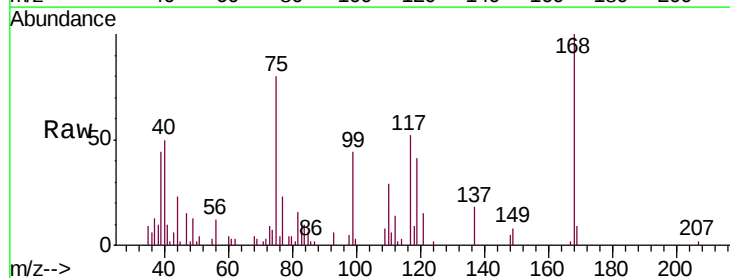
Tgt Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

110 36.7 19.1 57.5

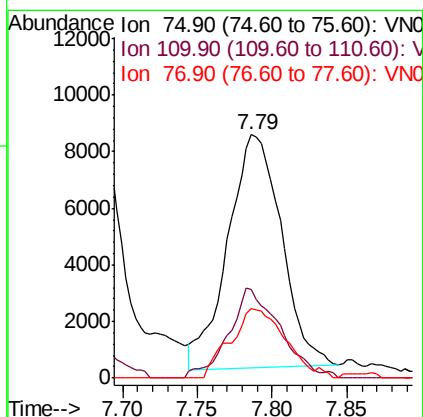
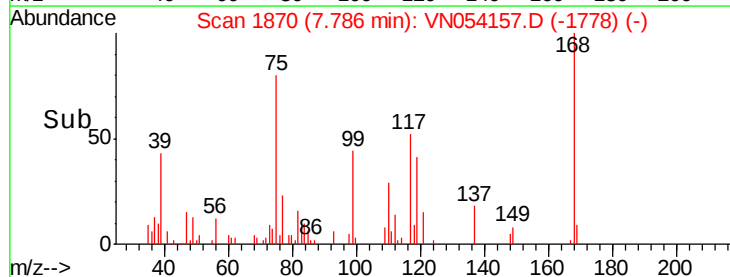
77 30.4 25.0 37.4

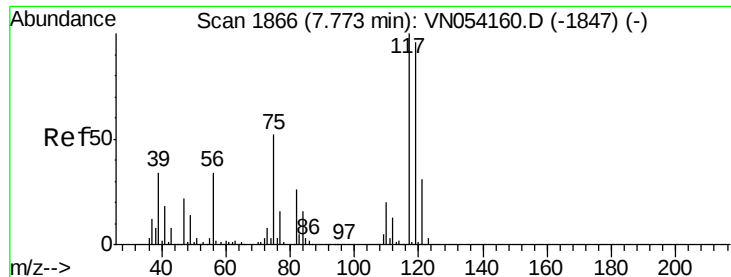


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 0.916 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

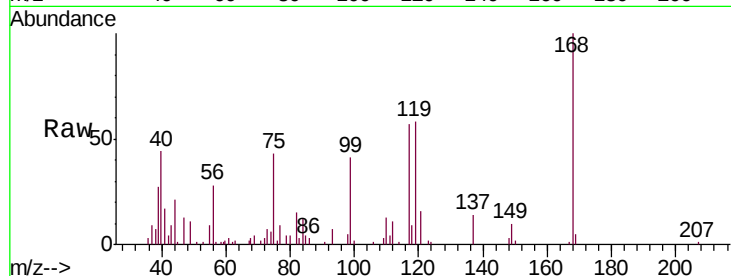
Tgt Ion:117 Resp: 20642

Ion Ratio Lower Upper

117 100

119 109.8 76.3 114.5

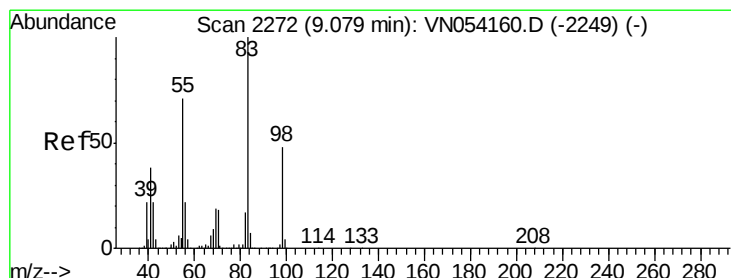
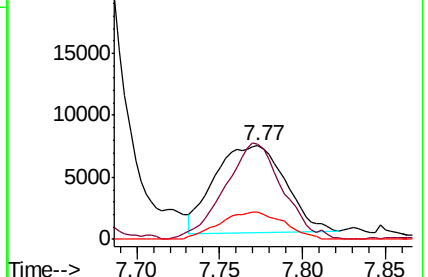
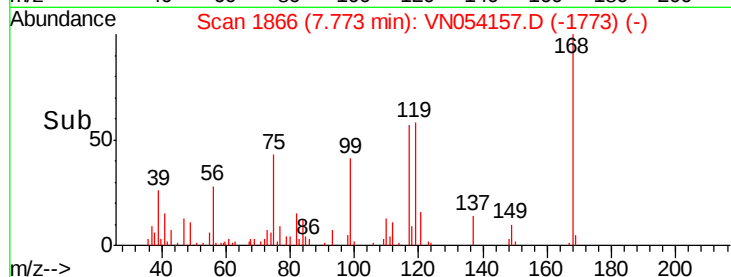
121 31.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.934 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

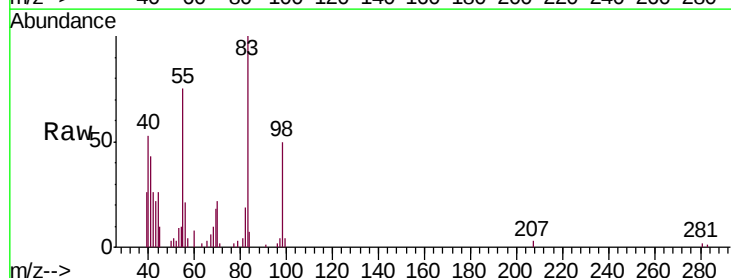
Tgt Ion: 83 Resp: 24692

Ion Ratio Lower Upper

83 100

55 74.7 56.6 84.8

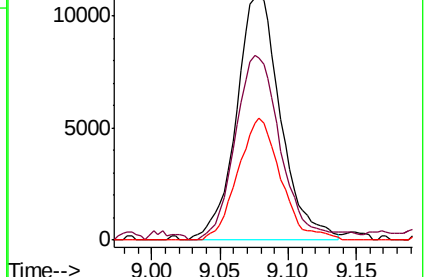
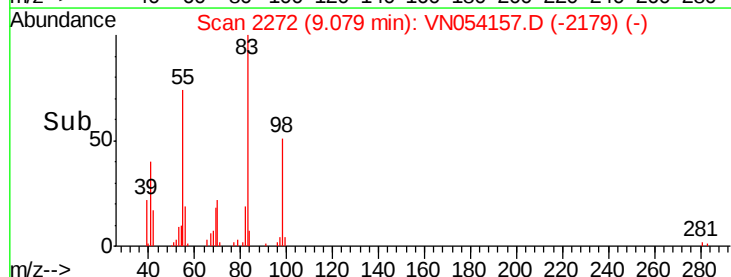
98 50.1 38.4 57.6

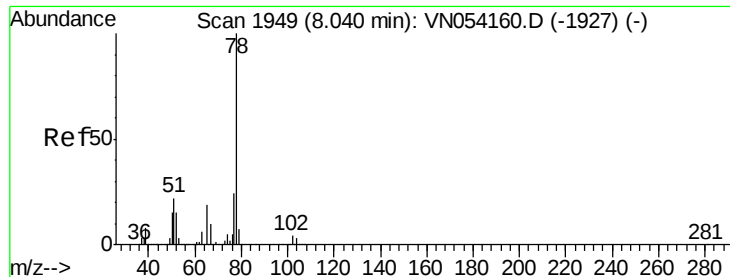


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.894 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

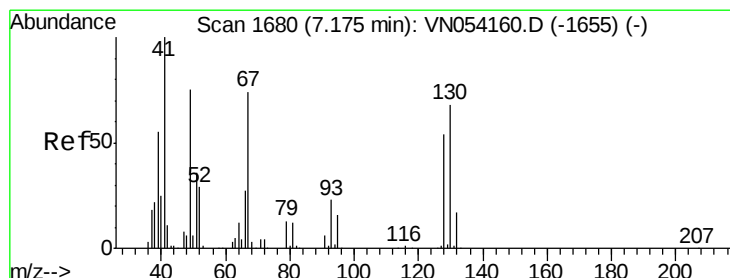
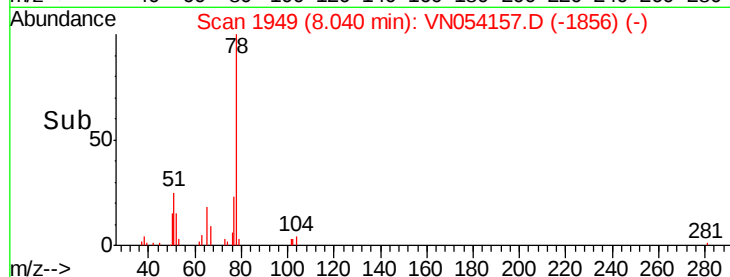
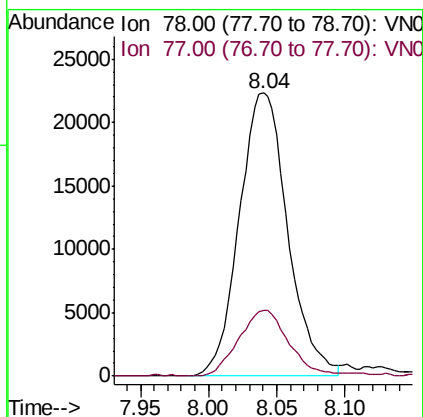
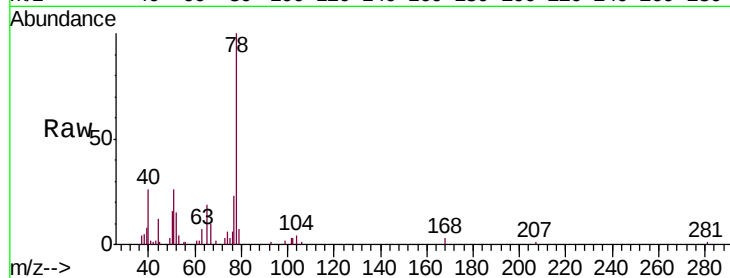
VSTDIC001

Tgt Ion: 78 Resp: 54940

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7



#41

Methacrylonitrile

Concen: 0.550 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion: 41 Resp: 3728

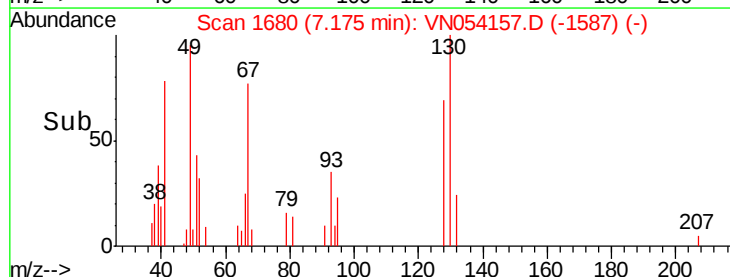
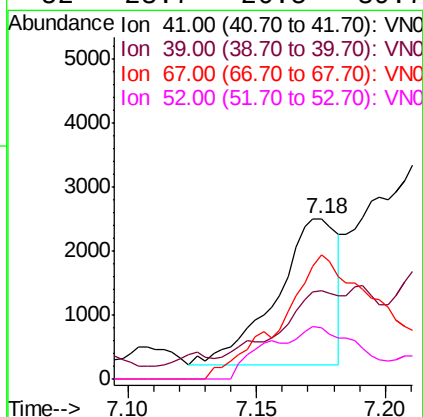
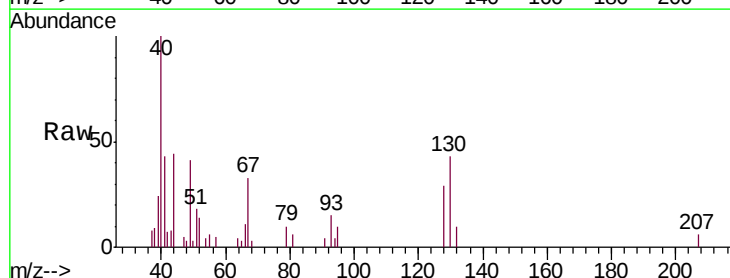
Ion Ratio Lower Upper

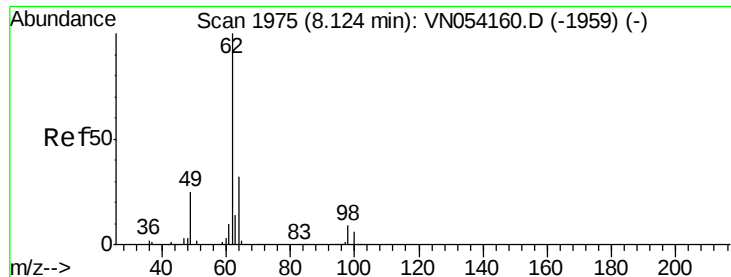
41 100

39 47.5 46.8 70.2

67 148.1 67.0 100.4#

52 23.7 26.5 39.7#





#42

1,2-Dichloroethane

Concen: 0.915 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

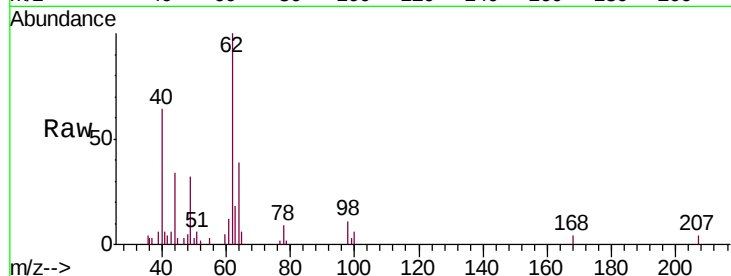
VSTDIC001

Tgt Ion: 62 Resp: 18992

Ion Ratio Lower Upper

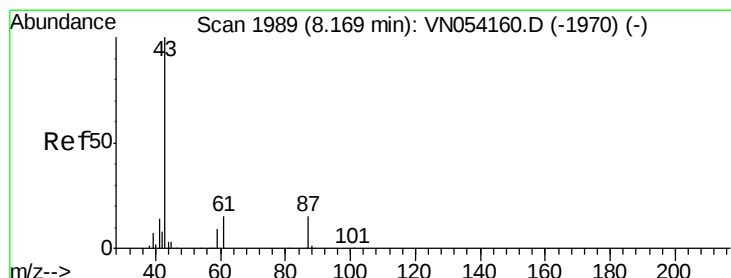
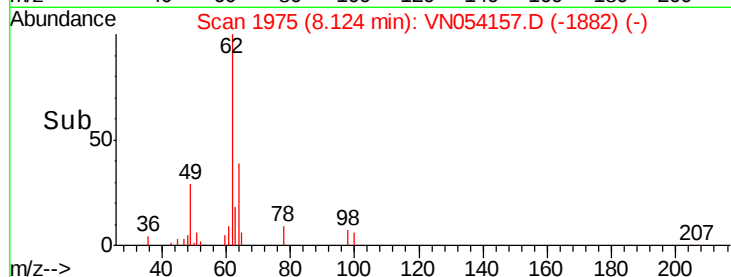
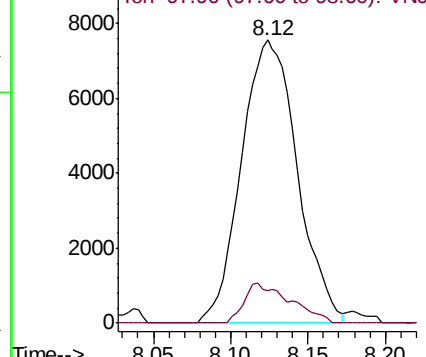
62 100

98 11.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#43

Isopropyl Acetate

Concen: 0.826 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

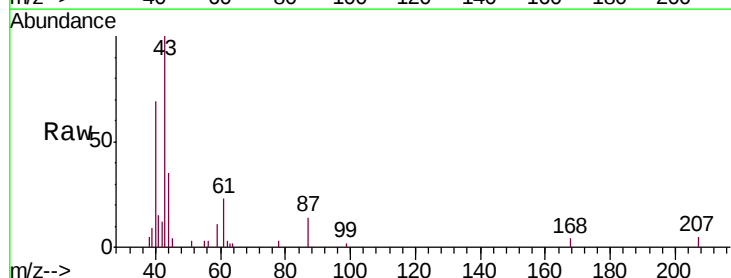
Tgt Ion: 43 Resp: 17906

Ion Ratio Lower Upper

43 100

61 22.1 15.8 23.8

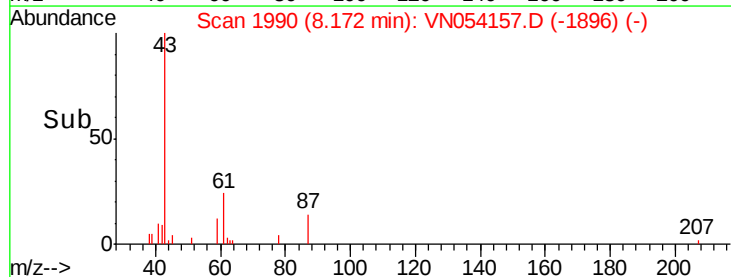
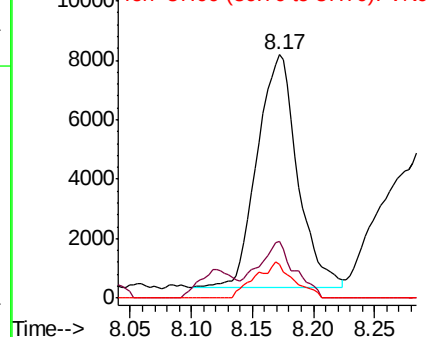
87 14.6 12.0 18.0

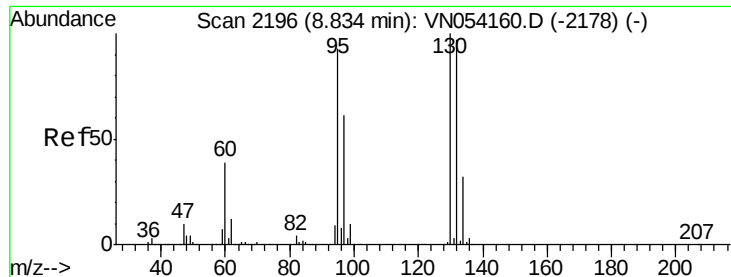


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 0.925 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

