

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010519\
 Data File : VN053285.D
 Acq On : 4 Jan 2019 16:49
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 05 00:04:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 05 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	913669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1384075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1220826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	527052	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	9897	1.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.16%	
35) Dibromofluoromethane	7.59	113	7816	1.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.36%	
50) Toluene-d8	10.09	98	32191	0.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.92%	
62) 4-Bromofluorobenzene	12.40	95	11990	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	7377	0.808	ug/l	93
3) Chloromethane	2.06	50	10321	0.923	ug/l	99
4) Vinyl Chloride	2.19	62	10113	0.896	ug/l	95
5) Bromomethane	2.56	94	7143	0.918	ug/l	94
6) Chloroethane	2.71	64	6287	0.944	ug/l	99
7) Trichlorofluoromethane	3.02	101	13525	0.962	ug/l	98
8) Diethyl Ether	3.41	74	4529	0.846	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.77	101	8553	0.952	ug/l	95
10) Methyl Iodide	3.96	142	7523	0.599	ug/l #	93
11) Tert butyl alcohol	4.77	59	909	1.590	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	7918	0.913	ug/l	98
13) Acrolein	3.61	56	3408	6.237	ug/l	98
14) Allyl chloride	4.32	41	12683	0.942	ug/l	96
15) Acrylonitrile	5.00	53	14196	4.440	ug/l	96
16) Acetone	3.82	43	14788	7.741	ug/l	98
17) Carbon Disulfide	4.06	76	24111	0.855	ug/l	99
18) Methyl Acetate	4.33	43	11236	1.322	ug/l #	68
19) Methyl tert-butyl Ether	5.05	73	21054	0.900	ug/l	96
20) Methylene Chloride	4.55	84	10015	1.008	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	8570	0.917	ug/l	90
22) Diisopropyl ether	5.95	45	25182	0.871	ug/l #	85
23) Vinyl Acetate	5.90	43	77934	4.572	ug/l	97
24) 1,1-Dichloroethane	5.85	63	15328	0.896	ug/l	94
25) 2-Butanone	6.84	43	18058	5.688	ug/l	95
26) 2,2-Dichloropropane	6.83	77	11419	0.881	ug/l	80
27) cis-1,2-Dichloroethene	6.84	96	9543	0.902	ug/l	98
28) Bromochloromethane	7.19	49	3741	0.504	ug/l #	19
29) Tetrahydrofuran	7.22	42	11072	4.765	ug/l #	76
30) Chloroform	7.37	83	15434	0.919	ug/l	100
31) Cyclohexane	7.66	56	28205	1.489	ug/l #	12
32) 1,1,1-Trichloroethane	7.57	97	12725	0.892	ug/l #	50
36) 1,1-Dichloropropene	7.80	75	11679	0.880	ug/l	97
37) Ethyl Acetate	6.93	43	5651	0.747	ug/l #	91
38) Carbon Tetrachloride	7.77	117	10924	0.899	ug/l	92

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 VSTDIC001

Quant Time: Jan 05 00:04:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 05 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	13998	0.873	ug/l	97
40) Benzene	8.04	78	37490	0.947	ug/l	94
41) Methacrylonitrile	7.17	41	3240	0.752	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	11353	0.972	ug/l	98
43) Isopropyl Acetate	8.18	43	18514	1.112	ug/l #	78
44) Trichloroethene	8.83	130	10368	0.915	ug/l	99
45) 1,2-Dichloropropane	9.12	63	10025	0.972	ug/l	95
46) Dibromomethane	9.21	93	5324	0.884	ug/l	91
47) Bromodichloromethane	9.40	83	11610	0.912	ug/l	97
48) Methyl methacrylate	9.20	41	6390	0.877	ug/l	95
49) 1,4-Dioxane	9.20	88	863	9.444	ug/l #	69
51) 4-Methyl-2-Pentanone	9.98	43	34859	4.726	ug/l	96
52) Toluene	10.16	92	21578	0.879	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	10611	0.794	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	12078	0.787	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	8154	0.948	ug/l	95
56) Ethyl methacrylate	10.43	69	8965	0.785	ug/l	95
57) 1,3-Dichloropropane	10.71	76	13664	0.931	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	28221	4.533	ug/l	97
59) 2-Hexanone	10.75	43	24908	4.963	ug/l	93
60) Dibromochloromethane	10.90	129	8191	0.836	ug/l	100
61) 1,2-Dibromoethane	11.01	107	7845	0.899	ug/l	98
64) Tetrachloroethene	10.63	164	11153	0.861	ug/l	98
65) Chlorobenzene	11.43	112	25194	0.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	8023	0.852	ug/l #	63
67) Ethyl Benzene	11.51	91	39499	0.849	ug/l	98
68) m/p-Xylenes	11.62	106	29784	1.684	ug/l	99
69) o-Xylene	11.95	106	14291	0.843	ug/l	99
70) Styrene	11.96	104	22232	0.803	ug/l	99
71) Bromoform	12.13	173	5271	0.777	ug/l #	94
73) Isopropylbenzene	12.25	105	36624	0.890	ug/l	100
74) N-amyl acetate	12.07	43	10160	0.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	9831	1.186	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	11096	1.275	ug/l #	100
77) Bromobenzene	12.53	156	9916	0.925	ug/l	97
78) n-propylbenzene	12.59	91	40061	0.855	ug/l	98
79) 2-Chlorotoluene	12.68	91	25706	0.884	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	28451	0.849	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	2124	0.773	ug/l	93
82) 4-Chlorotoluene	12.77	91	26201	0.920	ug/l	99
83) tert-Butylbenzene	12.99	119	26107	0.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	27923	0.828	ug/l	95
85) sec-Butylbenzene	13.17	105	33715	0.844	ug/l	98
86) p-Isopropyltoluene	13.29	119	27845	0.807	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	16968	0.896	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	16968	0.884	ug/l	98
89) n-Butylbenzene	13.62	91	23311	0.786	ug/l	98
90) Hexachloroethane	13.88	117	4102	0.770	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	15612	0.875	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1088	0.799	ug/l	66

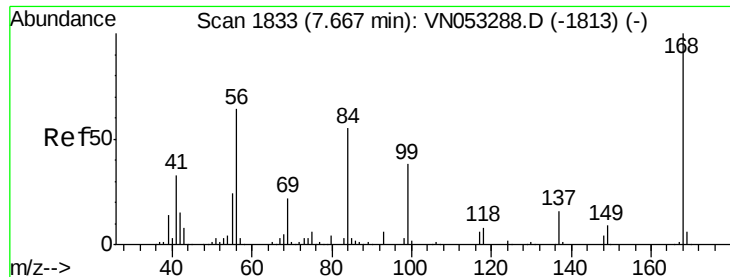
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010519\
Data File : VN053285.D
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MSVOA_N
ClientSampleId :
VSTDICC001

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Quant Title : SW846 8260
QLast Update : Sat Jan 05 00:00:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4279	0.426	ug/l	92
94) Hexachlorobutadiene	15.01	225	5268	0.867	ug/l	93
95) Naphthalene	15.14	128	6977	0.320	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2814	0.308	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

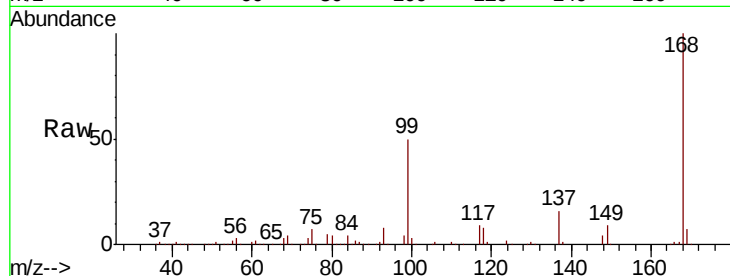
VSTDIC001

Tgt Ion:168 Resp: 913669

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

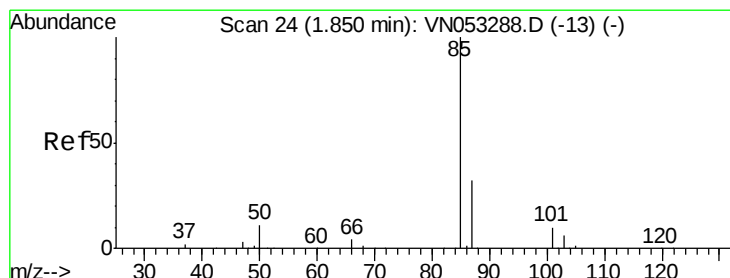
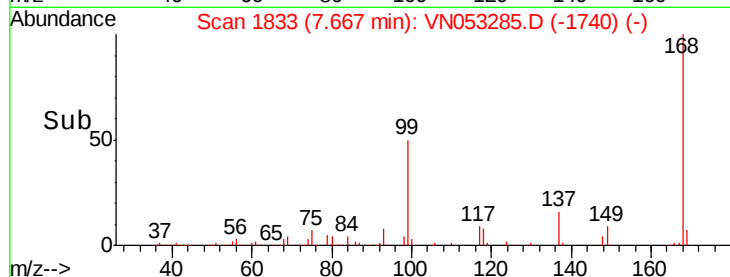
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.808 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053285.D

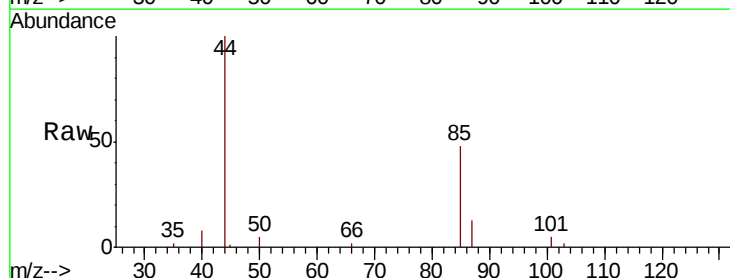
Acq: 4 Jan 2019 16:49

Tgt Ion: 85 Resp: 7377

Ion Ratio Lower Upper

85 100

87 28.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

6000

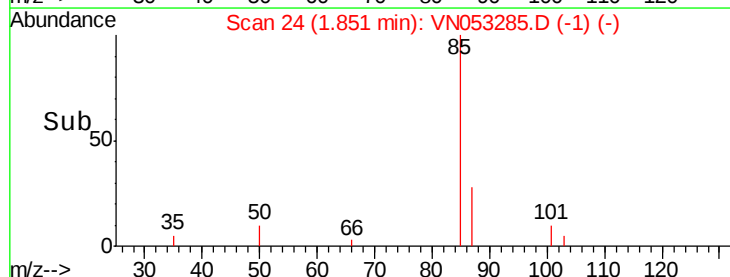
4000

2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 0.923 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

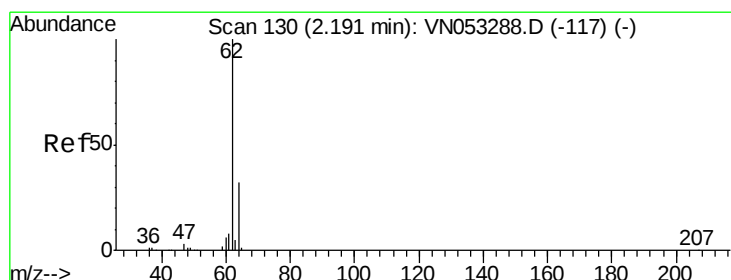
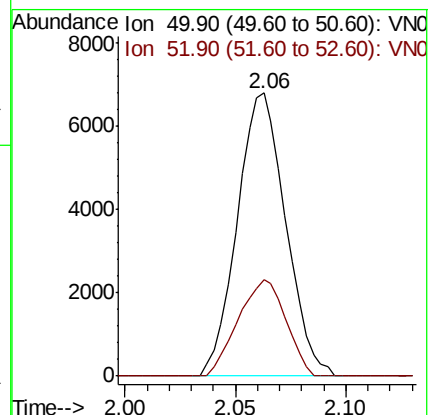
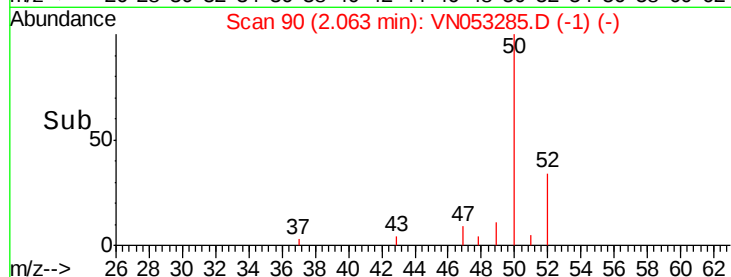
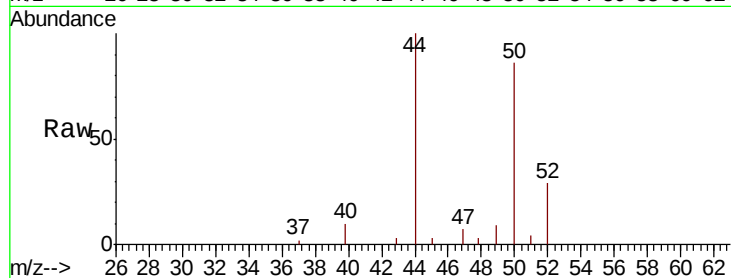
VSTDIC001

Tgt Ion: 50 Resp: 10321

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



#4

Vinyl Chloride

Concen: 0.896 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053285.D

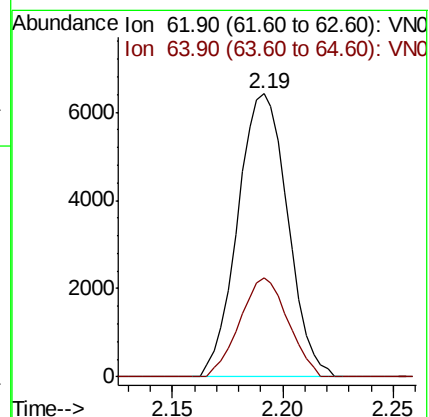
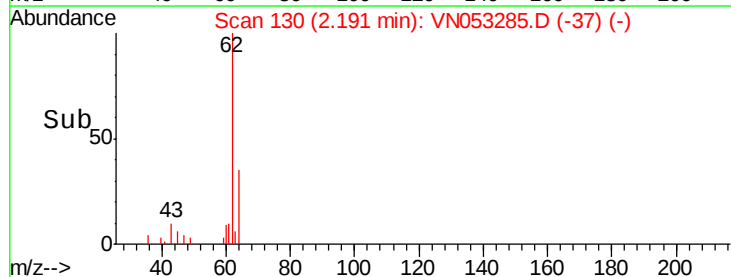
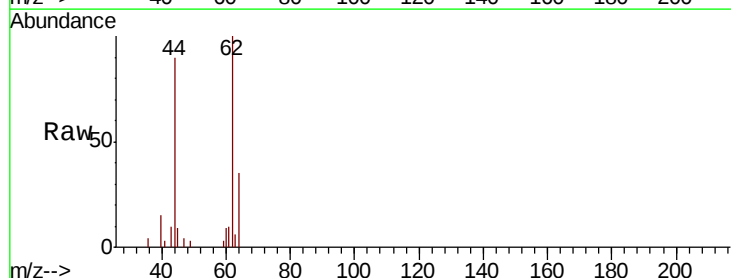
Acq: 4 Jan 2019 16:49

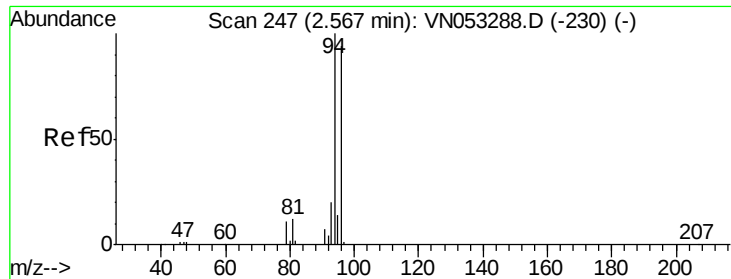
Tgt Ion: 62 Resp: 10113

Ion Ratio Lower Upper

62 100

64 34.9 25.6 38.4





#5

Bromomethane

Concen: 0.918 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

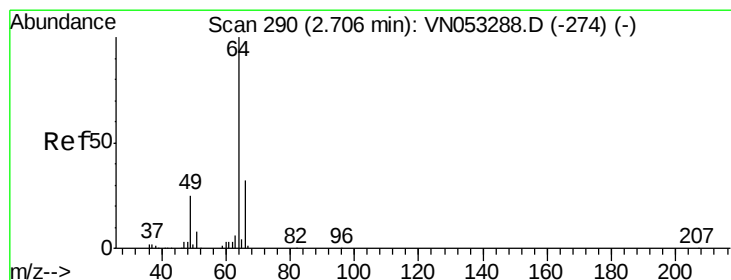
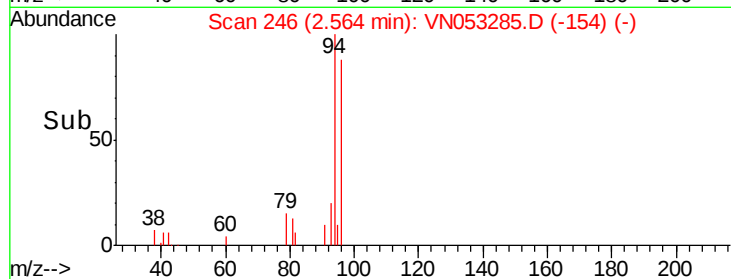
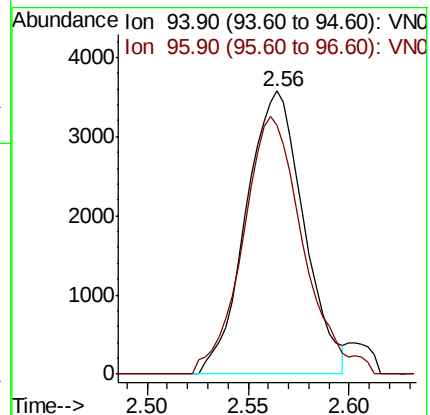
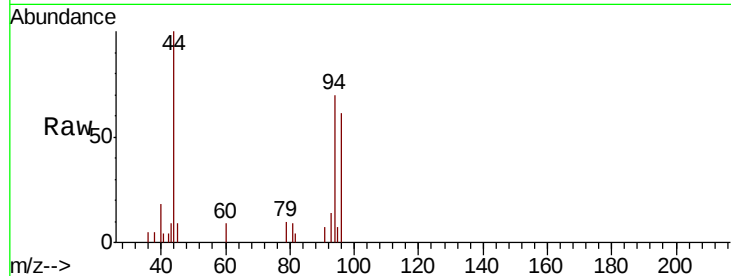
VSTDIC001

Tgt Ion: 94 Resp: 7143

Ion Ratio Lower Upper

94 100

96 87.9 74.9 112.3



#6

Chloroethane

Concen: 0.944 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053285.D

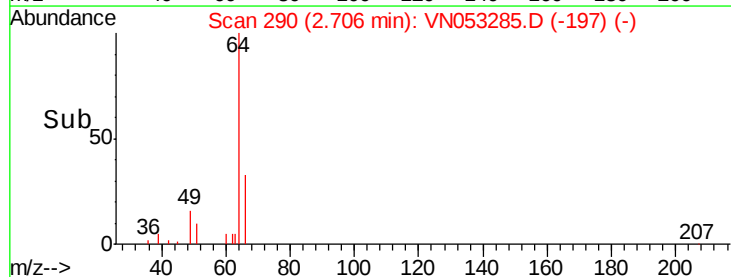
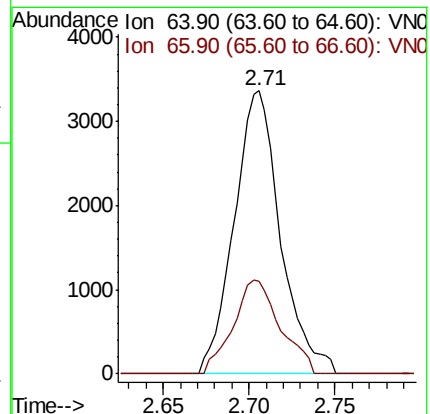
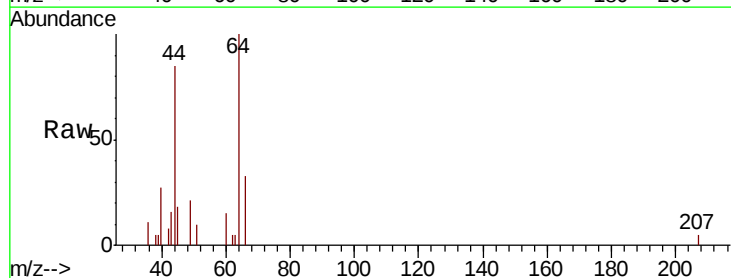
Acq: 4 Jan 2019 16:49

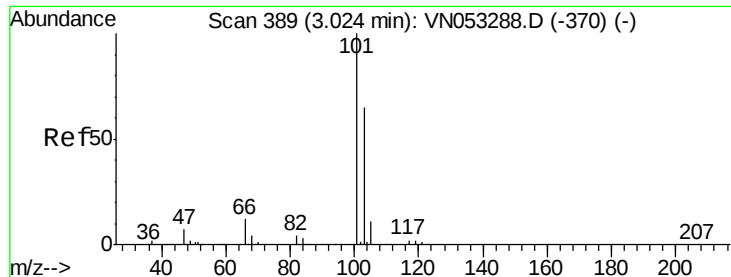
Tgt Ion: 64 Resp: 6287

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4





#7

Trichlorofluoromethane

Concen: 0.962 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

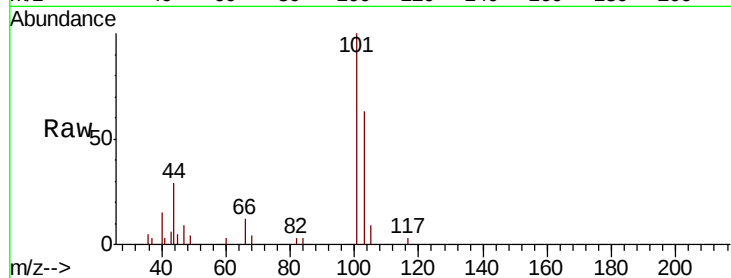
VSTDIC001

Tgt Ion:101 Resp: 13525

Ion Ratio Lower Upper

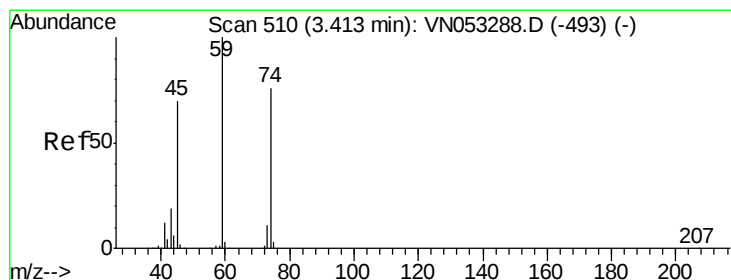
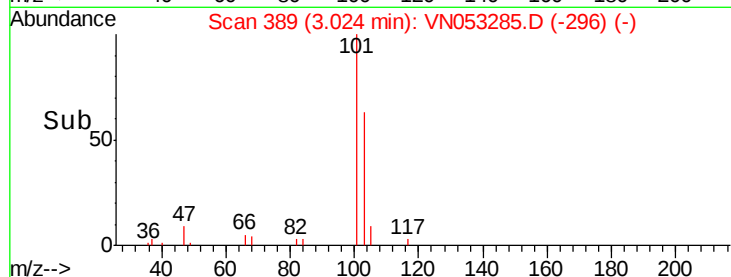
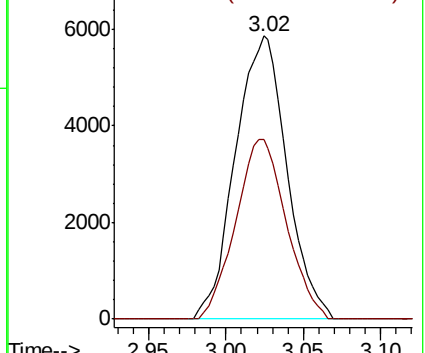
101 100

103 63.5 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.846 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN053285.D

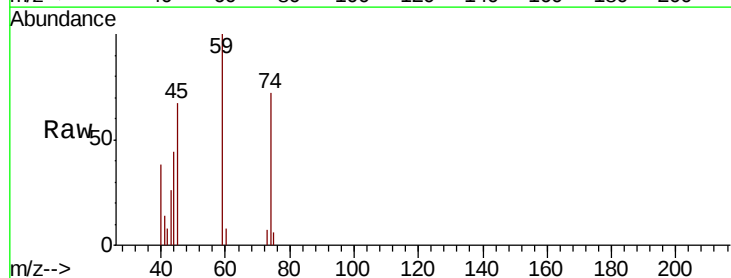
Acq: 4 Jan 2019 16:49

Tgt Ion: 74 Resp: 4529

Ion Ratio Lower Upper

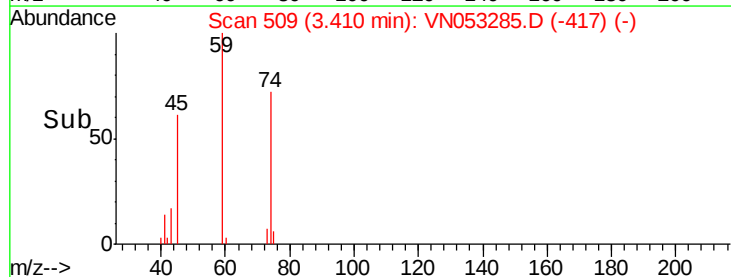
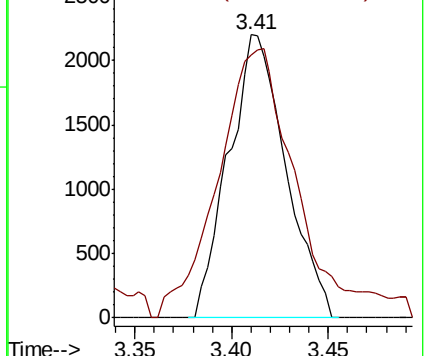
74 100

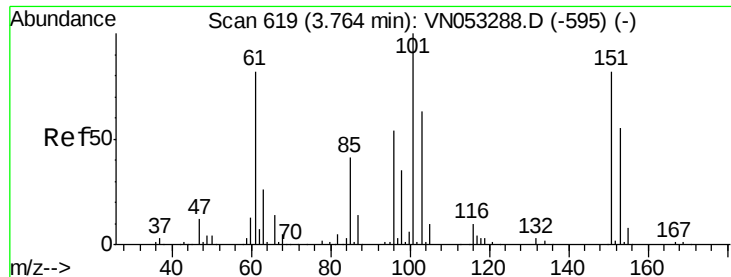
45 131.4 48.3 144.9



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: 0.952 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

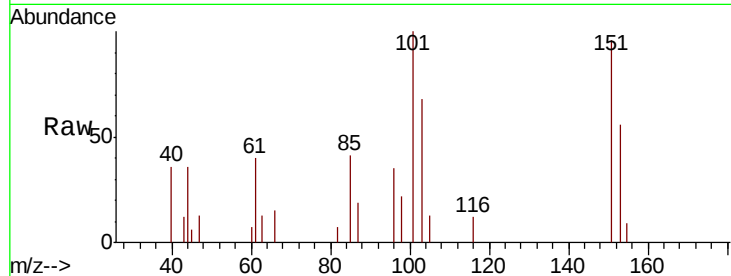
Tgt Ion:101 Resp: 8553

Ion Ratio Lower Upper

101 100

85 38.4 33.3 49.9

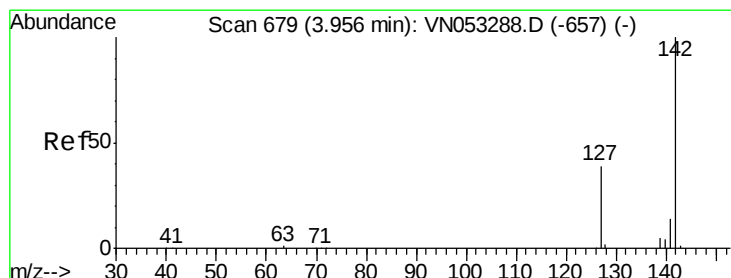
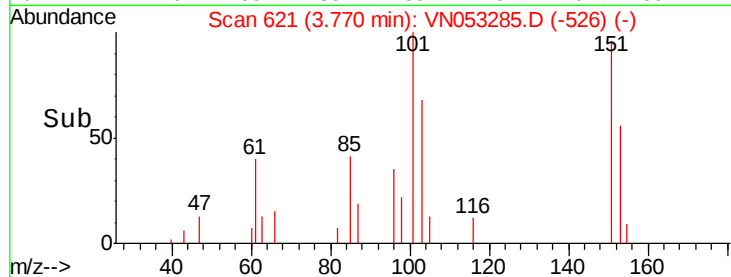
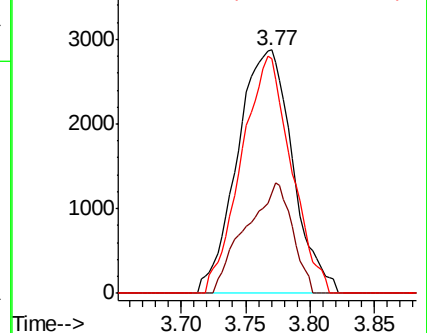
151 87.9 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.599 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

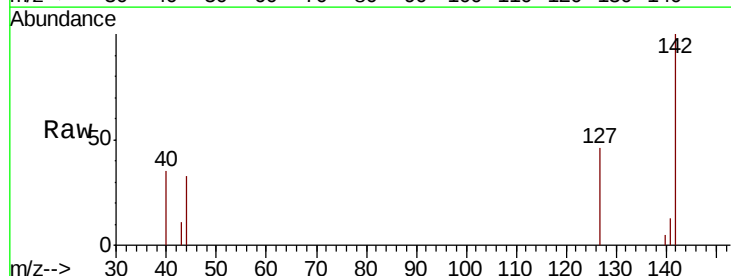
Tgt Ion:142 Resp: 7523

Ion Ratio Lower Upper

142 100

127 41.0 30.9 46.3

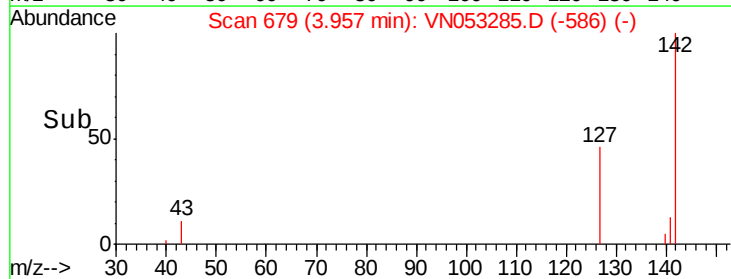
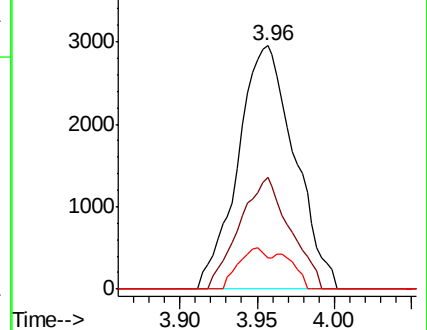
141 8.3 11.2 16.8#

