

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058152.D
 Acq On : 18 Sep 2019 9:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 19 01:42:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	563932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	957566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	8654	0.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.62%	
35) Dibromofluoromethane	7.58	113	6337	0.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.54%	
50) Toluene-d8	10.09	98	28057	0.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.76%	
62) 4-Bromofluorobenzene	12.41	95	11605	0.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4881	0.677	ug/l	99
3) Chloromethane	2.04	50	6118	0.838	ug/l #	84
4) Vinyl Chloride	2.17	62	5777	0.749	ug/l #	88
5) Bromomethane	2.55	94	3525	0.773	ug/l	89
6) Chloroethane	2.69	64	4048	0.819	ug/l	94
7) Trichlorofluoromethane	3.00	101	7493	0.763	ug/l	91
8) Diethyl Ether	3.40	74	3298	0.790	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5333	0.850	ug/l	99
10) Methyl Iodide	3.93	142	3345	0.503	ug/l #	98
11) Tert butyl alcohol	4.76	59	729	0.573	ug/l #	74
12) 1,1-Dichloroethene	3.71	96	4964	0.882	ug/l	86
13) Acrolein	3.58	56	411	0.427	ug/l #	57
14) Allyl chloride	4.29	41	7852	0.710	ug/l	88
15) Acrylonitrile	4.96	53	4736	1.325	ug/l #	1
16) Acetone	3.80	43	15853	4.511	ug/l	97
17) Carbon Disulfide	4.03	76	8342	0.813	ug/l	98
18) Methyl Acetate	4.31	43	8696	0.925	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	17693	0.752	ug/l	93
20) Methylene Chloride	4.53	84	6615	0.866	ug/l #	86
21) trans-1,2-Dichloroethene	5.02	96	5093	0.837	ug/l #	72
22) Diisopropyl ether	5.93	45	19472	0.751	ug/l #	82
23) Vinyl Acetate	5.88	43	65724	3.596	ug/l	99
24) 1,1-Dichloroethane	5.82	63	6574	0.464	ug/l	99
25) 2-Butanone	6.82	43	17509	3.440	ug/l	92
26) 2,2-Dichloropropane	6.80	77	4514	0.402	ug/l #	51
27) cis-1,2-Dichloroethene	6.81	96	6087	0.743	ug/l	83
28) Bromochloromethane	7.17	49	5416	0.766	ug/l #	92
29) Tetrahydrofuran	7.20	42	11660	3.717	ug/l	93
30) Chloroform	7.35	83	12665	0.853	ug/l	99
31) Cyclohexane	7.64	56	22466	2.154	ug/l #	27
32) 1,1,1-Trichloroethane	7.56	97	8175	0.695	ug/l #	52
36) 1,1-Dichloropropene	7.78	75	8288	0.796	ug/l	97
38) Carbon Tetrachloride	7.75	117	2837	0.297	ug/l	92
39) Methylcyclohexane	9.07	83	8640	0.792	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.03	78	23161	0.739	ug/l	98
41) Methacrylonitrile	7.19	41	11096	2.269	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	9633	0.766	ug/l	95
43) Isopropyl Acetate	8.16	43	14194	0.782	ug/l #	78
44) Trichloroethene	8.82	130	5241	0.680	ug/l	83
45) 1,2-Dichloropropane	9.11	63	6319	0.691	ug/l	90
46) Dibromomethane	9.20	93	3952	0.715	ug/l	97
47) Bromodichloromethane	9.39	83	7527	0.684	ug/l #	96
48) Methyl methacrylate	9.19	41	5595	0.611	ug/l	91
49) 1,4-Dioxane	9.19	88	2017	12.968	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	34845	3.282	ug/l	97
52) Toluene	10.15	92	13905	0.705	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	7065	0.611	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	8303	0.650	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	5751	0.688	ug/l	96
56) Ethyl methacrylate	10.43	69	6919	0.552	ug/l #	84
57) 1,3-Dichloropropane	10.70	76	10299	0.715	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	18497	3.165	ug/l	99
59) 2-Hexanone	10.75	43	24817	3.126	ug/l	96
60) Dibromochloromethane	10.90	129	4528	0.584	ug/l	98
61) 1,2-Dibromoethane	11.00	107	5229	0.663	ug/l	99
64) Tetrachloroethene	10.63	164	4566	0.795	ug/l	91
65) Chlorobenzene	11.43	112	15672	0.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4840	0.686	ug/l #	63
67) Ethyl Benzene	11.51	91	26963	0.760	ug/l	91
68) m/p-Xylenes	11.62	106	19794	1.523	ug/l	98
69) o-Xylene	11.95	106	9269	0.720	ug/l	95
70) Stvrene	11.97	104	14330	0.647	ug/l	97
71) Bromoform	12.13	173	2406	0.549	ug/l #	96
73) Isopropylbenzene	12.25	105	25056	0.899	ug/l	100
74) N-amyl acetate	12.07	43	7934	0.658	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	8089	0.863	ug/l #	95
76) 1,2,3-Trichloropropane	12.56	75	9679	1.200	ug/l #	100
77) Bromobenzene	12.53	156	6641	0.951	ug/l	90
78) n-propylbenzene	12.60	91	27662	0.866	ug/l	99
79) 2-Chlorotoluene	12.68	91	16596	0.820	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	19141	0.812	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.31	75	1233	0.540	ug/l #	60
82) 4-Chlorotoluene	12.78	91	17647	0.849	ug/l	100
83) tert-Butylbenzene	13.00	119	17446	0.833	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	19169	0.802	ug/l	99
85) sec-Butylbenzene	13.18	105	23157	0.835	ug/l	98
86) p-Isopropyltoluene	13.29	119	19235	0.789	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	10374	0.813	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	10374	0.798	ug/l	97
89) n-Butylbenzene	13.62	91	18444	0.798	ug/l	98
90) Hexachloroethane	13.88	117	2556	0.701	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	10487	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1155	0.743	ug/l #	22
93) 1,2,4-Trichlorobenzene	14.92	180	6046	0.716	ug/l	98