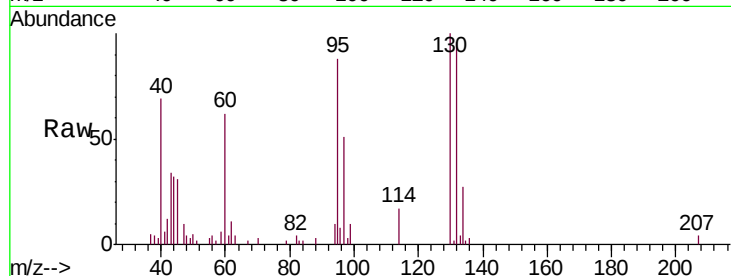
VSTDIC001

Tgt Ion:130 Resp: 17667

Ion Ratio Lower Upper

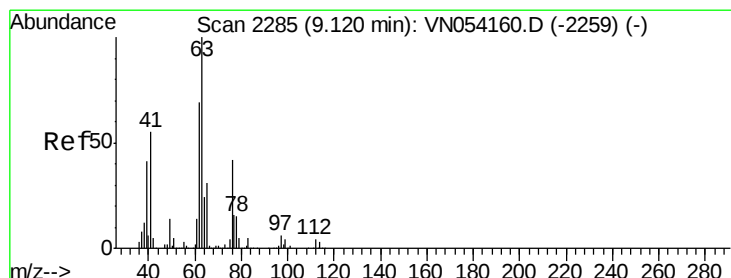
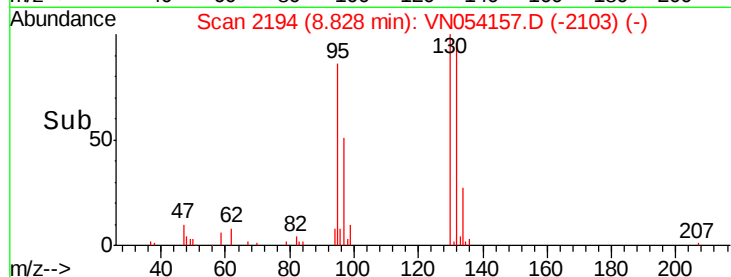
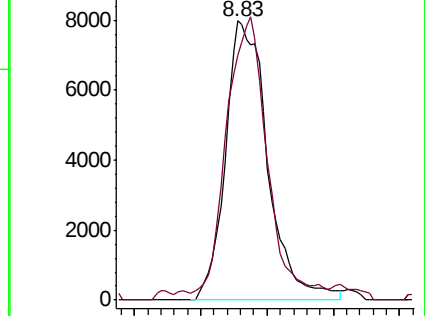
130 100

95 85.2 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: 0.870 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054157.D

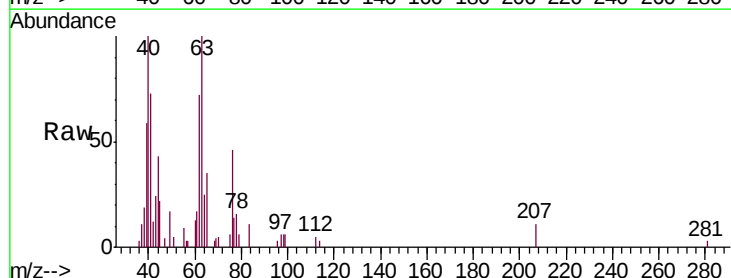
Acq: 12 Mar 2019 10:02

Tgt Ion: 63 Resp: 13285

Ion Ratio Lower Upper

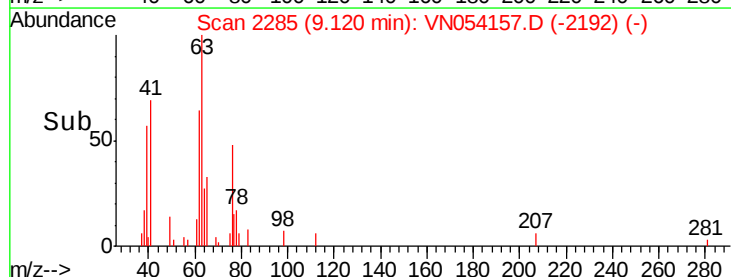
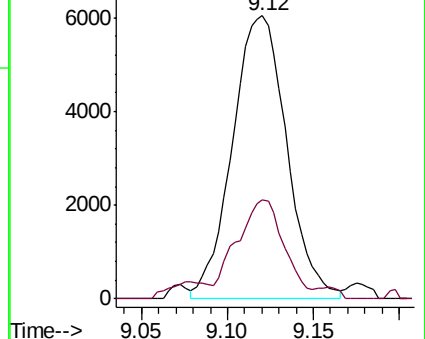
63 100

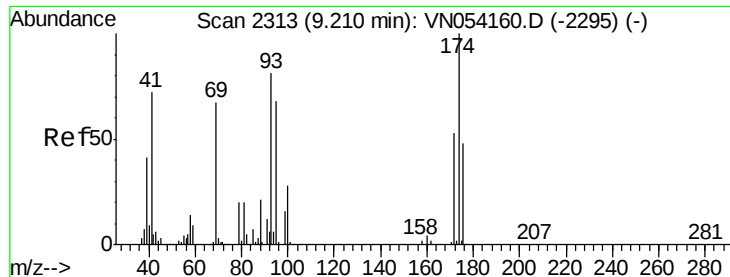
65 33.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#46

Dibromomethane

Concen: 0.949 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

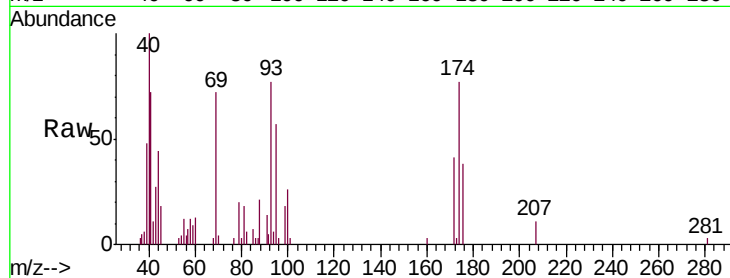
Tgt Ion: 93 Resp: 9791

Ion Ratio Lower Upper

93 100

95 80.2 66.7 100.1

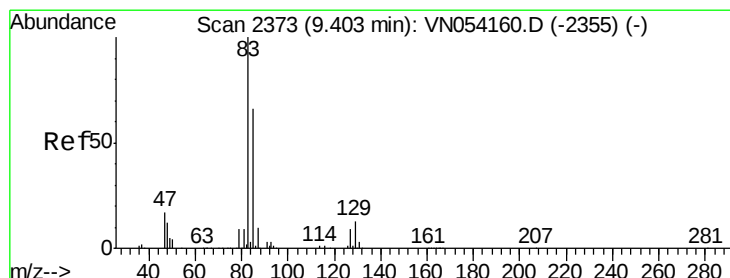
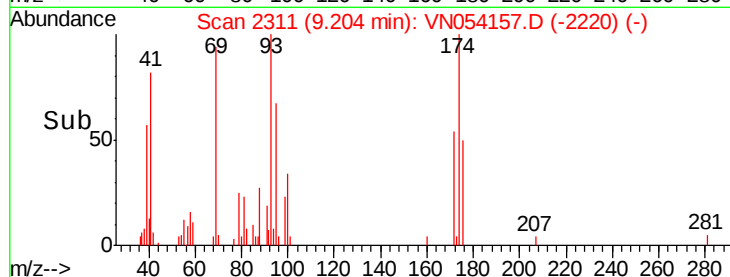
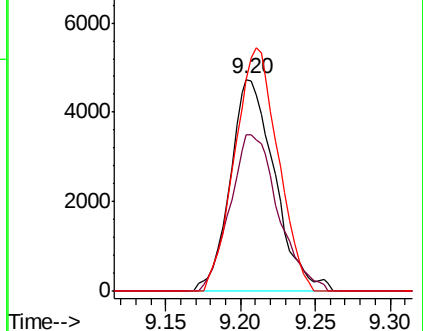
174 112.2 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO



#47

Bromodichloromethane

Concen: 0.848 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

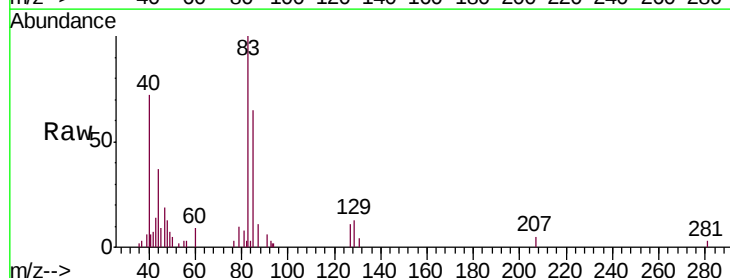
Tgt Ion: 83 Resp: 17526

Ion Ratio Lower Upper

83 100

85 64.8 52.8 79.2

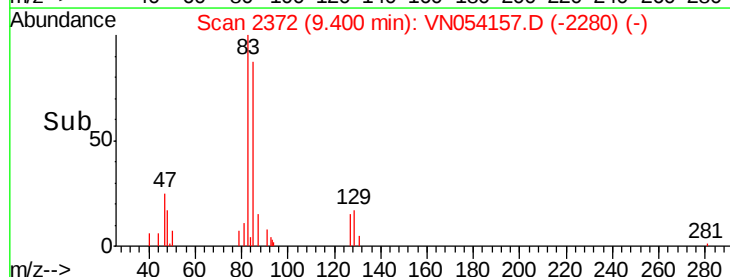
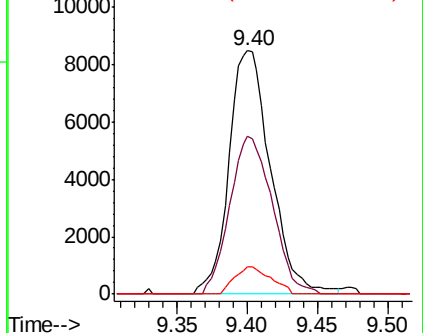
127 11.3 7.4 11.2#

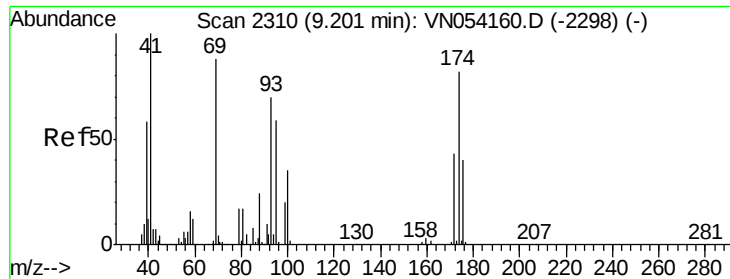


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO

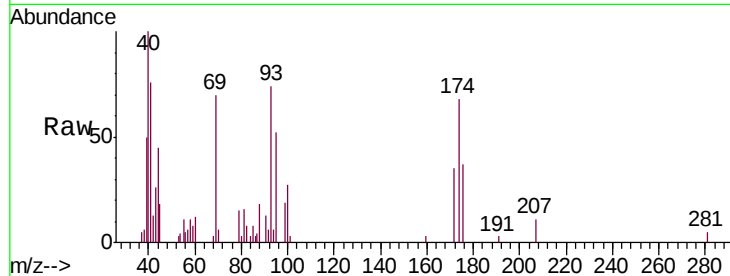




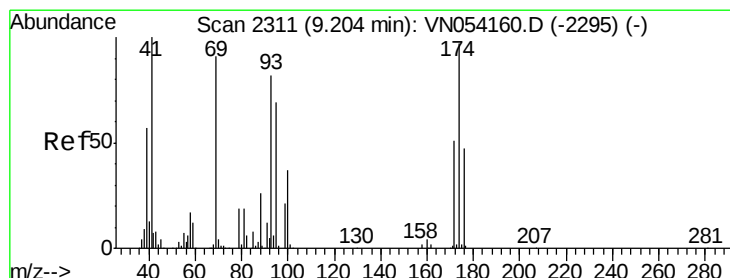
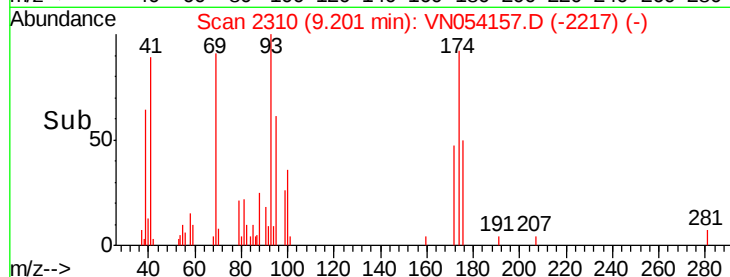
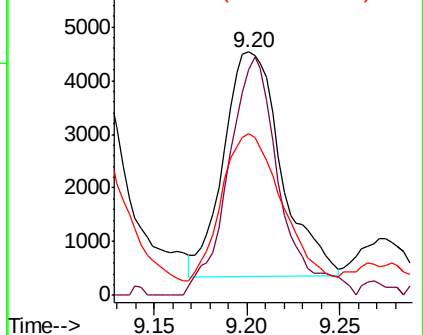
#48
Methyl methacrylate
Concen: 0.819 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 9001
Ion Ratio Lower Upper
41 100
69 94.5 72.6 108.8
39 68.3 47.5 71.3

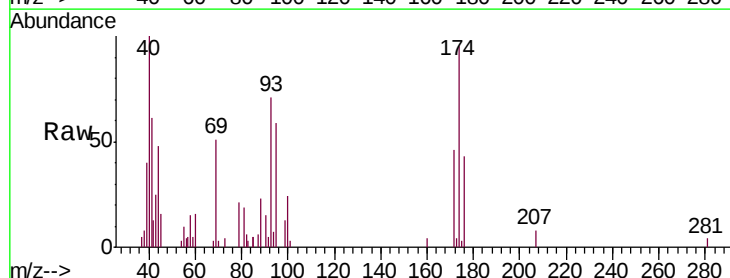


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

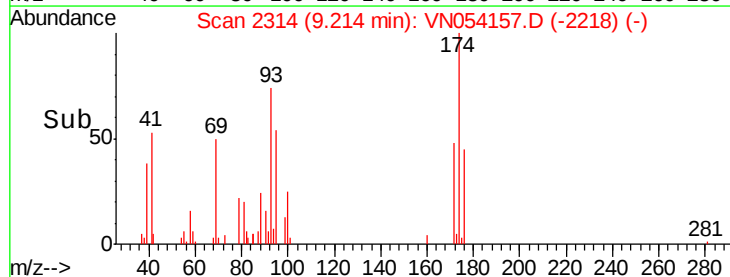
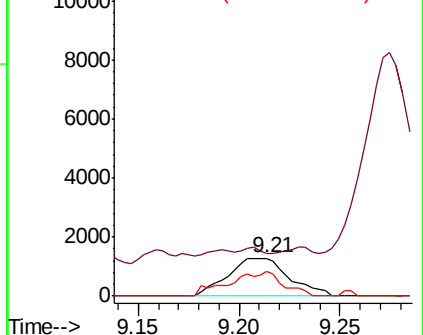


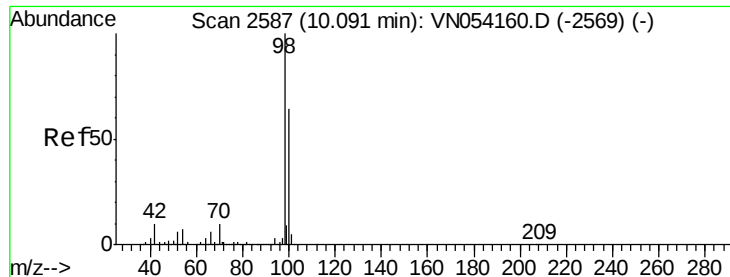
#49
1,4-Dioxane
Concen: 17.424 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 88 Resp: 2710
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 56.8 50.8 76.2



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





#50

Toluene-d8

Concen: 0.866 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

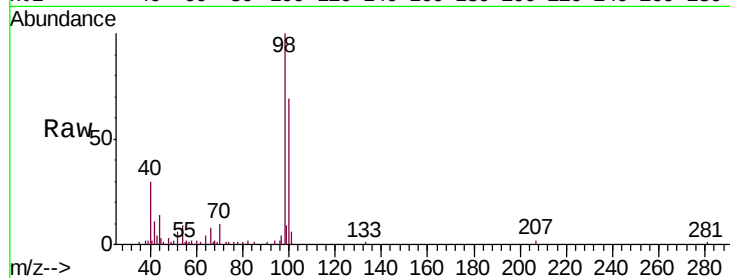
VSTDIC001

Tgt Ion: 98 Resp: 48108

Ion Ratio Lower Upper

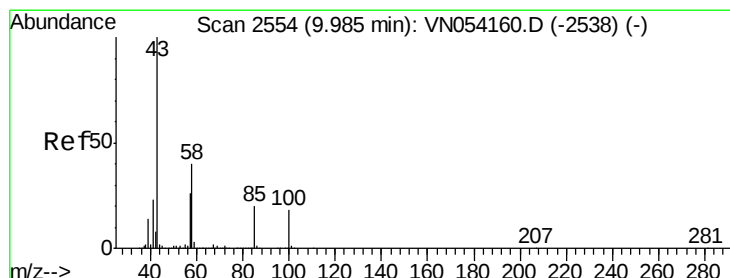
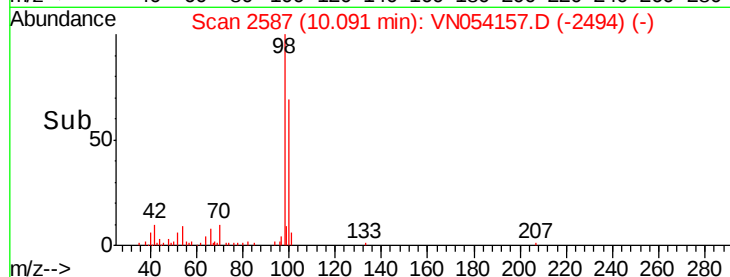
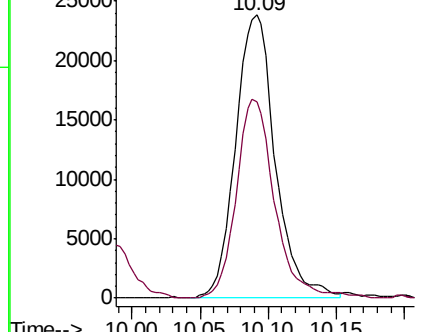
98 100

100 68.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.094 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054157.D

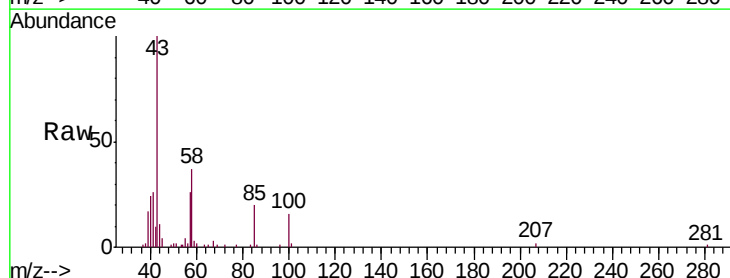
Acq: 12 Mar 2019 10:02

Tgt Ion: 43 Resp: 46937

Ion Ratio Lower Upper

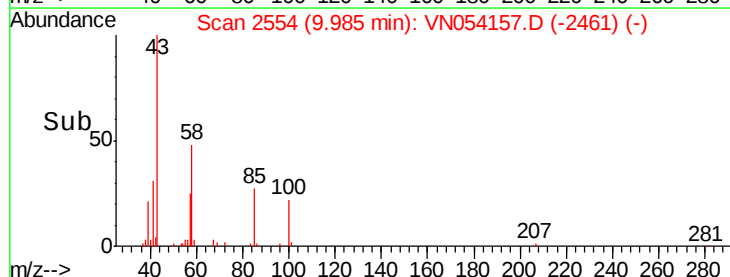
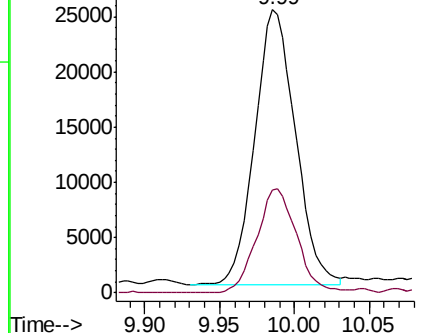
43 100