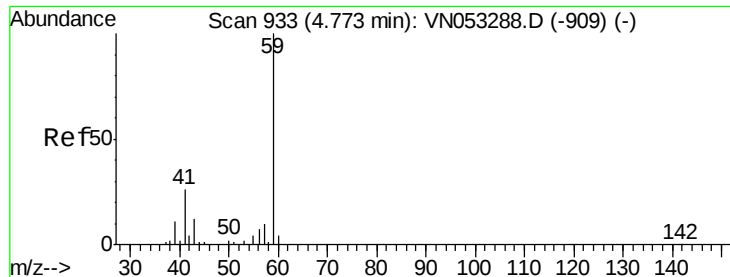


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

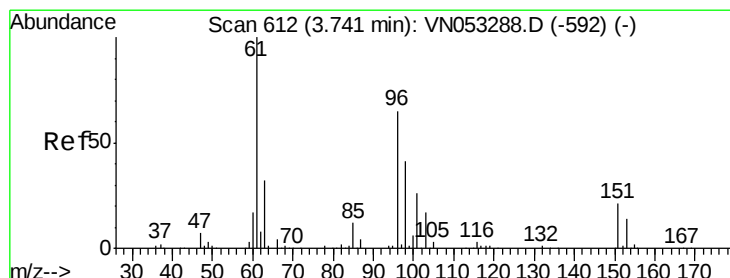
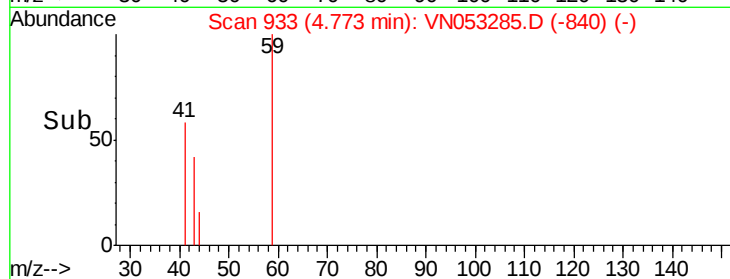
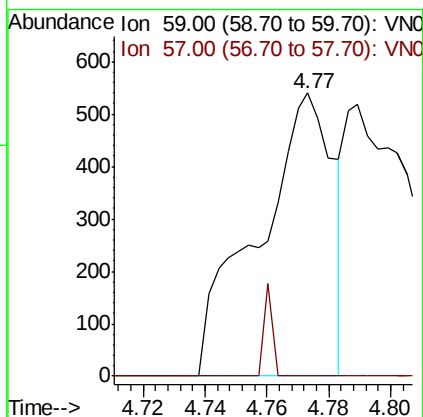
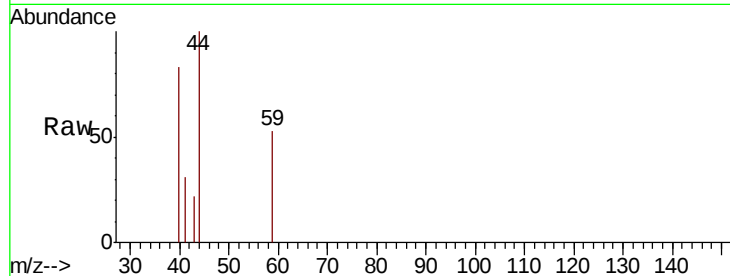




#11
Tert butyl alcohol
Concen: 1.590 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

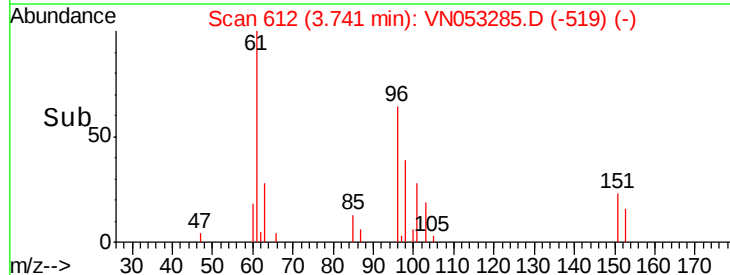
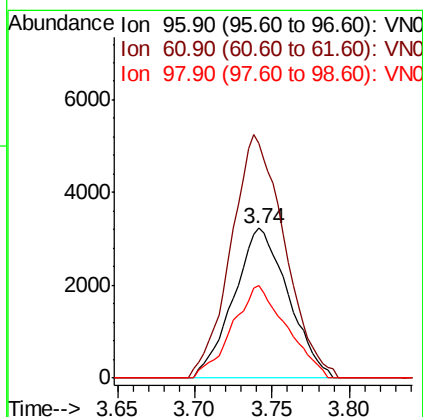
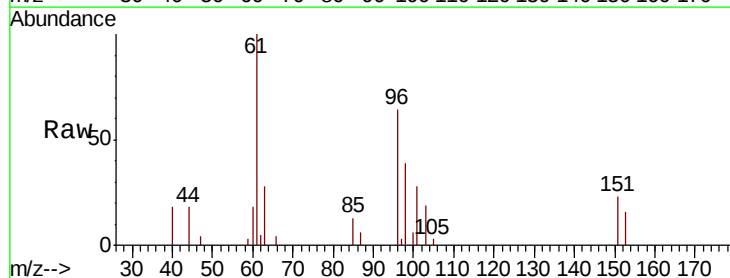
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

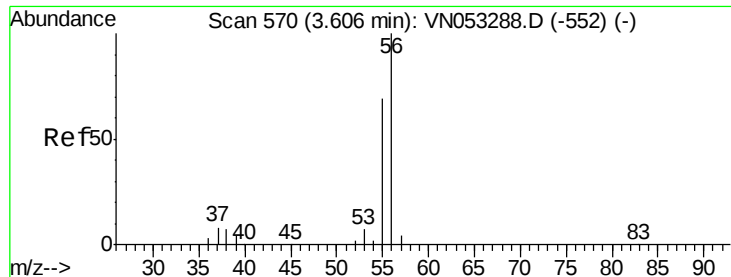
Tgt Ion: 59 Resp: 909
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 0.913 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 96 Resp: 7918
Ion Ratio Lower Upper
96 100
61 157.0 123.2 184.8
98 61.9 50.5 75.7





#13

Acrolein

Concen: 6.237 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

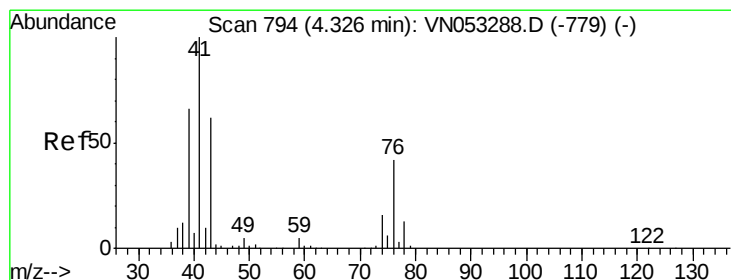
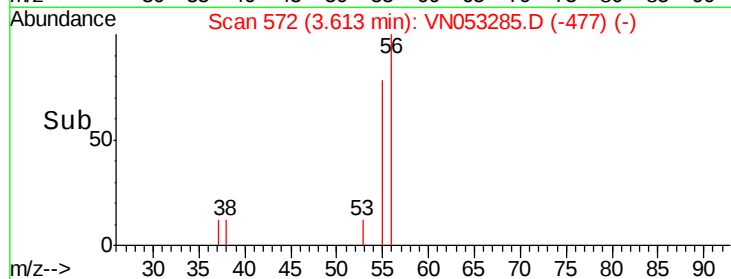
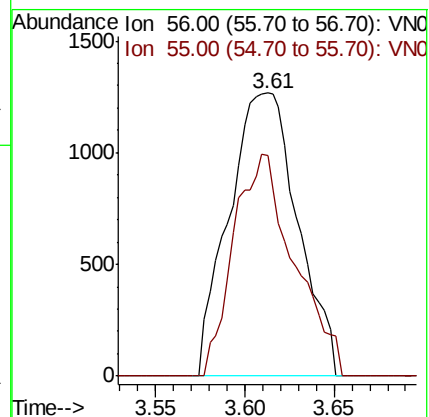
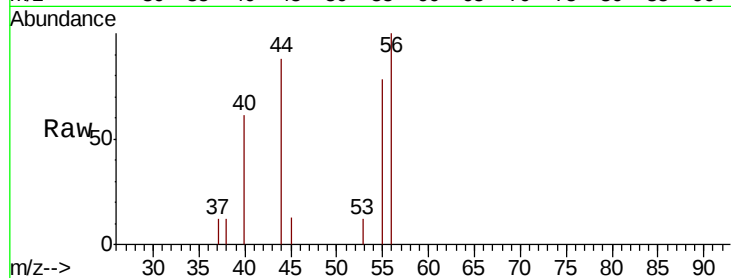
VSTDIC001

Tgt Ion: 56 Resp: 3408

Ion Ratio Lower Upper

56 100

55 69.1 56.3 84.5



#14

Allyl chloride

Concen: 0.942 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

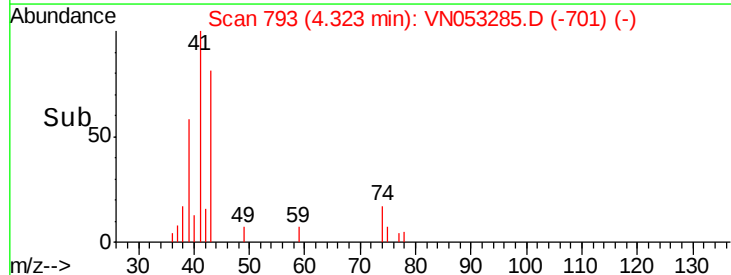
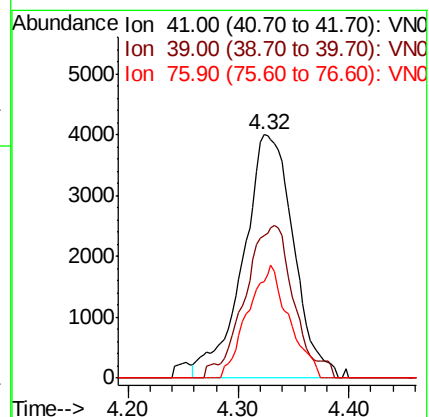
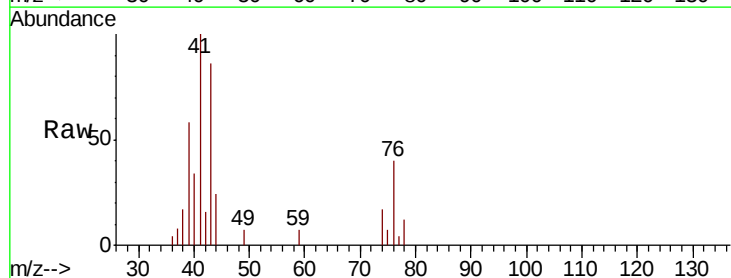
Tgt Ion: 41 Resp: 12683

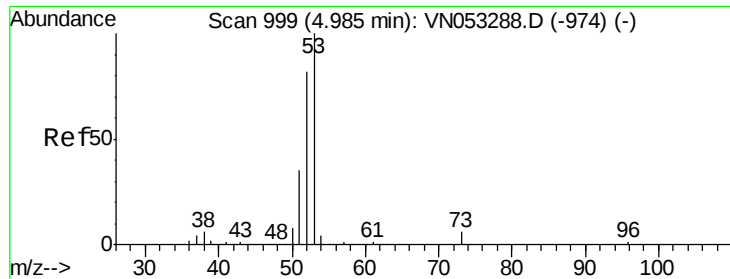
Ion Ratio Lower Upper

41 100

39 60.9 51.9 77.9

76 37.7 31.2 46.8





#15

Acrylonitrile

Concen: 4.440 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

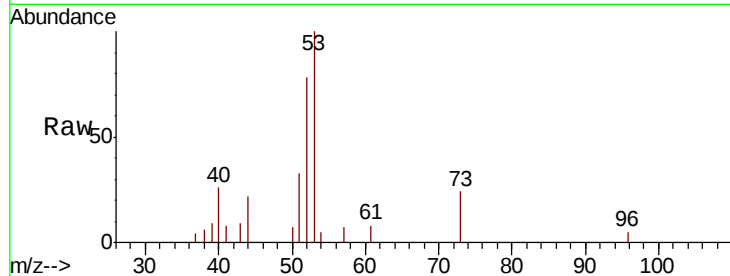
Tgt Ion: 53 Resp: 14196

Ion Ratio Lower Upper

53 100

52 77.6 65.2 97.8

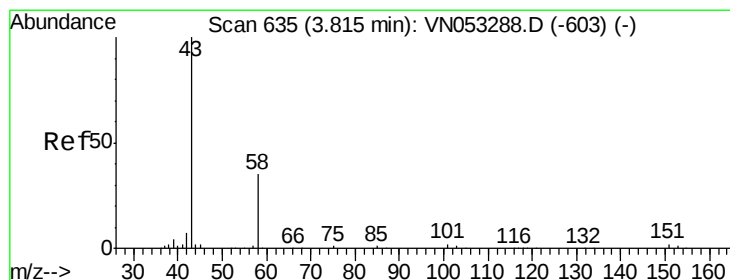
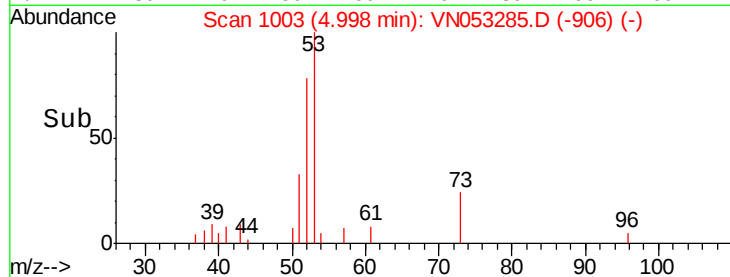
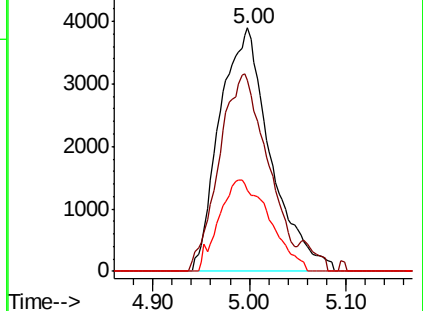
51 37.2 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN053285.D (-1003) (-)

Ion 52.00 (51.70 to 52.70): VN053285.D (-1003) (-)

Ion 51.00 (50.70 to 51.70): VN053285.D (-1003) (-)



#16

Acetone

Concen: 7.741 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053285.D

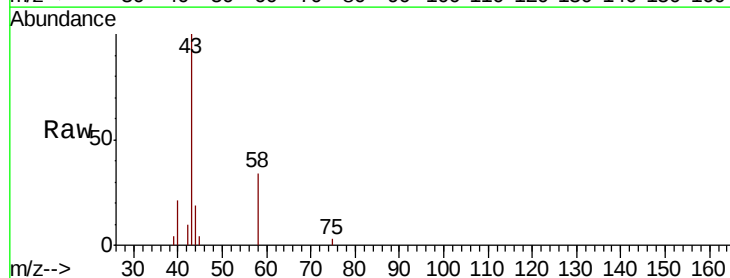
Acq: 4 Jan 2019 16:49

Tgt Ion: 43 Resp: 14788

Ion Ratio Lower Upper

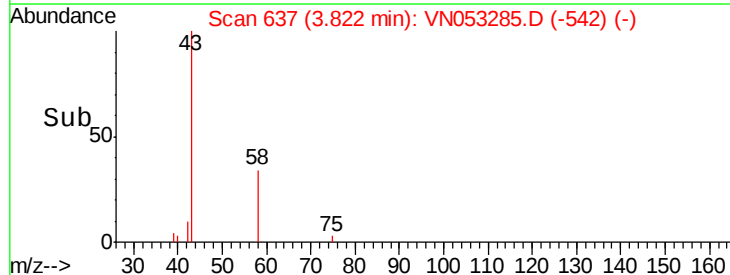
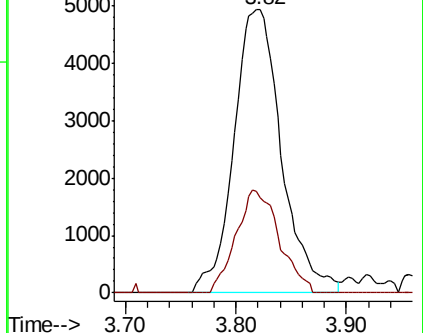
43 100

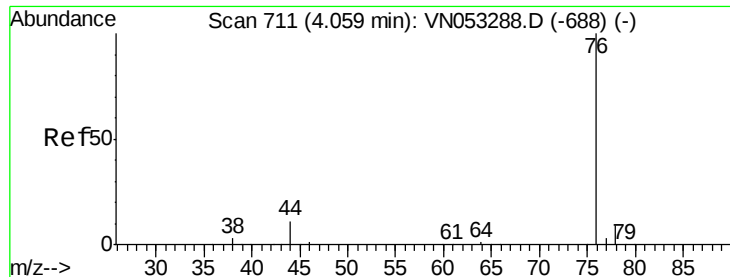
58 33.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053285.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053285.D (-542) (-)

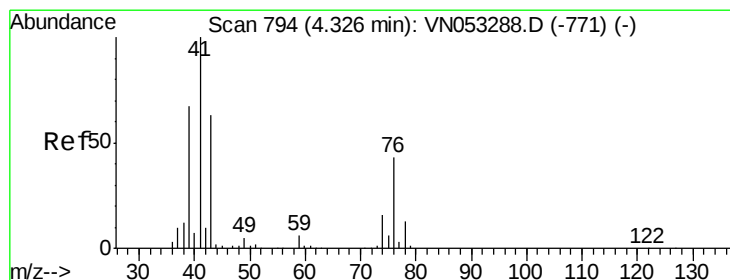
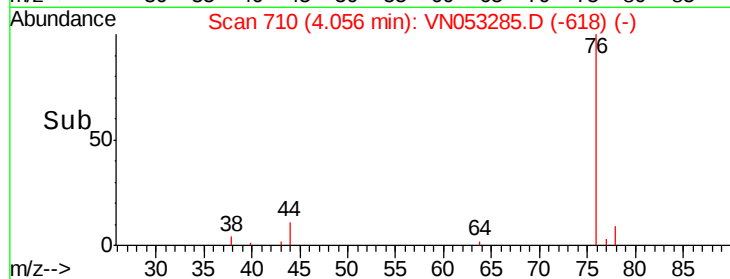
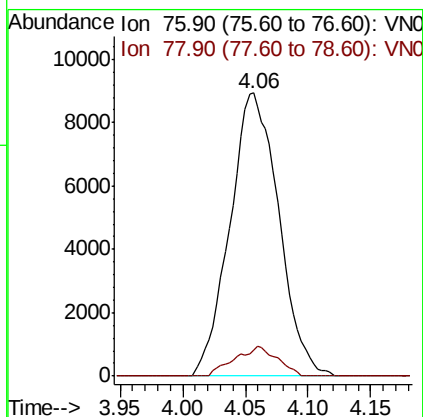
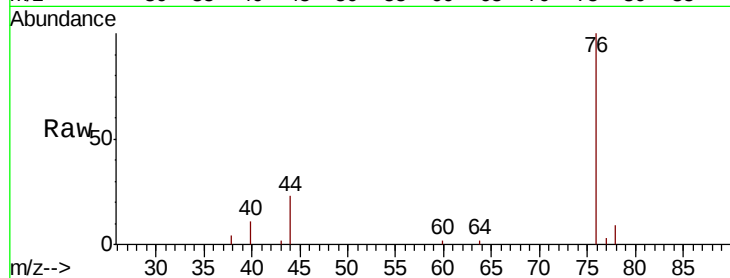




#17
Carbon Disulfide
Concen: 0.855 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

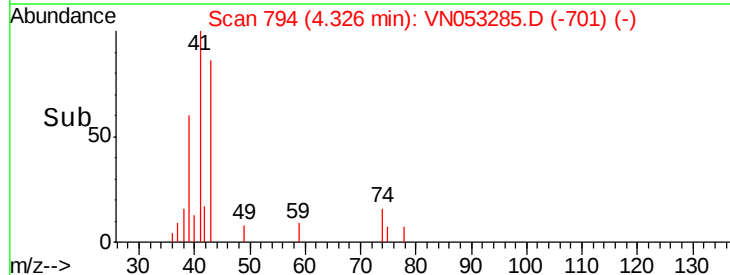
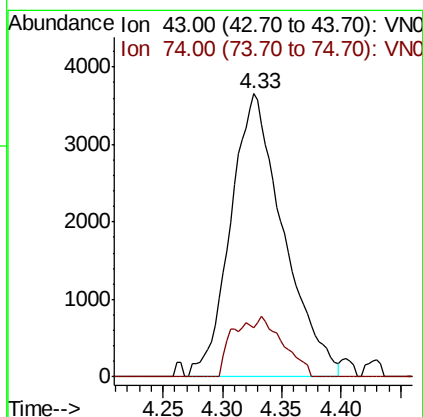
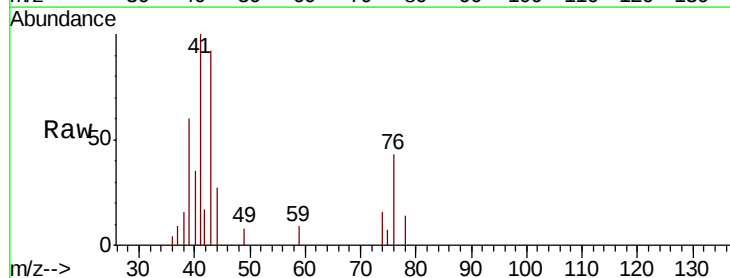
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

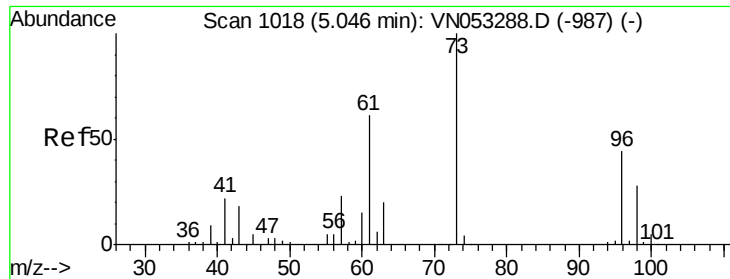
Tgt Ion: 76 Resp: 24111
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 1.322 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 43 Resp: 11236
Ion Ratio Lower Upper
43 100
74 8.9 19.8 29.8#

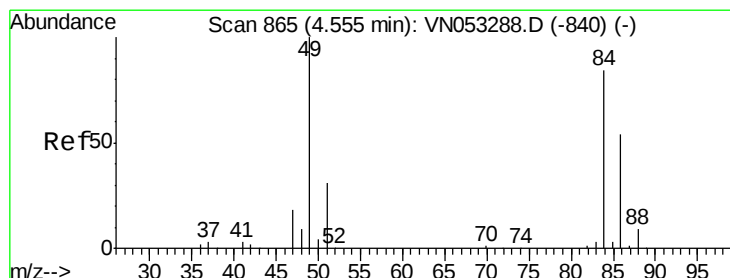
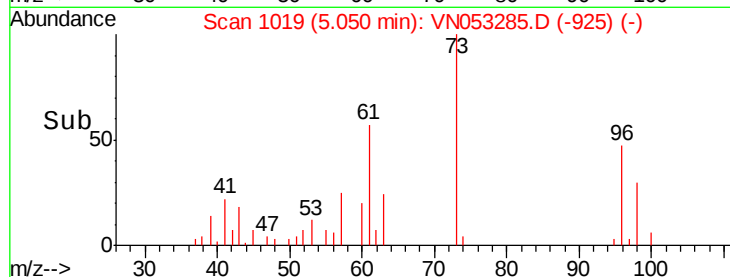
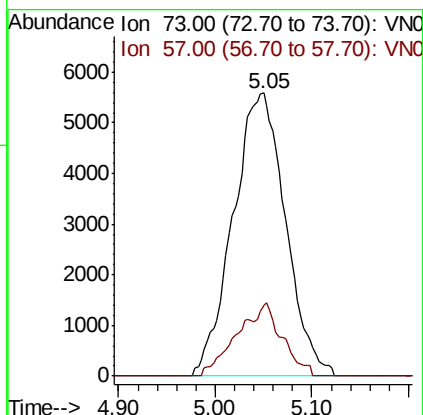
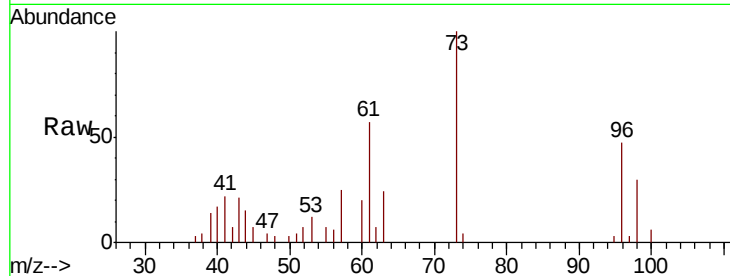




#19
Methyl tert-butyl Ether
Concen: 0.900 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

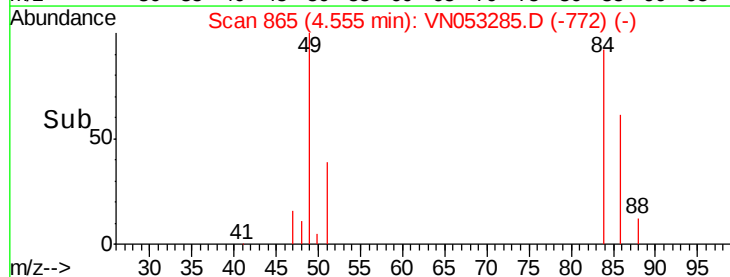
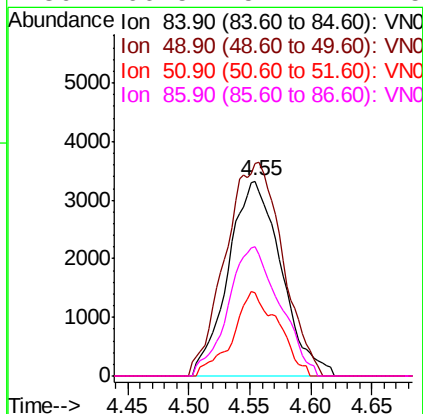
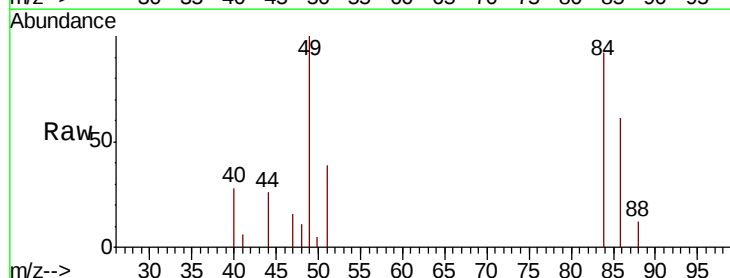
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

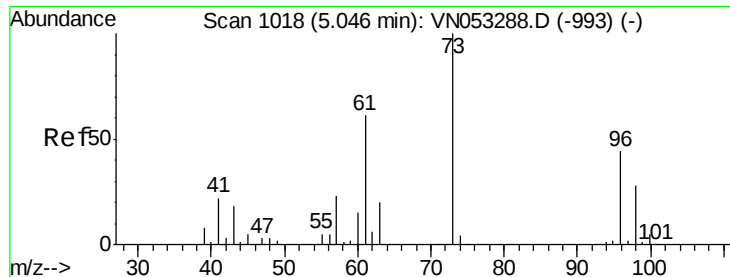
Tgt Ion: 73 Resp: 21054
Ion Ratio Lower Upper
73 100
57 25.2 18.5 27.7



#20
Methylene Chloride
Concen: 1.008 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 84 Resp: 10015
Ion Ratio Lower Upper
84 100
49 109.0 95.3 142.9
51 42.9 29.0 43.6
86 66.5 51.7 77.5

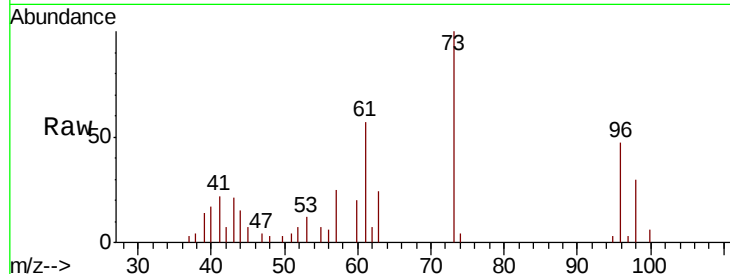




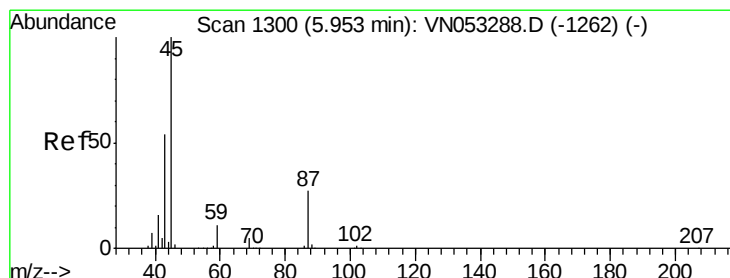
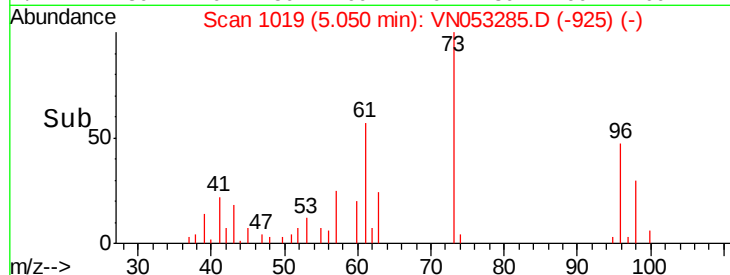
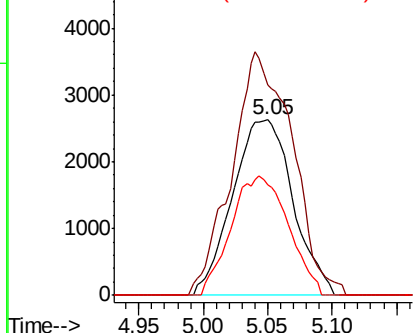
#21
trans-1,2-Dichloroethene
Concen: 0.917 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 96 Resp: 8570
Ion Ratio Lower Upper
96 100
61 120.4 110.2 165.4
98 63.0 50.7 76.1

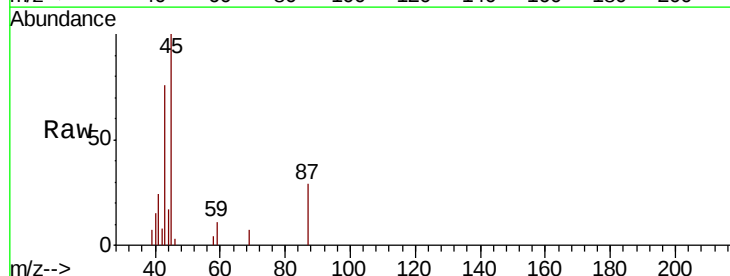


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

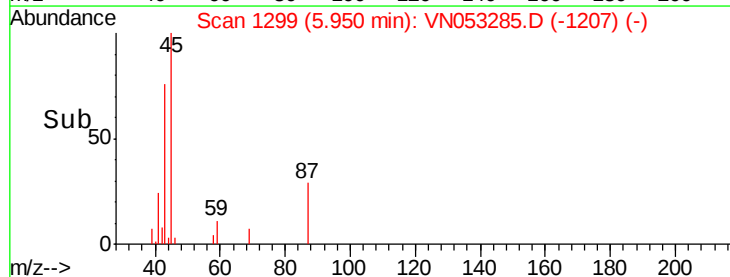
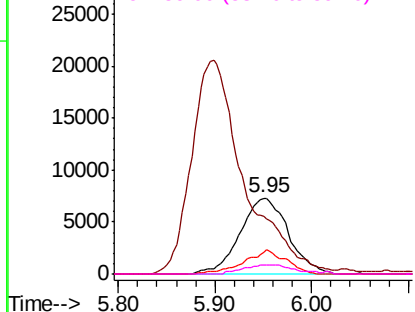


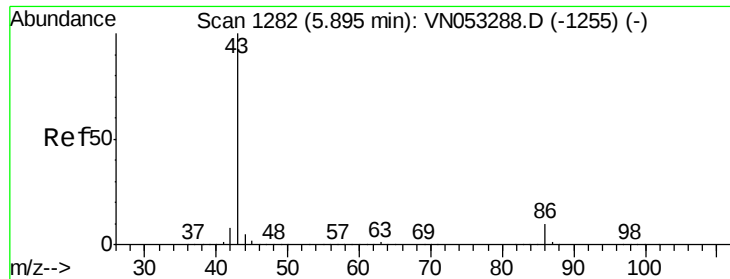
#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 45 Resp: 25182
Ion Ratio Lower Upper
45 100
43 70.5 43.0 64.6#
87 29.1 22.1 33.1
59 11.4 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