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QLast Update : Thu Sep 19 01:40:20 2019
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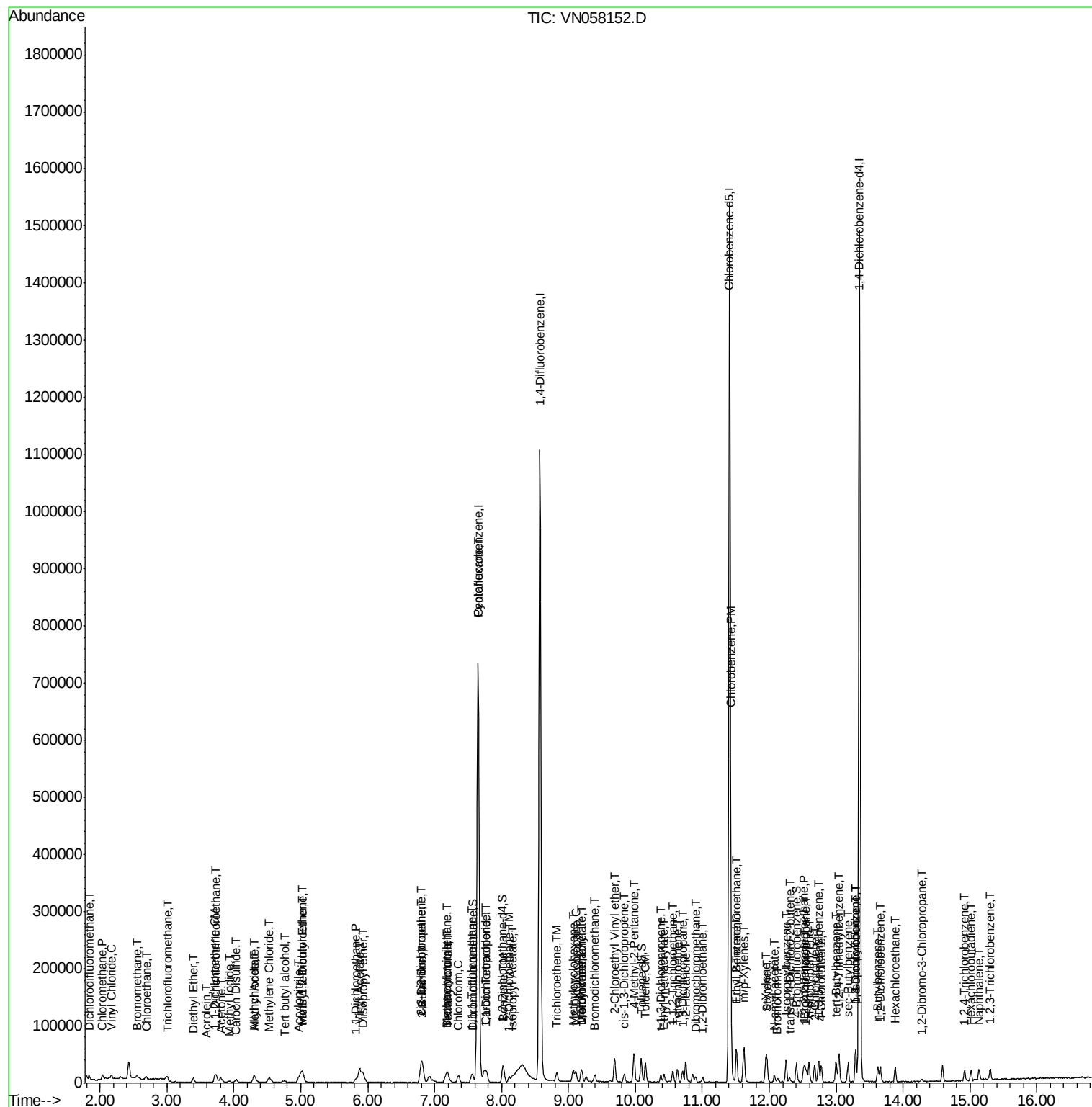
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	3061	0.845	ug/l	97
95) Naphthalene	15.13	128	14966	0.619	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5615	0.680	ug/l	96