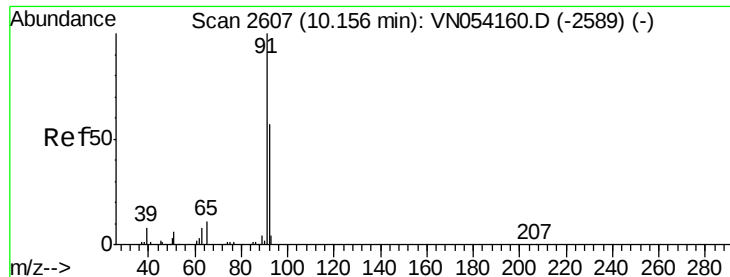
58 37.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)





#52

Toluene

Concen: 0.905 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

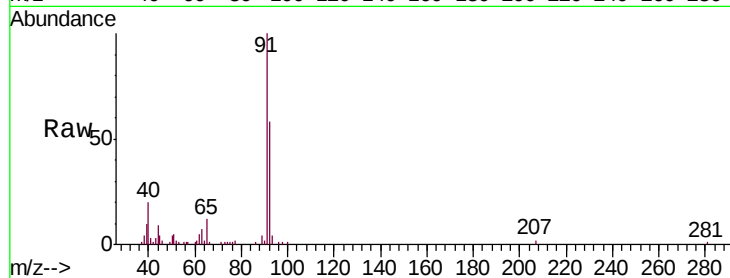
VSTDIC001

Tgt Ion: 92 Resp: 35270

Ion Ratio Lower Upper

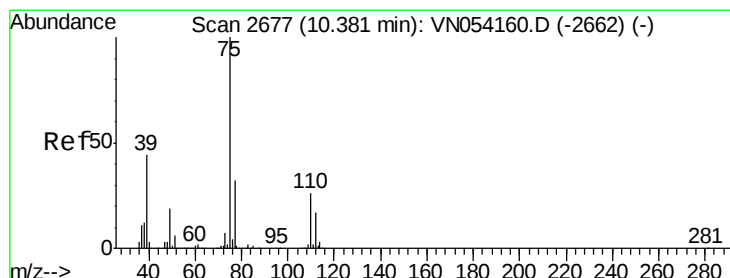
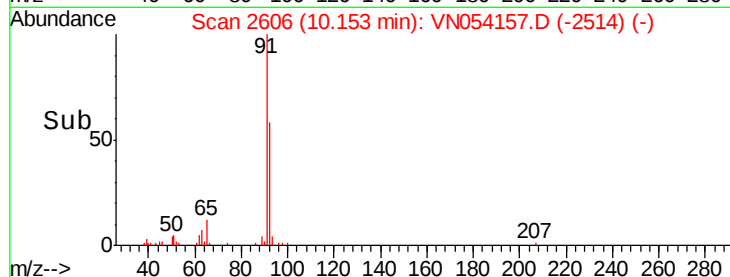
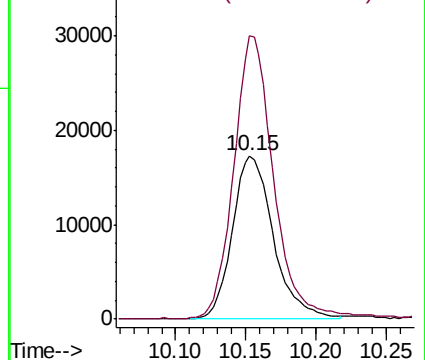
92 100

91 169.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.633 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054157.D

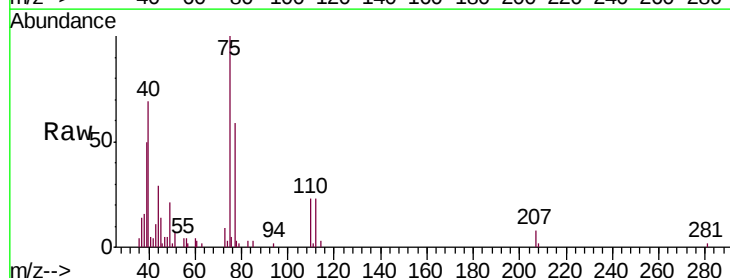
Acq: 12 Mar 2019 10:02

Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

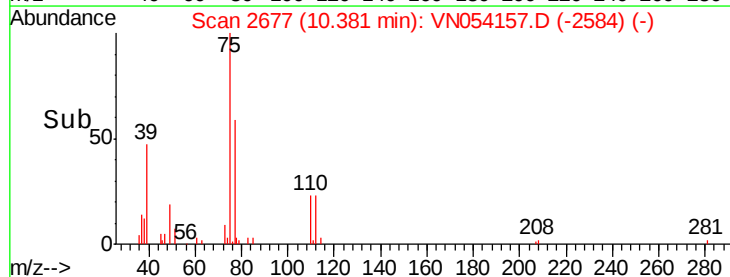
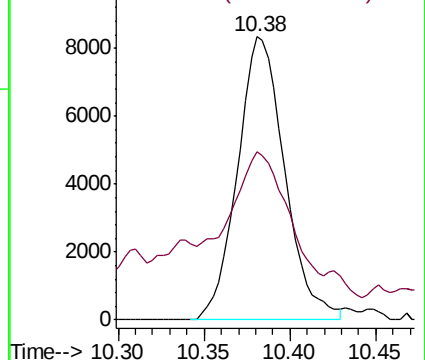
75 100

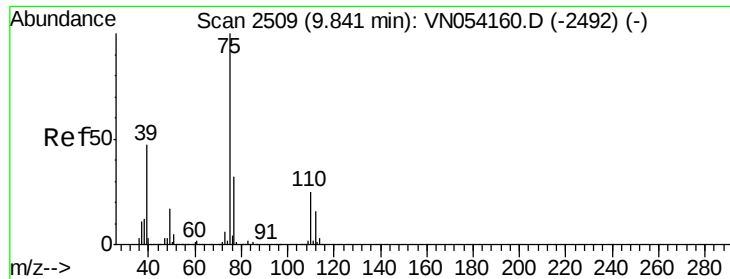
77 43.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



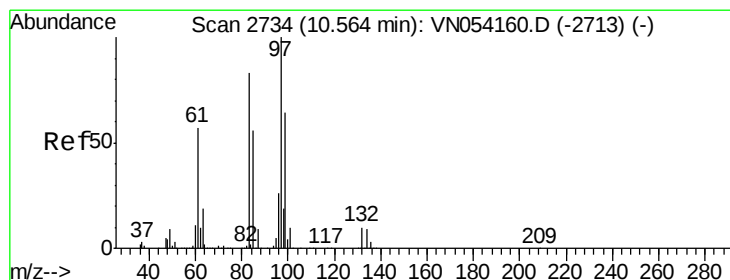
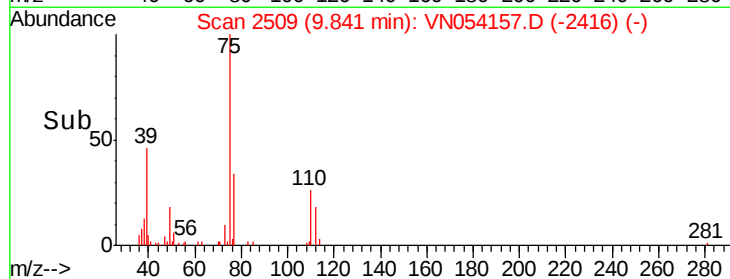
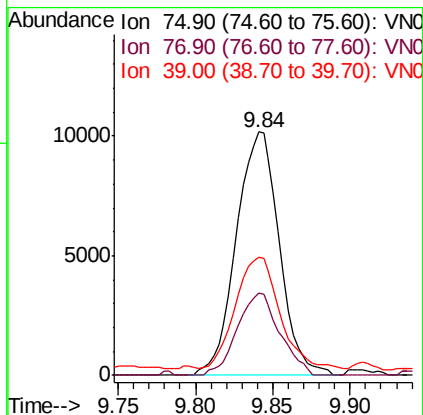
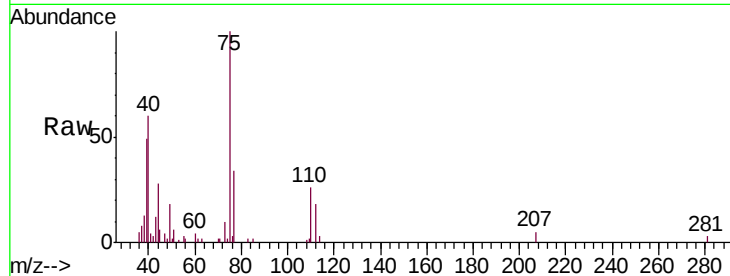


#54

cis-1,3-Dichloropropene
 Concen: 0.815 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

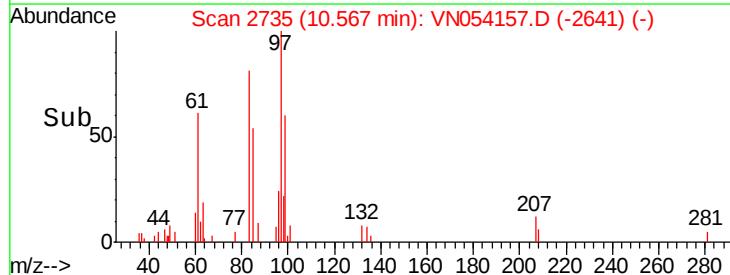
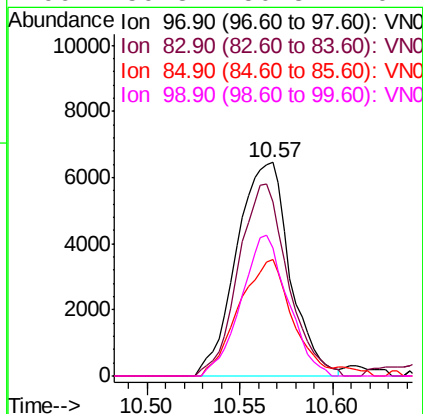
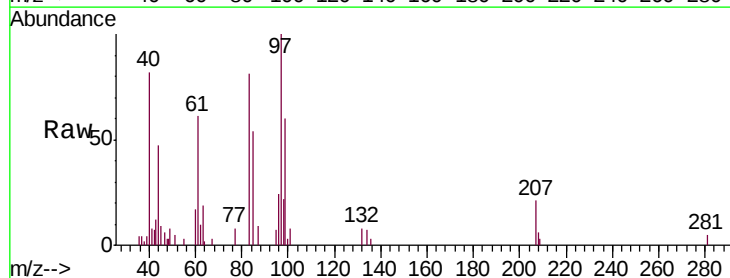
Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.4	38.0
39	45.6	37.2	55.8

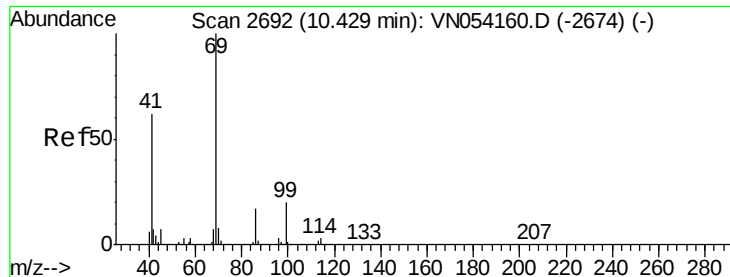


#55

1,1,2-Trichloroethane
 Concen: 0.911 ug/l
 RT: 10.57 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.6	100.0
85	54.3	44.4	66.6
99	59.8	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.801 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

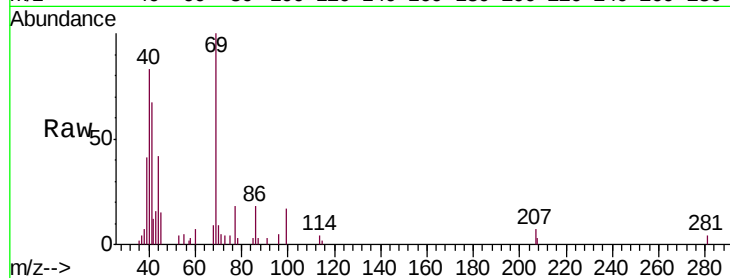
Tgt Ion: 69 Resp: 13599

Ion Ratio Lower Upper

69 100

41 61.6 49.4 74.2

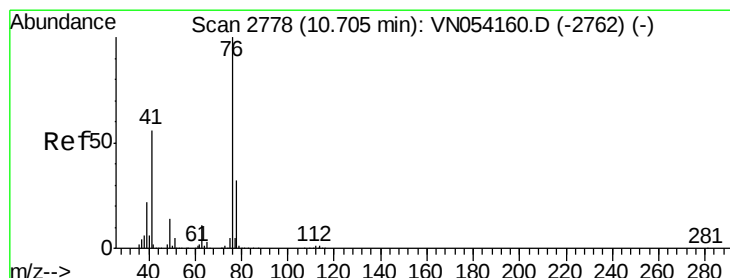
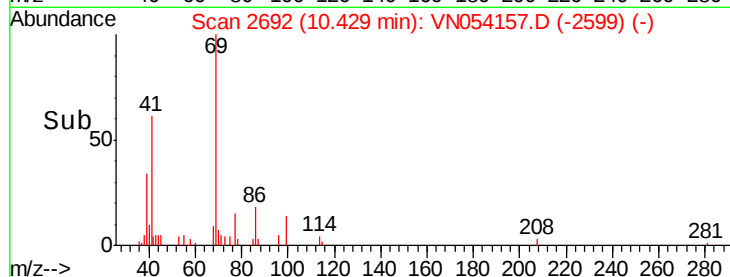
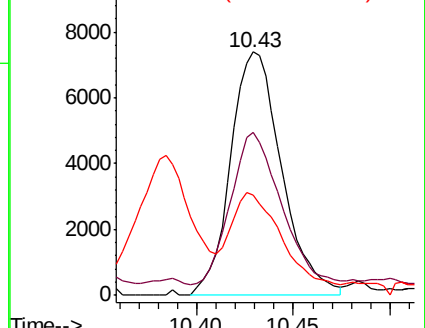
39 37.5 28.3 42.5



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: 0.877 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054157.D

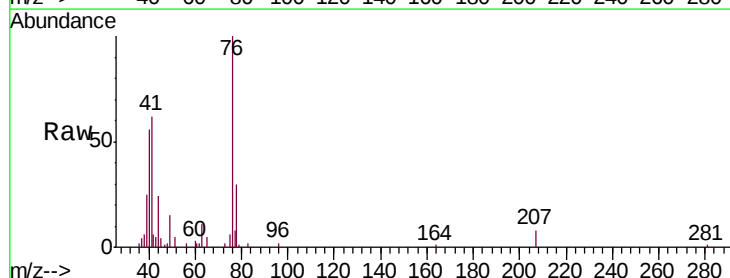
Acq: 12 Mar 2019 10:02

Tgt Ion: 76 Resp: 20414

Ion Ratio Lower Upper

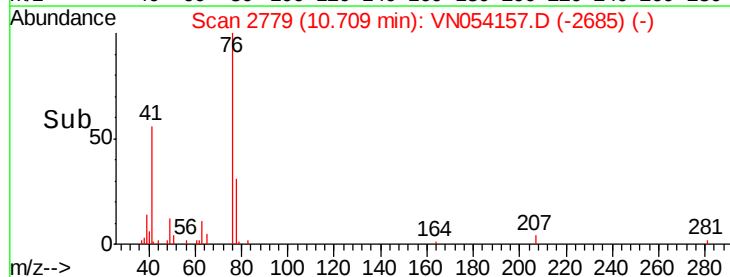
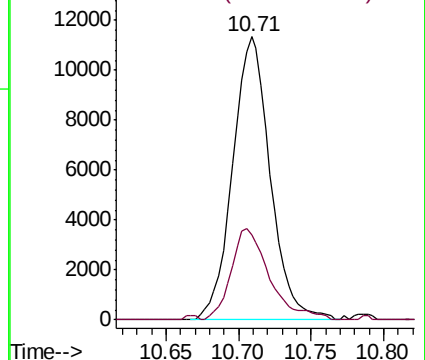
76 100

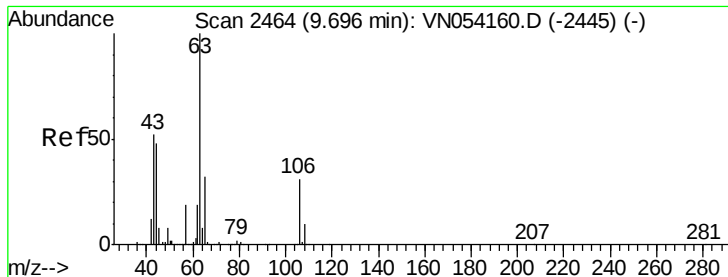
78 32.9 25.7 38.5



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: 19.892 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

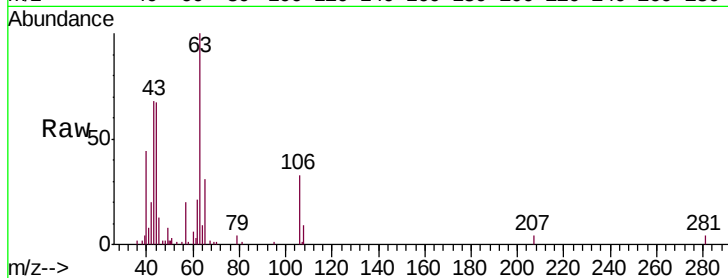
VSTDIC001

Tgt Ion: 63 Resp: 24184

Ion Ratio Lower Upper

63 100

106 33.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)

15000

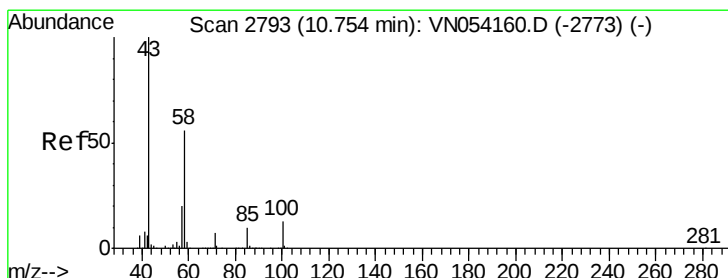
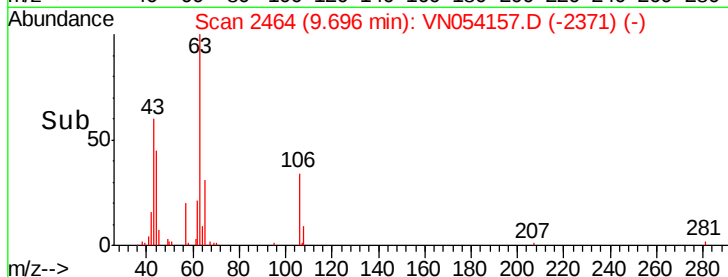
10000