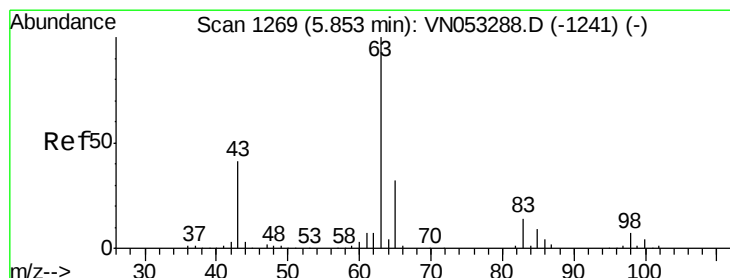
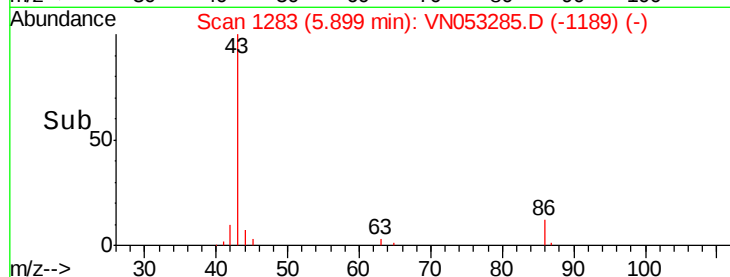
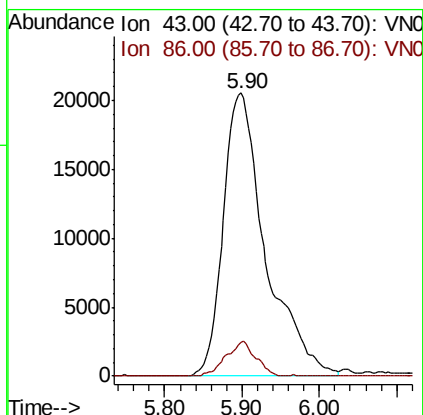
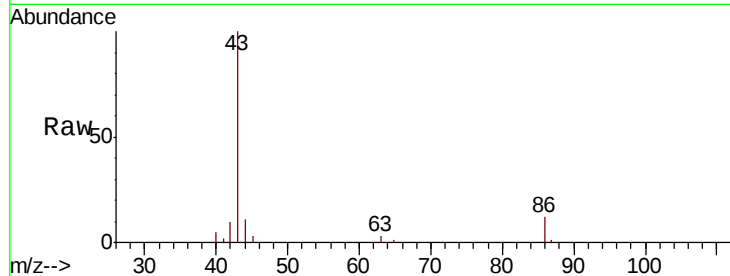




#23
 Vinyl Acetate
 Concen: 4.572 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

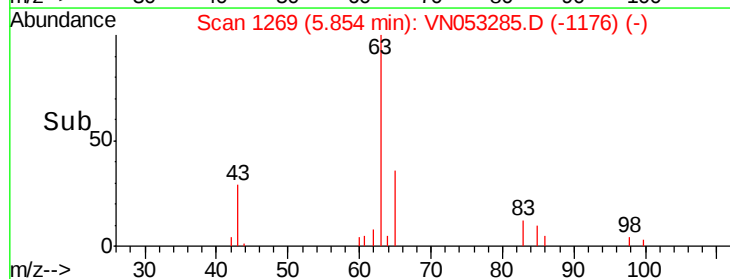
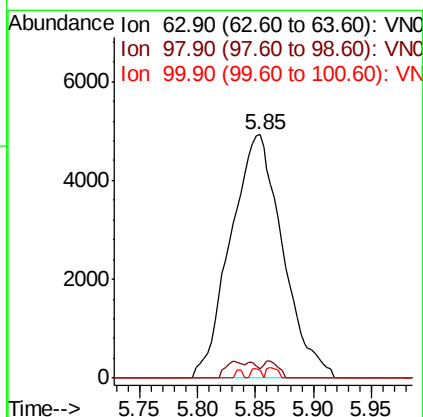
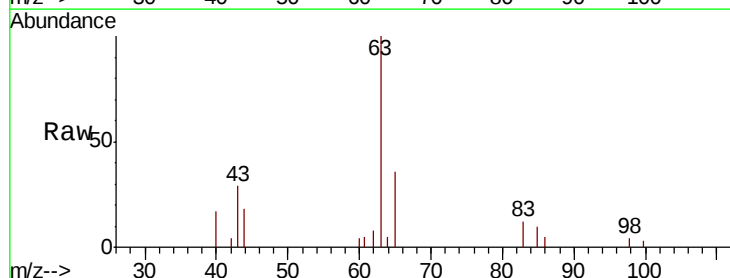
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

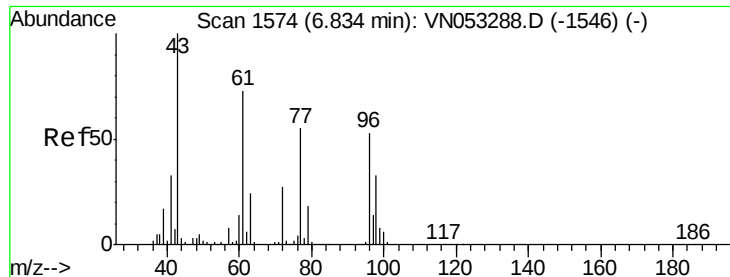
Tgt Ion: 43 Resp: 77934
 Ion Ratio Lower Upper
 43 100
 86 11.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 0.896 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 63 Resp: 15328
 Ion Ratio Lower Upper
 63 100
 98 3.9 3.3 9.8
 100 3.1 2.1 6.5

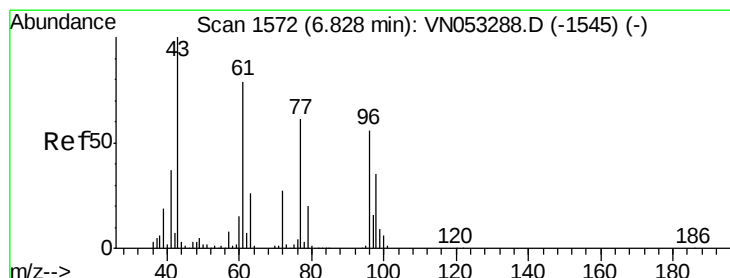
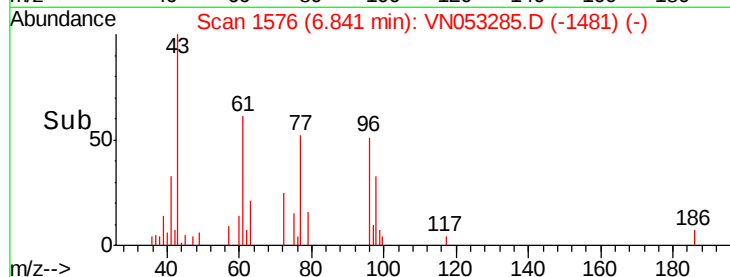
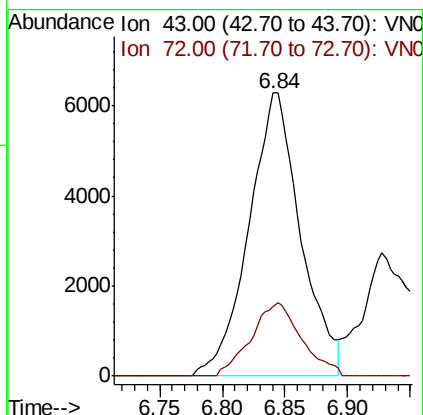
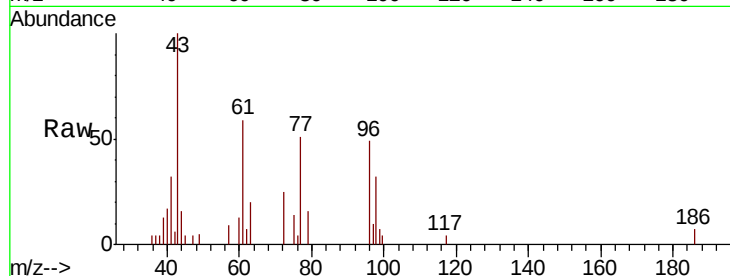




#25
2-Butanone
Concen: 5.688 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

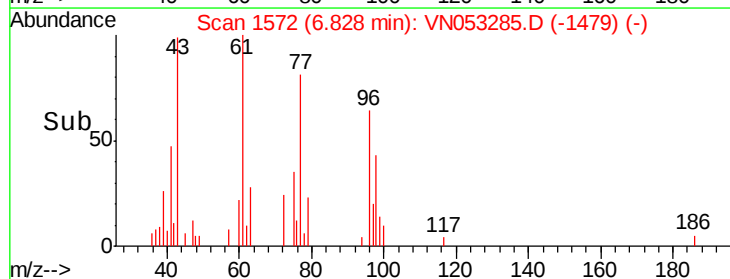
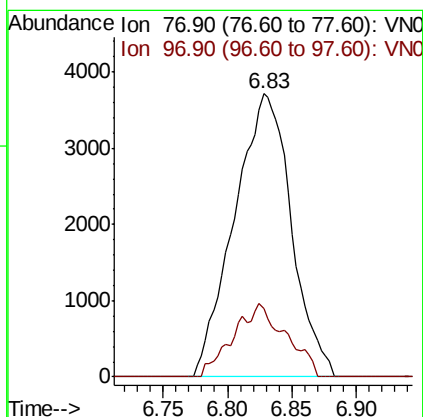
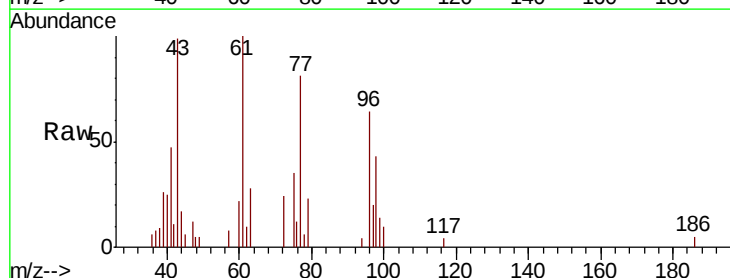
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

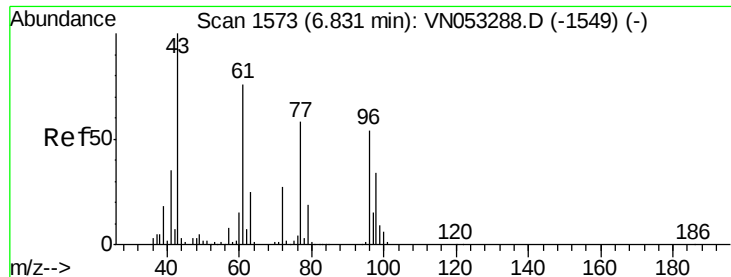
Tgt Ion: 43 Resp: 18058
Ion Ratio Lower Upper
43 100
72 24.8 22.0 33.0



#26
2,2-Dichloropropane
Concen: 0.881 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 77 Resp: 11419
Ion Ratio Lower Upper
77 100
97 14.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 0.902 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

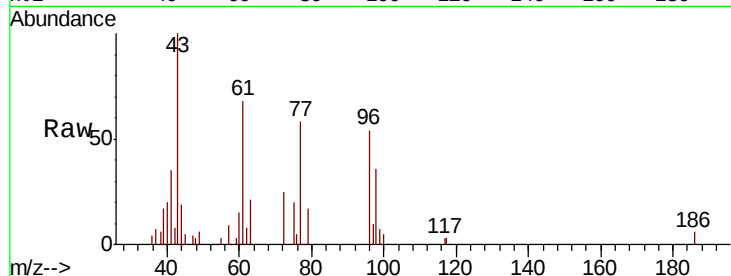
Tgt Ion: 96 Resp: 9543

Ion Ratio Lower Upper

96 100

61 139.9 0.0 280.6

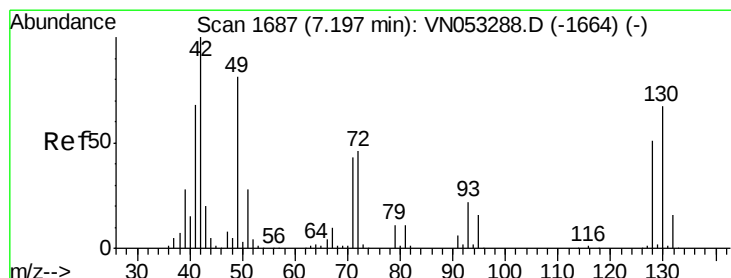
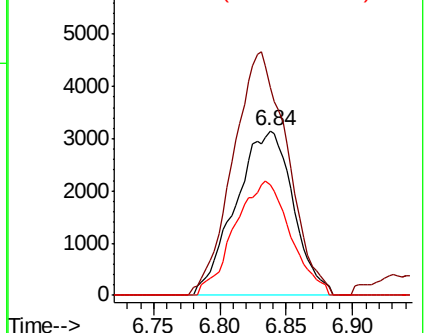
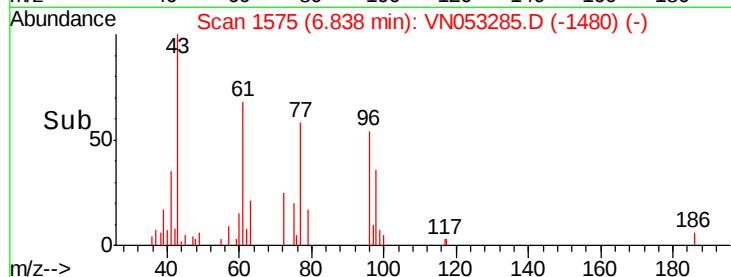
98 67.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN053285.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053285.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053285.D (-1480) (-)



#28

Bromochloromethane

Concen: 0.504 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

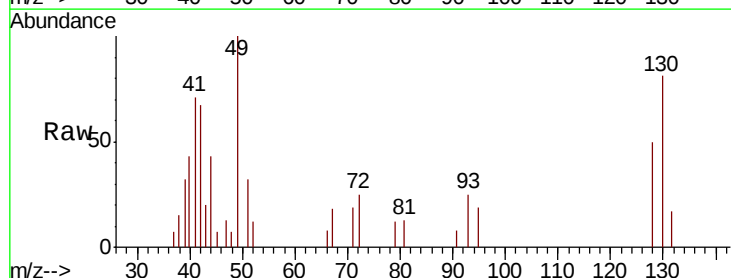
Tgt Ion: 49 Resp: 3741

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

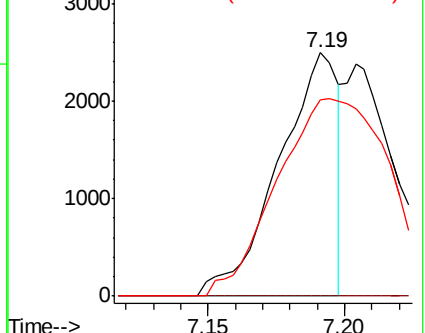
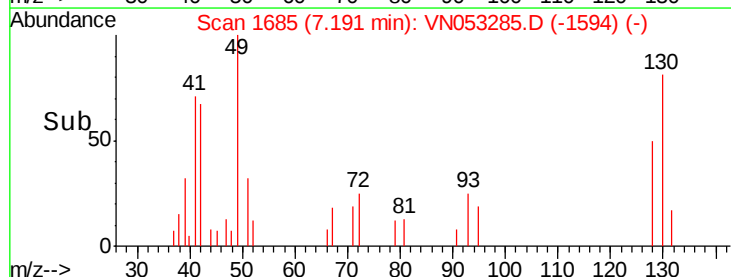
130 155.9 65.4 98.0#

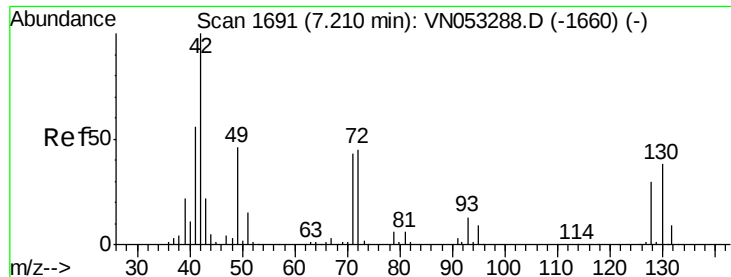


Abundance Ion 48.90 (48.60 to 49.60): VN053285.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053285.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053285.D (-1594) (-)

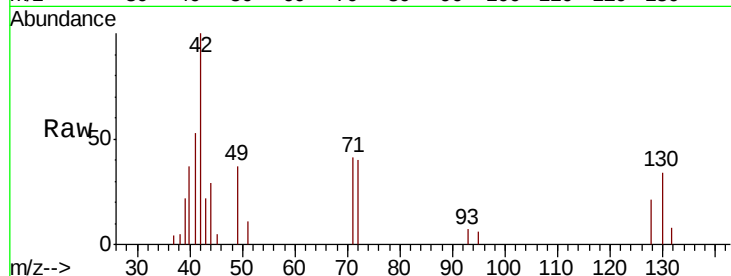




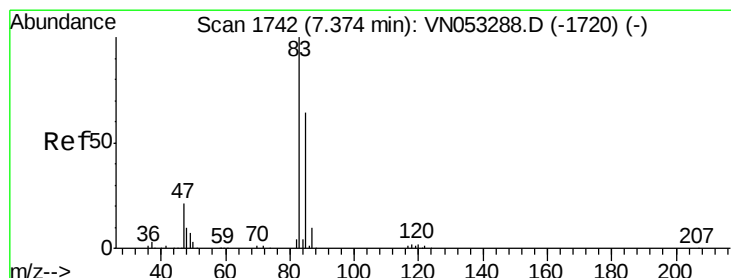
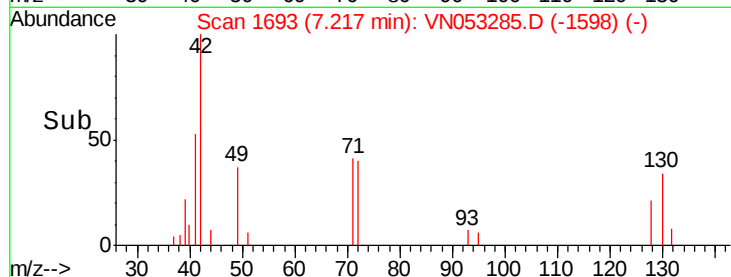
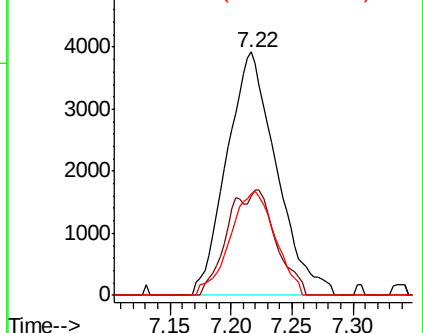
#29
Tetrahydrofuran
Concen: 4.765 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion: 42 Resp: 11072
Ion Ratio Lower Upper
42 100
72 17.2 35.6 53.4#
71 38.9 33.8 50.8

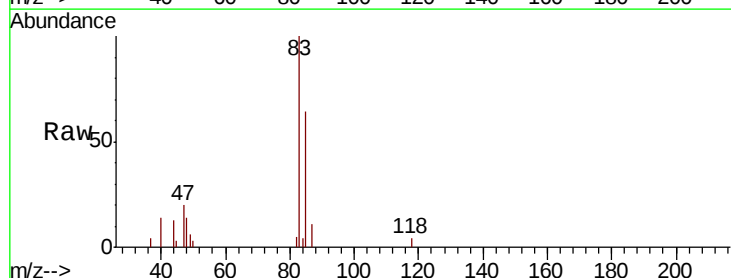


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

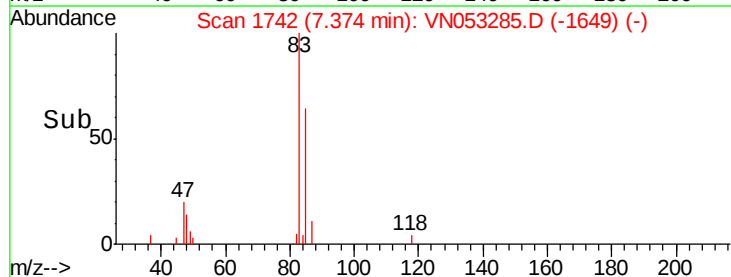
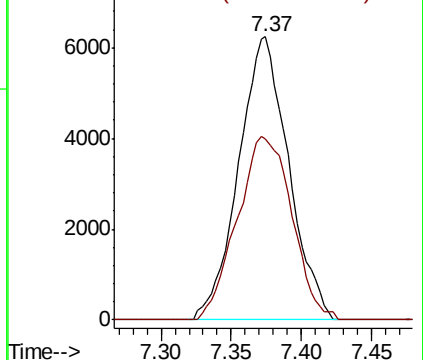


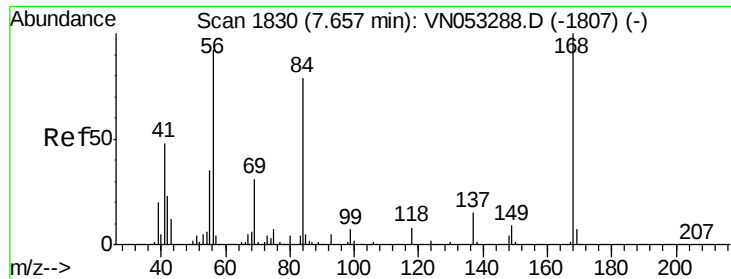
#30
Chloroform
Concen: 0.919 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 83 Resp: 15434
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

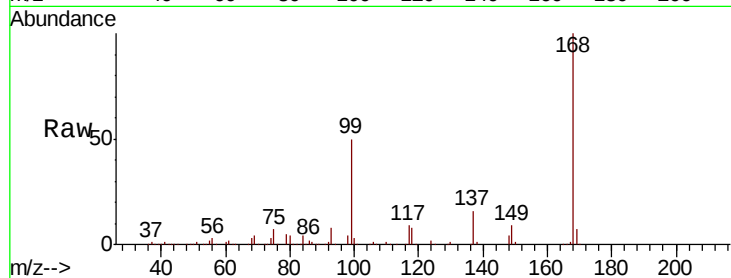




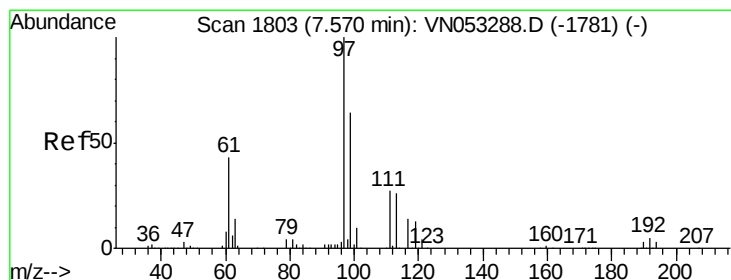
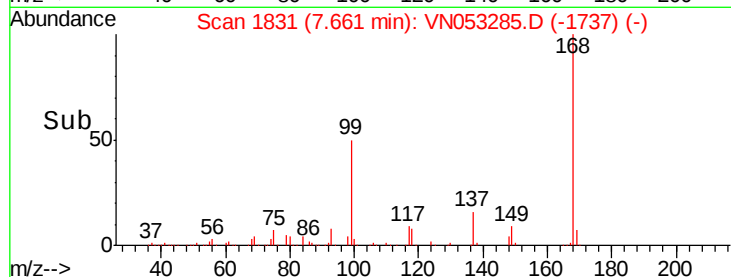
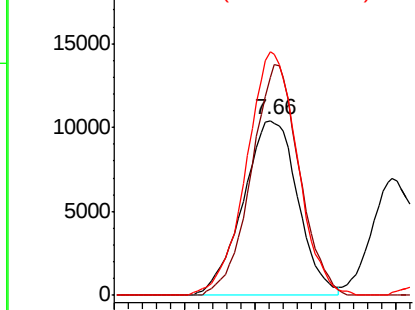
#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion: 56 Resp: 28205
Ion Ratio Lower Upper
56 100
69 124.6 26.7 40.1#
84 139.2 68.2 102.4#

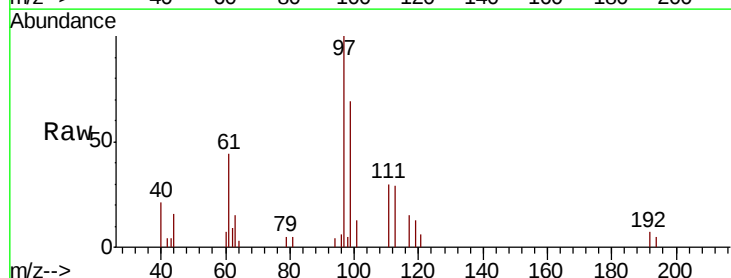


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

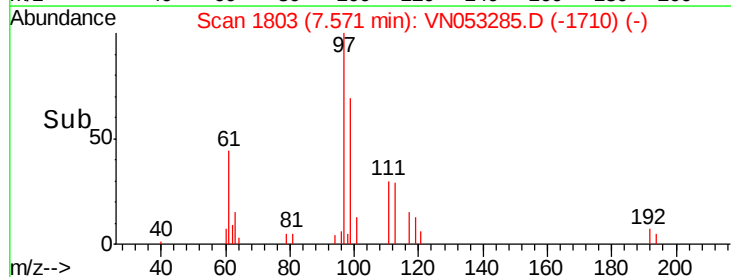
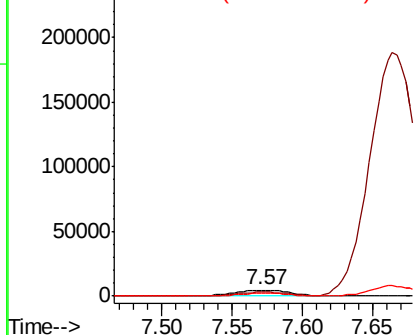


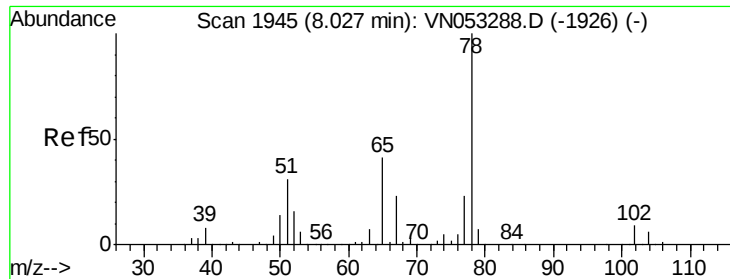
#32
1,1,1-Trichloroethane
Concen: 0.892 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 97 Resp: 12725
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 45.1 34.6 52.0



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





#33

1,2-Dichloroethane-d4

Concen: 0.892 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

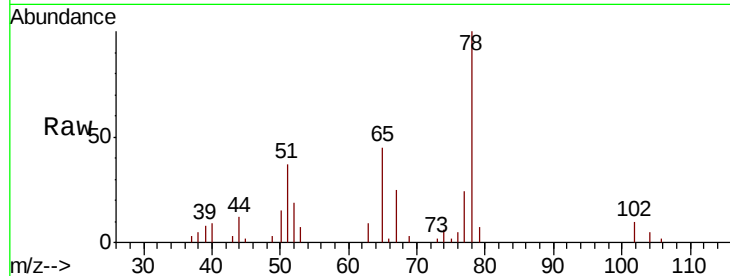
VSTDIC001

Tgt Ion: 65 Resp: 9897

Ion Ratio Lower Upper

65 100

67 53.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053285.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN053285.D (-1926) (-)

8.03

4000

3000

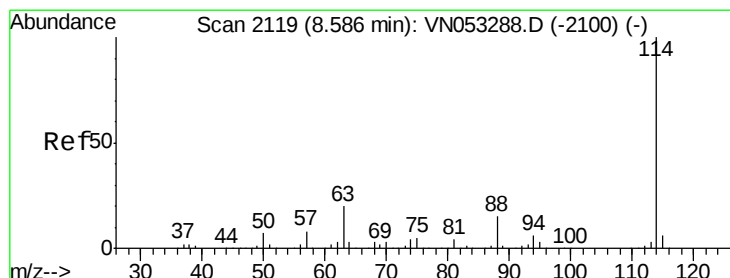
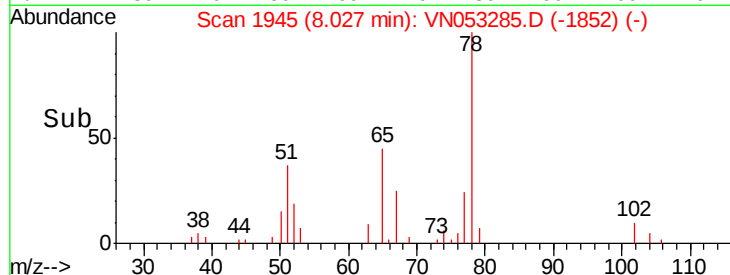
2000

1000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

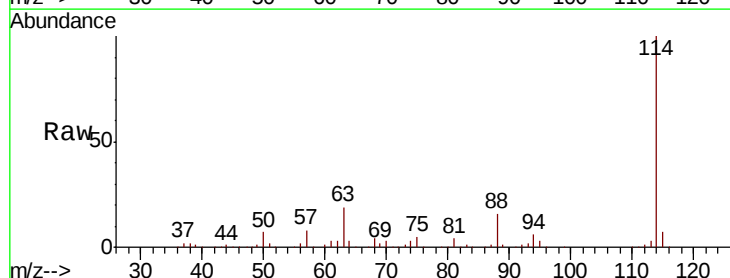
Tgt Ion: 114 Resp: 1384075

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 15.6 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053285.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053285.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053285.D (-2100) (-)

8.59

800000

600000

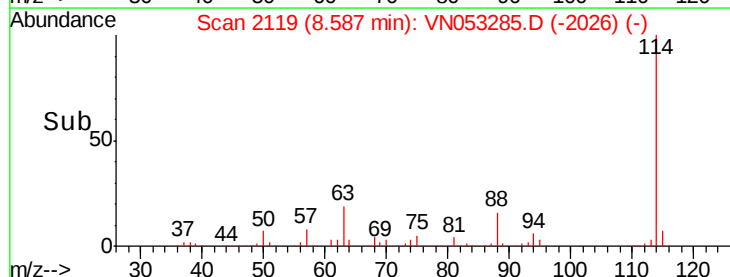
400000

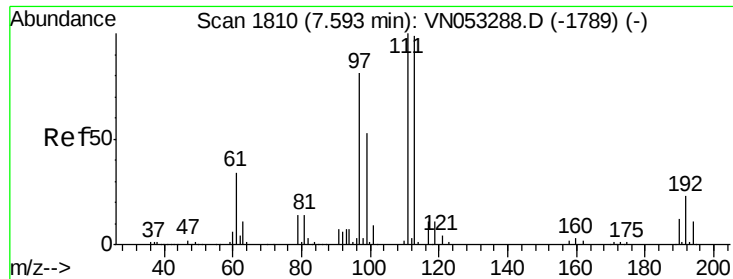
200000

0

8.50 8.60 8.70

Time-->

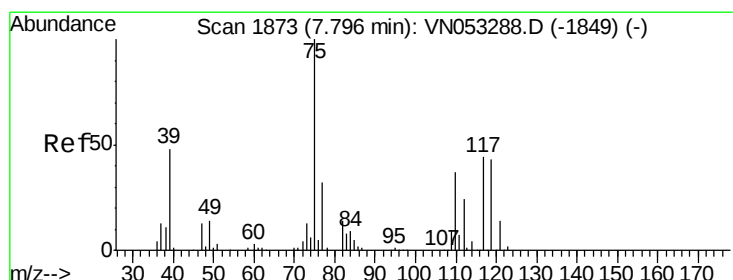
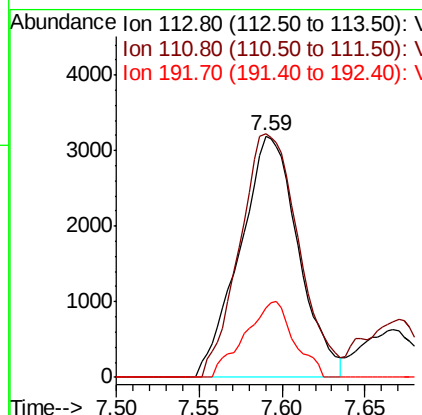
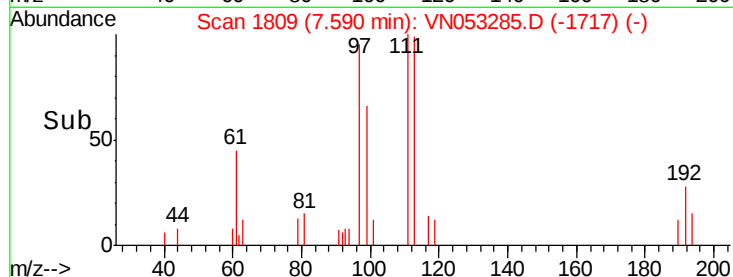
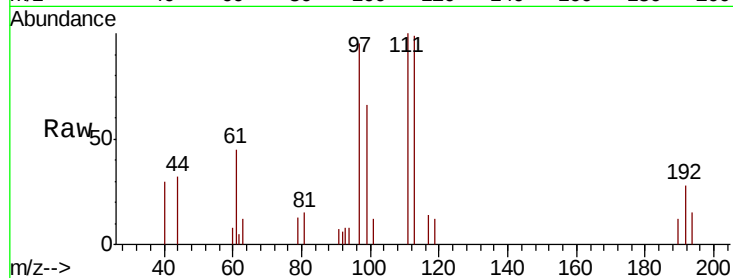