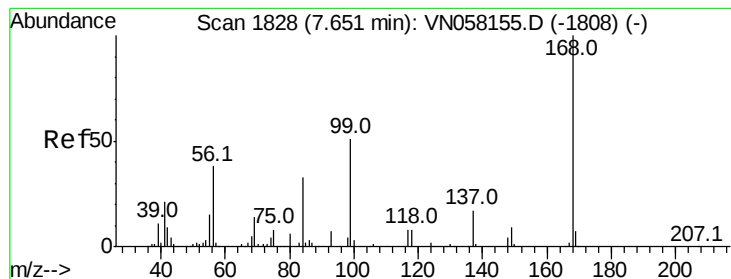
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

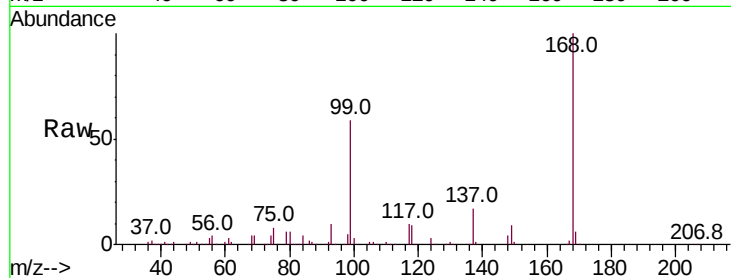
VSTDIC001

Tot Ion:168 Resp: 563932

Ion Ratio Lower Upper

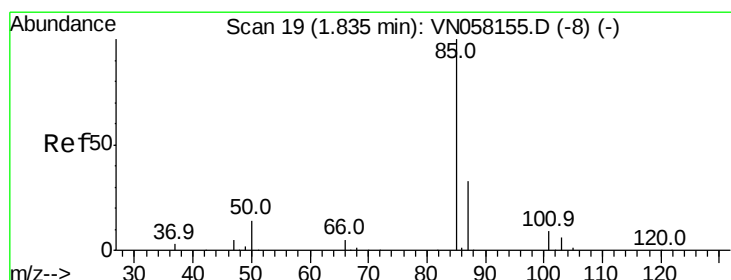
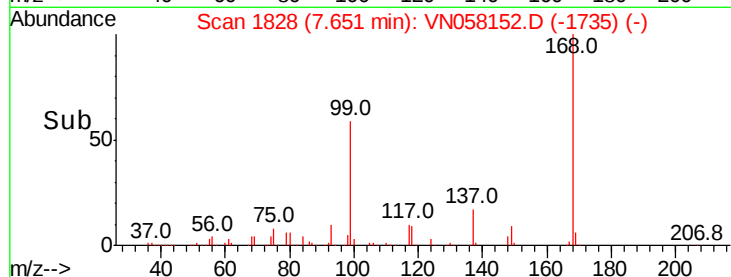
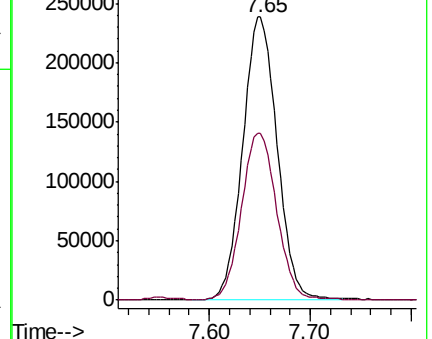
168 100