5000

0

9.65 9.70 9.75

Time-->



#59

2-Hexanone

Concen: 4.089 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054157.D

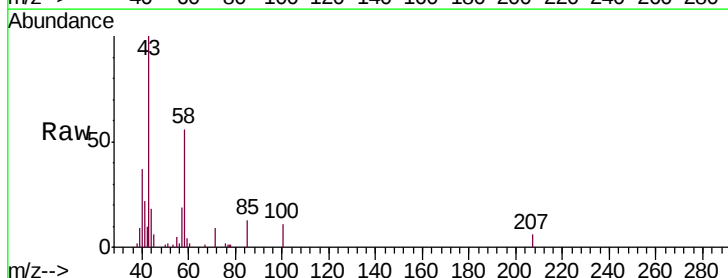
Acq: 12 Mar 2019 10:02

Tgt Ion: 43 Resp: 31195

Ion Ratio Lower Upper

43 100

58 57.5 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2773) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2773) (-)

15000

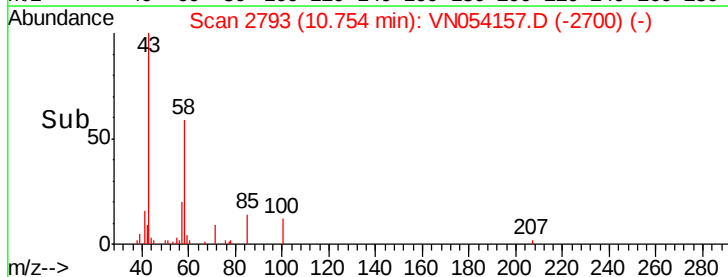
10000

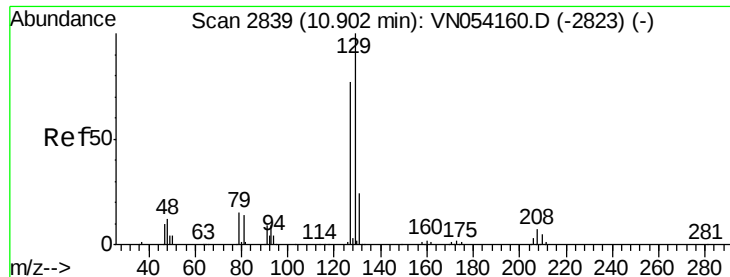
5000

0

10.70 10.75 10.80 10.85

Time-->





#60

Dibromochloromethane

Concen: 0.783 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

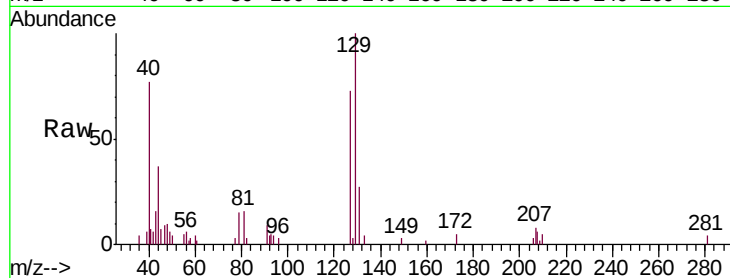
VSTDIC001

Tgt Ion:129 Resp: 12547

Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

8000

6000

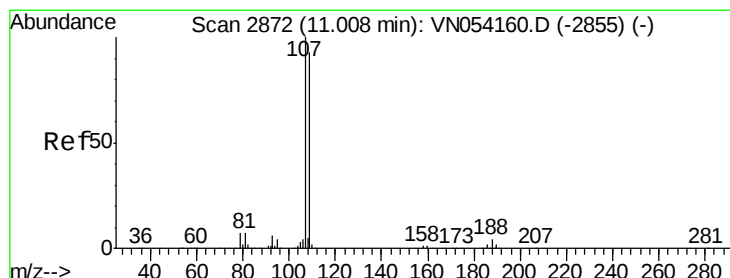
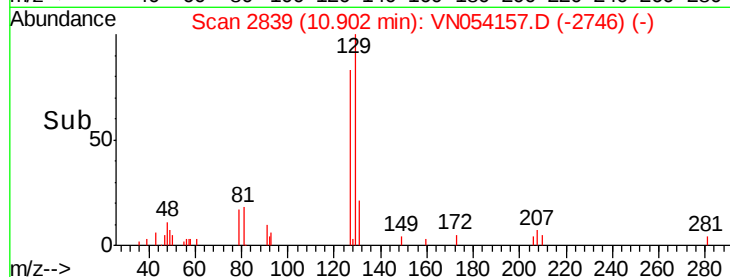
4000

2000

0

10.85 10.90 10.95

Time-->



#61

1,2-Dibromoethane

Concen: 0.838 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054157.D

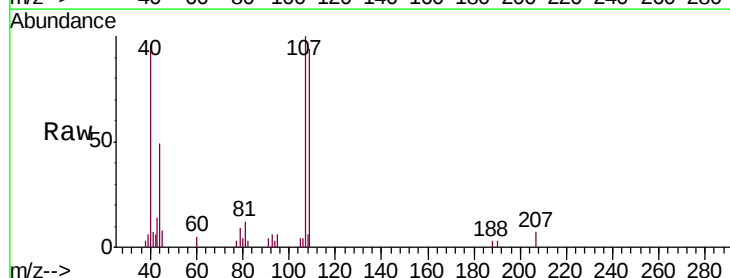
Acq: 12 Mar 2019 10:02

Tgt Ion:107 Resp: 12124

Ion Ratio Lower Upper

107 100

109 95.3 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

6000

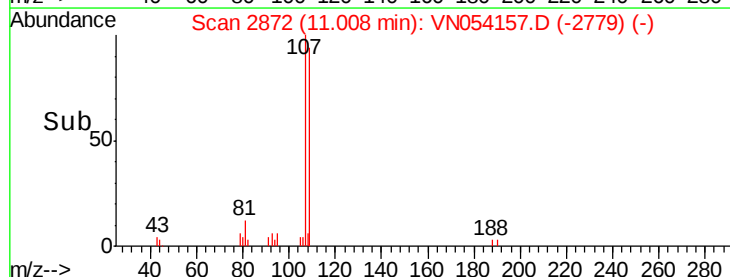
4000

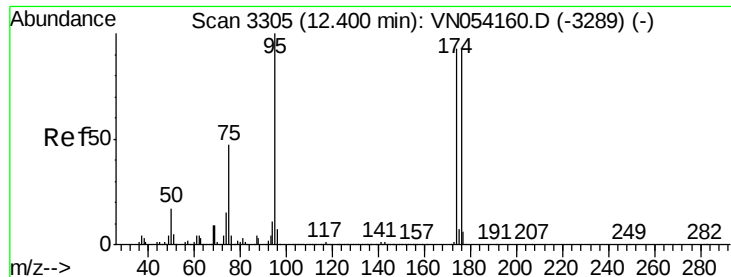
2000

0

10.95 11.00 11.05

Time-->





#62

4-Bromofluorobenzene

Concen: 0.916 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDICC001

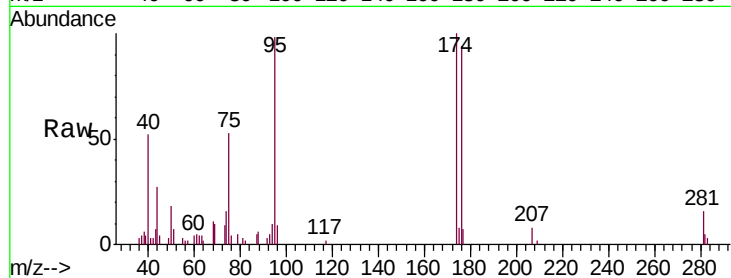
Tgt Ion: 95 Resp: 17802

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.0

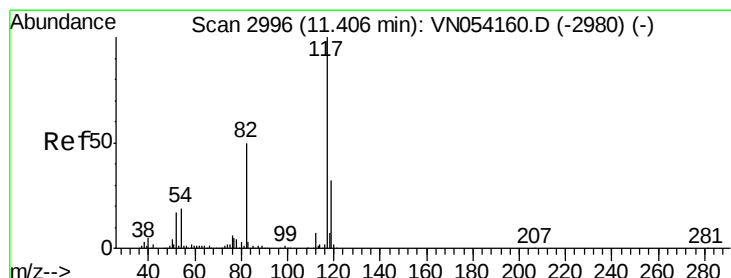
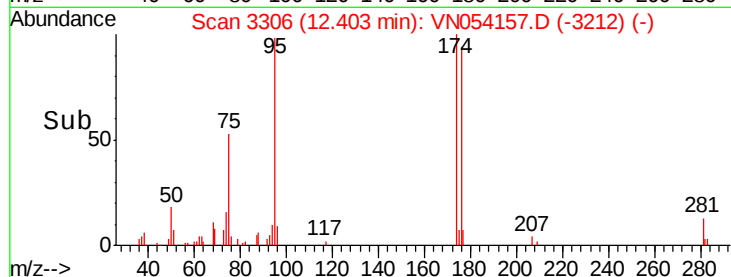
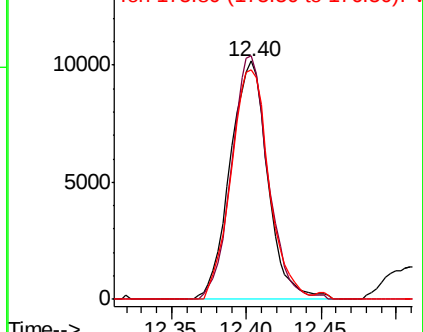
176 97.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

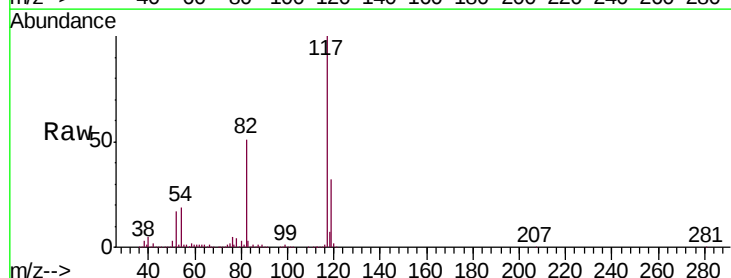
Tgt Ion: 117 Resp: 1993432

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

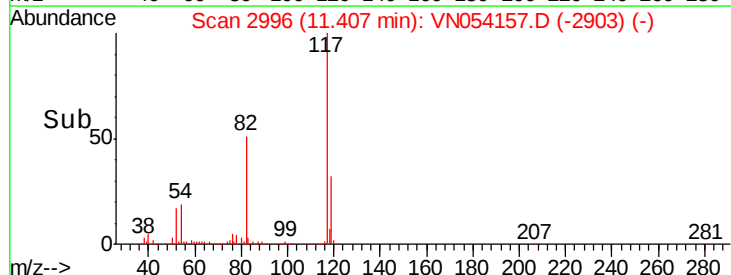
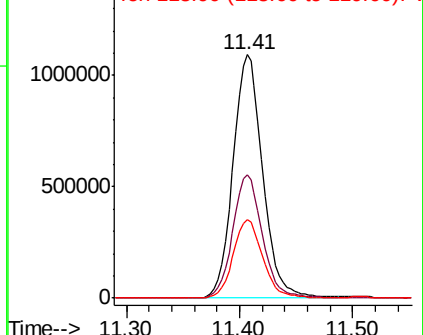
119 32.2 25.8 38.6

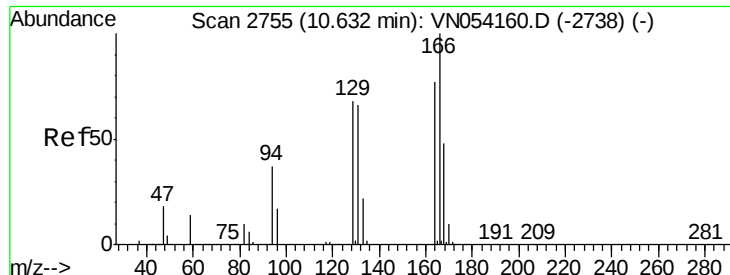


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)





#64

Tetrachloroethene

Concen: 1.013 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 19523

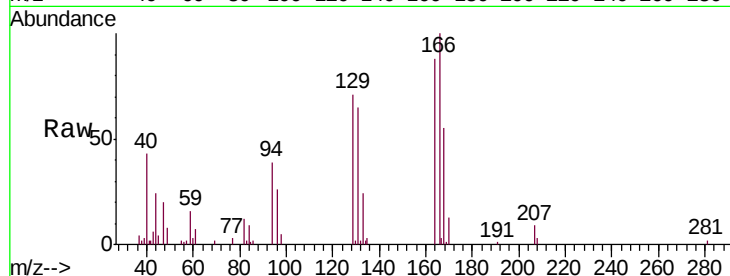
Ion Ratio Lower Upper

164 100

166 113.5 103.9 155.9

129 81.1 71.1 106.7

131 73.7 68.2 102.4

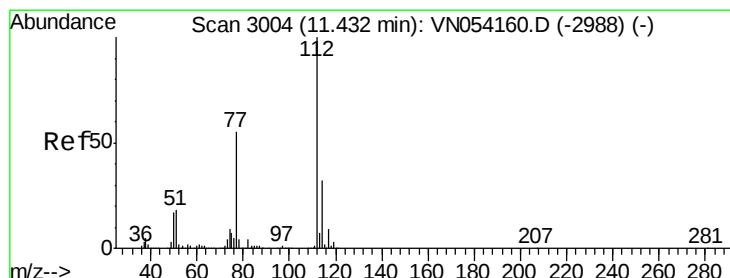
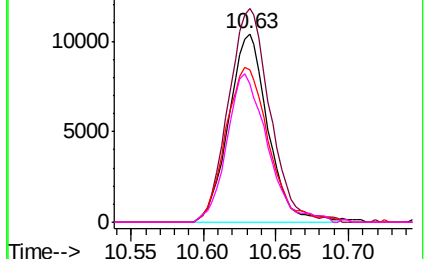
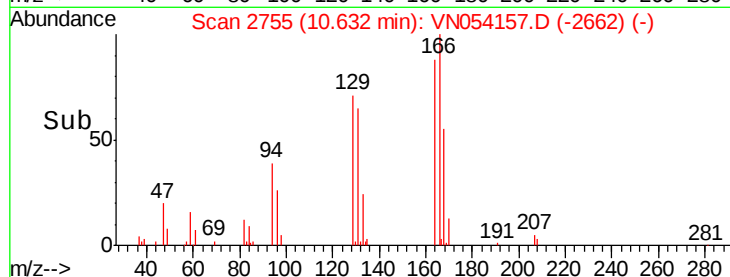


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.933 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054157.D

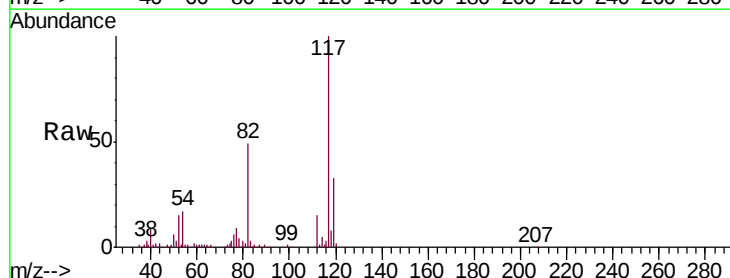
Acq: 12 Mar 2019 10:02

Tgt Ion:112 Resp: 40848

Ion Ratio Lower Upper

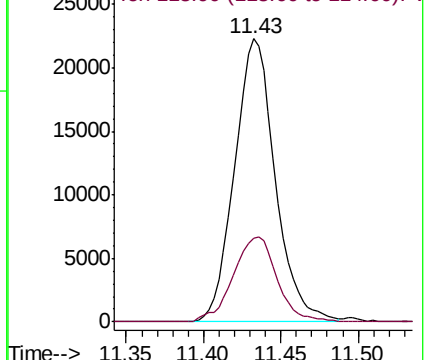
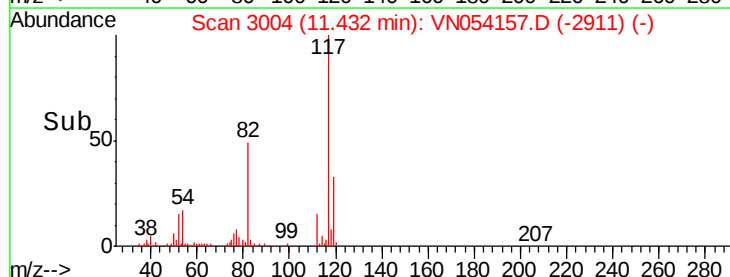
112 100

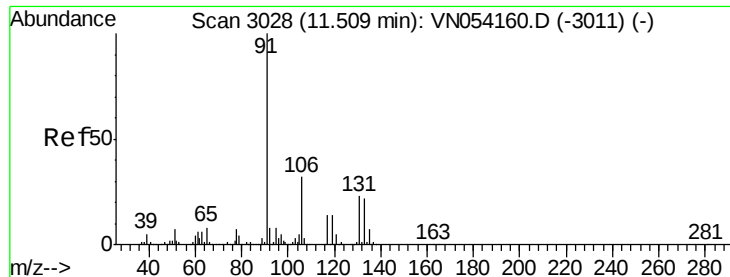
114 29.7 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

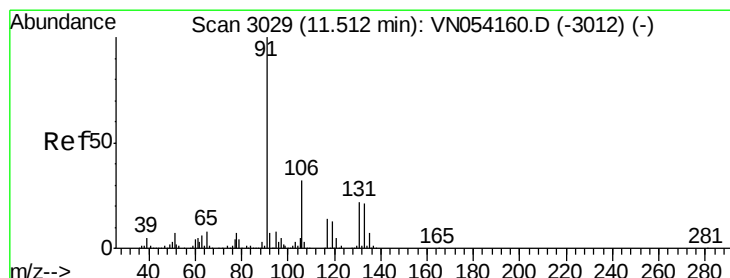
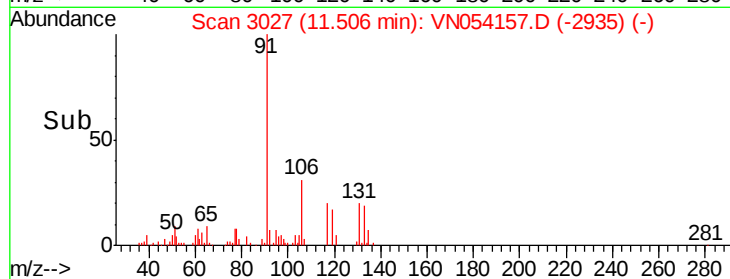
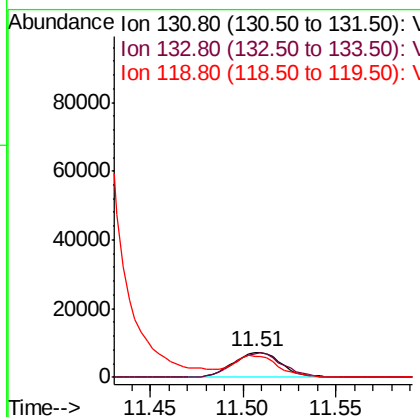
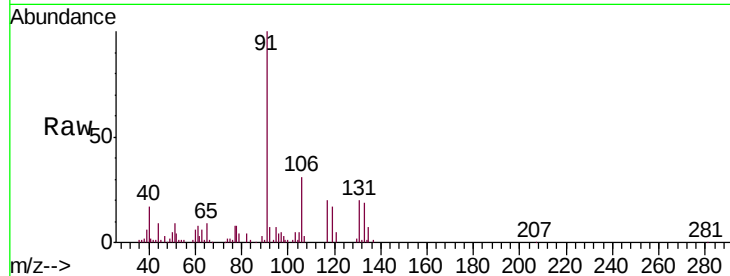