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

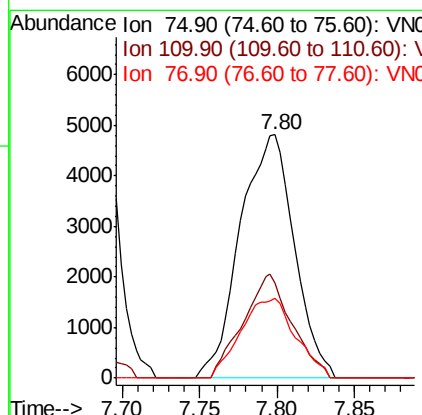
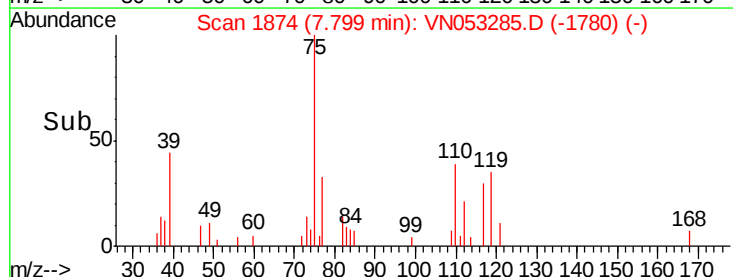
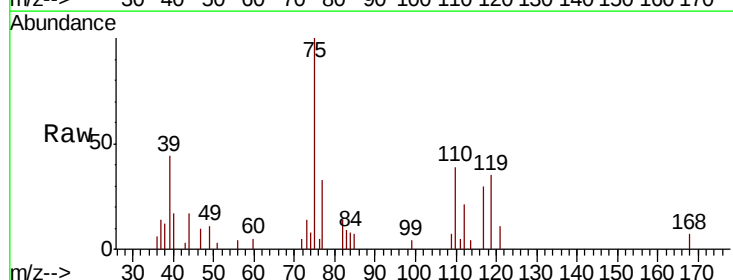
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

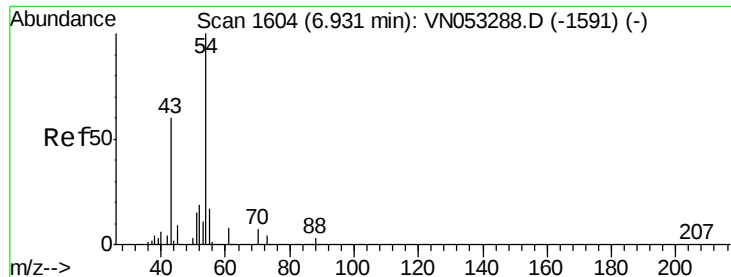
Tgt Ion:113 Resp: 7816
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 26.4 17.9 26.9



#36
1,1-Dichloropropene
Concen: 0.880 ug/l
RT: 7.80 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 75 Resp: 11679
Ion Ratio Lower Upper
75 100
110 38.6 18.4 55.0
77 33.2 25.3 37.9

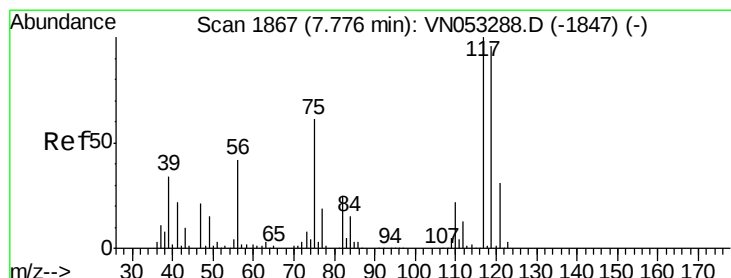
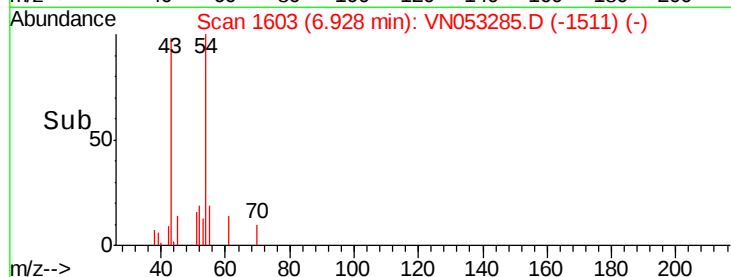
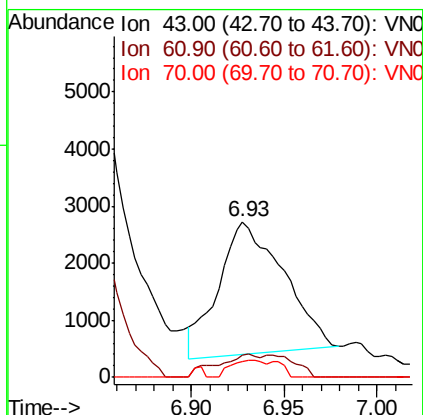
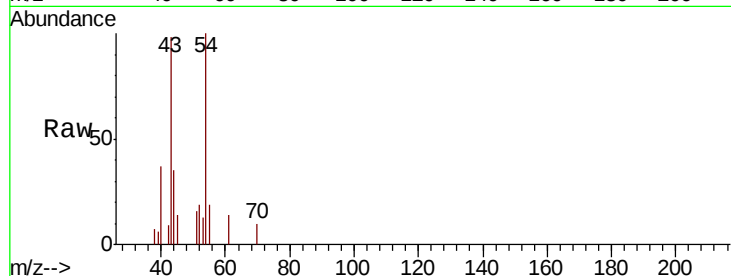




#37
 Ethyl Acetate
 Concen: 0.747 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

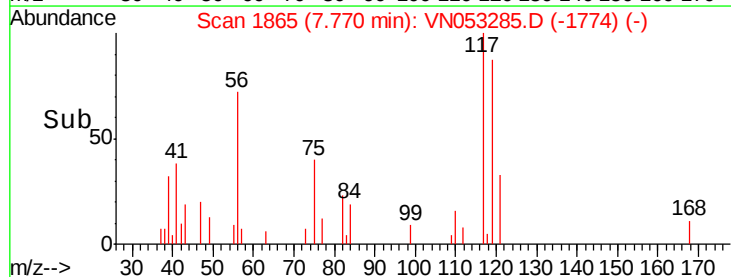
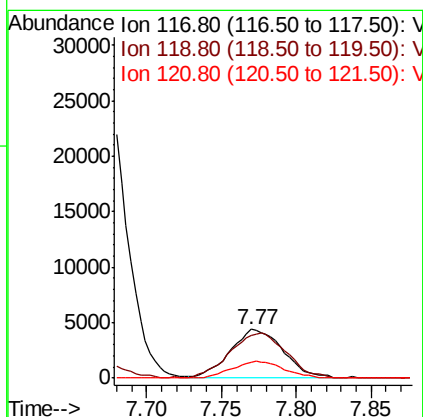
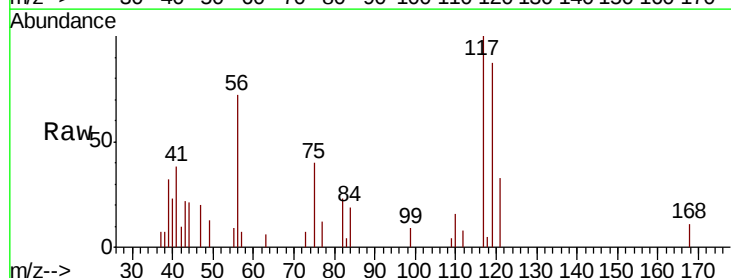
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

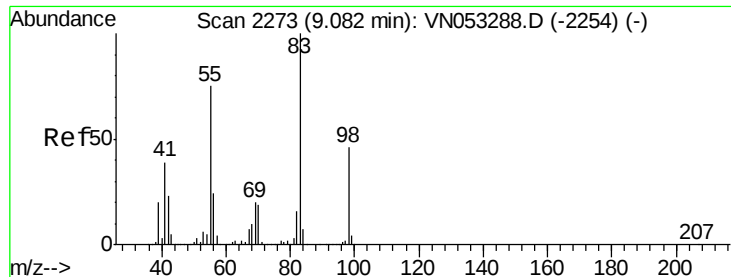
Tgt Ion: 43 Resp: 5651
 Ion Ratio Lower Upper
 43 100
 61 11.5 11.9 17.9#
 70 6.8 8.6 13.0#



#38
 Carbon Tetrachloride
 Concen: 0.899 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 117 Resp: 10924
 Ion Ratio Lower Upper
 117 100
 119 86.7 76.6 115.0
 121 32.6 25.0 37.4

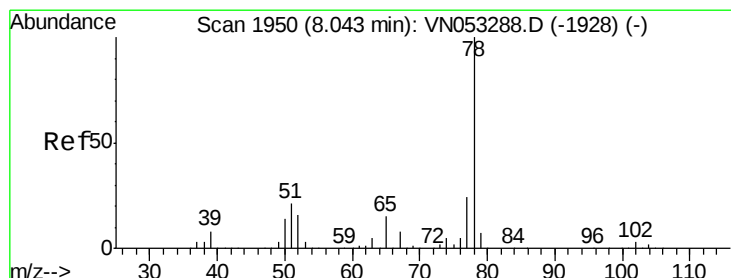
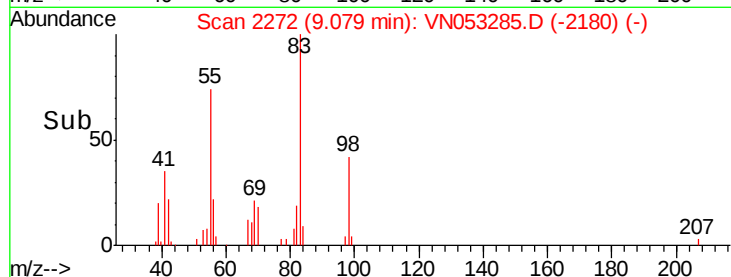
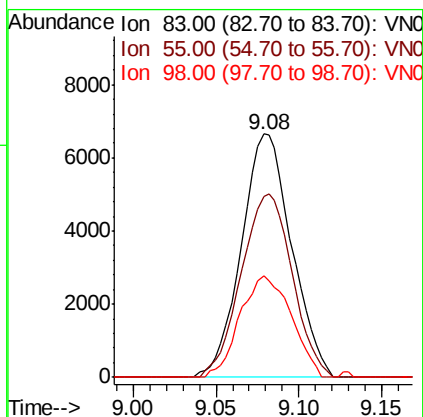
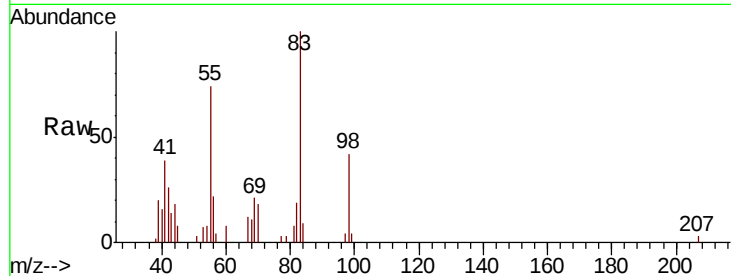




#39
Methylcyclohexane
Concen: 0.873 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

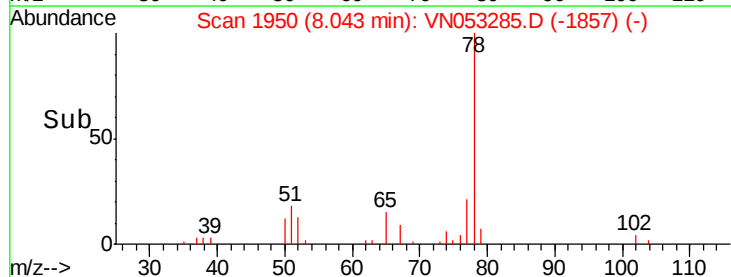
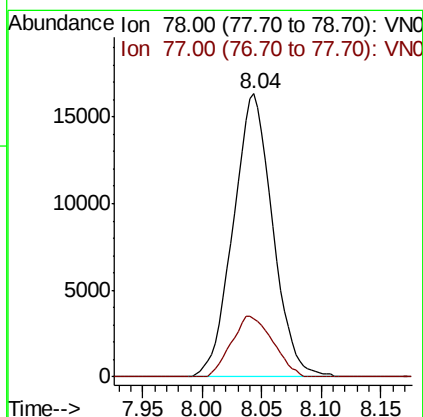
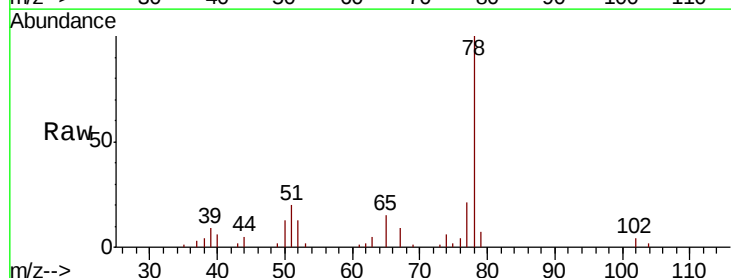
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

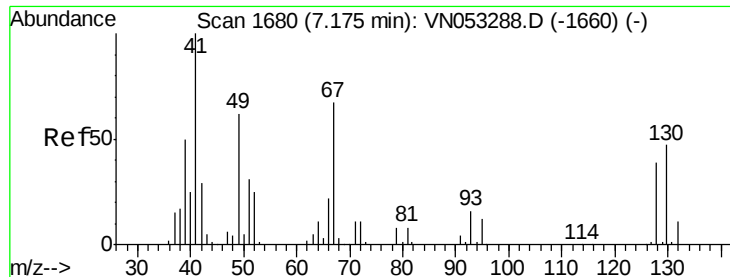
Tgt Ion: 83 Resp: 13998
Ion Ratio Lower Upper
83 100
55 74.1 60.1 90.1
98 41.9 36.7 55.1



#40
Benzene
Concen: 0.947 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 78 Resp: 37490
Ion Ratio Lower Upper
78 100
77 20.6 19.0 28.4

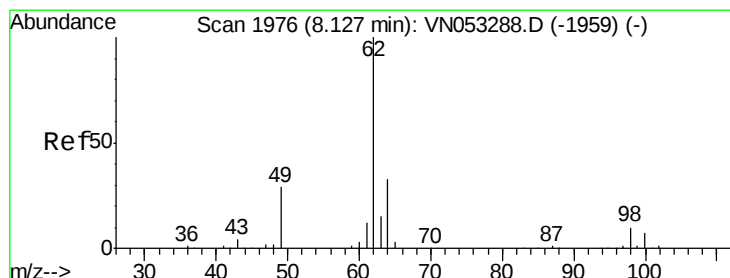
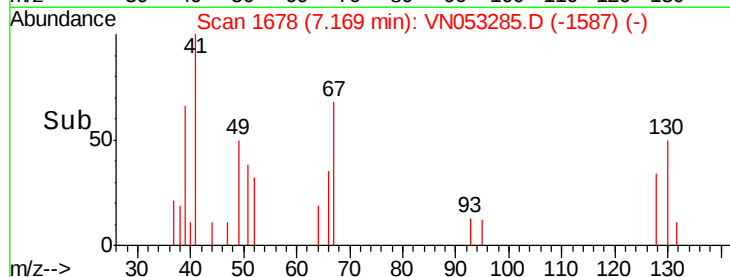
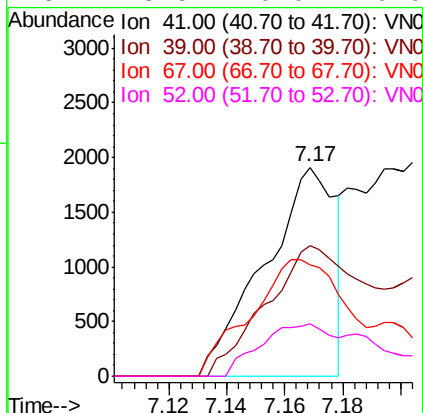
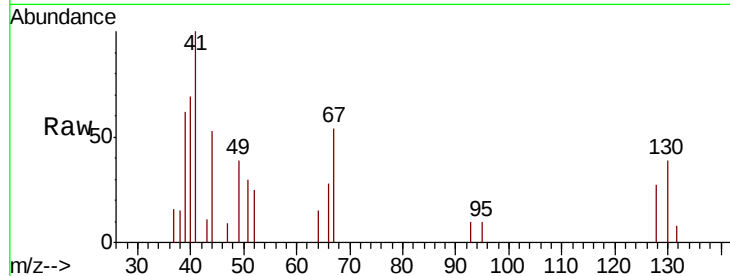




#41
Methacrylonitrile
Concen: 0.752 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

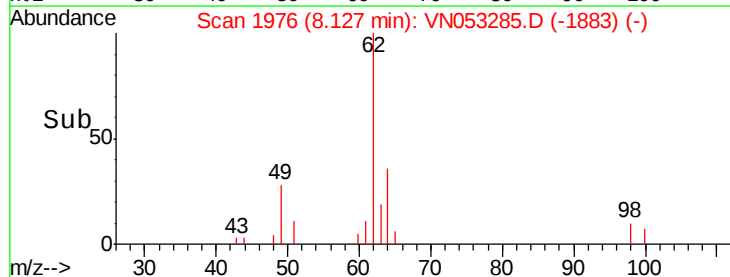
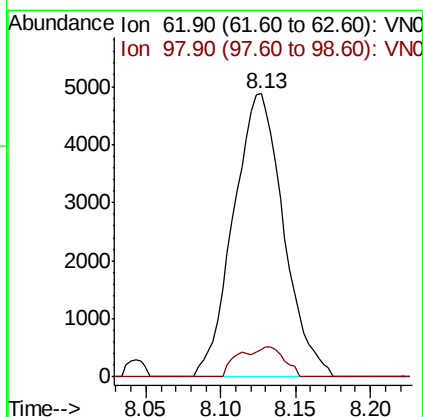
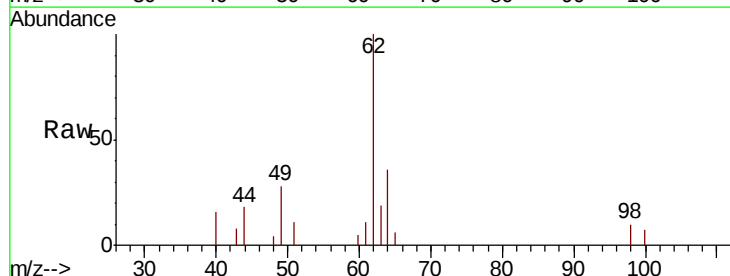
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

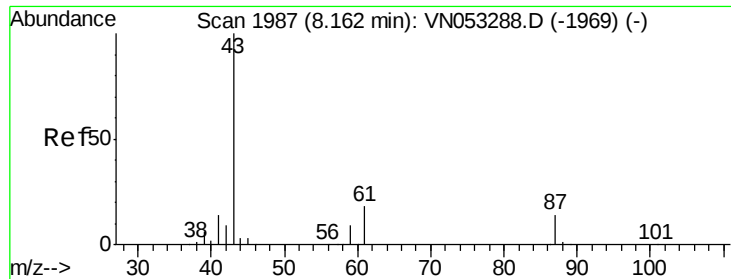
Tgt Ion: 41 Resp: 3240
Ion Ratio Lower Upper
41 100
39 86.8 0.0 0.0#
67 75.9 0.0 0.0#
52 25.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 0.972 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 62 Resp: 11353
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 1.112 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

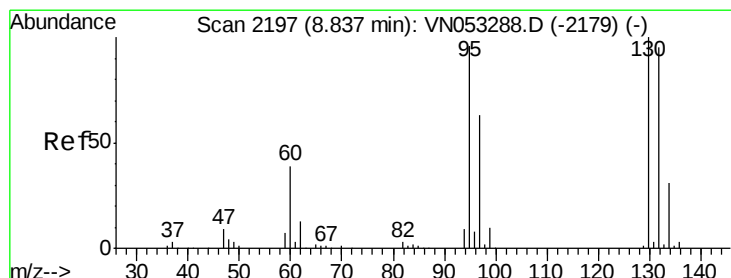
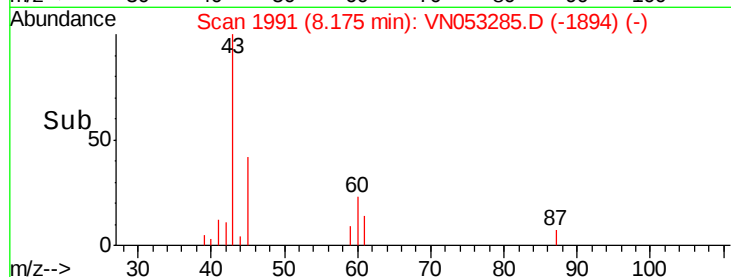
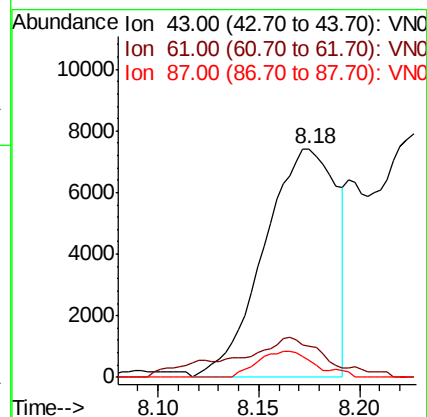
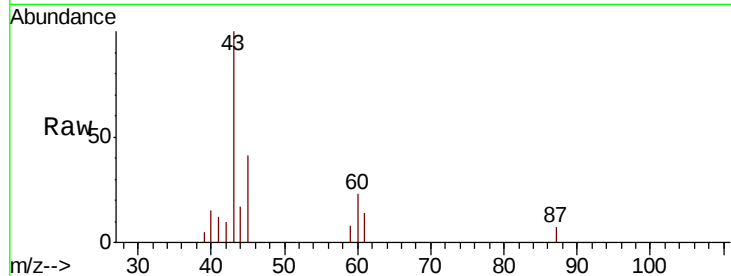
Tgt Ion: 43 Resp: 18514

Ion Ratio Lower Upper

43 100

61 15.4 23.3 34.9#

87 8.3 10.8 16.2#



#44

Trichloroethene

Concen: 0.915 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053285.D

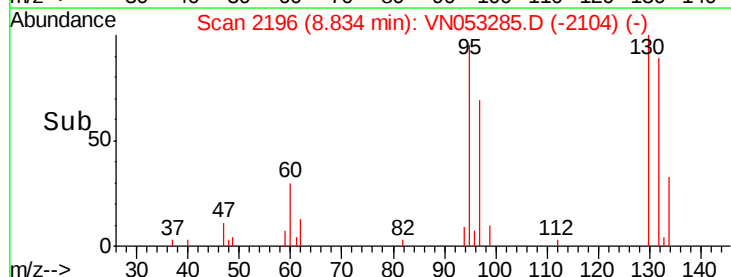
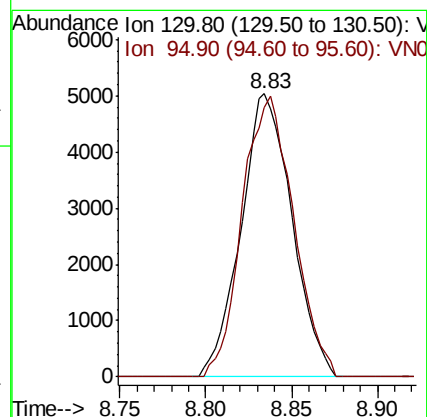
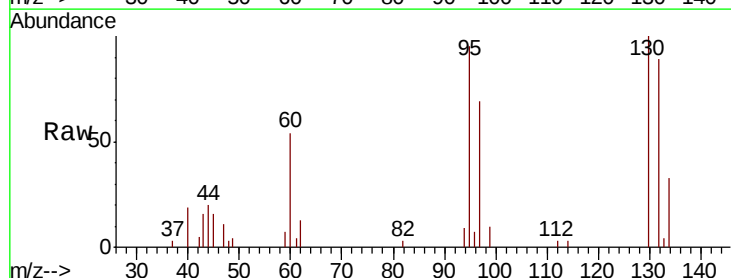
Acq: 4 Jan 2019 16:49

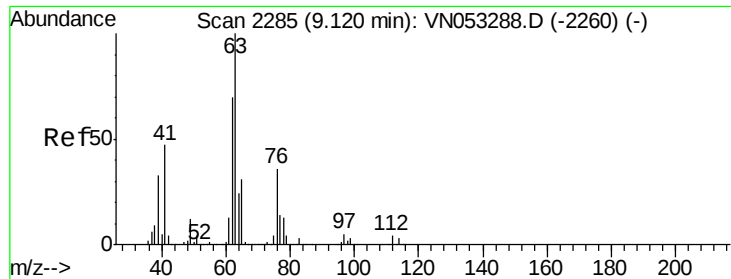
Tgt Ion: 130 Resp: 10368

Ion Ratio Lower Upper

130 100

95 95.1 0.0 191.8

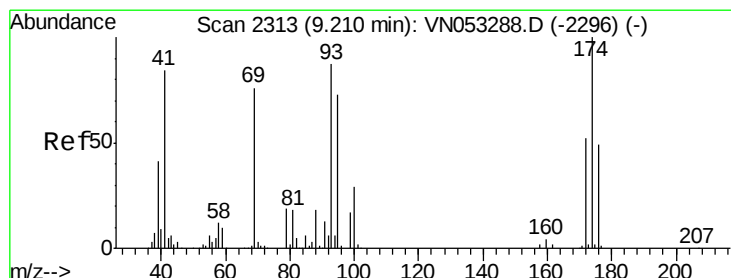
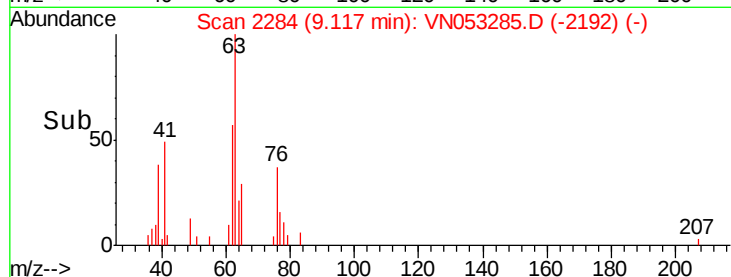
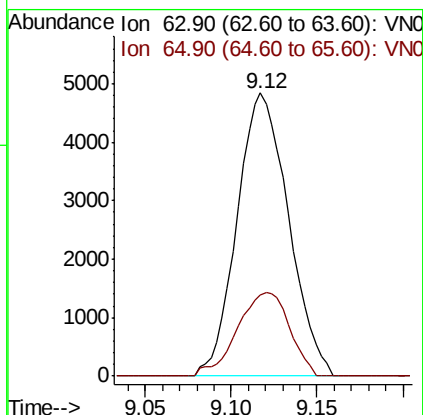
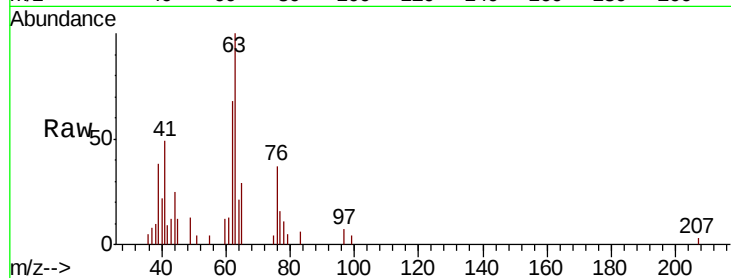




#45
 1,2-Dichloropropane
 Concen: 0.972 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

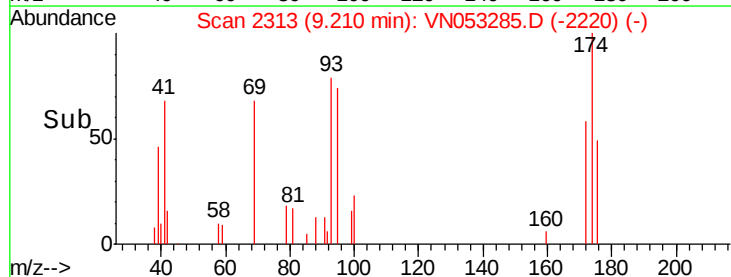
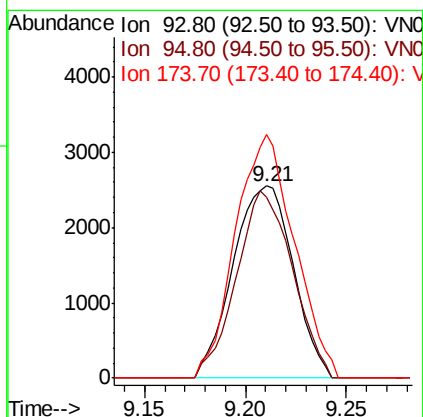
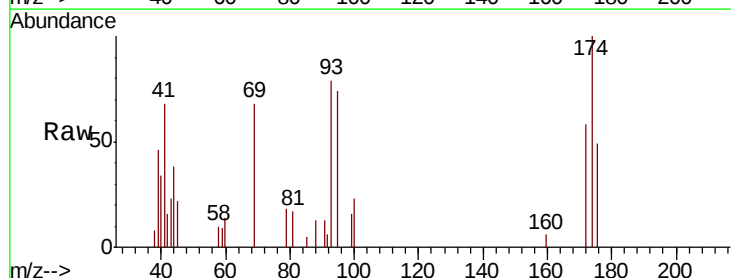
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

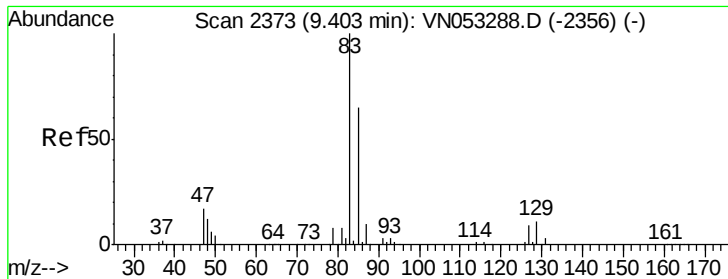
Tgt Ion: 63 Resp: 10025
 Ion Ratio Lower Upper
 63 100
 65 28.8 25.0 37.6



#46
 Dibromomethane
 Concen: 0.884 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 93 Resp: 5324
 Ion Ratio Lower Upper
 93 100
 95 90.6 66.6 100.0
 174 123.8 91.4 137.0