99 58.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.677 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058152.D

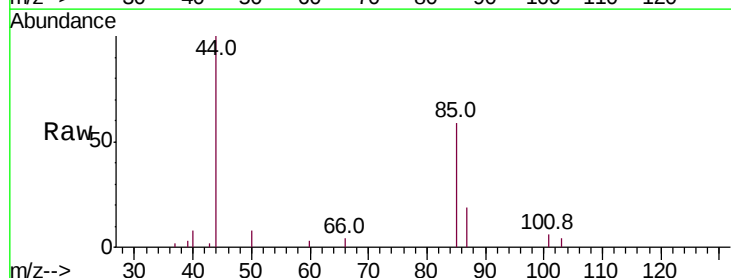
Acq: 18 Sep 2019 9:21

Tgt Ion: 85 Resp: 4881

Ion Ratio Lower Upper

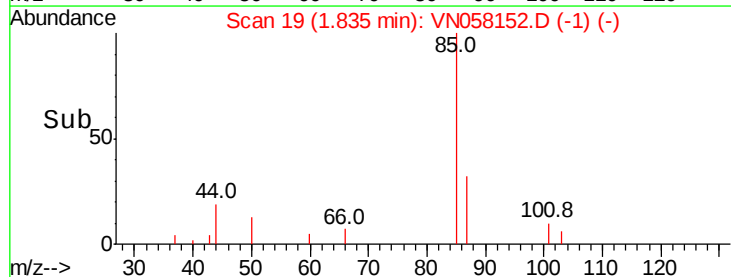
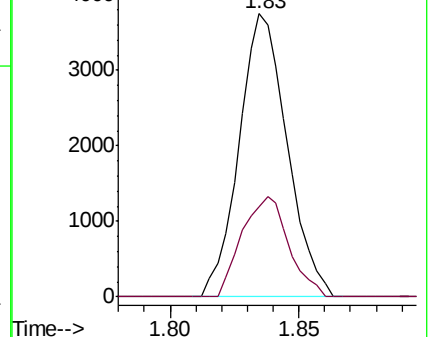
85 100

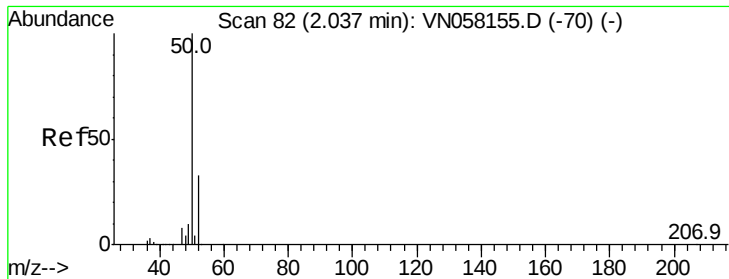
87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.838 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