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.828 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

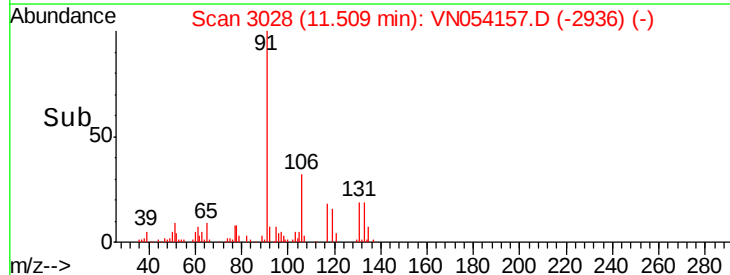
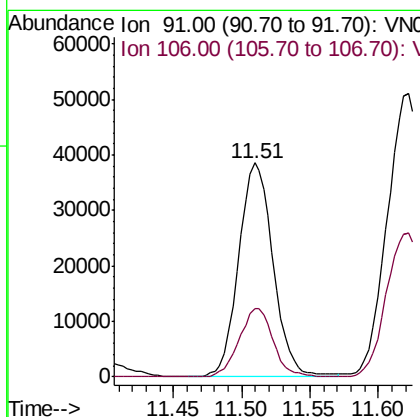
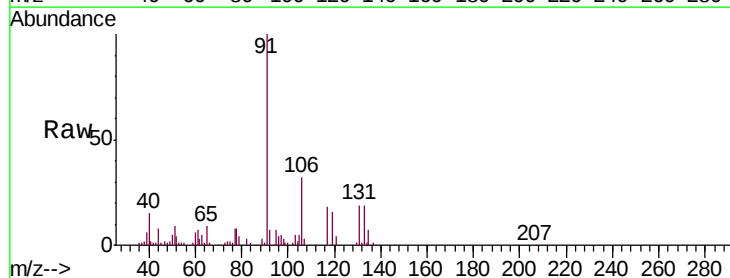
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

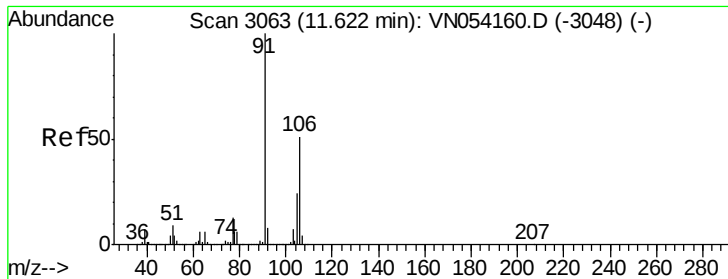
Tgt Ion:131 Resp: 13161
 Ion Ratio Lower Upper
 131 100
 133 99.5 47.6 142.9
 119 0.0 32.4 97.0#



#67
 Ethyl Benzene
 Concen: 0.935 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 91 Resp: 67868
 Ion Ratio Lower Upper
 91 100
 106 32.3 25.5 38.3

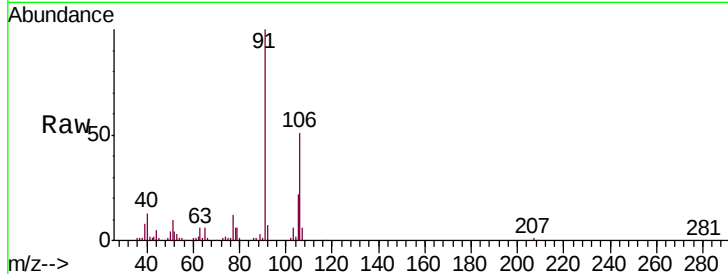




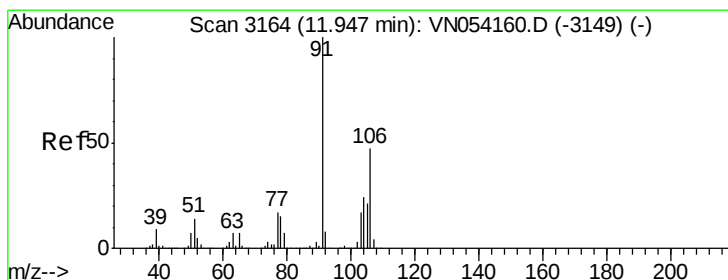
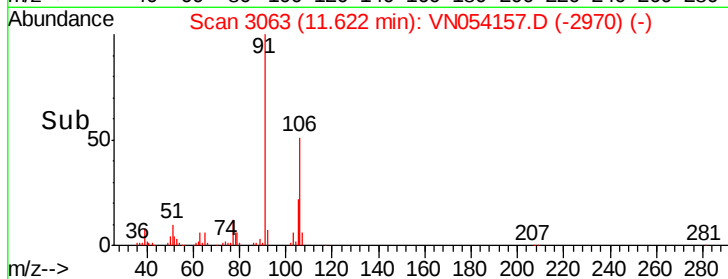
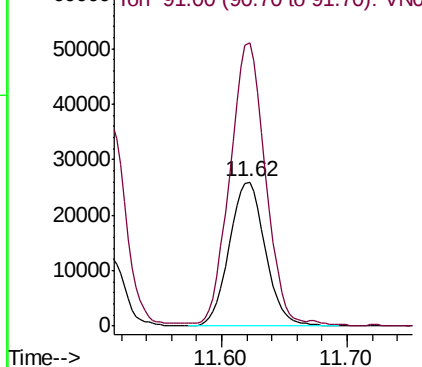
#68
m/p-Xylenes
Concen: 1.831 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 51917
Ion Ratio Lower Upper
106 100
91 194.7 159.4 239.2

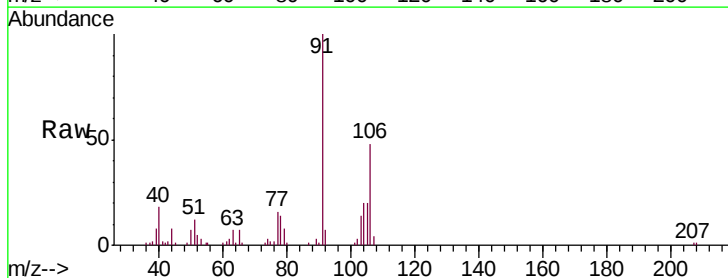


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

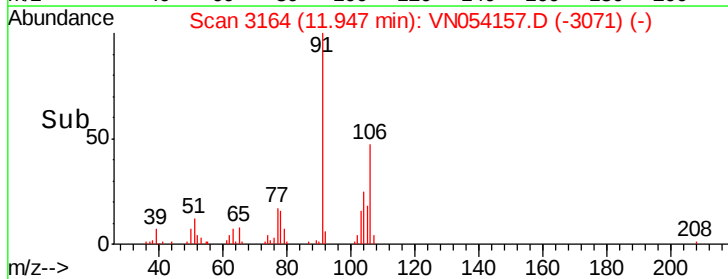
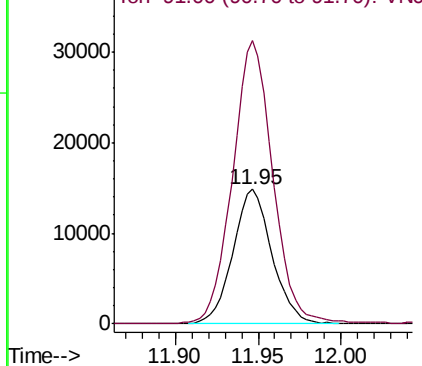


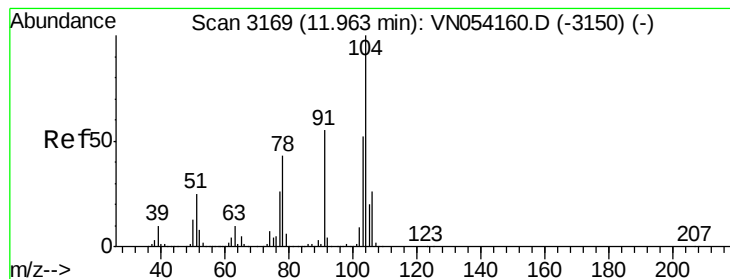
#69
o-Xylene
Concen: 0.877 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion:106 Resp: 24240
Ion Ratio Lower Upper
106 100
91 217.5 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#70

Styrene

Concen: 0.853 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

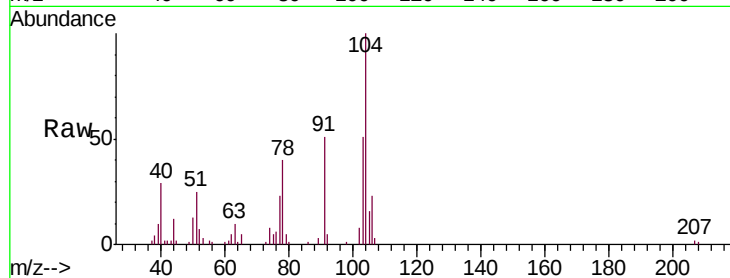
Tgt Ion:104 Resp: 36982

Ion Ratio Lower Upper

104 100

78 49.5 38.2 57.2

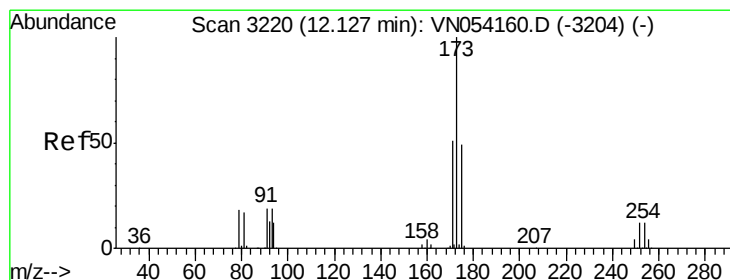
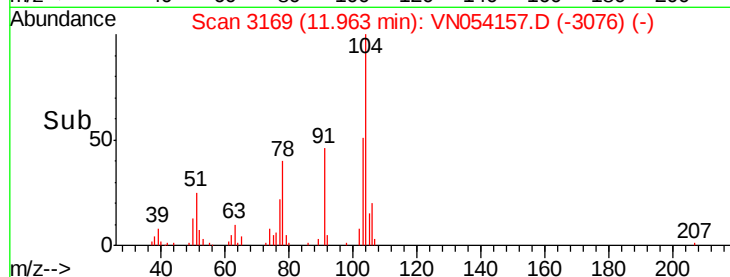
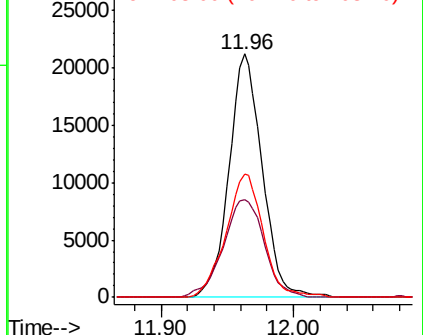
103 56.7 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.921 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

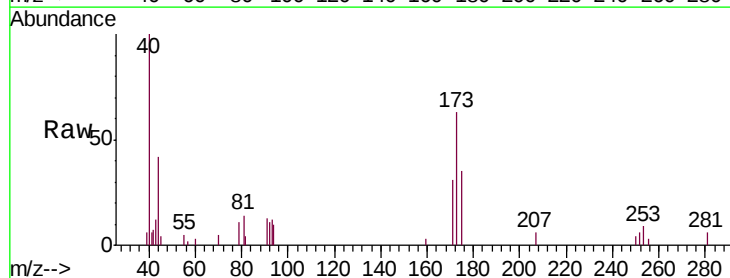
Tgt Ion:173 Resp: 7259

Ion Ratio Lower Upper

173 100

175 54.1 24.4 73.2

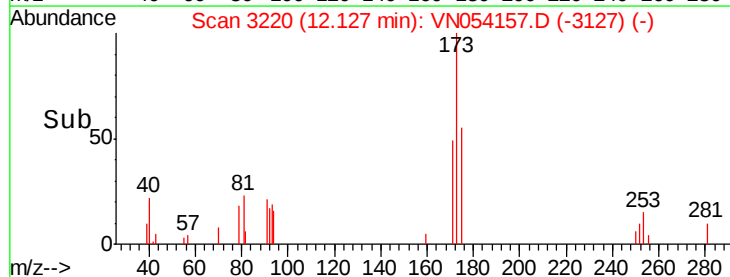
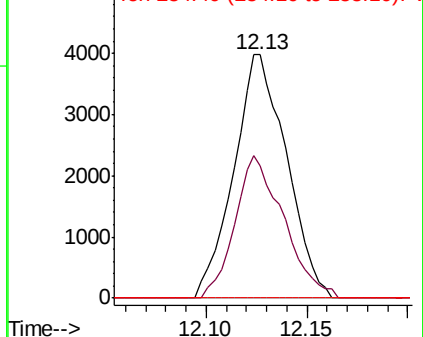
254 0.0 0.1 0.1#

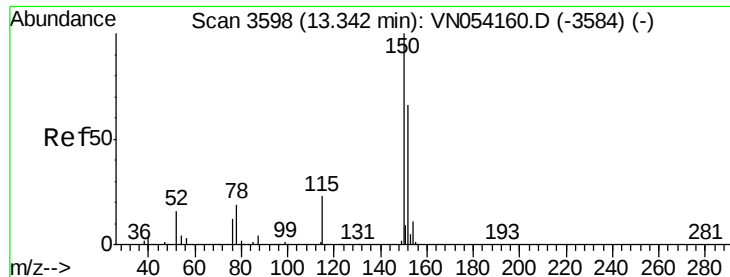


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

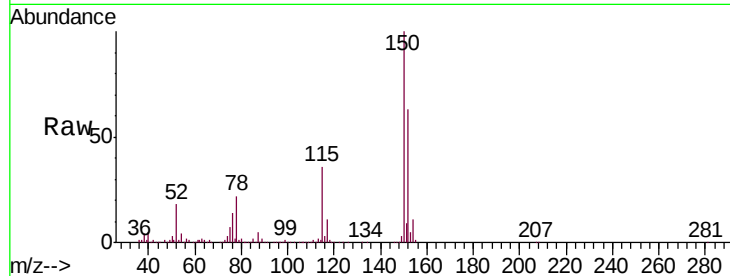




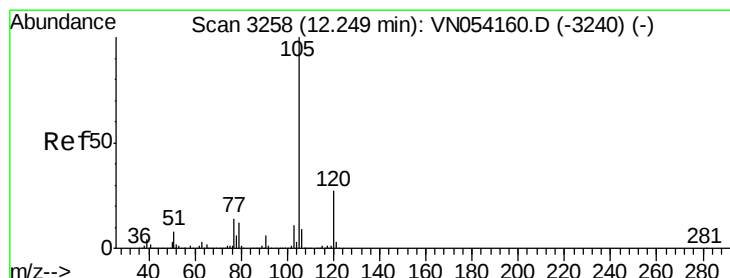
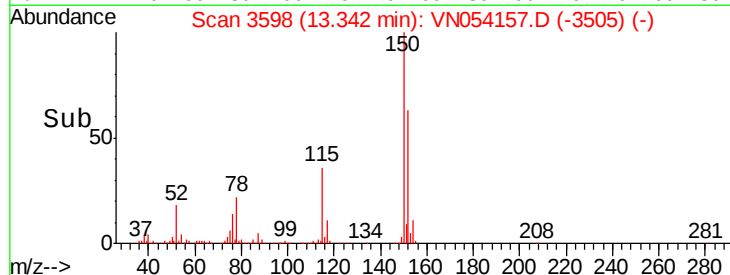
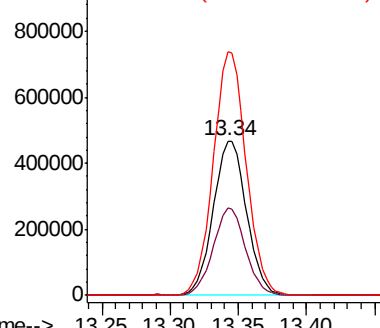
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:152 Resp: 790871
 Ion Ratio Lower Upper
 152 100
 115 54.8 27.2 81.6
 150 155.7 0.0 349.2

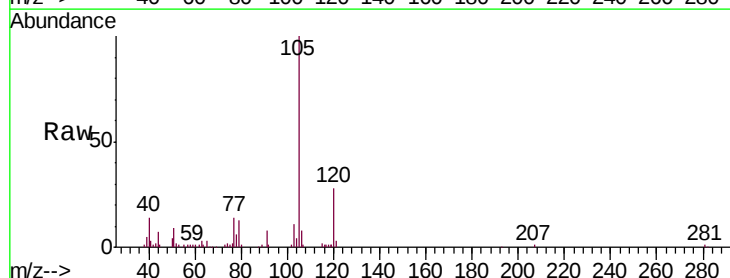


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

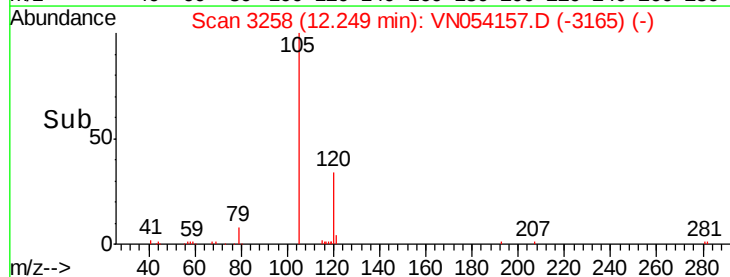
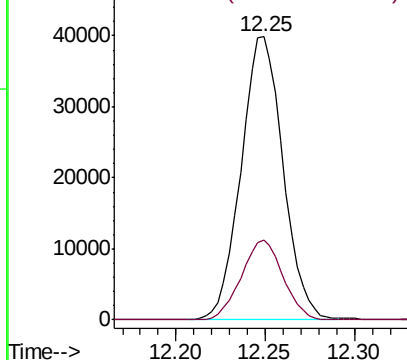


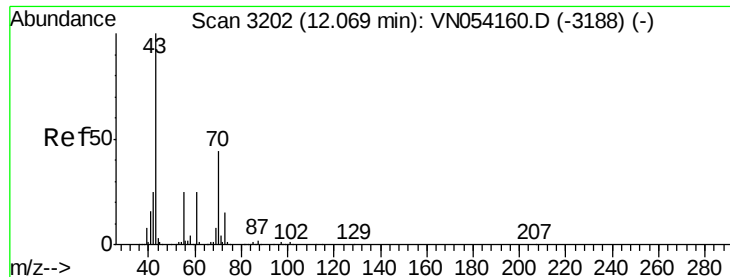
#73
 Isopropylbenzene
 Concen: 1.034 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion:105 Resp: 65423
 Ion Ratio Lower Upper
 105 100
 120 27.9 13.8 41.3