#47

Bromodichloromethane

Concen: 0.912 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

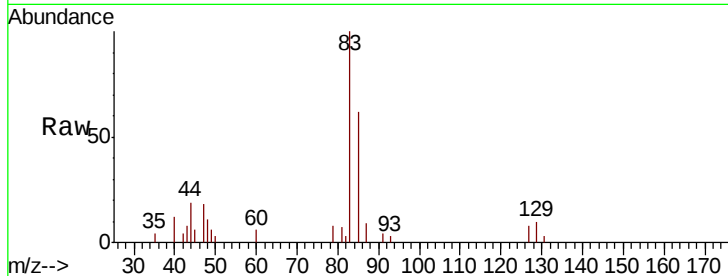
Tgt Ion: 83 Resp: 11610

Ion Ratio Lower Upper

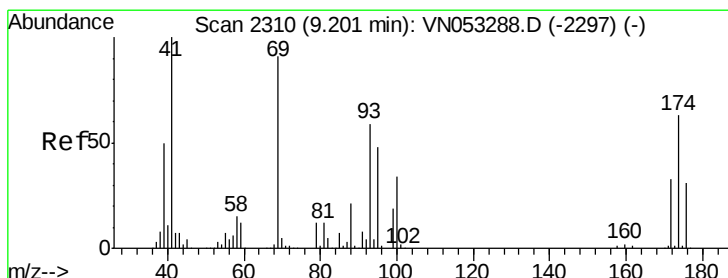
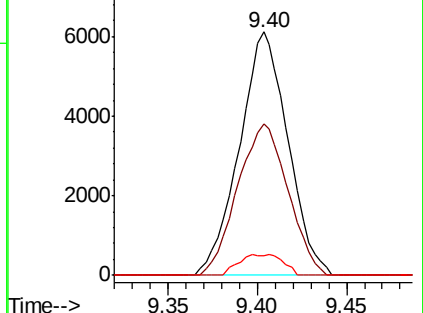
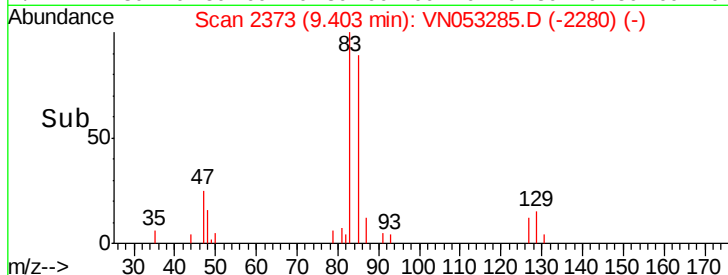
83 100

85 62.2 51.7 77.5

127 8.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053285.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.877 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

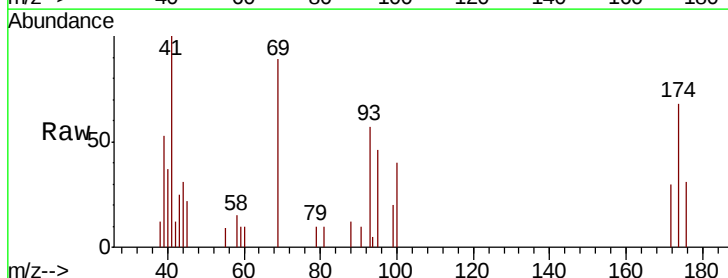
Tgt Ion: 41 Resp: 6390

Ion Ratio Lower Upper

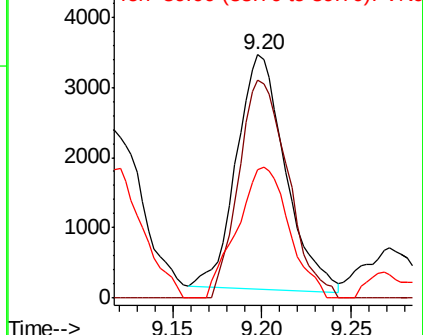
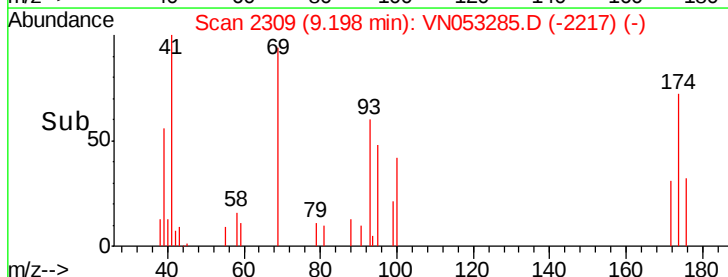
41 100

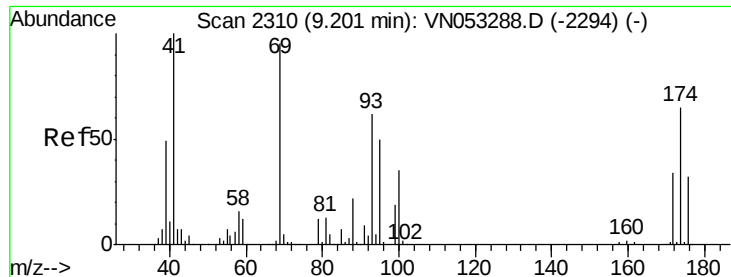
69 93.3 73.5 110.3

39 59.4 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053285.D (-2217) (-)





#49

1,4-Dioxane

Concen: 9.444 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

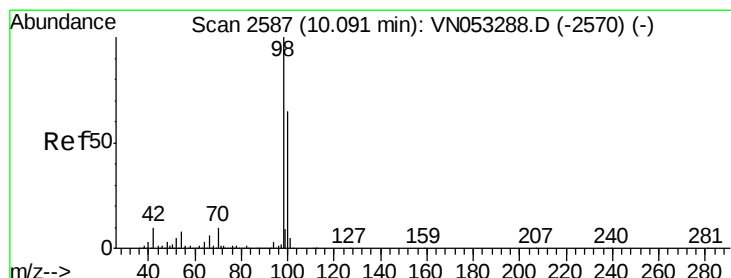
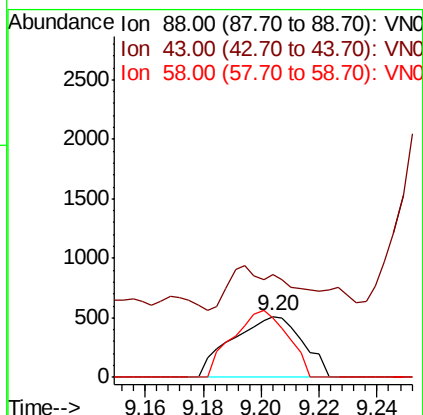
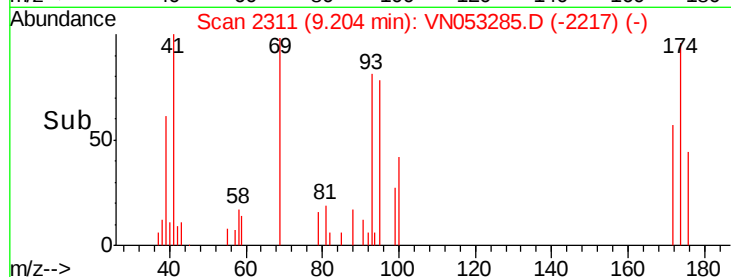
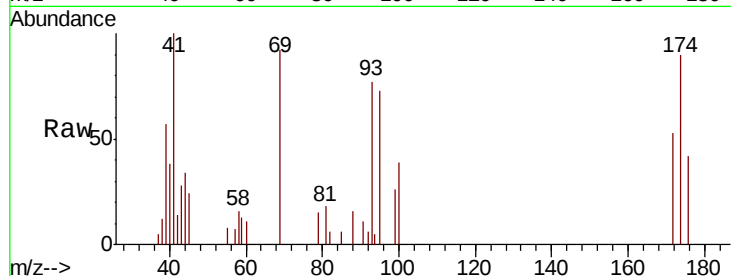
Tgt Ion: 88 Resp: 863

Ion Ratio Lower Upper

88 100

43 62.5 26.2 39.4#

58 85.9 55.5 83.3#



#50

Toluene-d8

Concen: 9.444 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053285.D

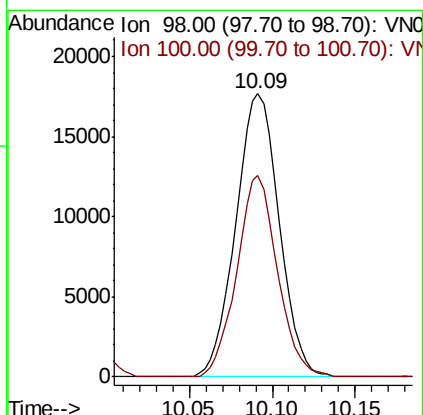
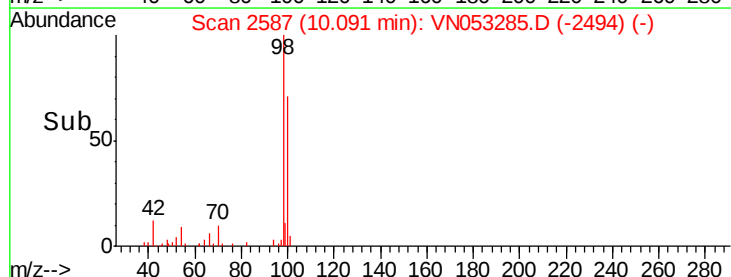
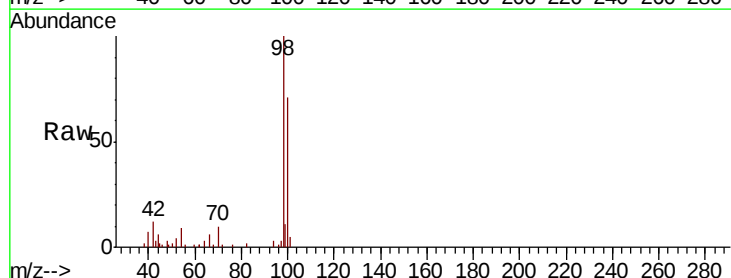
Acq: 4 Jan 2019 16:49

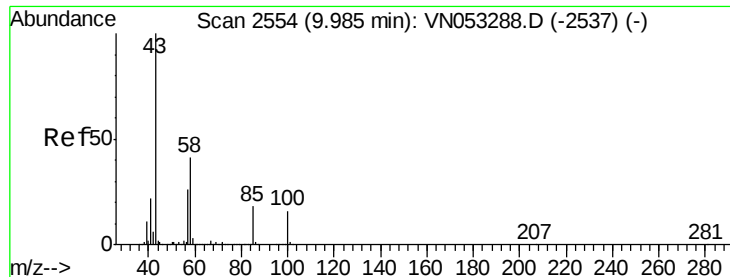
Tgt Ion: 98 Resp: 32191

Ion Ratio Lower Upper

98 100

100 66.5 51.5 77.3

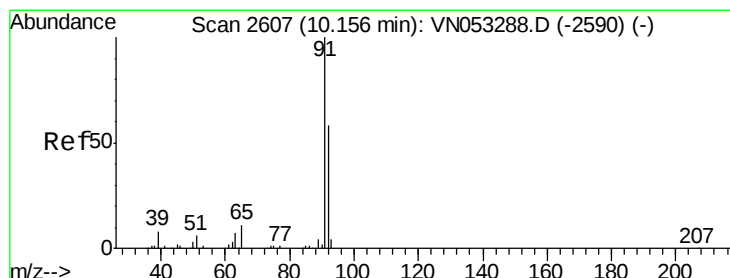
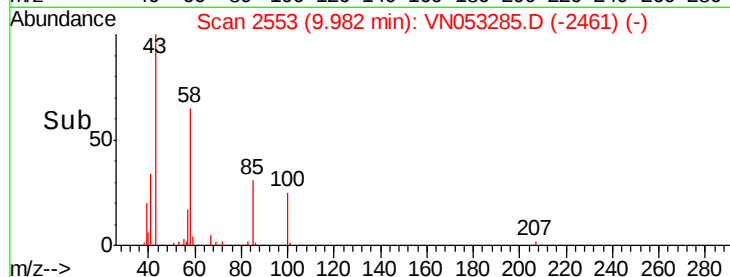
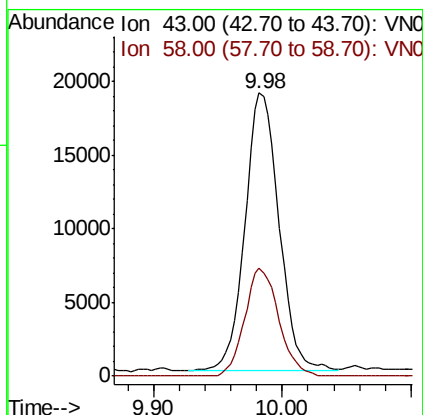
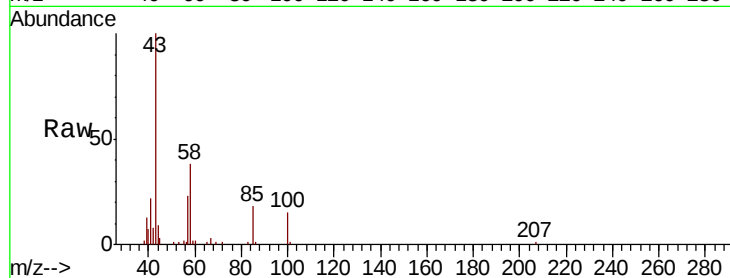




#51
 4-Methyl-2-Pentanone
 Concen: 4.726 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

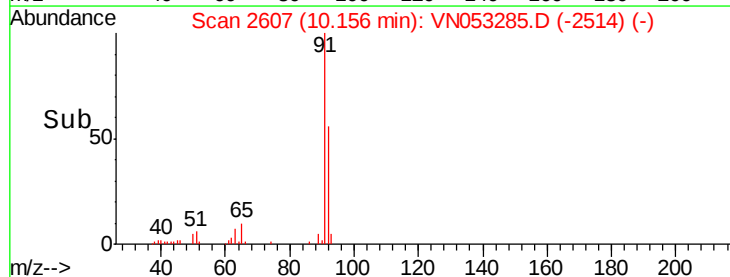
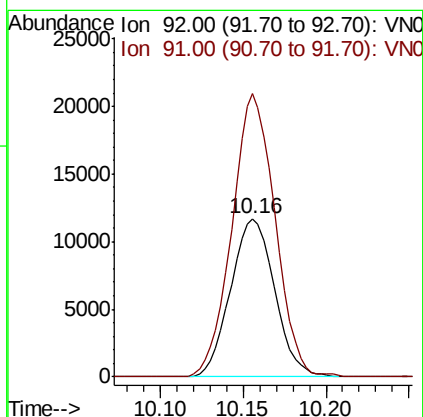
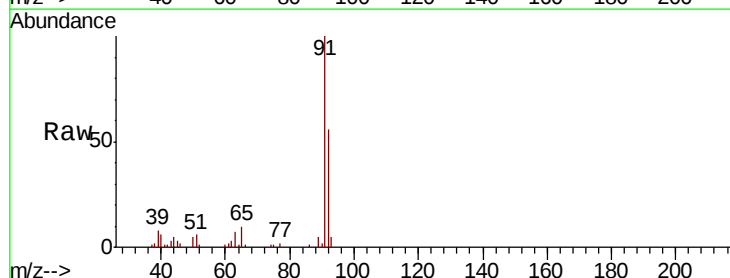
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 34859
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.7 49.1



#52
 Toluene
 Concen: 0.879 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 92 Resp: 21578
 Ion Ratio Lower Upper
 92 100
 91 174.7 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 0.794 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

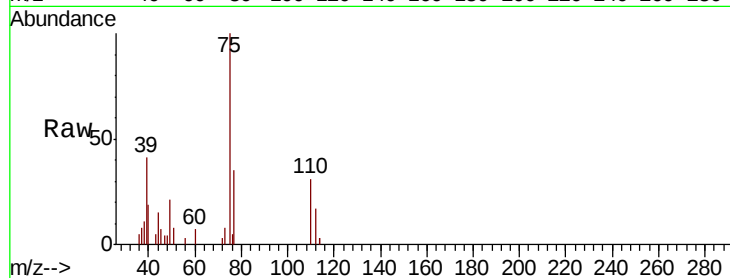
VSTDIC001

Tgt Ion: 75 Resp: 10611

Ion Ratio Lower Upper

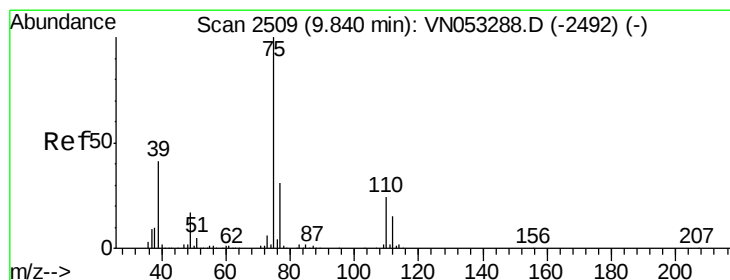
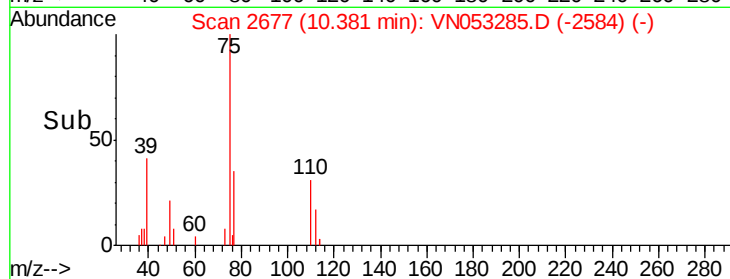
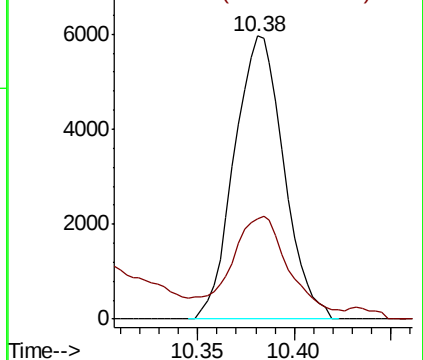
75 100

77 32.1 25.0 37.4



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: 0.787 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

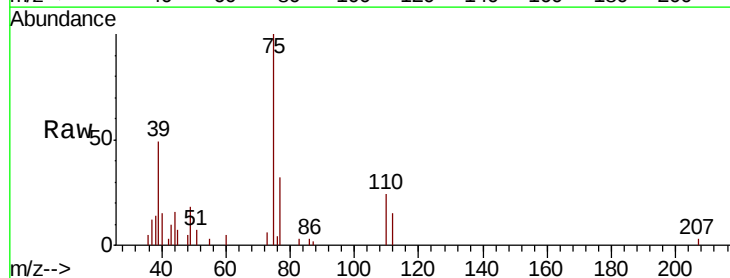
Tgt Ion: 75 Resp: 12078

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

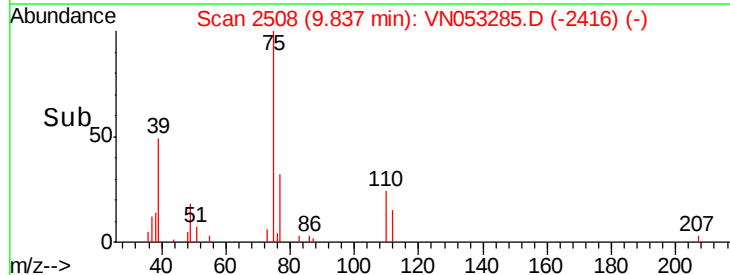
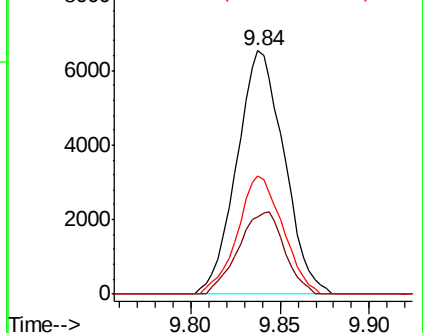
39 48.6 33.1 49.7

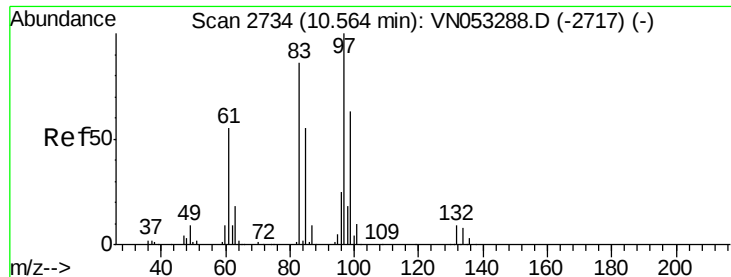


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.948 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 8154

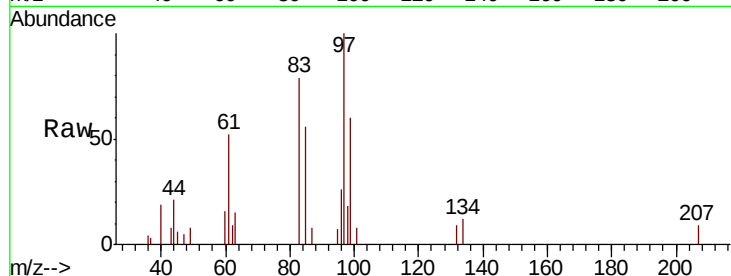
Ion Ratio Lower Upper

97 100

83 78.7 69.1 103.7

85 56.1 44.2 66.4

99 59.8 50.3 75.5

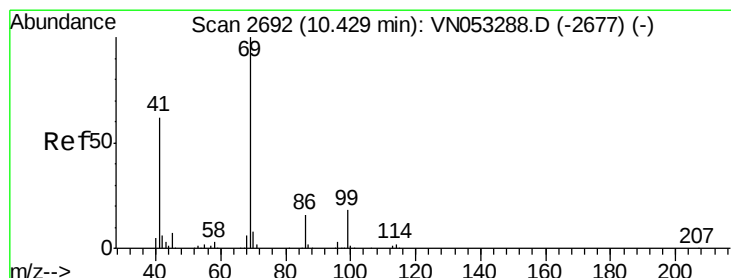
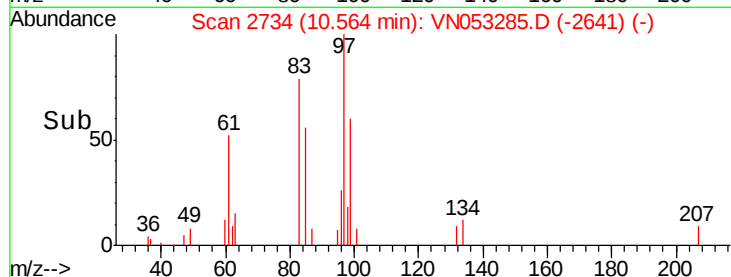
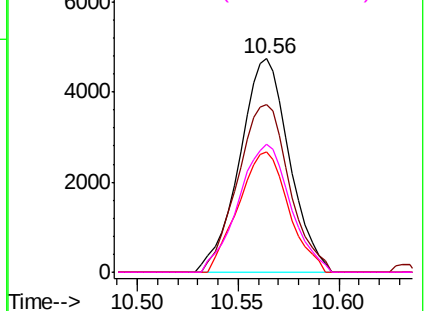


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.785 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

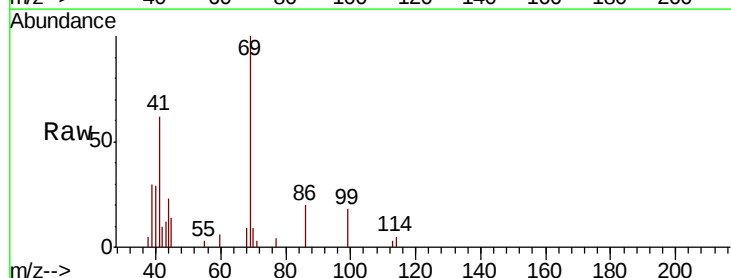
Tgt Ion: 69 Resp: 8965

Ion Ratio Lower Upper

69 100

41 64.8 49.2 73.8

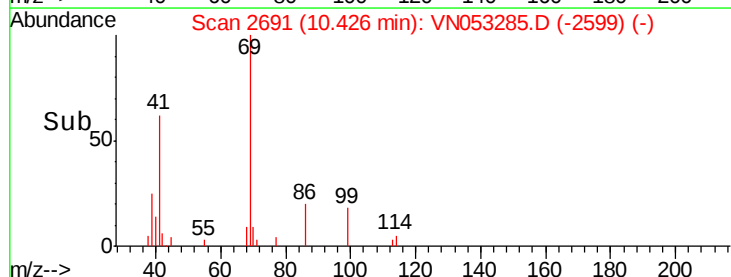
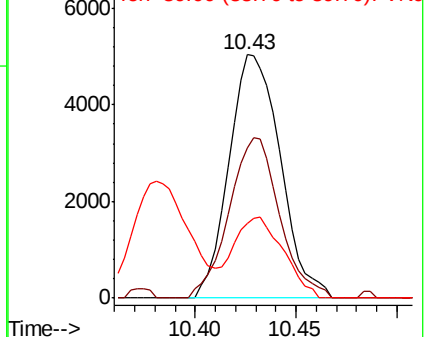
39 32.8 23.4 35.0

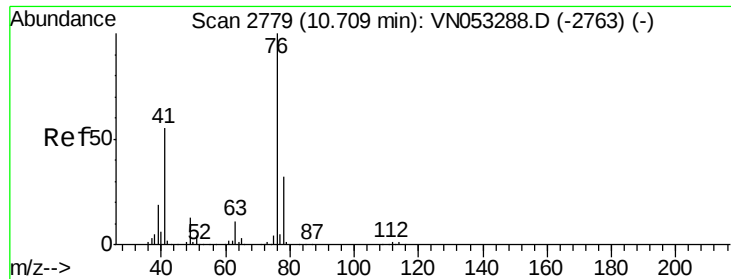


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

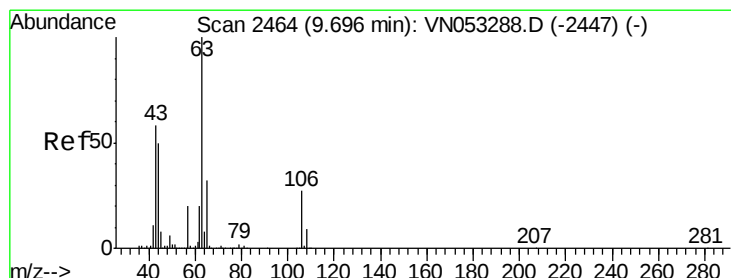
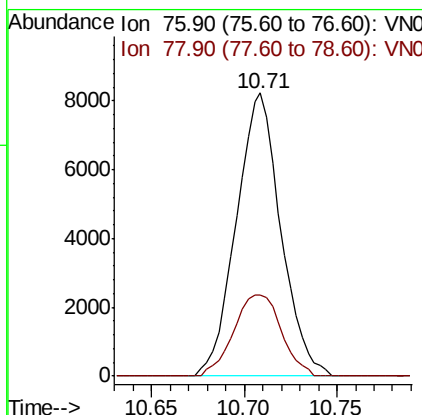
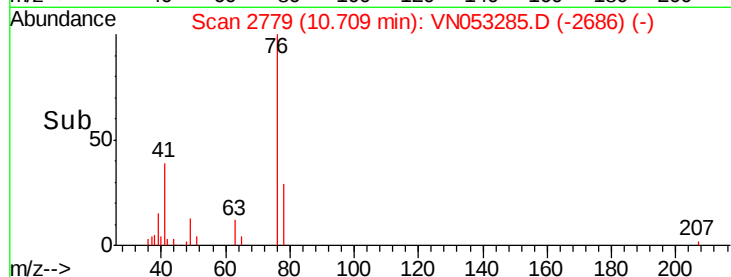
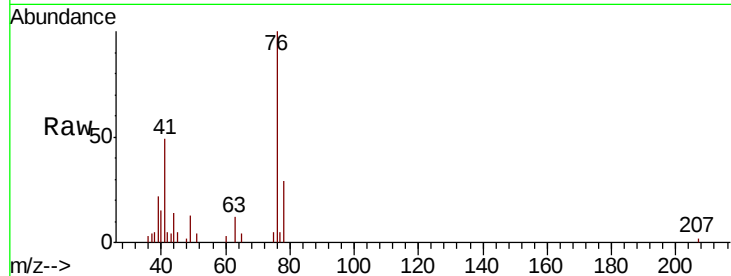




#57
 1,3-Dichloropropane
 Concen: 0.931 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

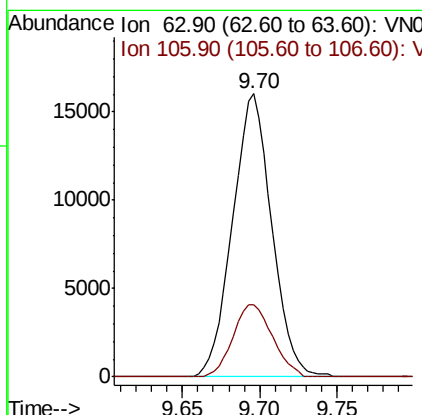
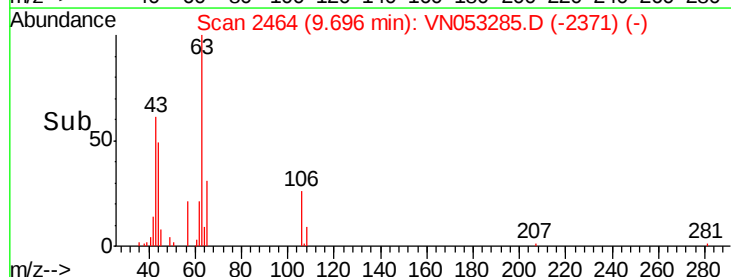
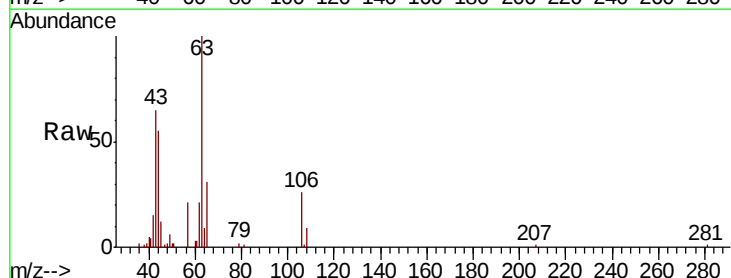
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

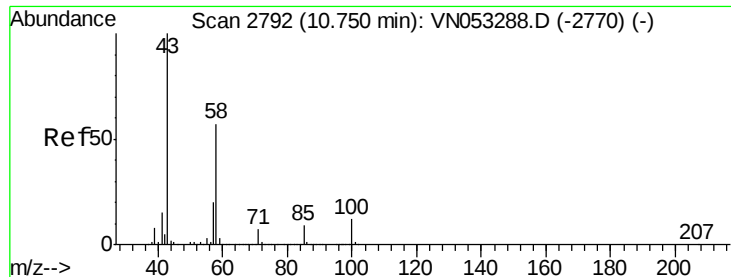
Tgt Ion: 76 Resp: 13664
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.533 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 63 Resp: 28221
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.7 32.5