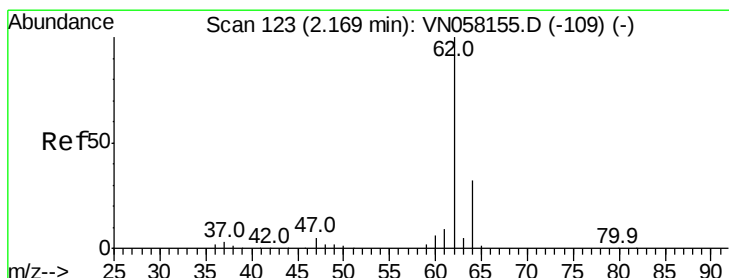
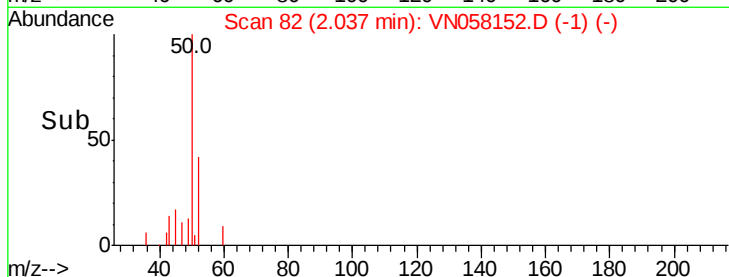
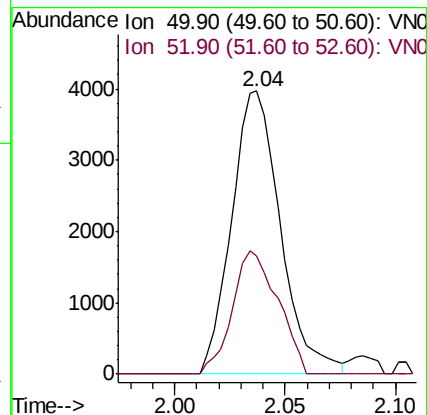
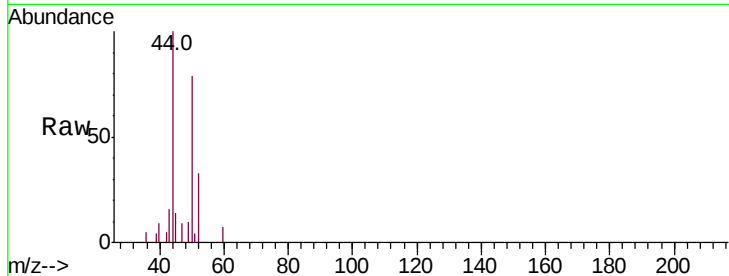
VSTDIC001

Tot Ion: 50 Resp: 6118

Ion Ratio Lower Upper

50 100

52 41.8 26.3 39.5#



#4

Vinyl Chloride

Concen: 0.749 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058152.D

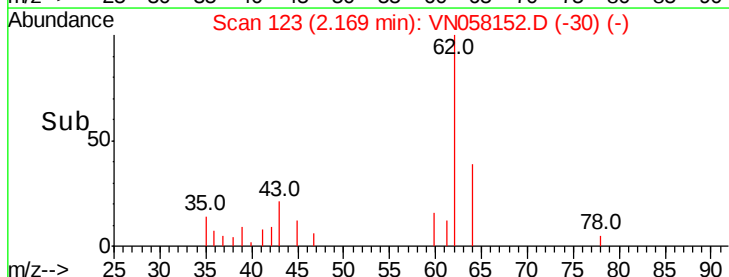
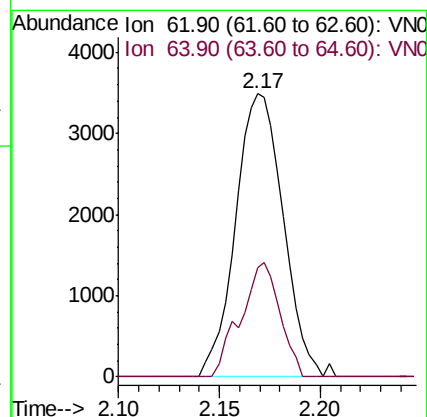
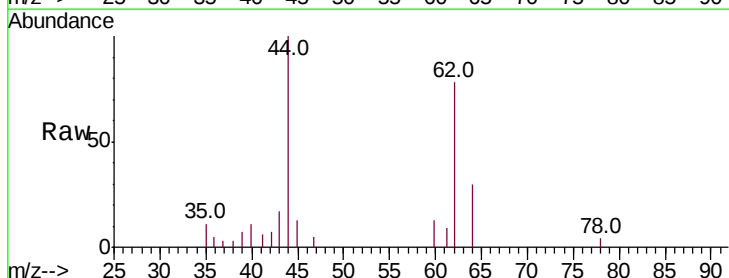
Acq: 18 Sep 2019 9:21