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

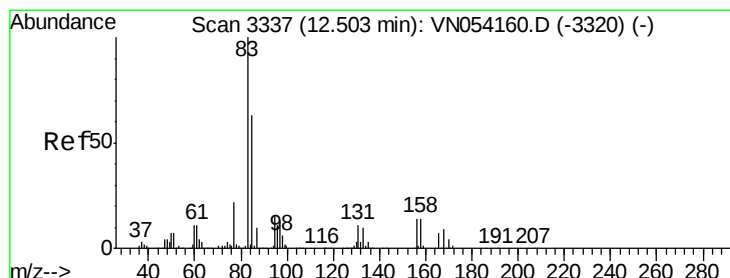
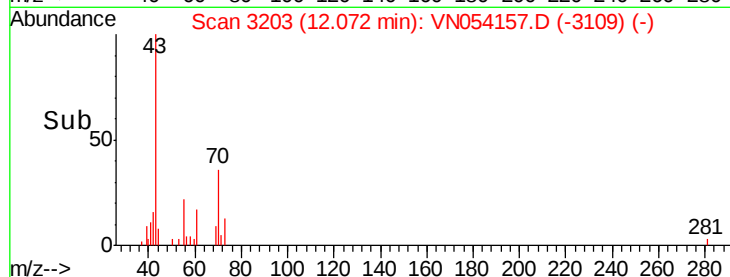
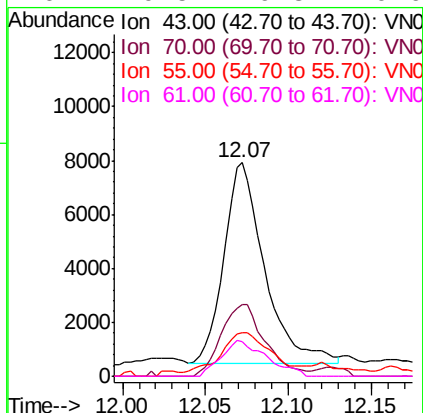
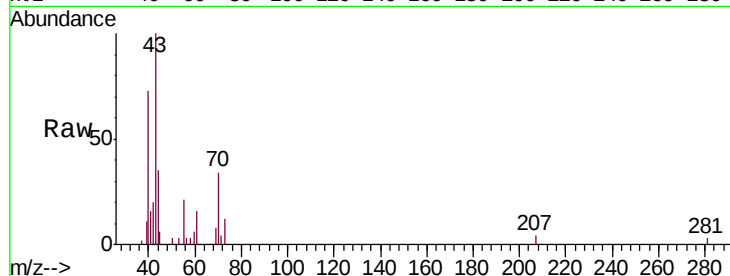




#74
N-amyI acetate
Concen: 0.900 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

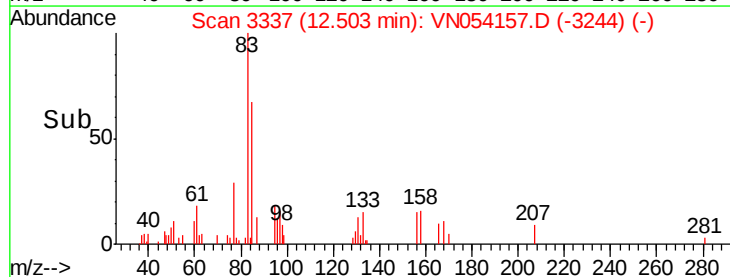
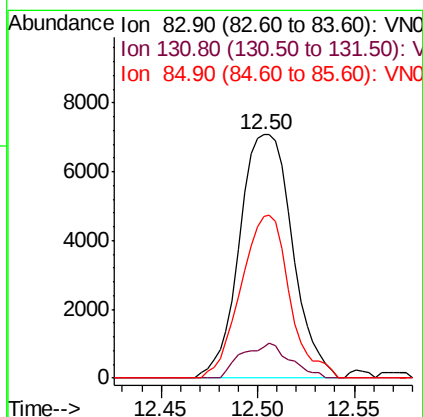
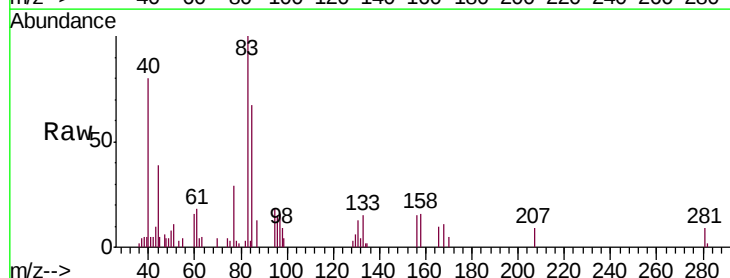
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

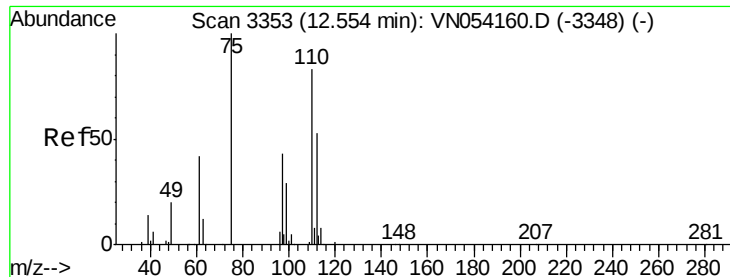
Tgt Ion:	43	Resp:	12642
Ion	Ratio	Lower	Upper
43	100		
70	38.5	35.4	53.0
55	25.1	19.8	29.6
61	19.5	19.8	29.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.996 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion:	83	Resp:	13429
Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.8	17.4
85	61.4	32.2	96.6

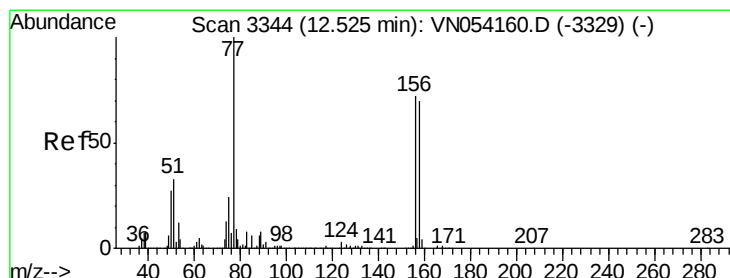
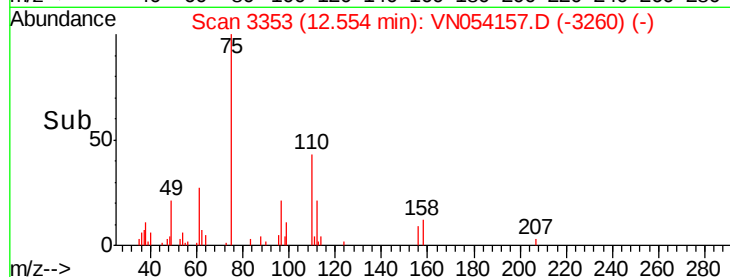
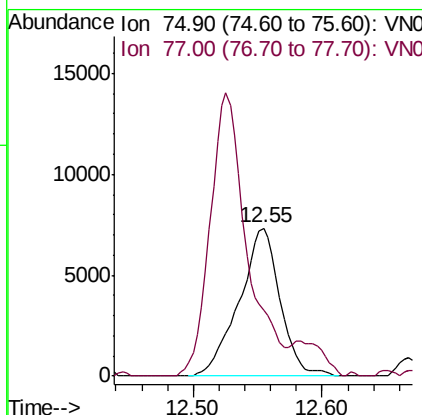
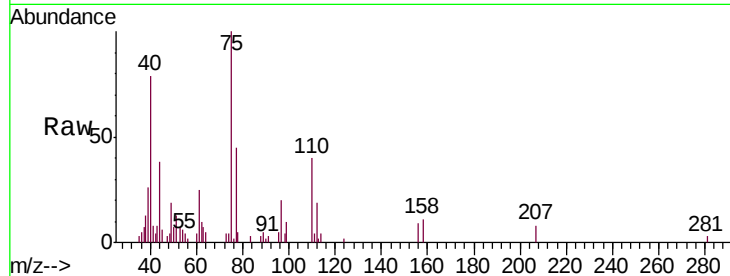




#76
 1,2,3-Trichloropropane
 Concen: 1.380 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

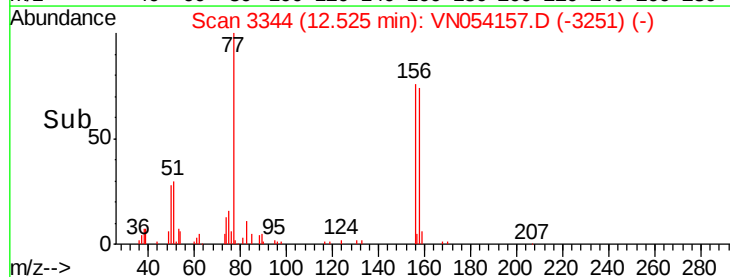
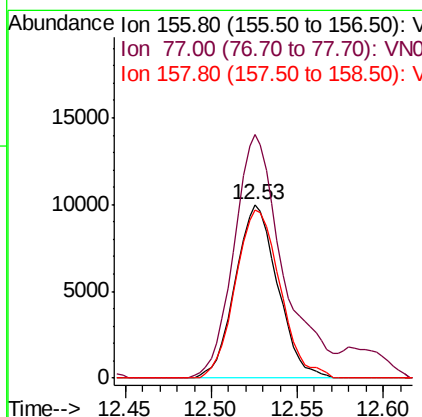
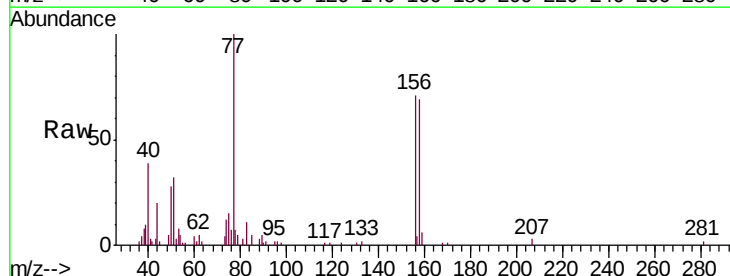
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

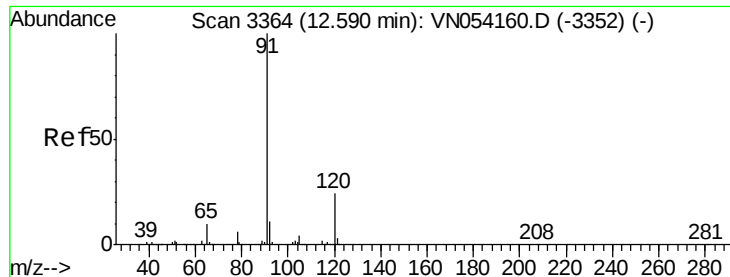
Tgt Ion: 75 Resp: 16259
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 1.027 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 156 Resp: 17201
 Ion Ratio Lower Upper
 156 100
 77 161.7 81.5 244.4
 158 101.9 49.0 147.2





#78

n-propylbenzene

Concen: 0.989 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

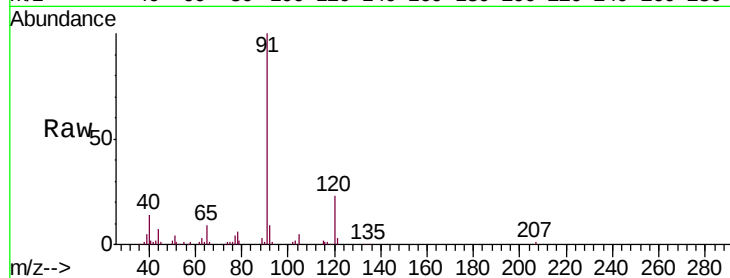
VSTDIC001

Tgt Ion: 91 Resp: 67898

Ion Ratio Lower Upper

91 100

120 25.1 12.3 36.9

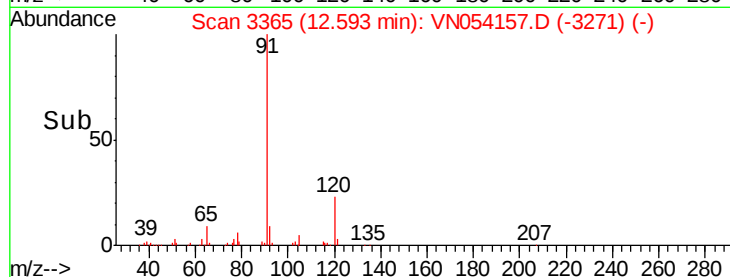


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3352) (-)

12.59

Time-->

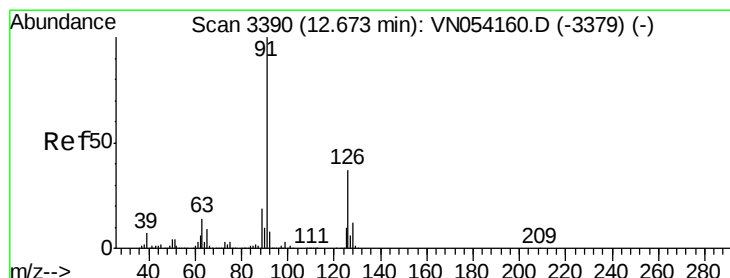


Abundance Ion 91.00 (90.70 to 91.70): VN054157.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN054157.D (-3271) (-)

12.59

Time-->



#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054157.D

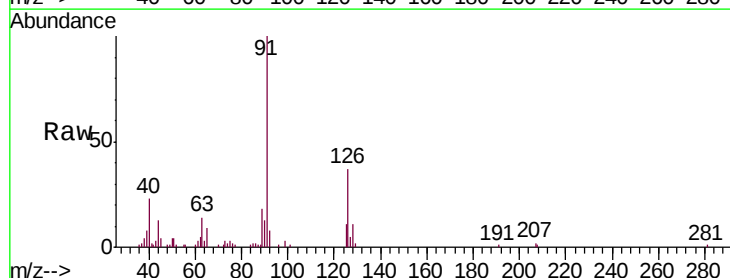
Acq: 12 Mar 2019 10:02

Tgt Ion: 91 Resp: 42216

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1

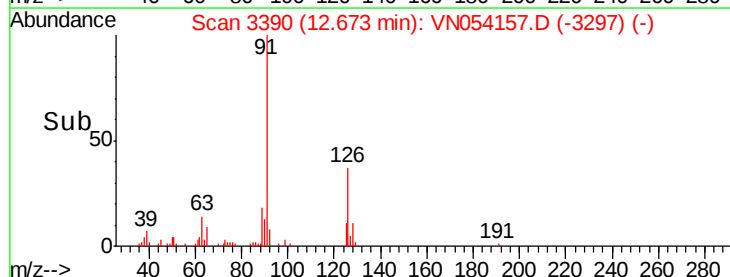


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

12.67

Time-->

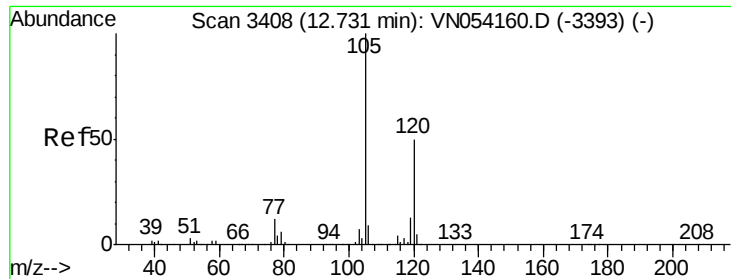


Abundance Ion 91.00 (90.70 to 91.70): VN054157.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054157.D (-3297) (-)

12.67

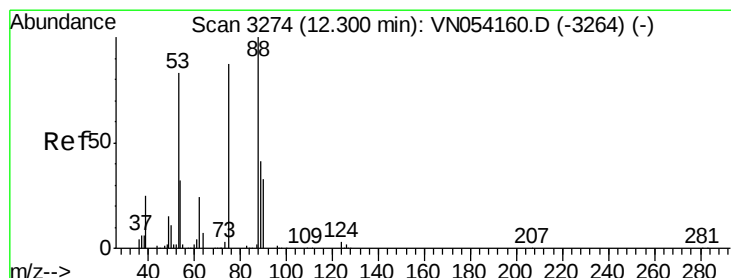
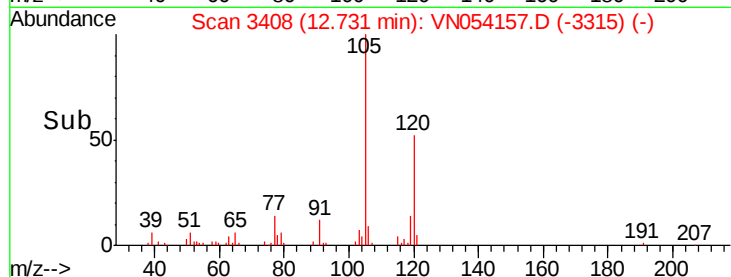
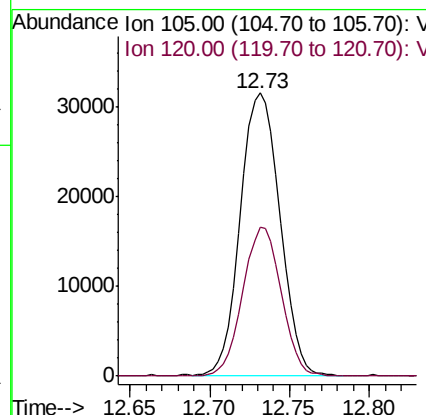
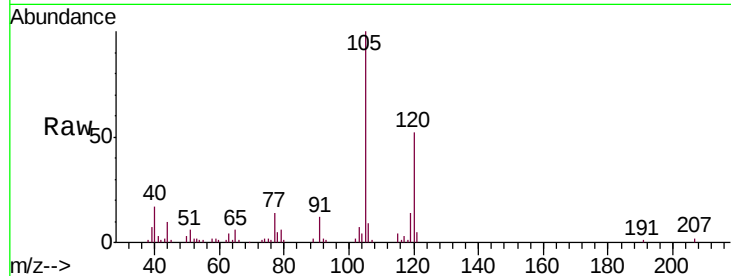
Time-->



#80
 1,3,5-Trimethylbenzene
 Concen: 1.017 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

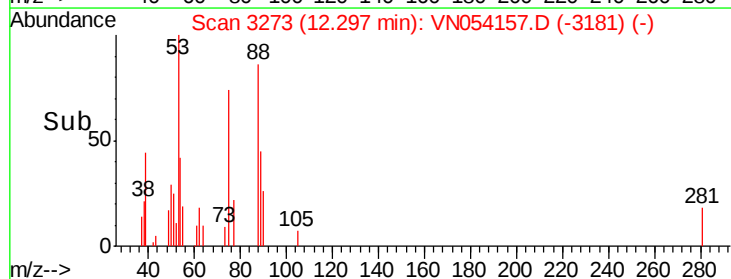
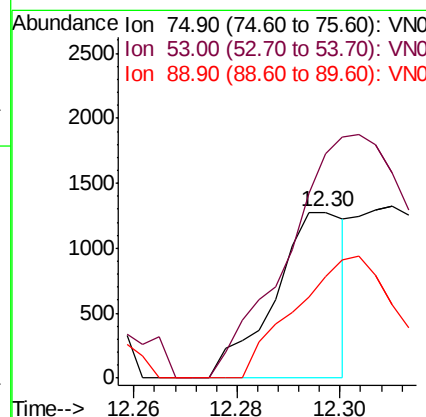
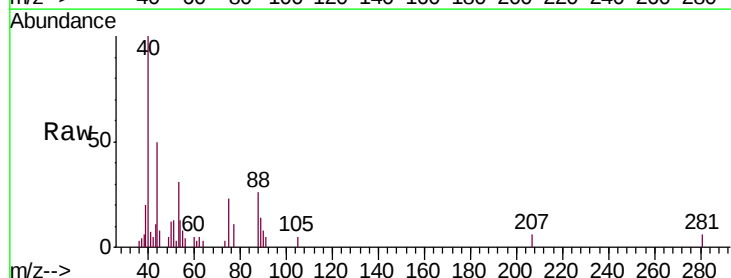
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