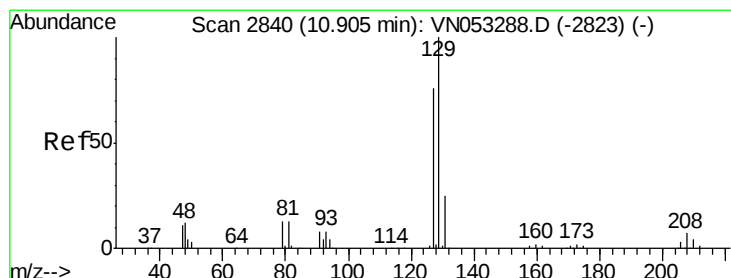
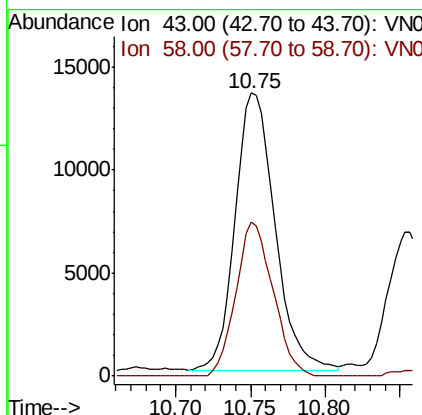
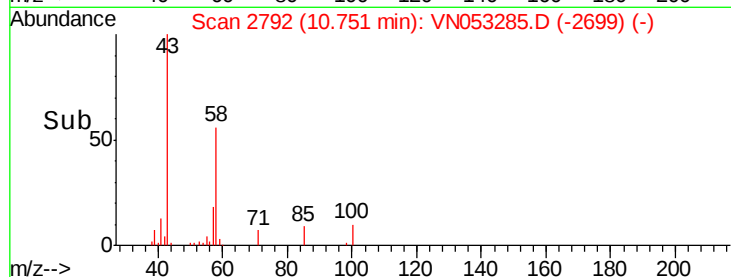
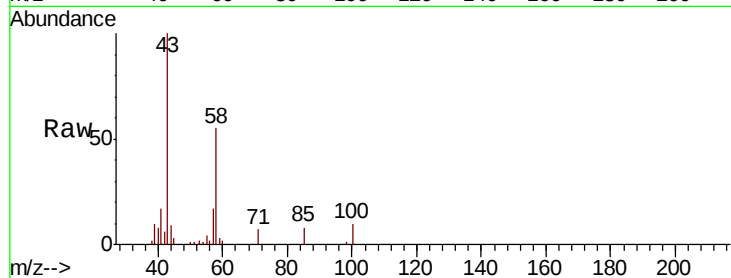




#59
2-Hexanone
Concen: 4.963 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

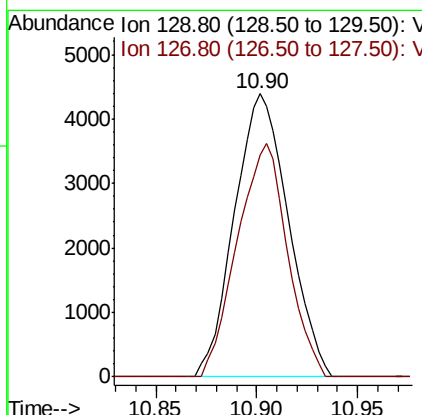
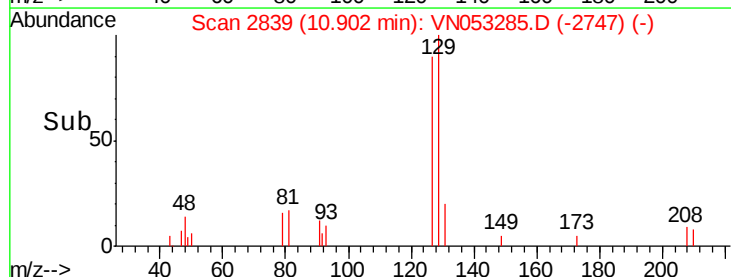
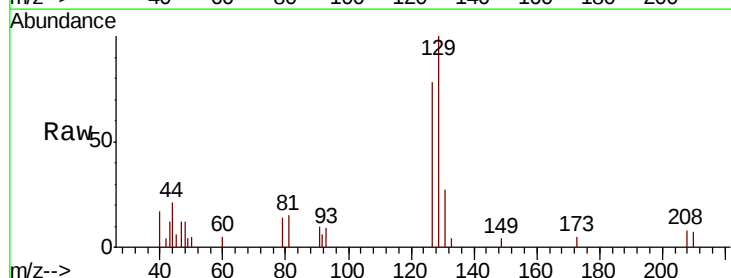
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

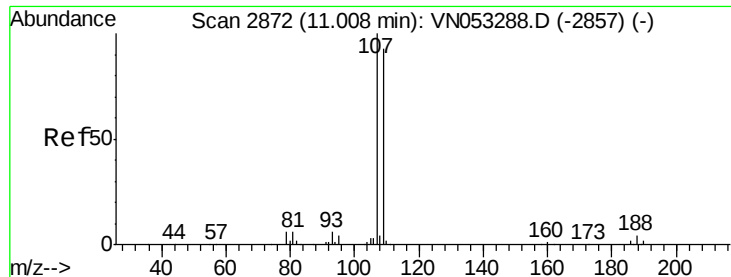
Tgt Ion: 43 Resp: 24908
Ion Ratio Lower Upper
43 100
58 51.9 28.3 85.0



#60
Dibromochloromethane
Concen: 0.836 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 129 Resp: 8191
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2

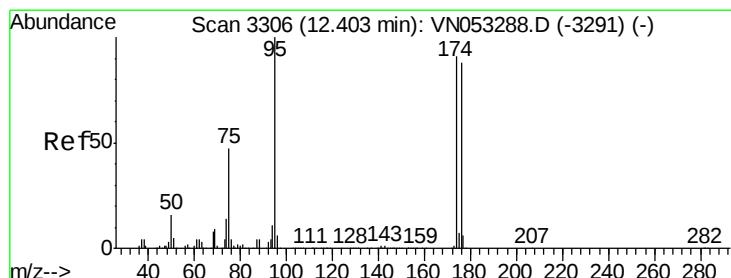
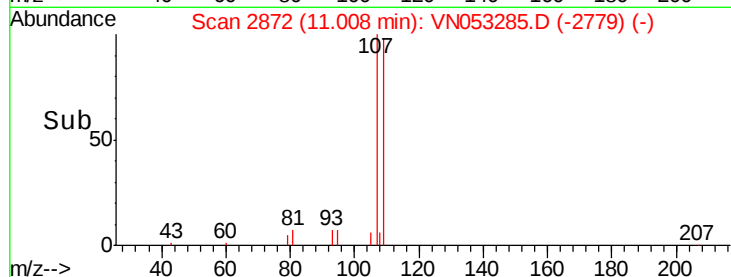
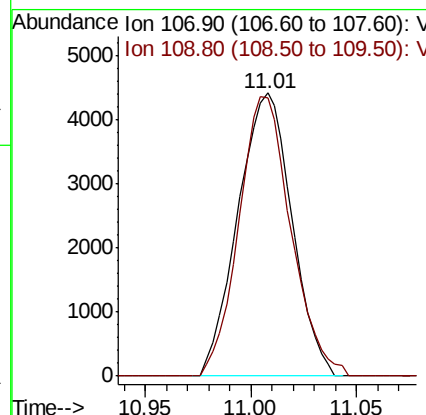
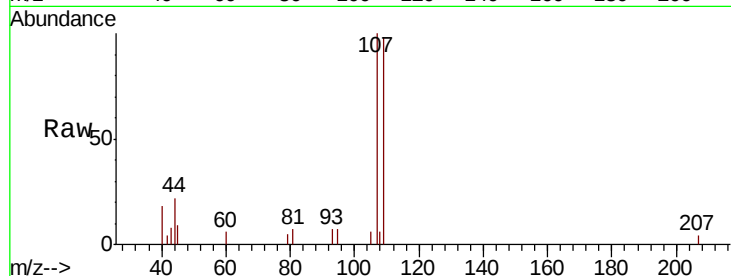




#61
 1,2-Dibromoethane
 Concen: 0.899 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

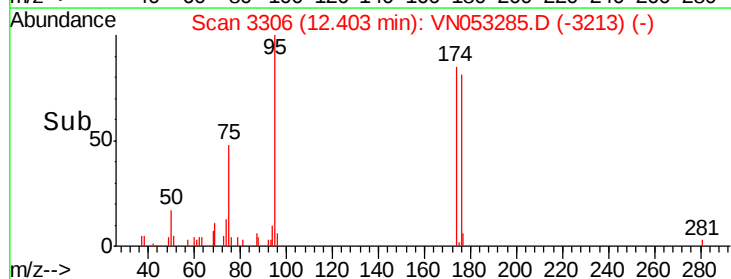
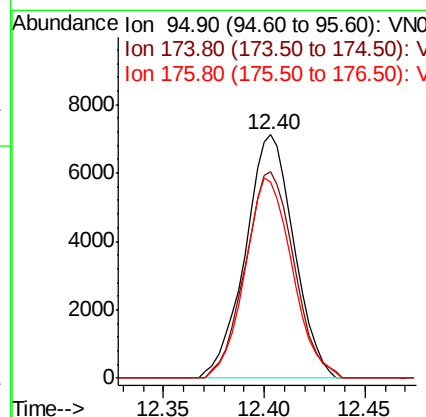
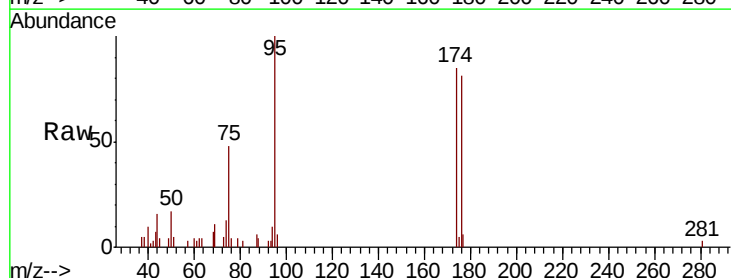
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

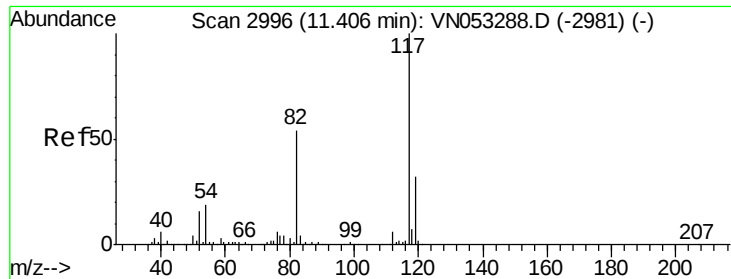
Tgt Ion: 107 Resp: 7845
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 0.899 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion: 95 Resp: 11990
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 180.4
 176 80.0 0.0 175.6

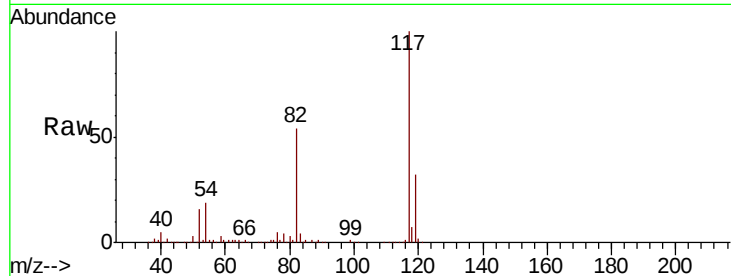




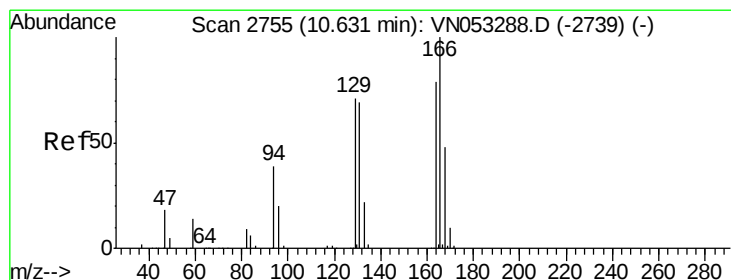
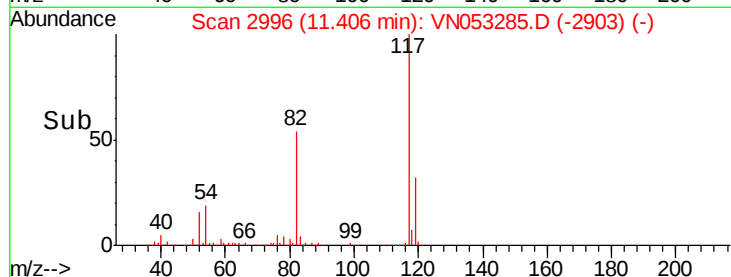
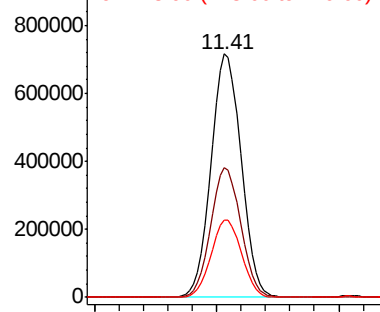
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 1220826
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 31.8 25.6 38.4

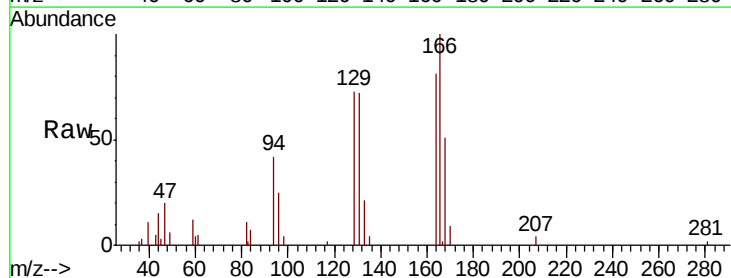


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

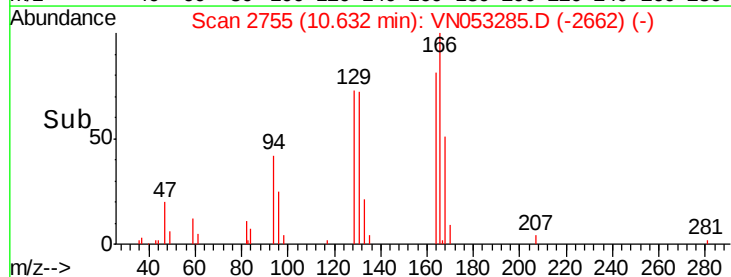
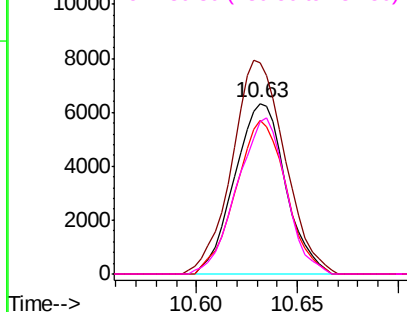


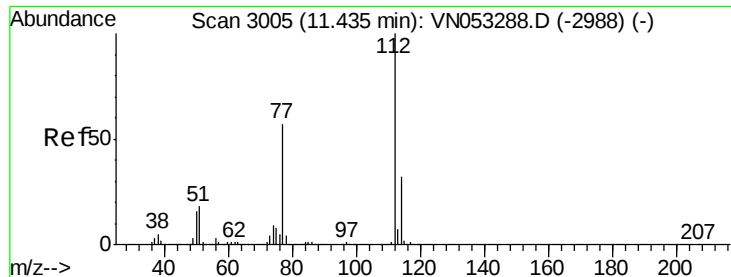
#64
Tetrachloroethene
Concen: 0.861 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion:164 Resp: 11153
Ion Ratio Lower Upper
164 100
166 123.6 101.7 152.5
129 90.2 72.1 108.1
131 89.6 69.9 104.9



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





#65

Chlorobenzene

Concen: 0.931 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

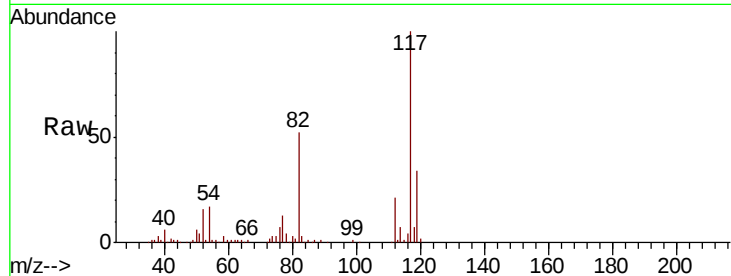
VSTDIC001

Tgt Ion:112 Resp: 25194

Ion Ratio Lower Upper

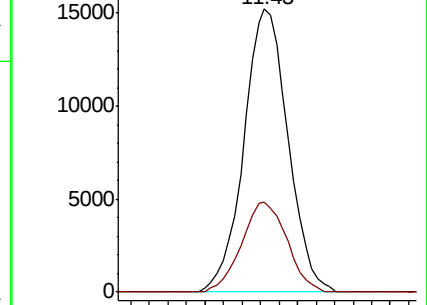
112 100

114 32.0 25.6 38.4

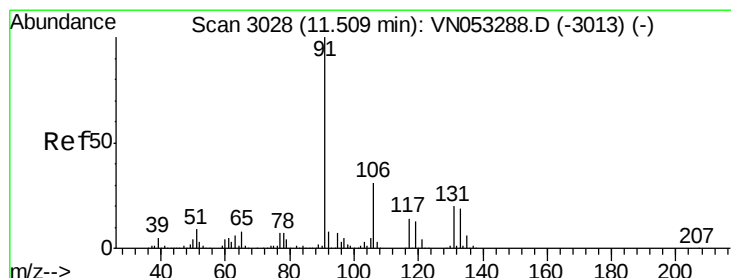
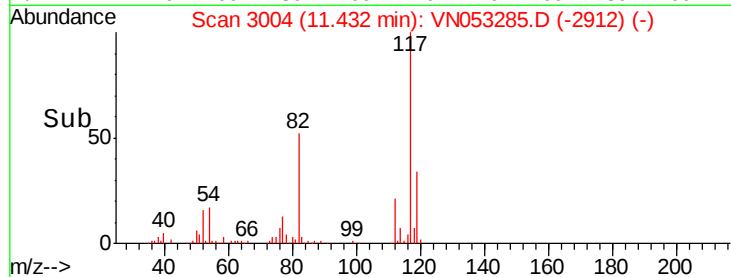


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.852 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

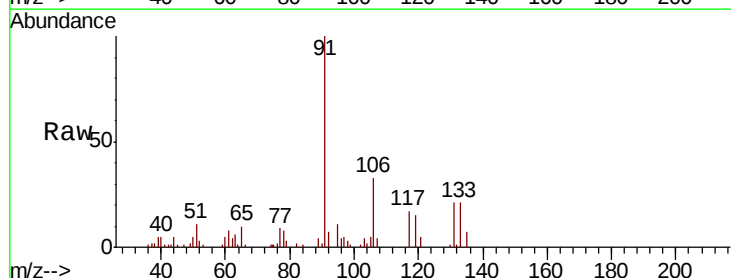
Tgt Ion:131 Resp: 8023

Ion Ratio Lower Upper

131 100

133 100.2 48.0 144.0

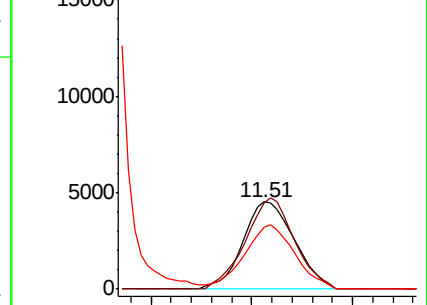
119 0.0 33.3 99.9#



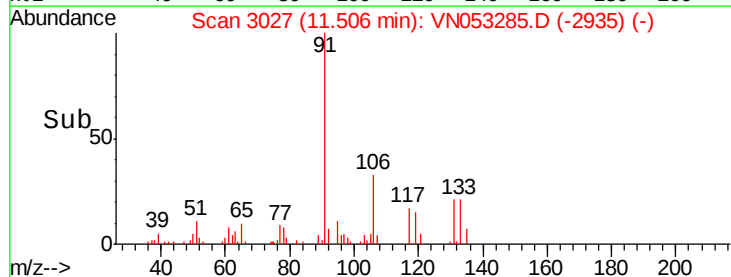
Abundance Ion 130.80 (130.50 to 131.50): V

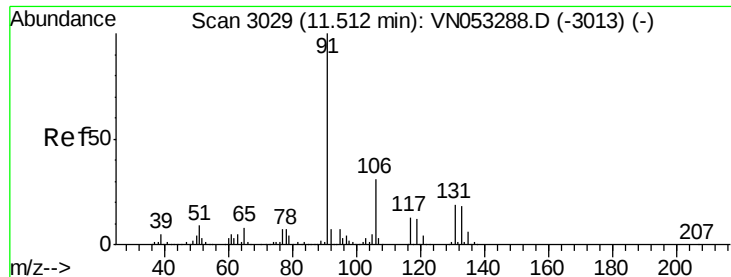
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

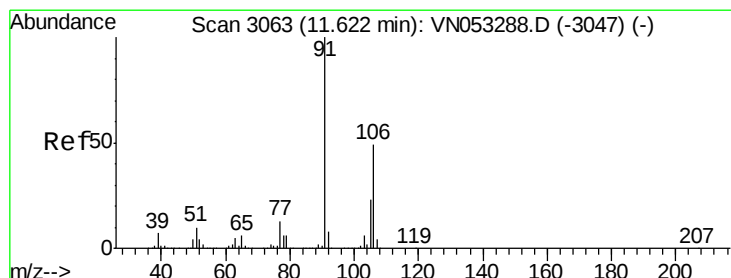
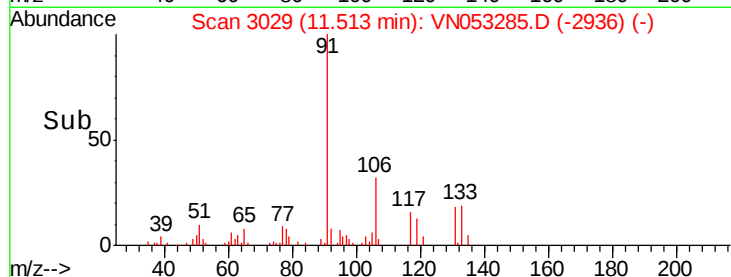
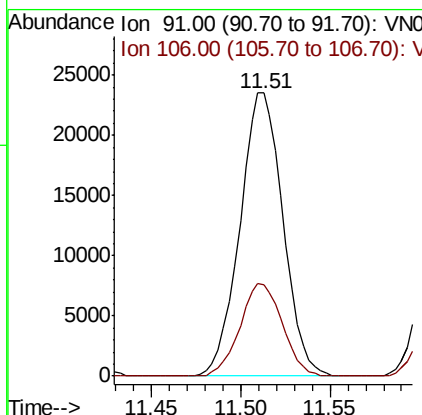
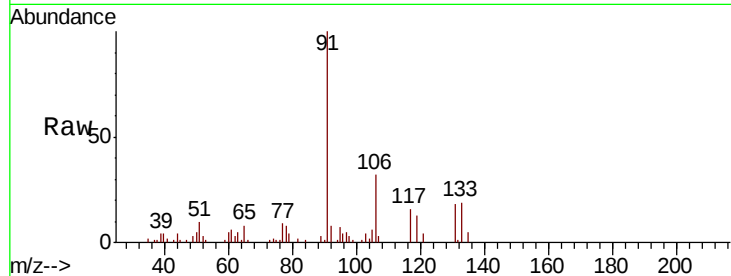




#67
Ethyl Benzene
Concen: 0.849 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

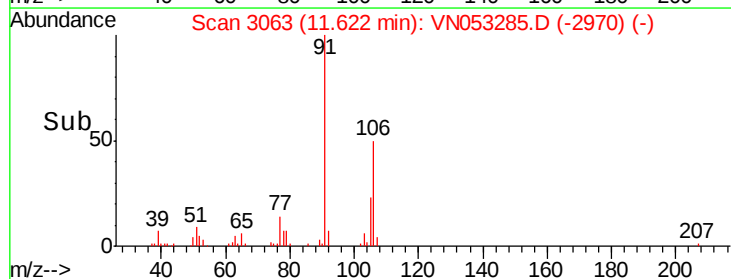
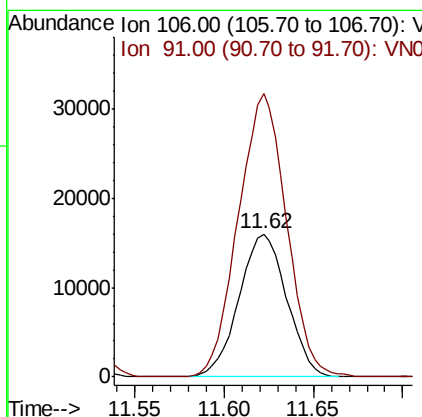
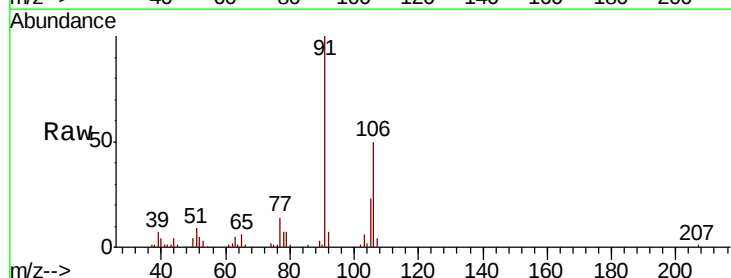
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

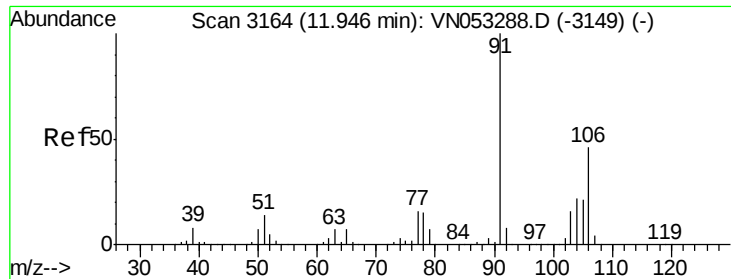
Tgt Ion: 91 Resp: 39499
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4



#68
m/p-Xylenes
Concen: 1.684 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 106 Resp: 29784
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2

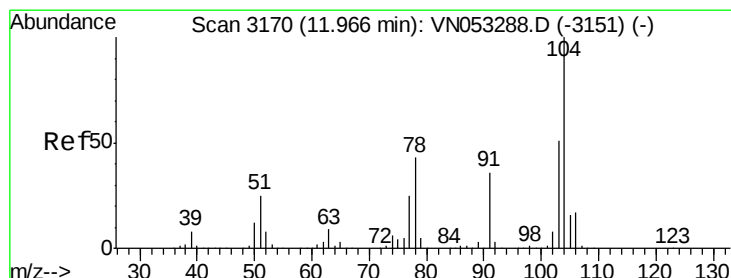
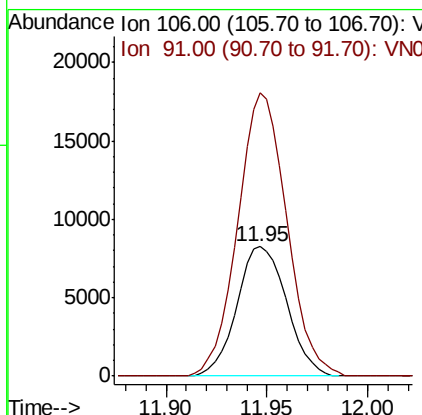
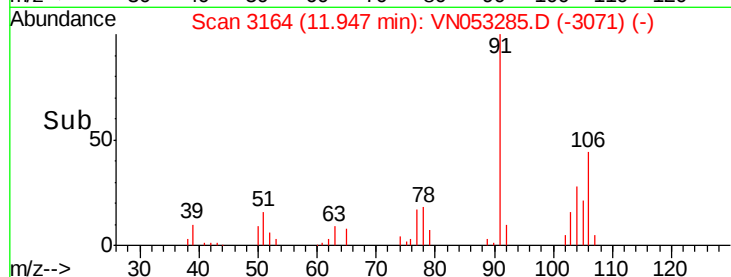
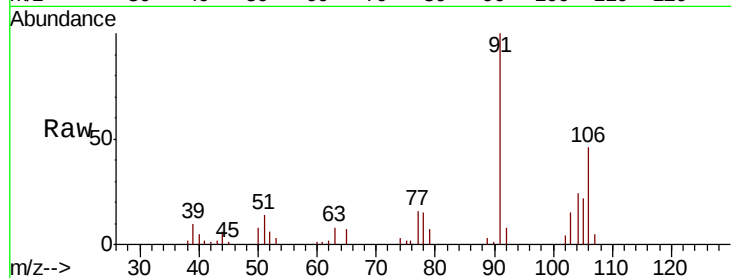




#69
o-Xylene
Concen: 0.843 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

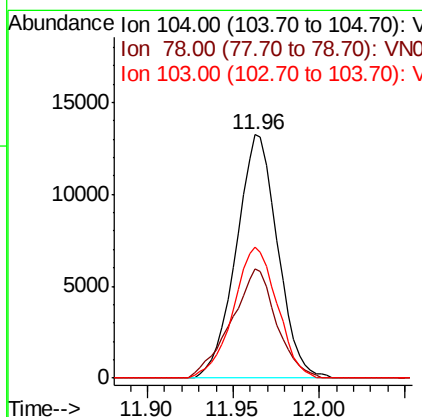
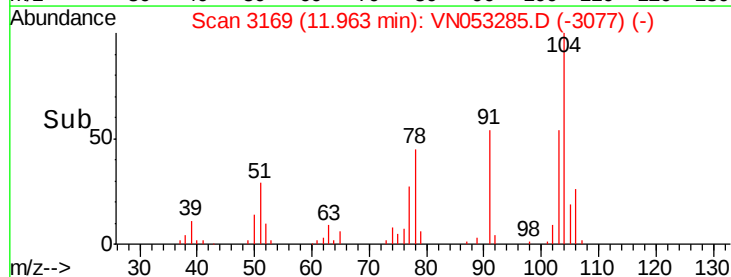
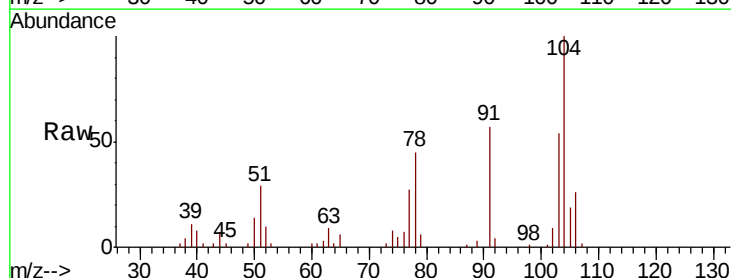
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

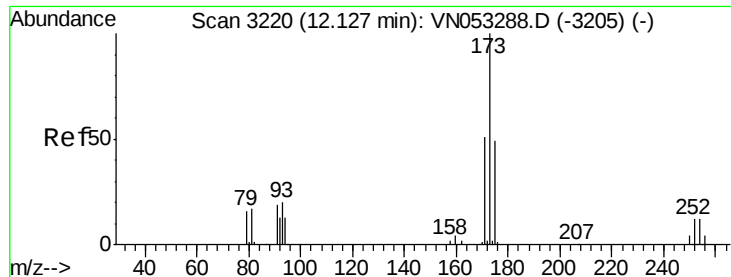
Tgt Ion:106 Resp: 14291
Ion Ratio Lower Upper
106 100
91 215.0 106.8 320.4



#70
Styrene
Concen: 0.803 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion:104 Resp: 22232
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 56.8 44.5 66.7





#71

Bromoform

Concen: 0.777 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

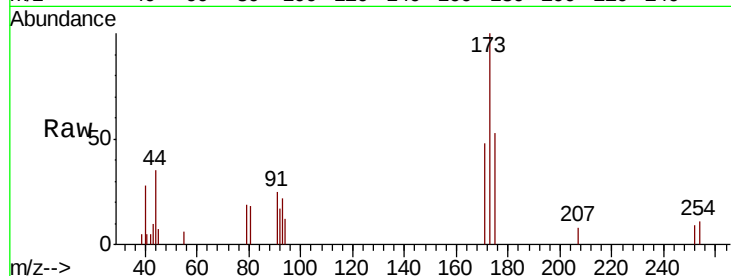
Tgt Ion:173 Resp: 5271

Ion Ratio Lower Upper

173 100

175 52.4 24.3 72.8

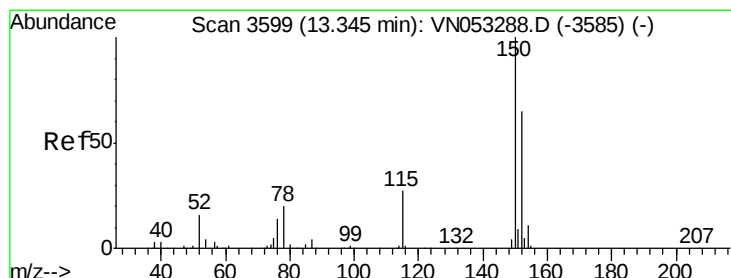
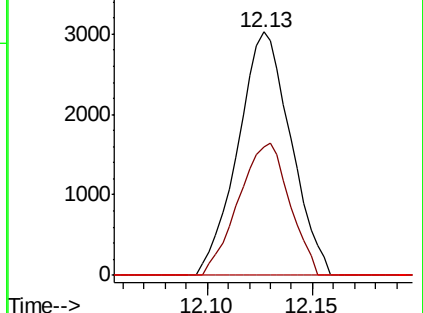
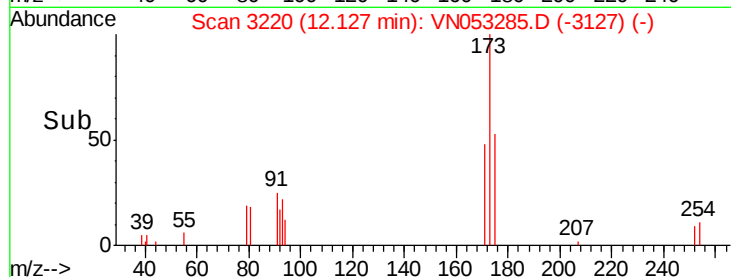
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