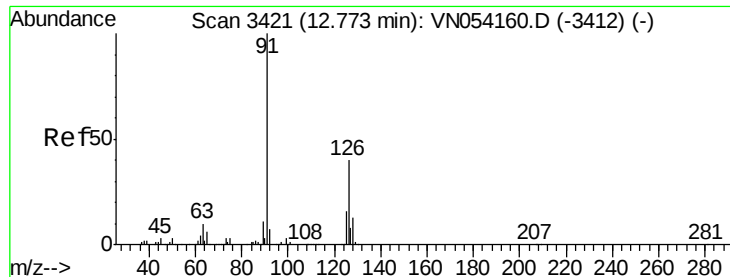
Tgt Ion: 105 Resp: 53549
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.163 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 75 Resp: 1213
 Ion Ratio Lower Upper
 75 100
 53 292.7 76.2 114.2#
 89 110.3 39.2 58.8#

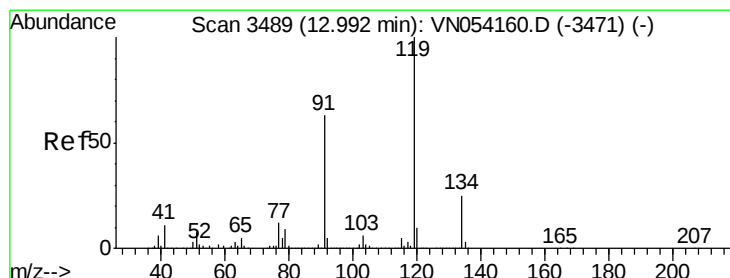
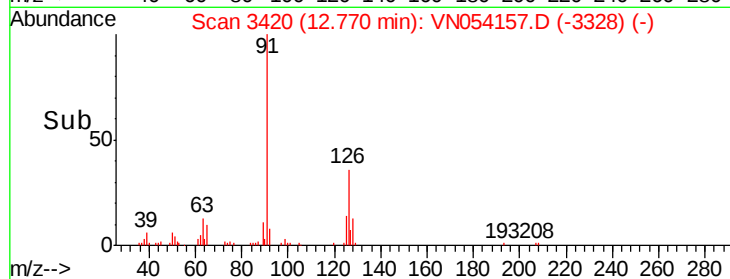
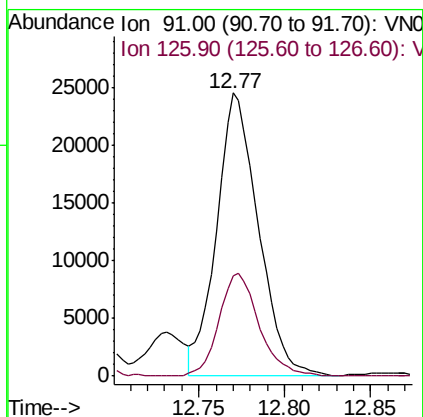
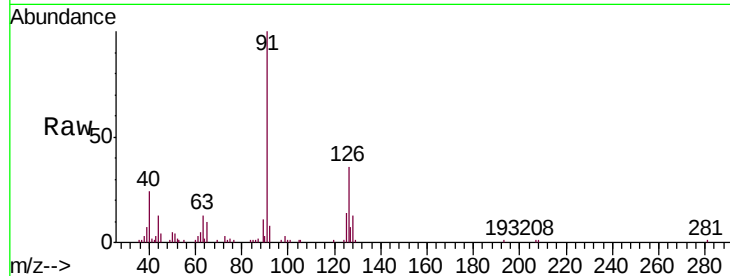




#82
4-Chlorotoluene
Concen: 1.011 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

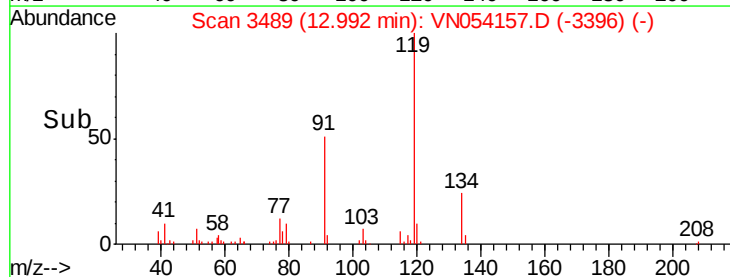
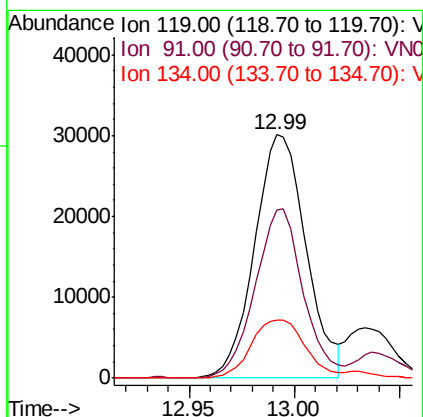
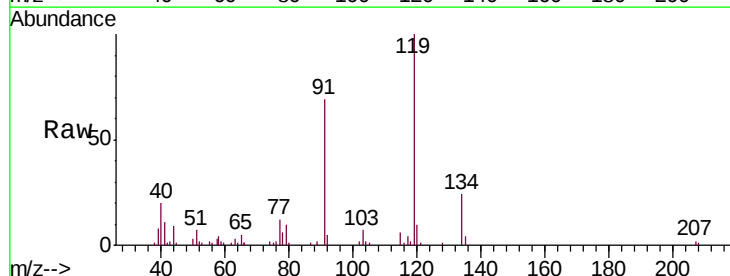
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

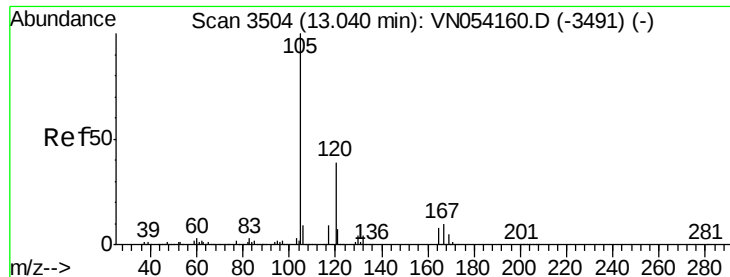
Tgt Ion: 91 Resp: 41693
Ion Ratio Lower Upper
91 100
126 34.7 18.1 54.1



#83
tert-Butylbenzene
Concen: 1.056 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 119 Resp: 51144
Ion Ratio Lower Upper
119 100
91 65.3 30.9 92.8
134 25.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.968 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

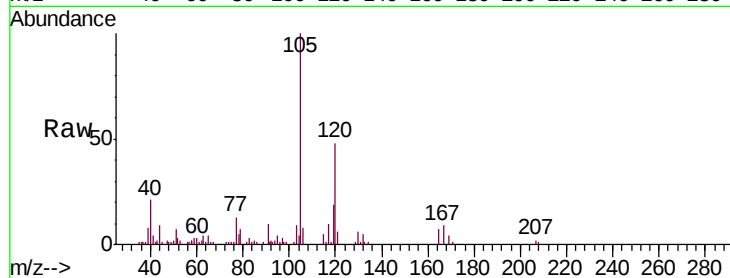
VSTDIC001

Tgt Ion:105 Resp: 49978

Ion Ratio Lower Upper

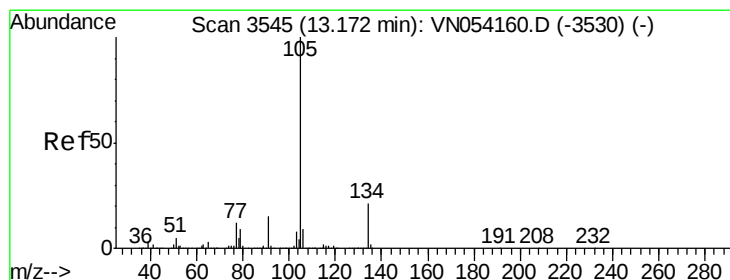
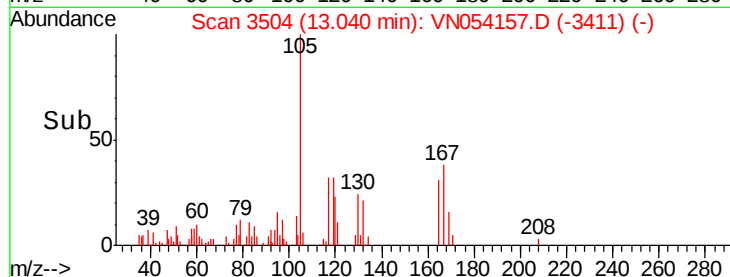
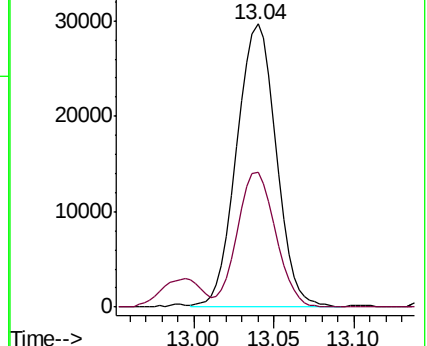
105 100

120 46.2 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: 1.003 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054157.D

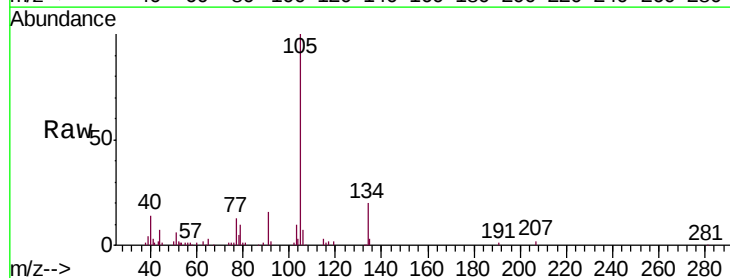
Acq: 12 Mar 2019 10:02

Tgt Ion:105 Resp: 63018

Ion Ratio Lower Upper

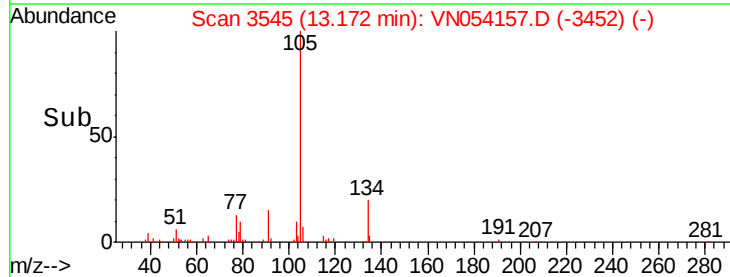
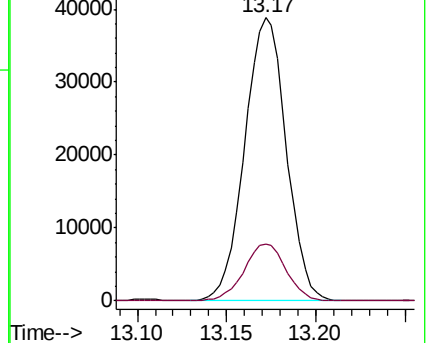
105 100

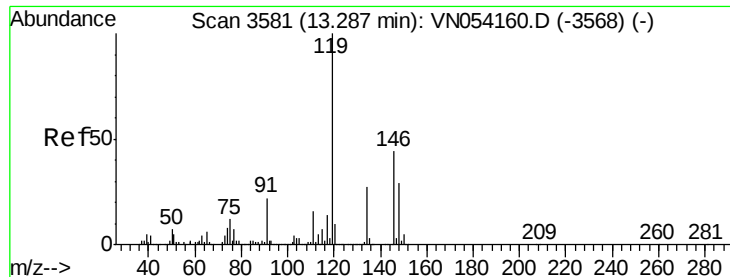
134 20.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

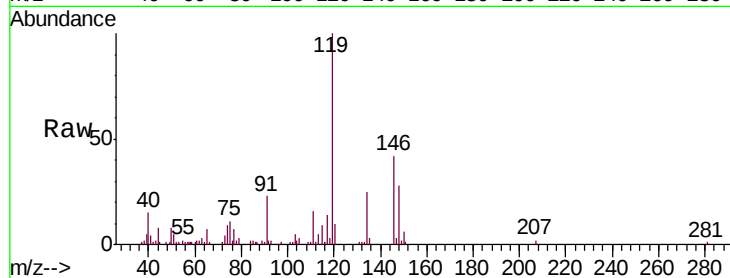




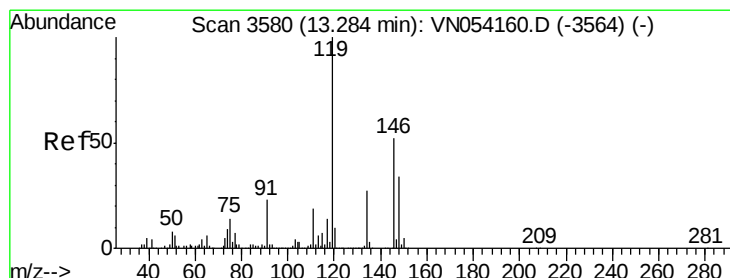
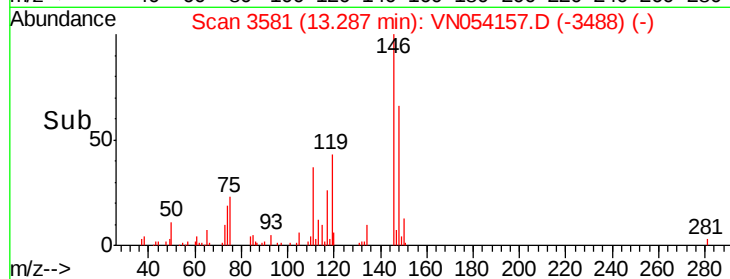
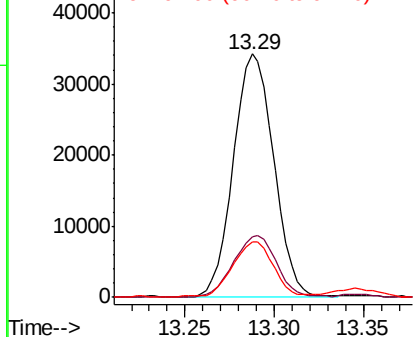
#86
p-Isopropyltoluene
Concen: 0.981 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 54044
Ion Ratio Lower Upper
119 100
134 27.0 13.6 40.8
91 23.5 11.1 33.3

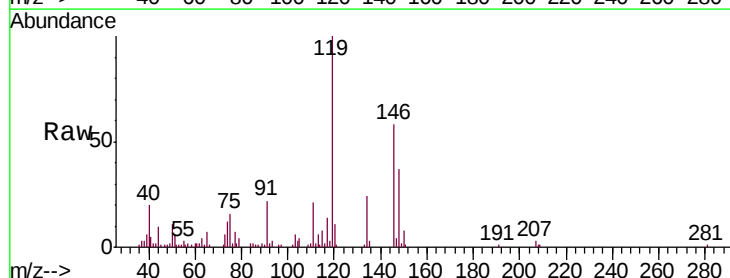


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

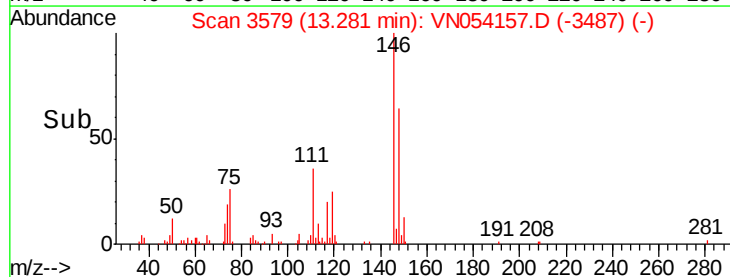
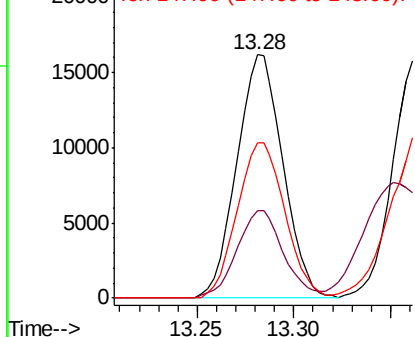


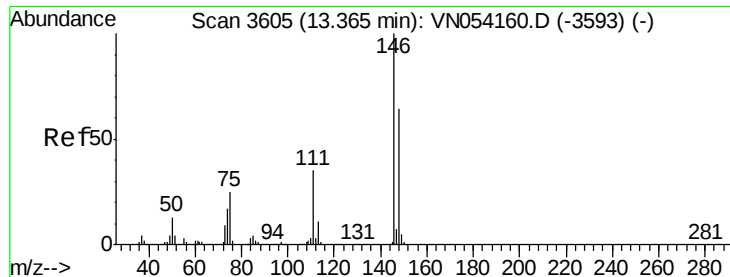
#87
1,3-Dichlorobenzene
Concen: 0.949 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion:146 Resp: 26764
Ion Ratio Lower Upper
146 100
111 36.2 18.8 56.3
148 66.1 32.2 96.6



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





#88

1,4-Dichlorobenzene

Concen: 0.965 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

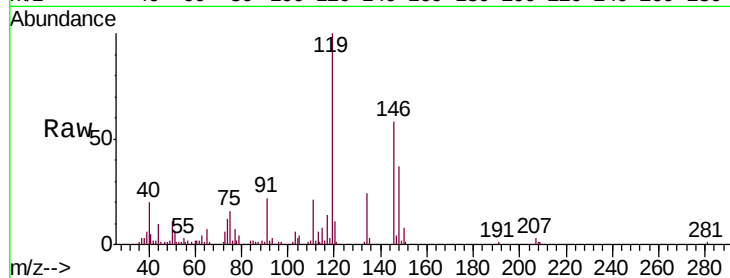
Tgt Ion:146 Resp: 26764

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.1

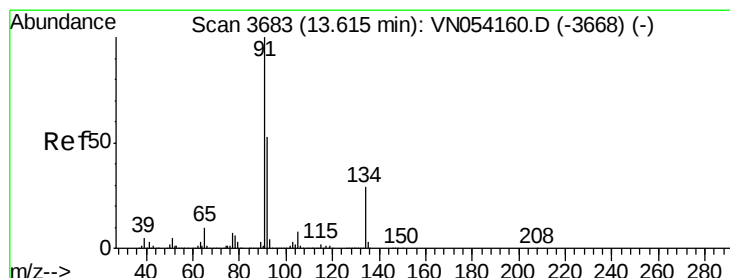
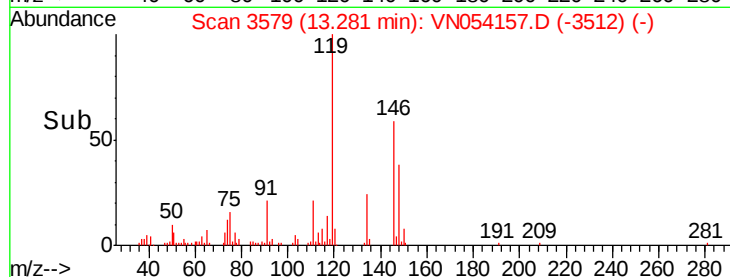
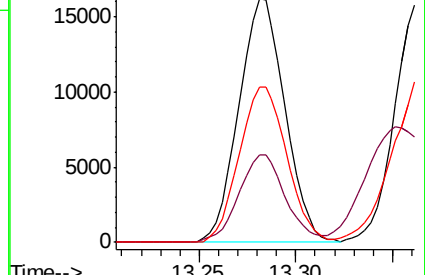
148 66.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.832 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

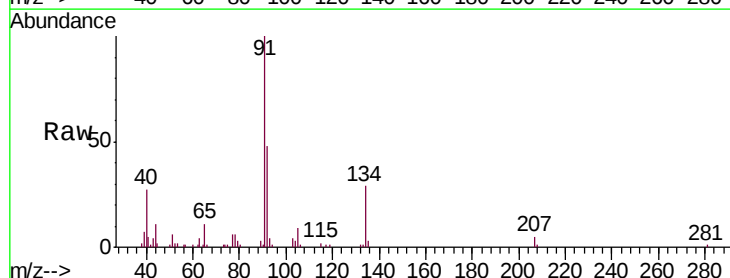
Tgt Ion: 91 Resp: 34828

Ion Ratio Lower Upper

91 100

92 50.0 26.2 78.6

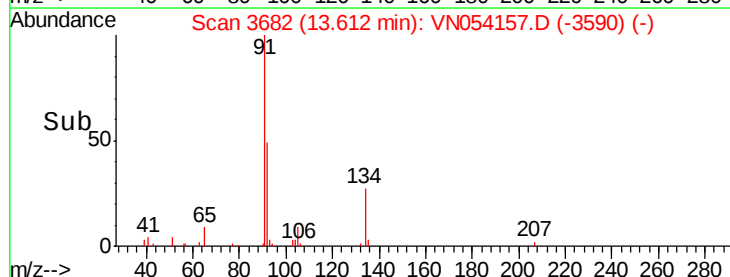
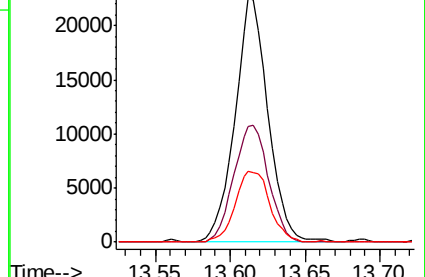
134 30.1 14.3 42.9

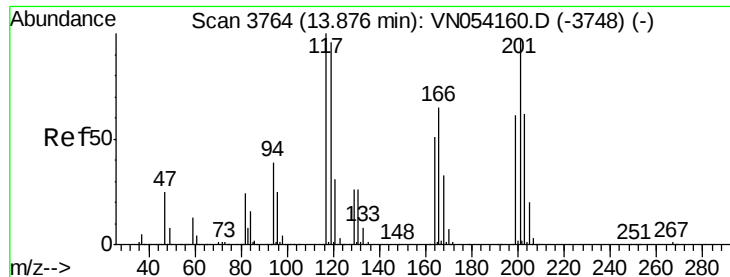


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.922 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

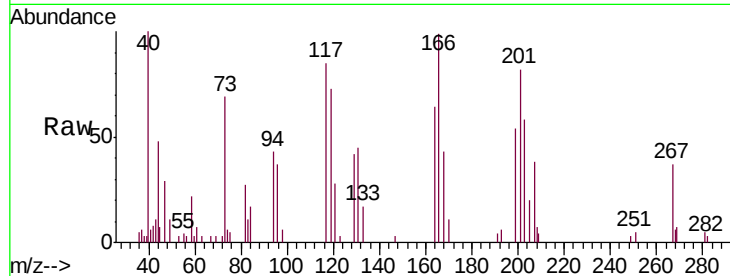
VSTDIC001

Tgt Ion:117 Resp: 8417

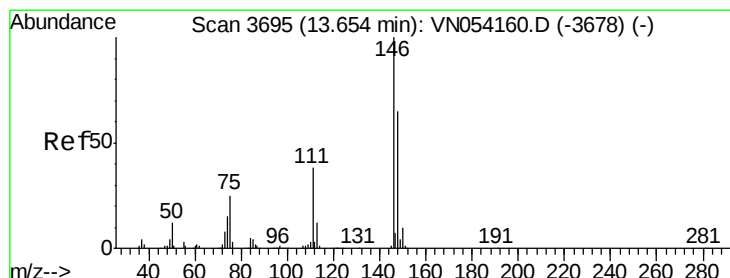
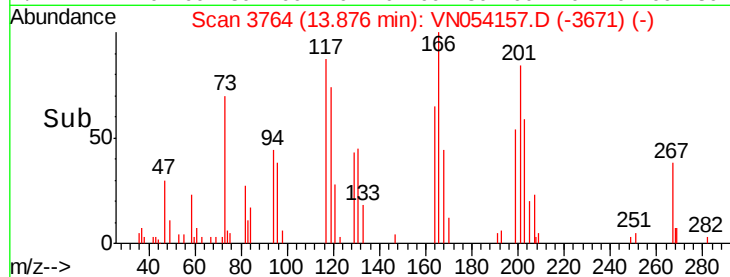
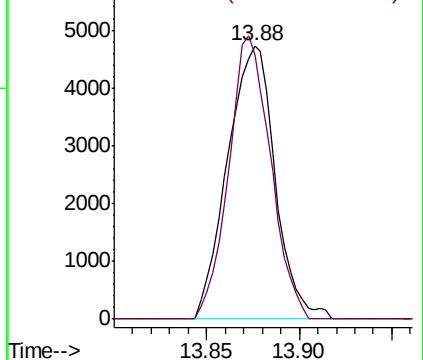
Ion Ratio Lower Upper

117 100

201 91.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.982 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

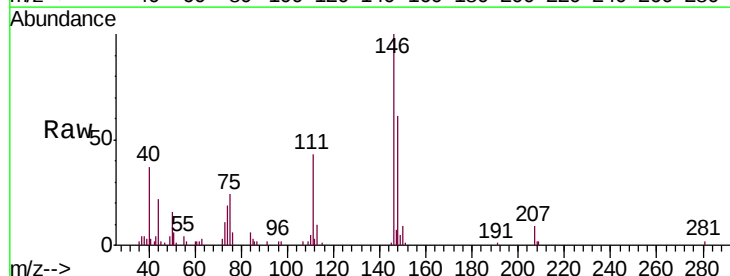
Tgt Ion:146 Resp: 27096

Ion Ratio Lower Upper

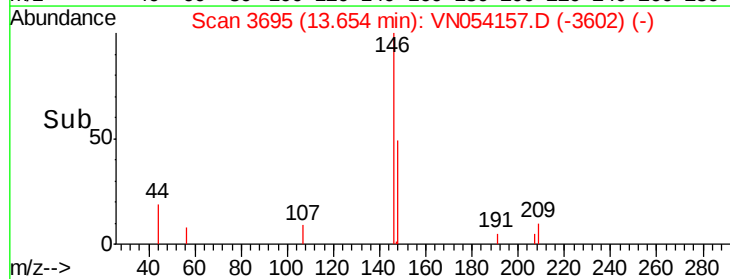
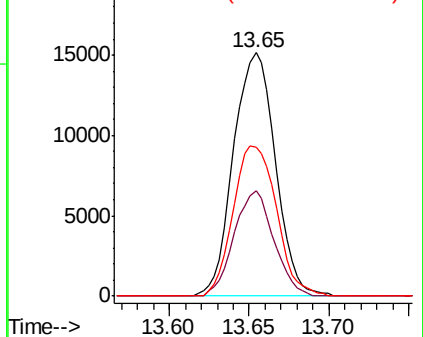
146 100

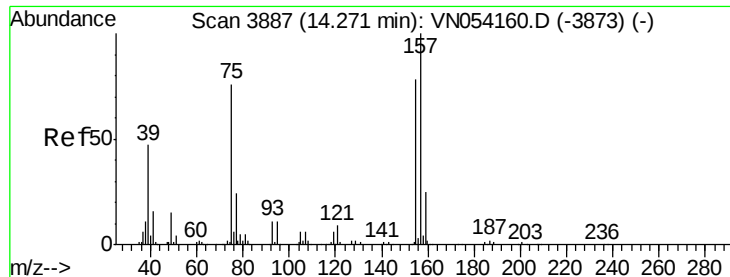
111 40.9 19.1 57.3

148 63.6 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: 0.968 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

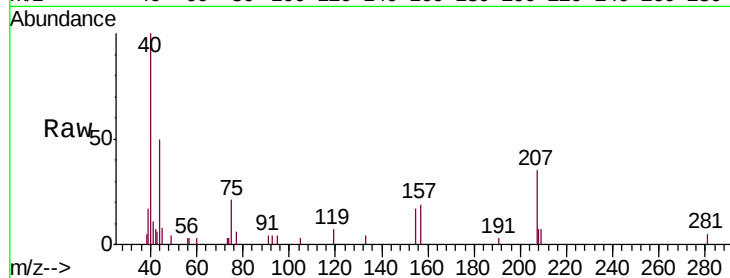
Tgt Ion: 75 Resp: 2020

Ion Ratio Lower Upper

75 100

155 94.5 50.1 150.3

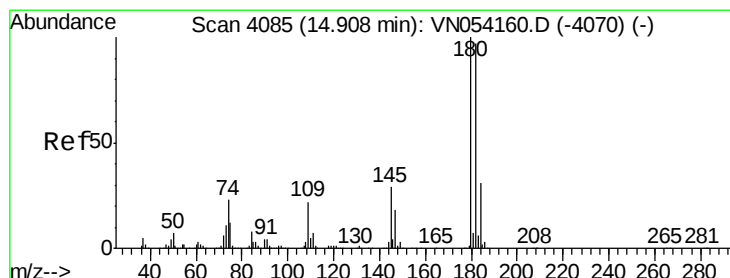
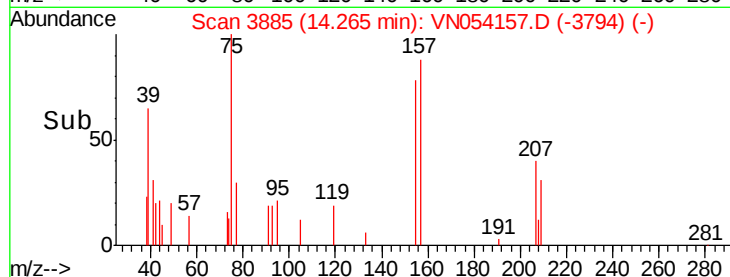
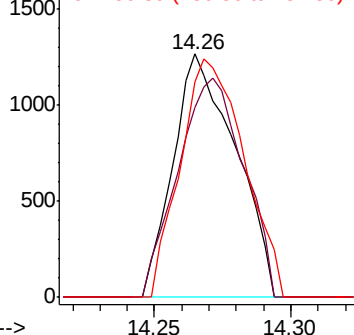
157 99.8 63.1 189.3



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: 3.054 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

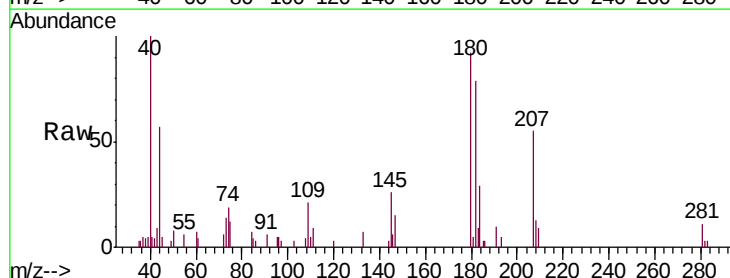
Tgt Ion: 180 Resp: 9423

Ion Ratio Lower Upper

180 100

182 90.0 48.0 144.2

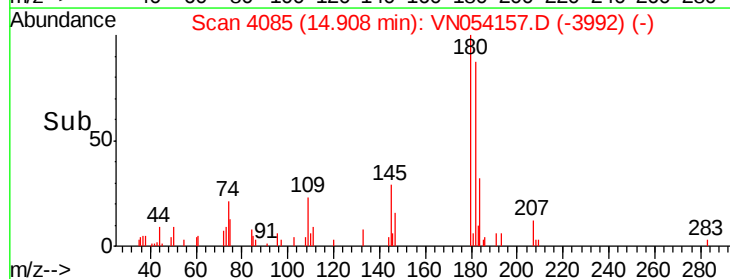
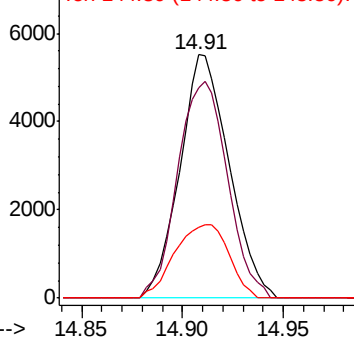
145 33.2 14.2 42.8

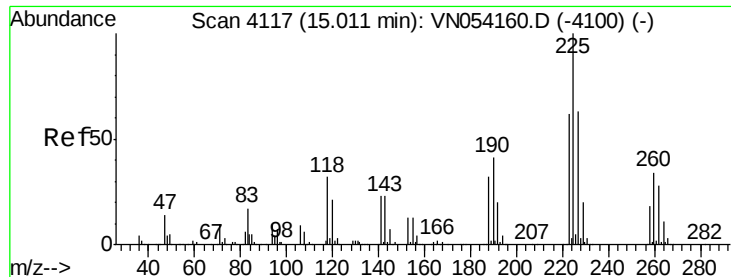


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.088 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

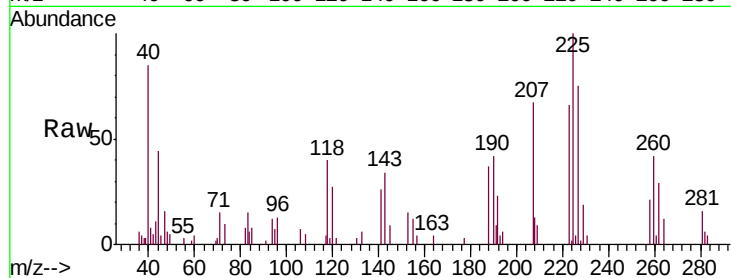
Tgt Ion:225 Resp: 11432

Ion Ratio Lower Upper

225 100

223 66.8 31.1 93.5

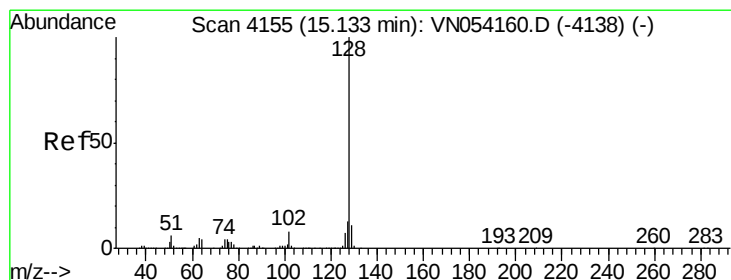
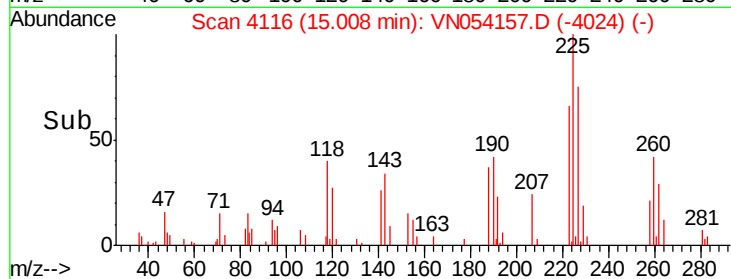
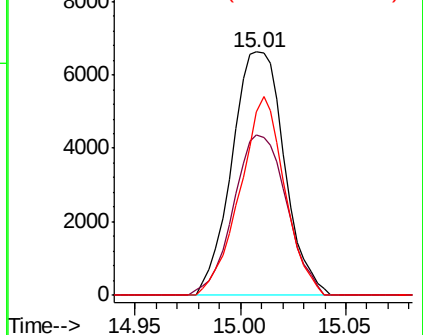
227 69.8 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.030 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

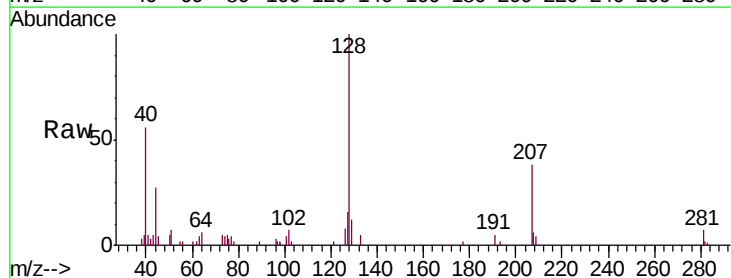
Tgt Ion:128 Resp: 20871

Ion Ratio Lower Upper

128 100

127 15.3 10.1 15.1#

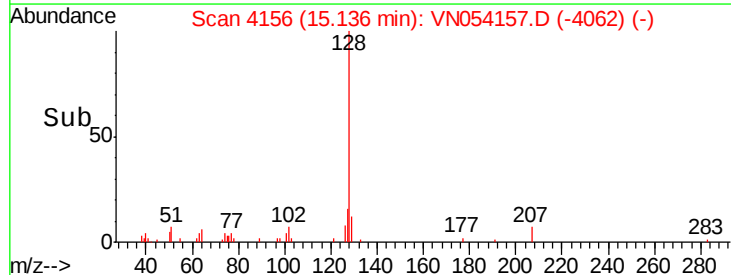
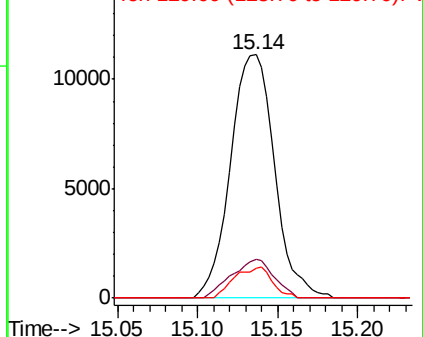
129 10.8 8.7 13.1

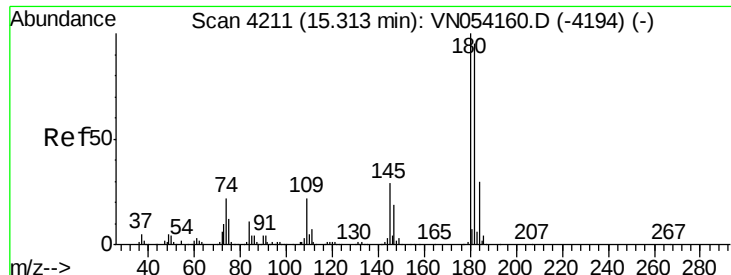


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.792 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	44.1	47.5	142.6#
145	27.2	14.8	44.3