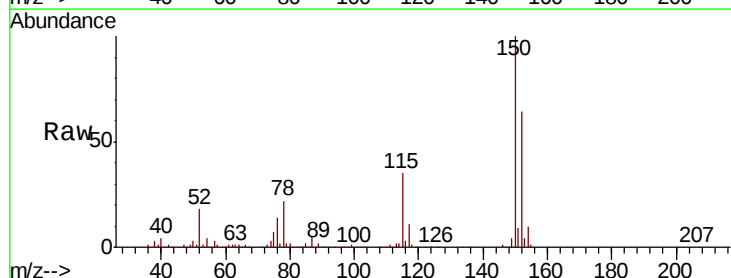
Tgt Ion:152 Resp: 527052

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

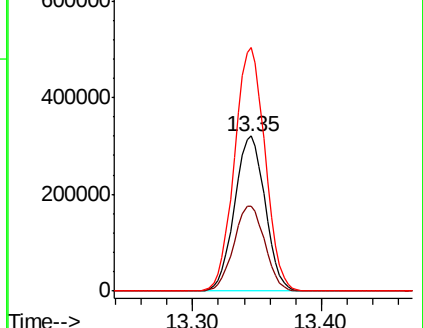
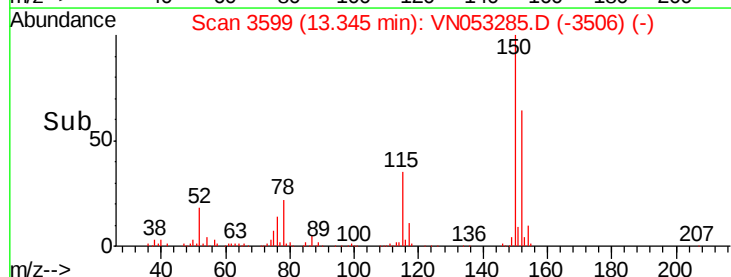
150 157.1 0.0 346.6

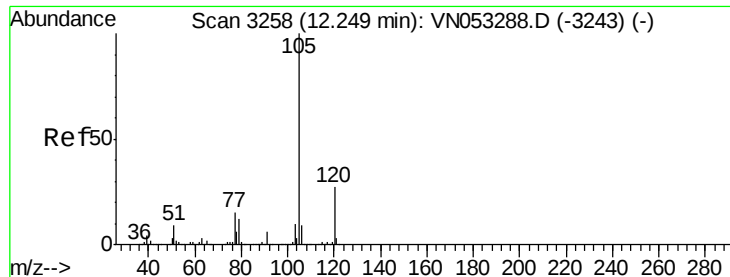


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.890 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

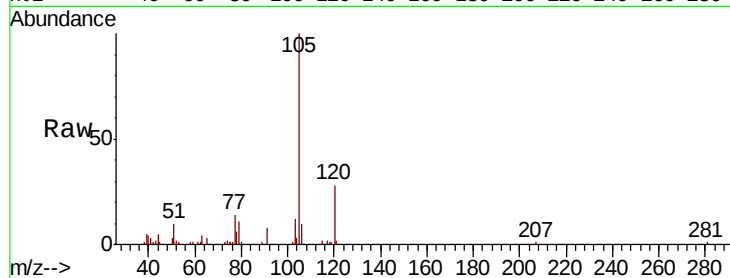
VSTDIC001

Tgt Ion: 105 Resp: 36624

Ion Ratio Lower Upper

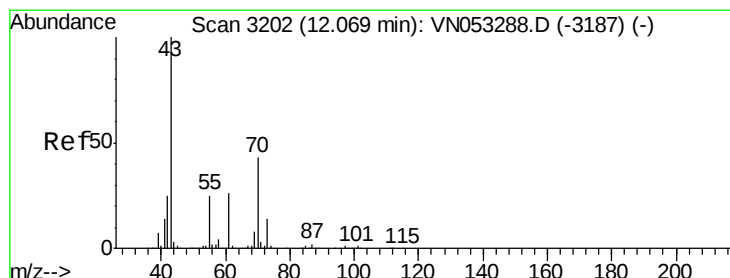
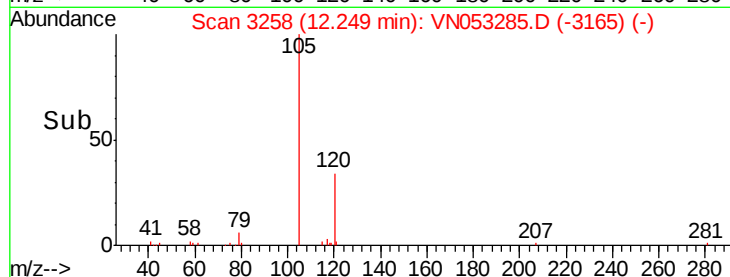
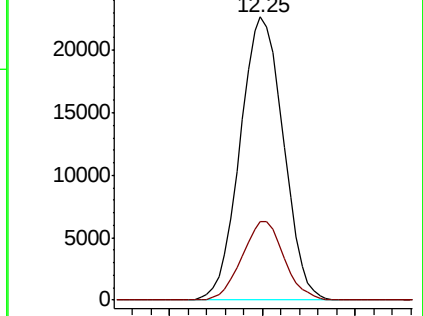
105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.879 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Tgt Ion: 43 Resp: 10160

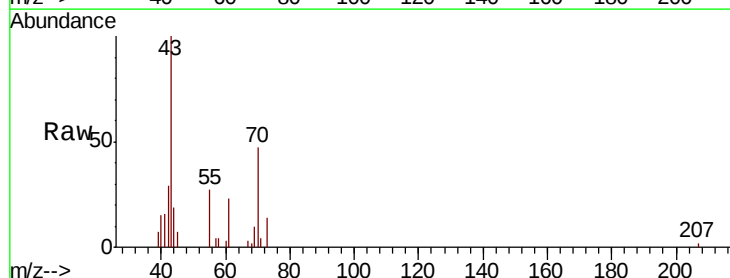
Ion Ratio Lower Upper

43 100

70 45.3 35.0 52.6

55 28.4 20.0 30.0

61 24.3 20.3 30.5

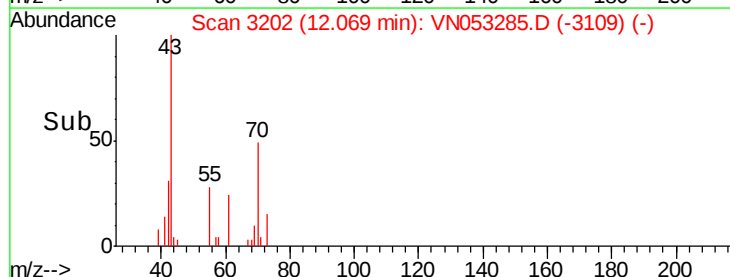
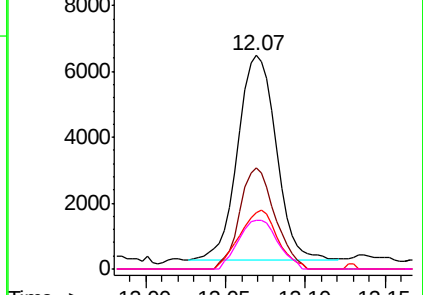


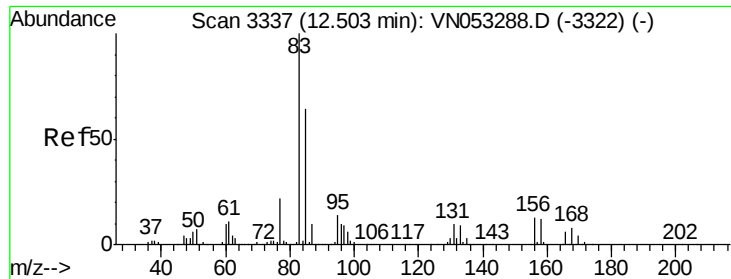
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.186 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

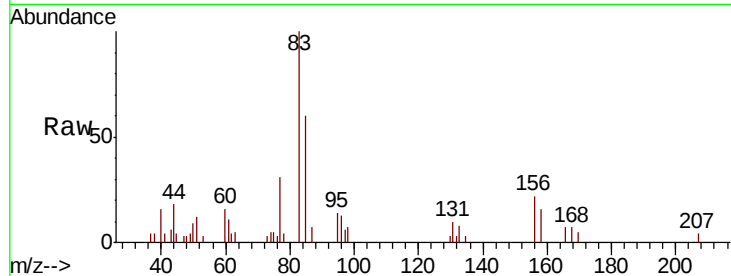
Tgt Ion: 83 Resp: 9831

Ion Ratio Lower Upper

83 100

131 7.3 5.3 15.9

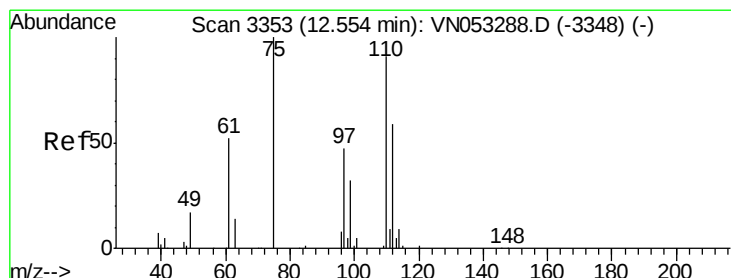
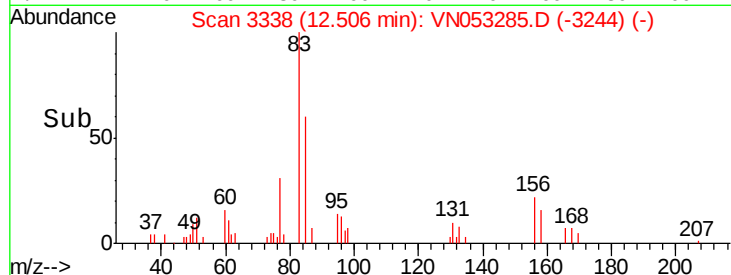
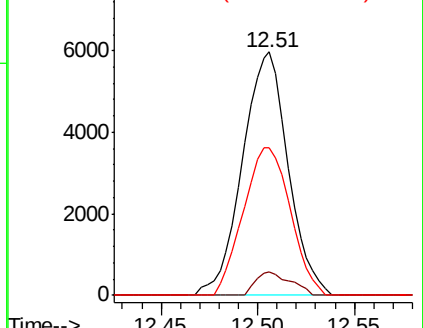
85 62.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.275 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053285.D

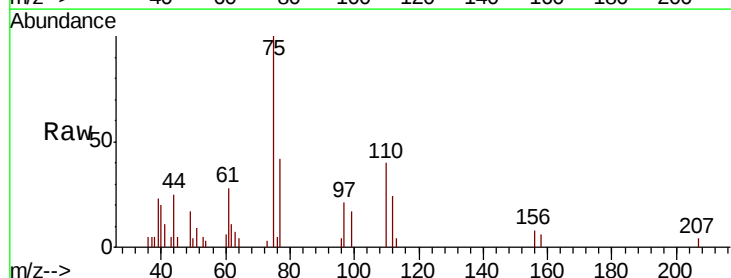
Acq: 4 Jan 2019 16:49

Tgt Ion: 75 Resp: 11096

Ion Ratio Lower Upper

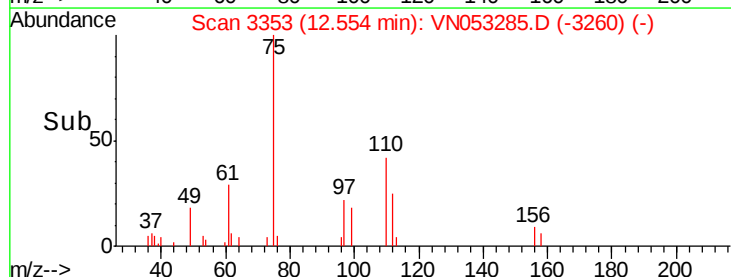
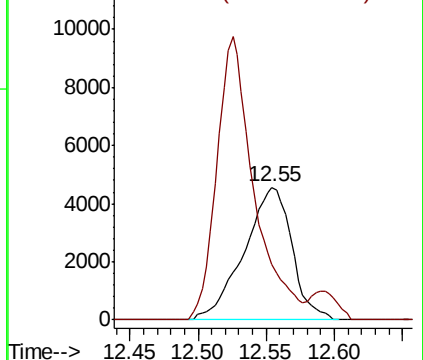
75 100

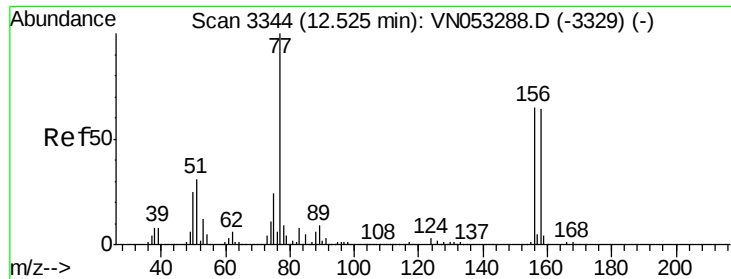
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.925 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

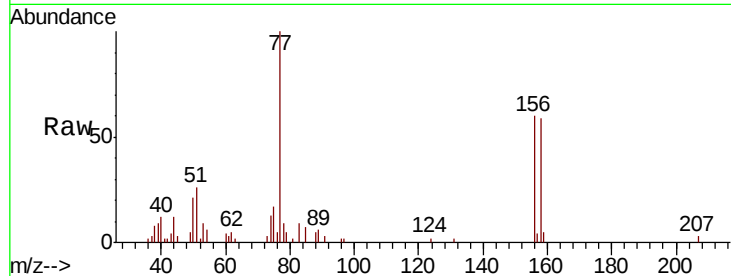
Tgt Ion:156 Resp: 9916

Ion Ratio Lower Upper

156 100

77 185.9 89.3 268.1

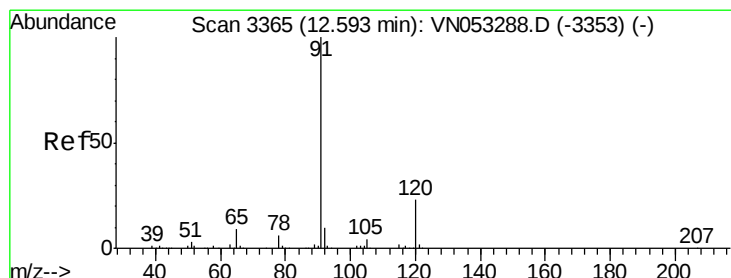
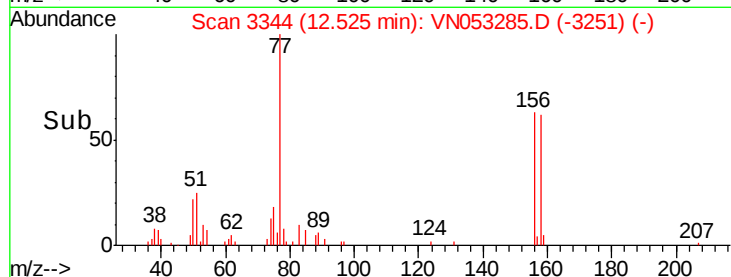
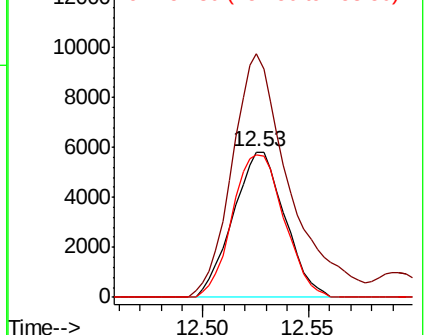
158 98.2 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.855 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053285.D

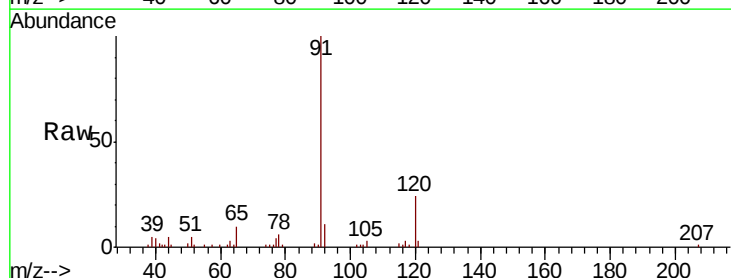
Acq: 4 Jan 2019 16:49

Tgt Ion: 91 Resp: 40061

Ion Ratio Lower Upper

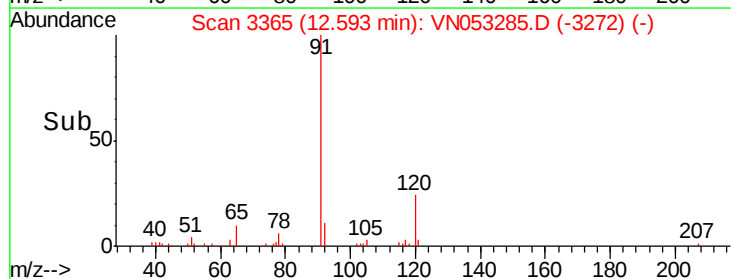
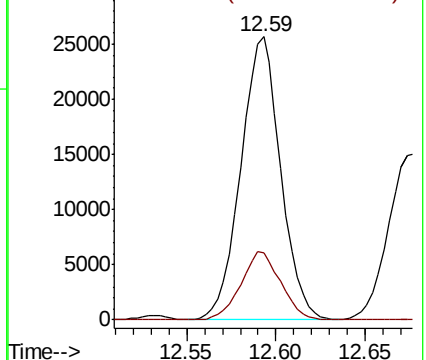
91 100

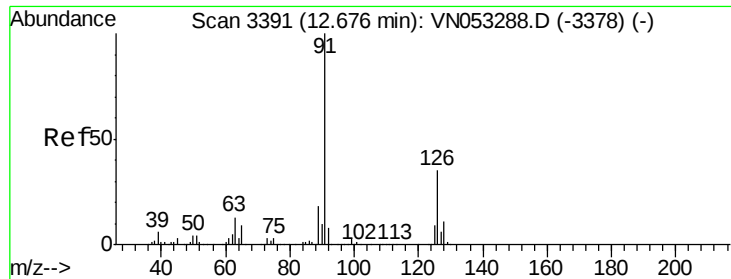
120 23.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.884 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

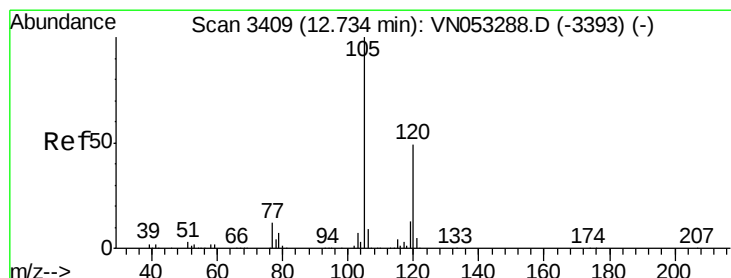
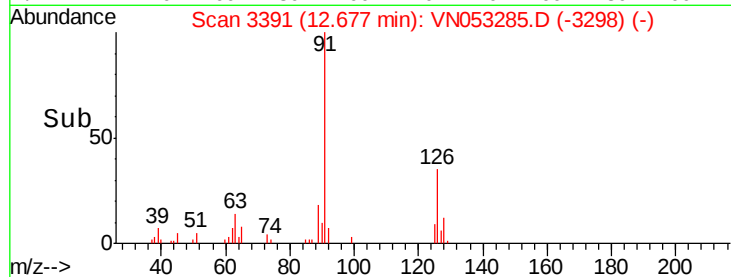
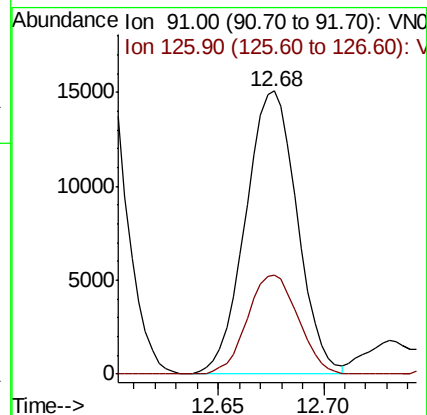
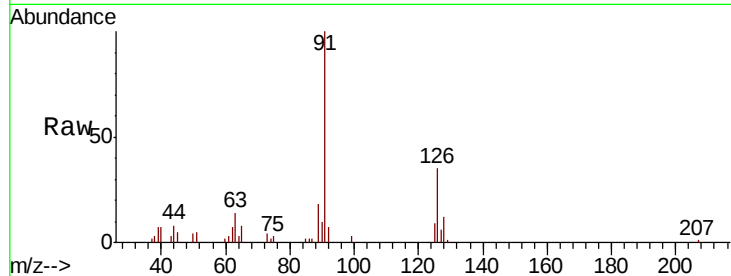
VSTDIC001

Tgt Ion: 91 Resp: 25706

Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 0.849 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053285.D

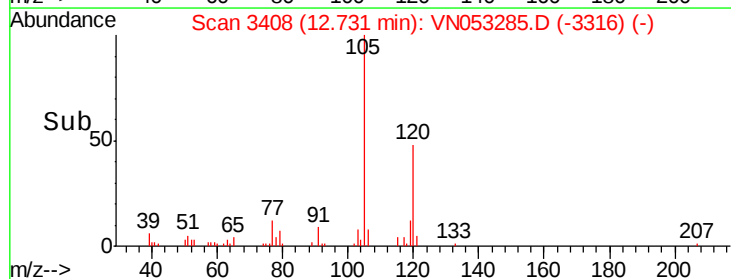
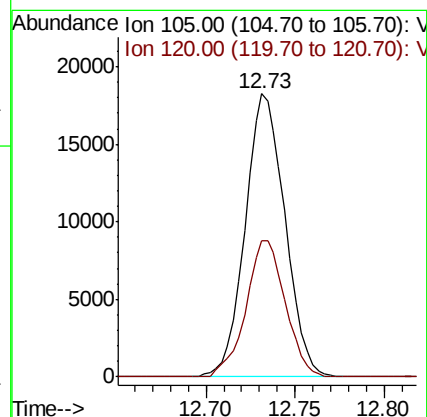
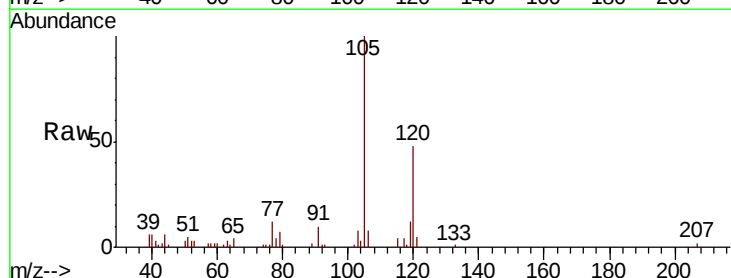
Acq: 4 Jan 2019 16:49

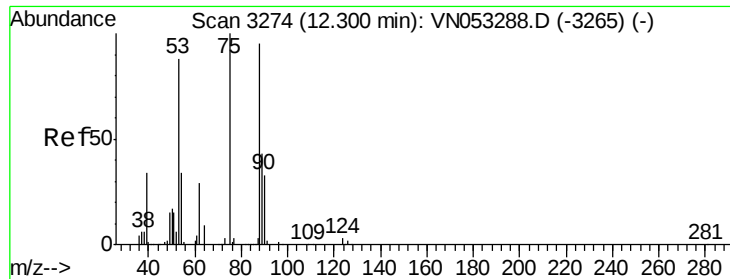
Tgt Ion: 105 Resp: 28451

Ion Ratio Lower Upper

105 100

120 47.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 0.773 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

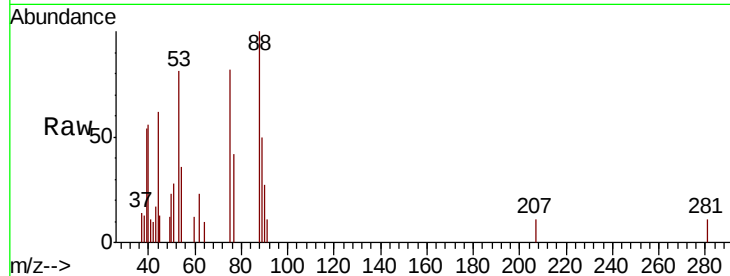
Tgt Ion: 75 Resp: 2124

Ion Ratio Lower Upper

75 100

53 93.3 70.5 105.7

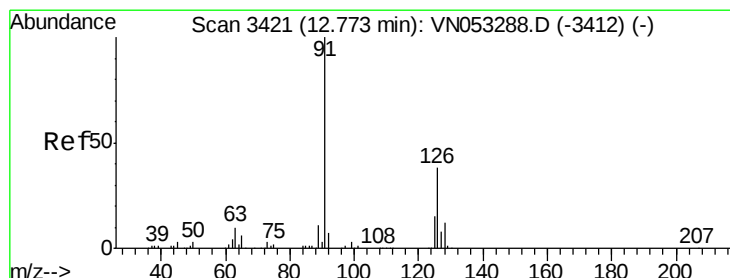
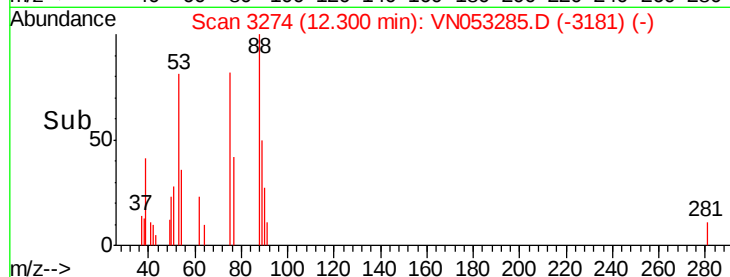
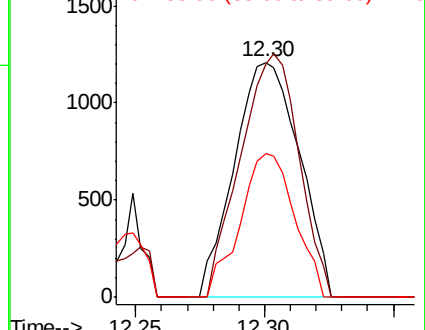
89 51.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.920 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053285.D

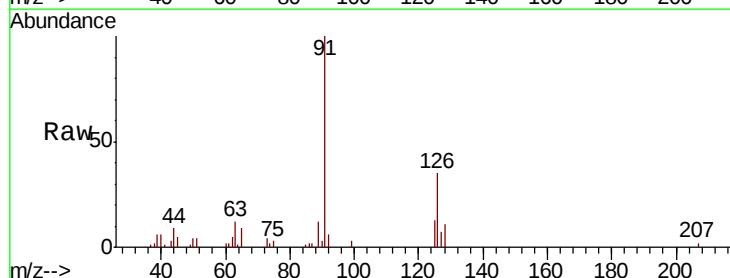
Acq: 4 Jan 2019 16:49

Tgt Ion: 91 Resp: 26201

Ion Ratio Lower Upper

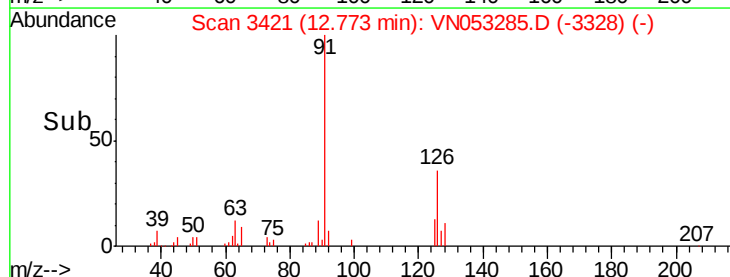
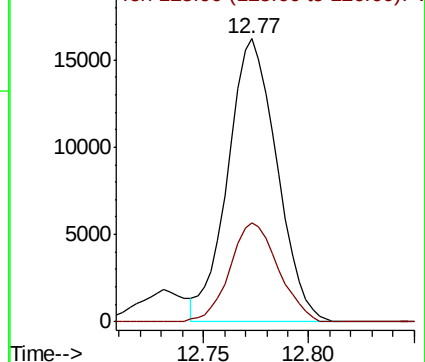
91 100

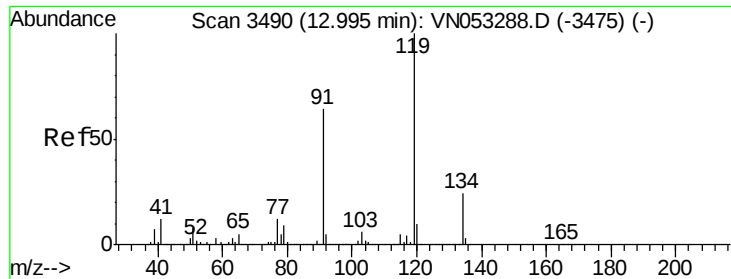
126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

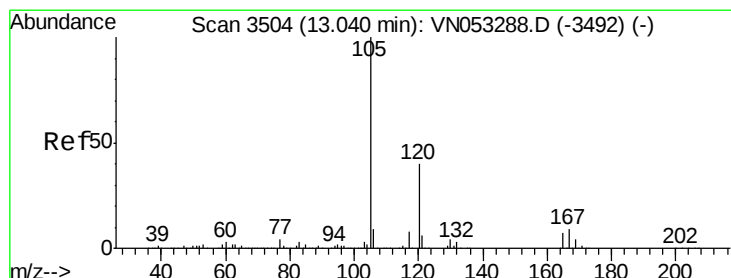
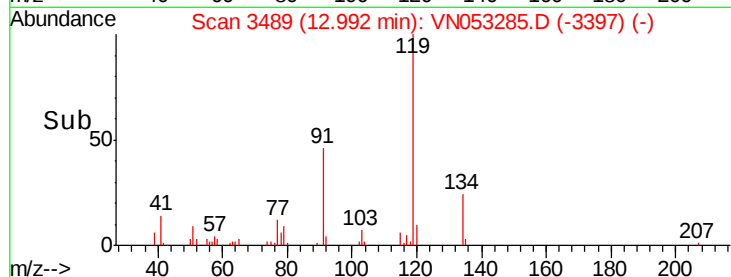
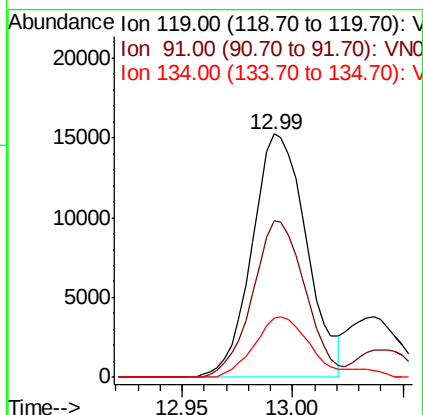
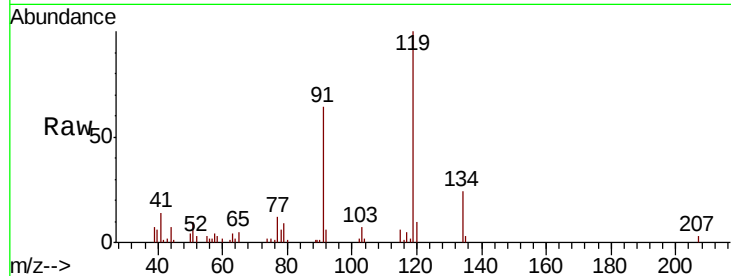




#83
 tert-Butylbenzene
 Concen: 0.882 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

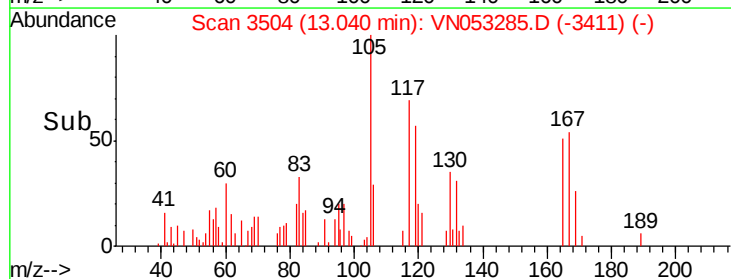
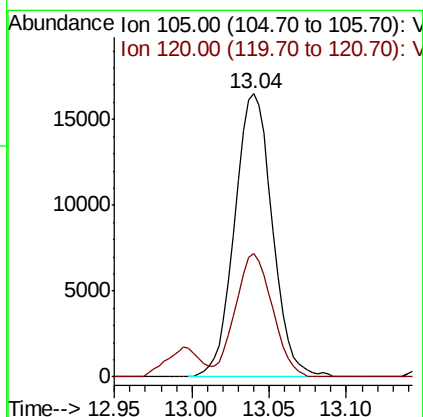
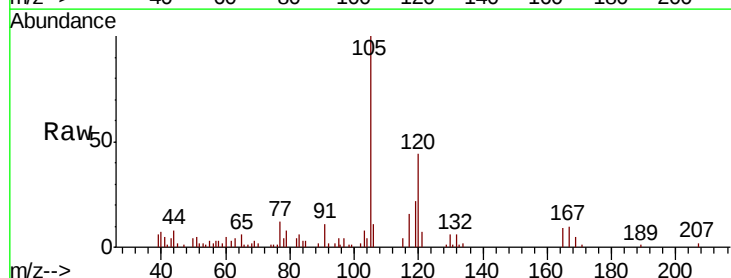
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

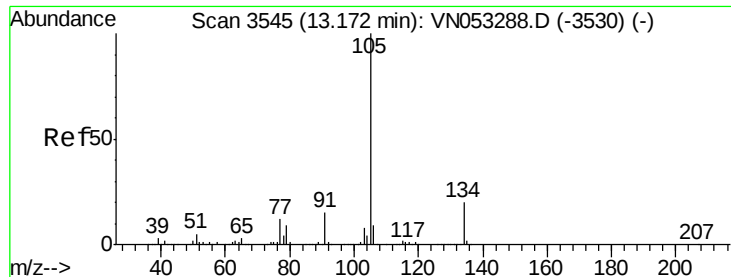
Tgt Ion:119 Resp: 26107
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.6 95.0
 134 25.0 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.828 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion:105 Resp: 27923
 Ion Ratio Lower Upper
 105 100
 120 42.5 23.0 69.0

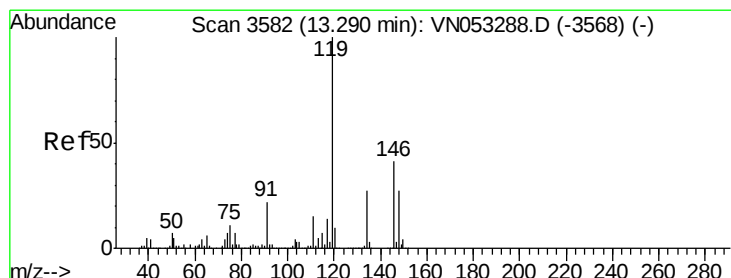
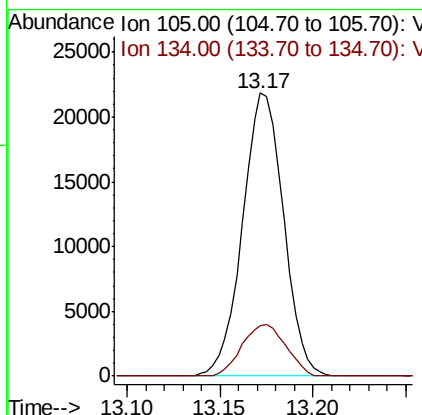
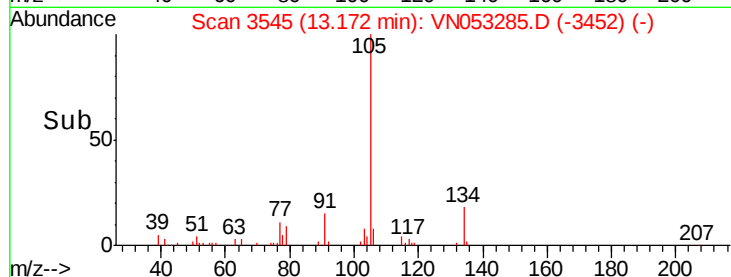
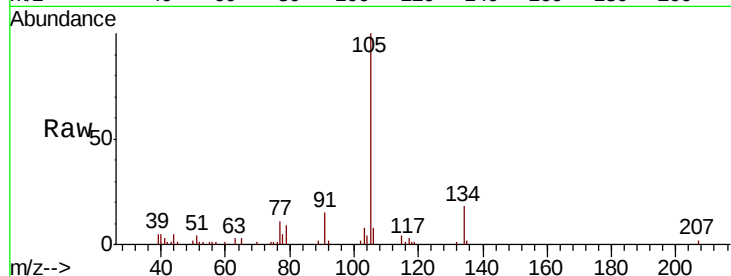




#85
 sec-Butylbenzene
 Concen: 0.844 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

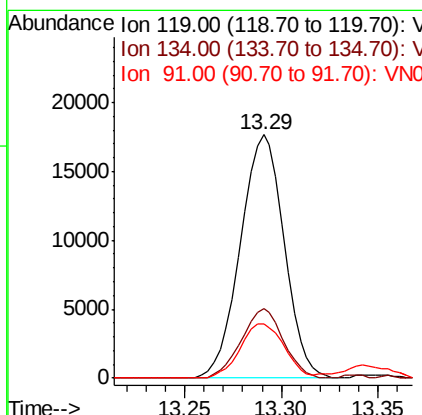
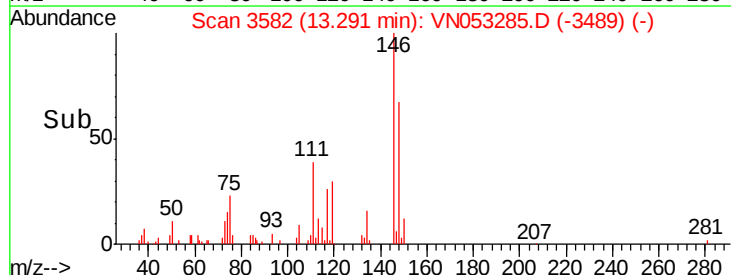
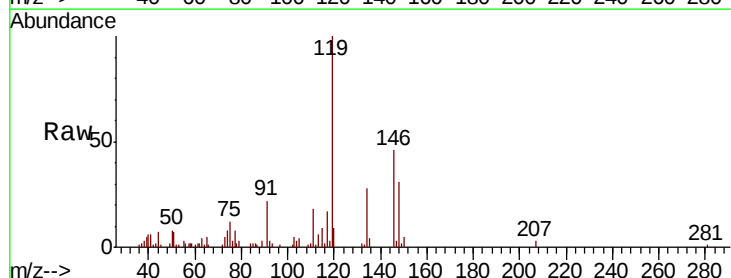
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

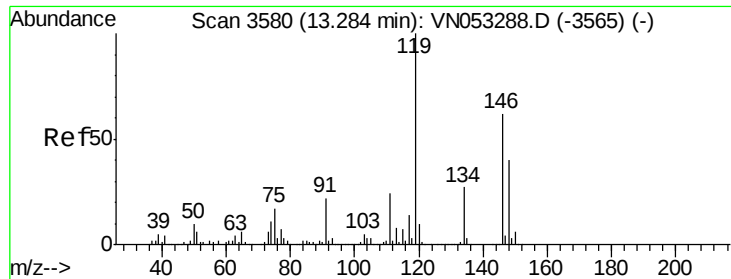
Tgt Ion:105 Resp: 33715
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 0.807 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion:119 Resp: 27845
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.5 11.1 33.1

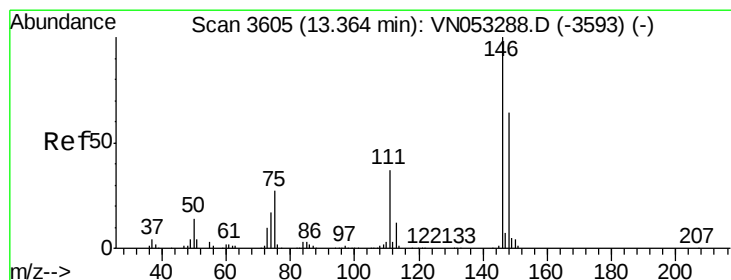
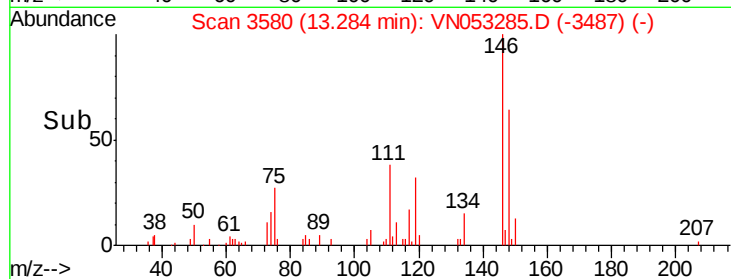
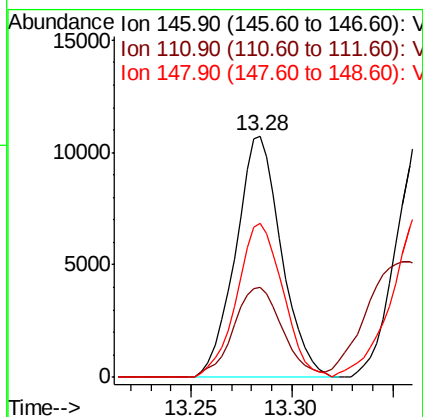
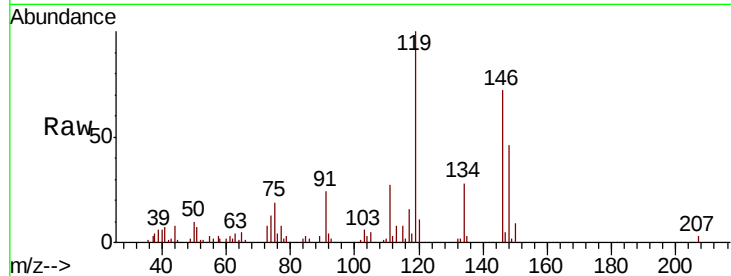




#87
 1,3-Dichlorobenzene
 Concen: 0.896 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

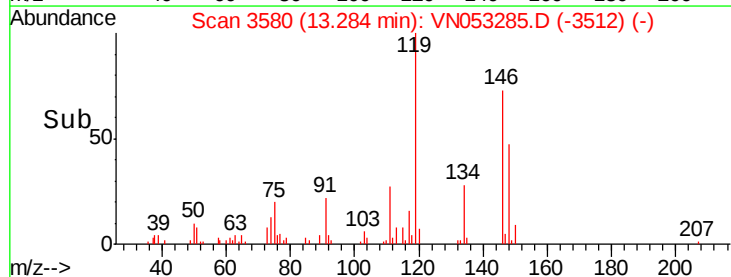
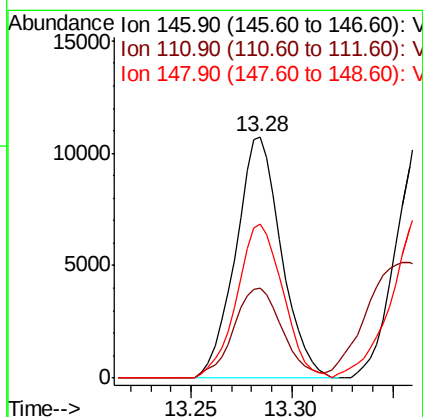
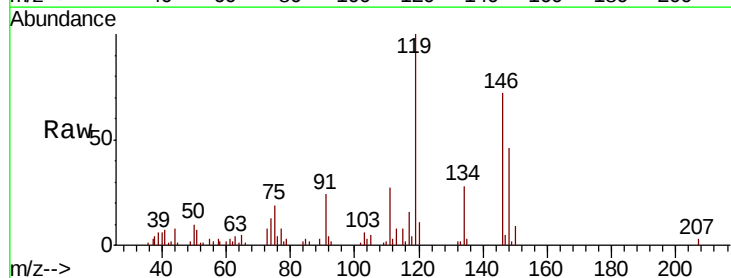
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

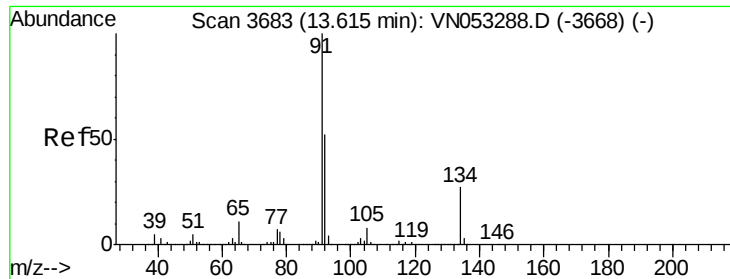
Tgt Ion:146 Resp: 16968
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.9 56.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.884 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion:146 Resp: 16968
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.6 55.8
 148 64.6 32.0 96.0

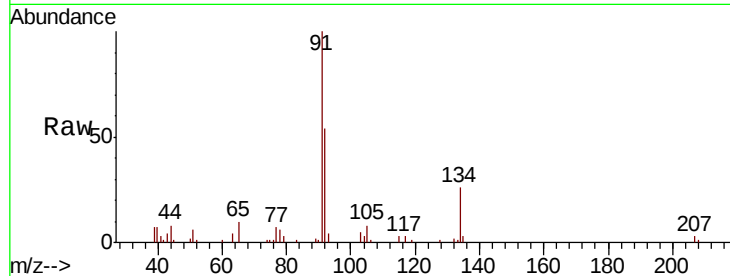




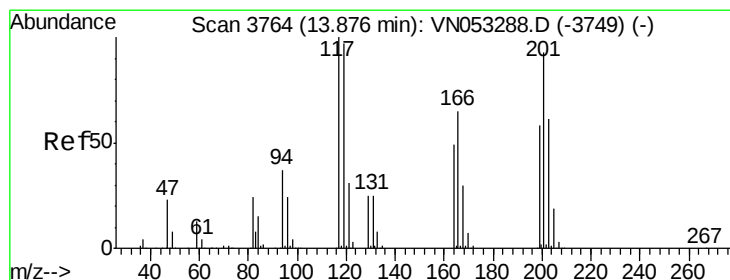
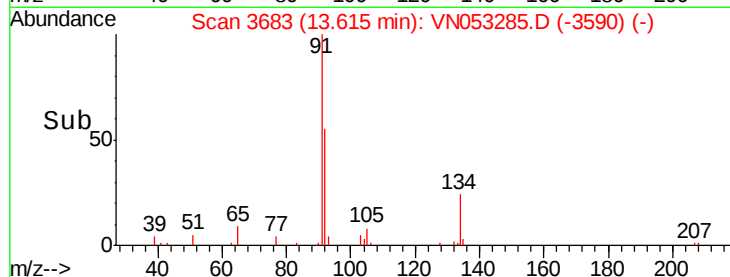
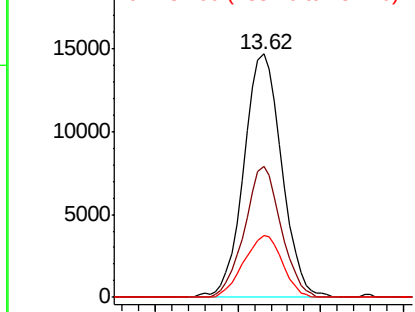
#89
n-Butylbenzene
Concen: 0.786 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 23311
Ion Ratio Lower Upper
91 100
92 51.7 26.3 78.8
134 25.8 13.5 40.5

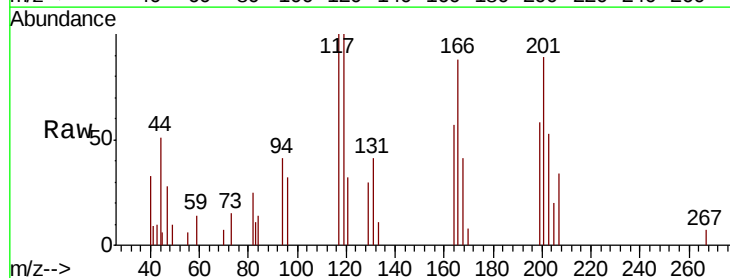


Abundance Ion 91.00 (90.70 to 91.70): VN053285.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN053285.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN053285.D (-3668) (-)

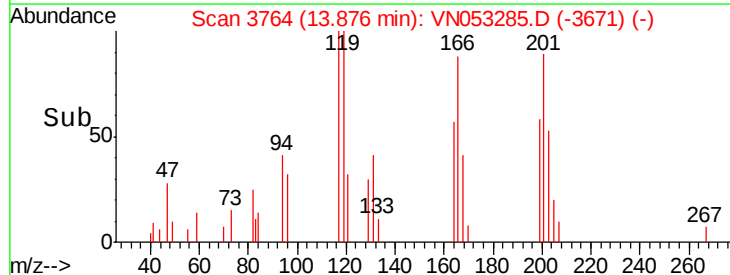
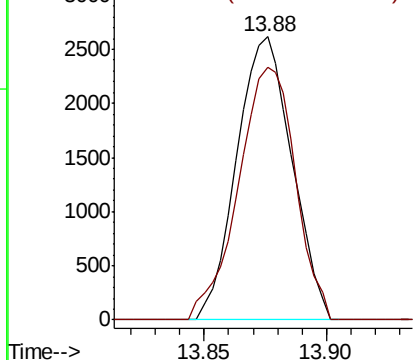


#90
Hexachloroethane
Concen: 0.770 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 16:49

Tgt Ion: 117 Resp: 4102
Ion Ratio Lower Upper
117 100
201 92.3 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053285.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN053285.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.875 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

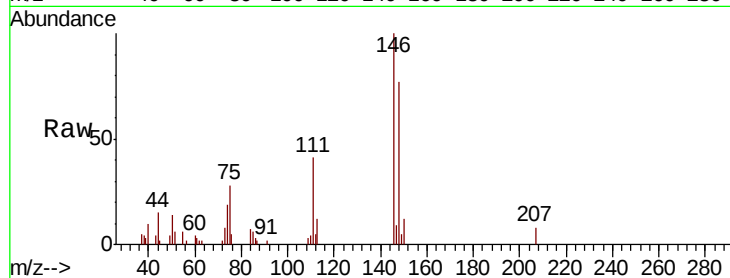
Tgt Ion:146 Resp: 15612

Ion Ratio Lower Upper

146 100

111 41.3 19.4 58.2

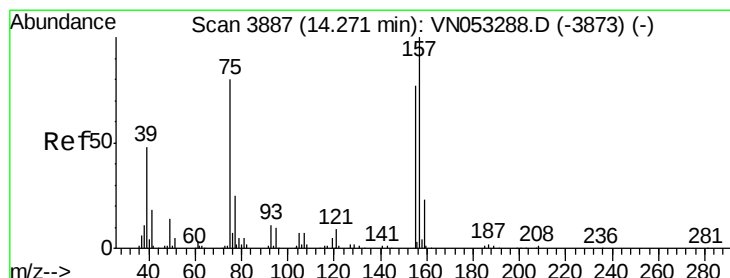
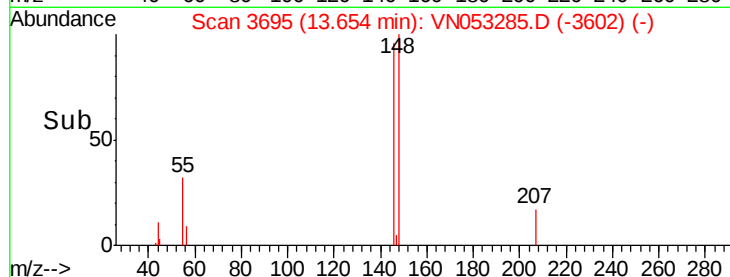
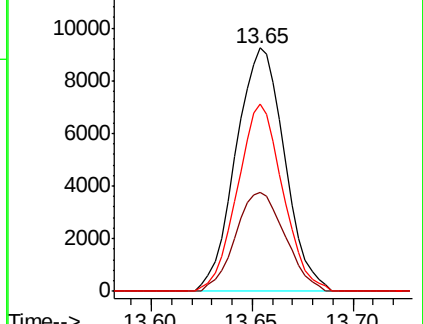
148 71.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.799 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

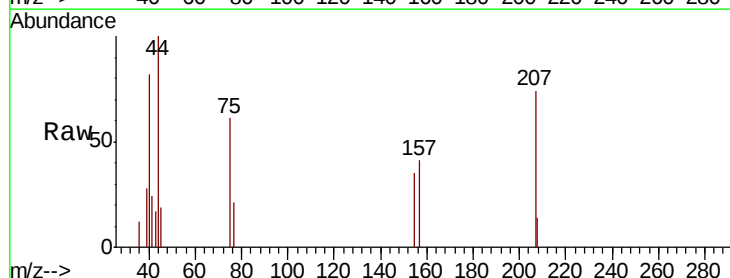
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

75 100

155 64.9 48.1 144.3

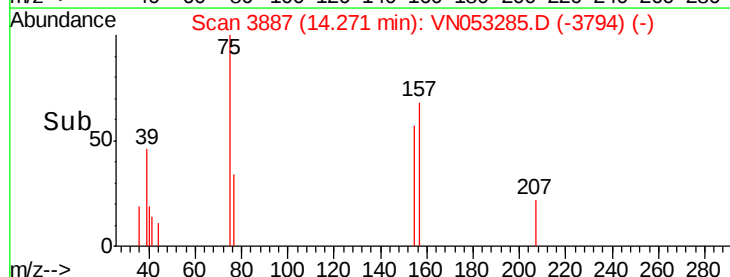
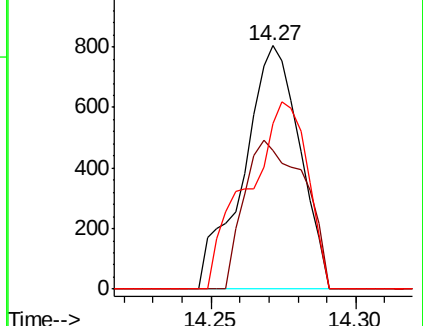
157 82.2 61.5 184.4

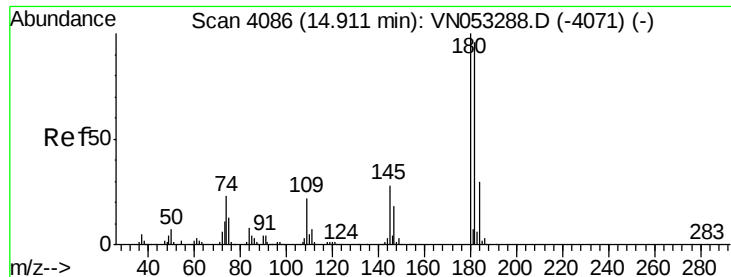


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

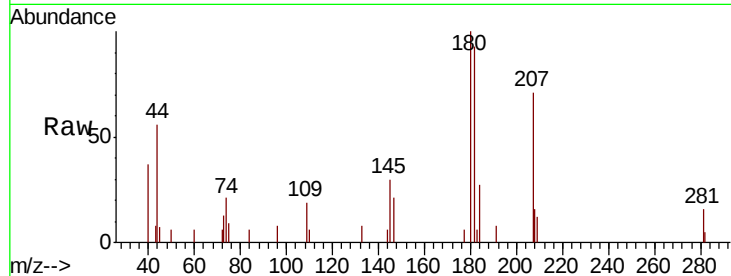




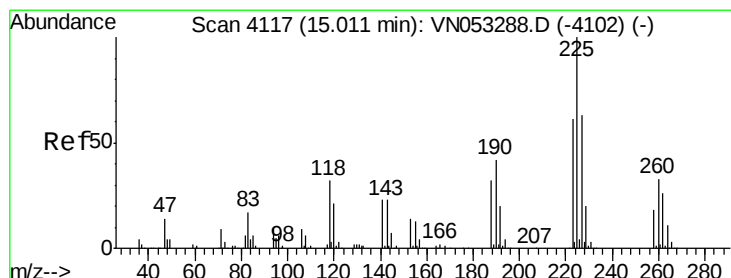
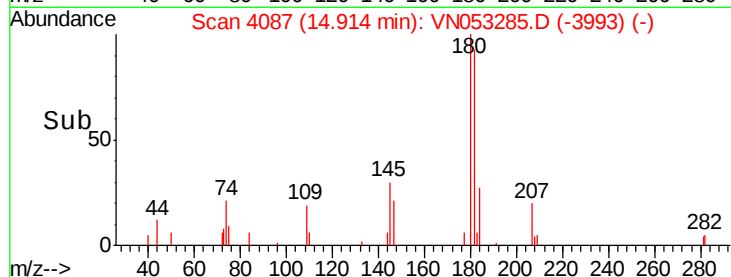
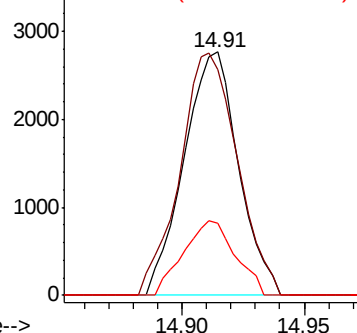
#93
 1,2,4-Trichlorobenzene
 Concen: 0.426 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 4279
 Ion Ratio Lower Upper
 180 100
 182 104.8 47.8 143.4
 145 29.3 14.4 43.0

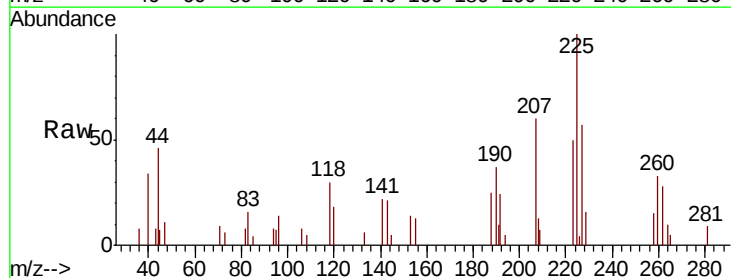


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

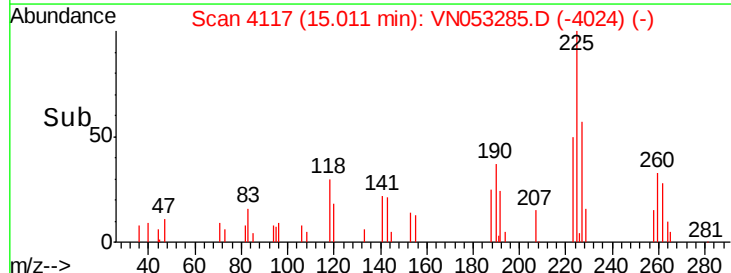
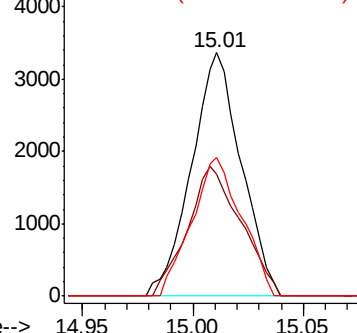


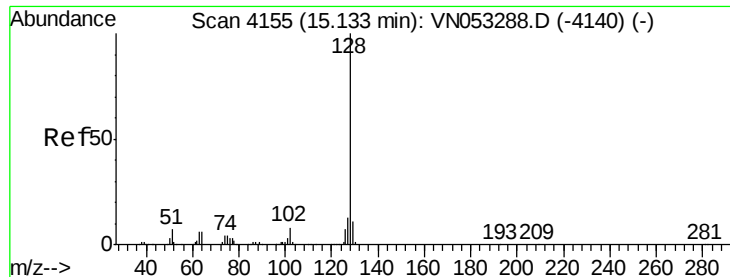
#94
 Hexachlorobutadiene
 Concen: 0.867 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 16:49

Tgt Ion:225 Resp: 5268
 Ion Ratio Lower Upper
 225 100
 223 56.9 30.9 92.8
 227 56.9 31.4 94.2



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: 0.320 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

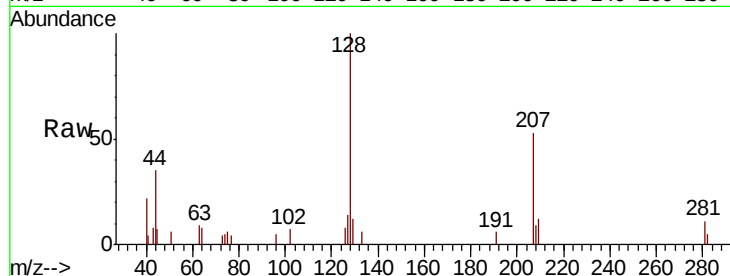
Tgt Ion:128 Resp: 6977

Ion Ratio Lower Upper

128 100

127 11.0 10.4 15.6

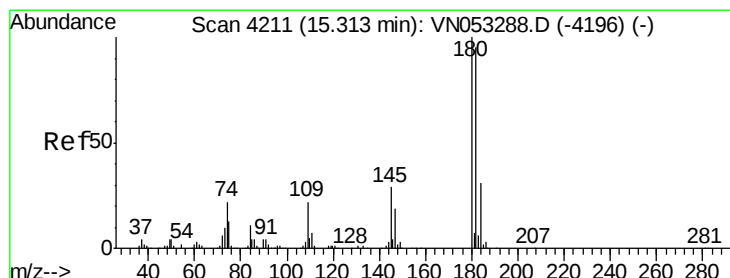
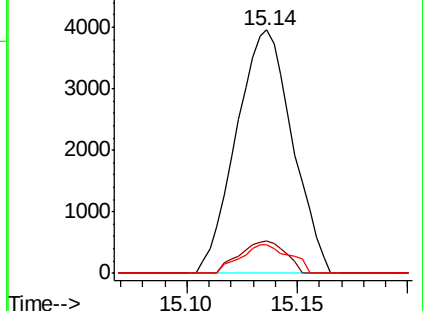
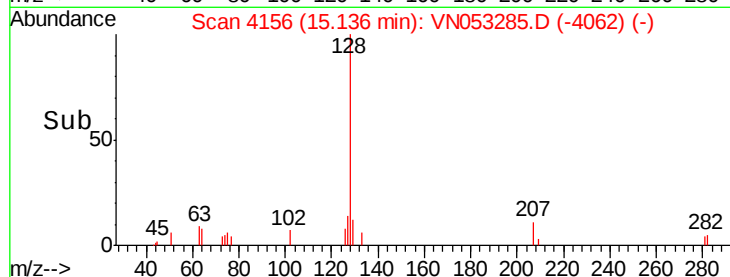
129 10.4 8.7 13.1



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: 0.308 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 16:49

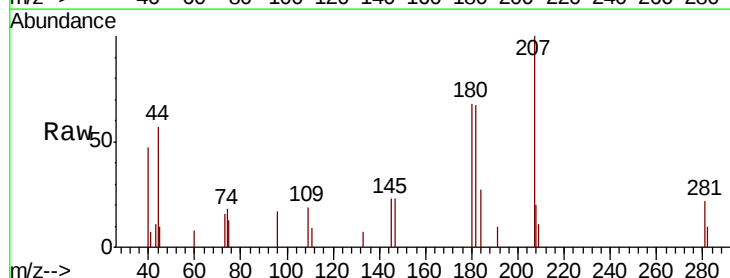
Tgt Ion:180 Resp: 2814

Ion Ratio Lower Upper

180 100

182 99.6 48.4 145.0

145 27.0 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