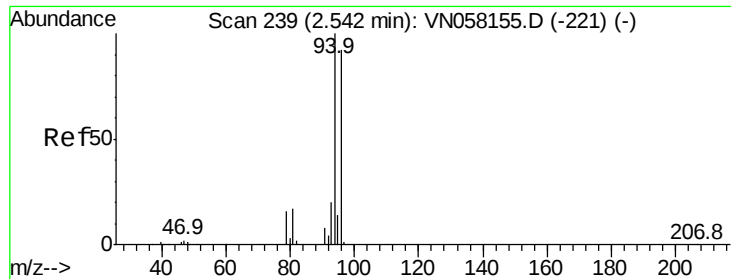
Tgt Ion: 62 Resp: 5777

Ion Ratio Lower Upper

62 100

64 38.7 25.4 38.2#





#5

Bromomethane

Concen: 0.773 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

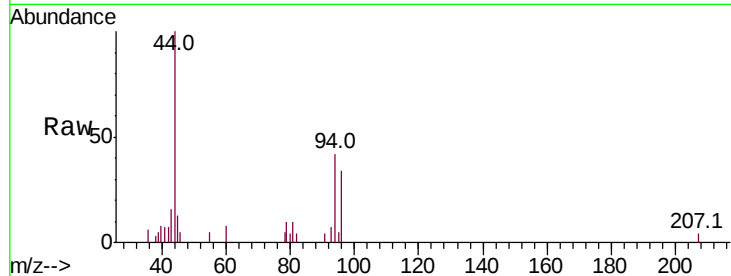
VSTDIC001

Tot Ion: 94 Resp: 3525

Ion Ratio Lower Upper

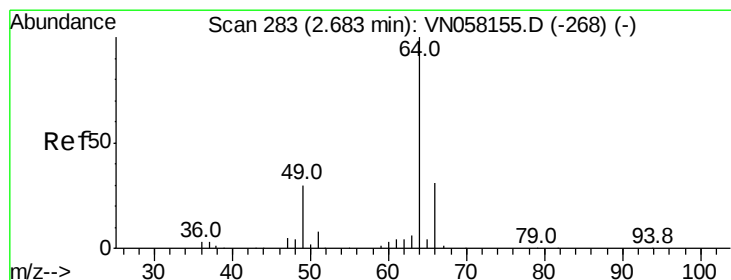
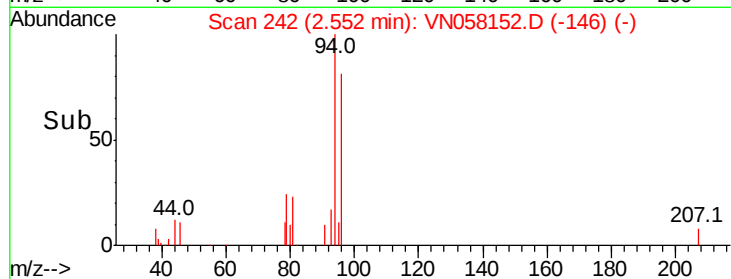
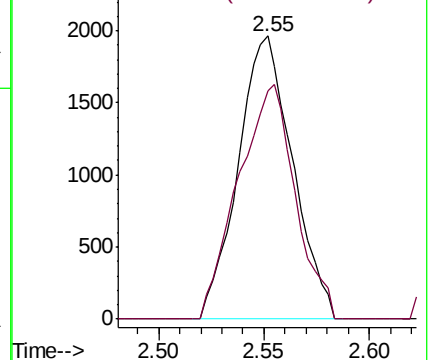
94 100

96 80.7 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.819 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058152.D

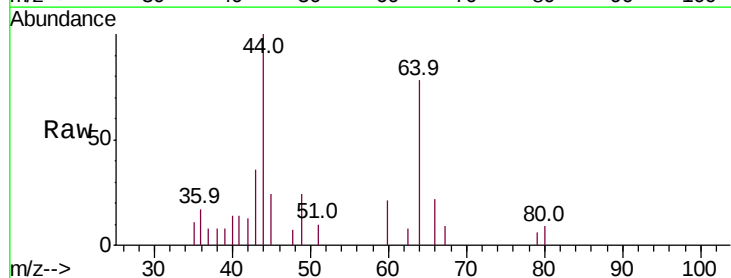
Acq: 18 Sep 2019 9:21

Tgt Ion: 64 Resp: 4048

Ion Ratio Lower Upper

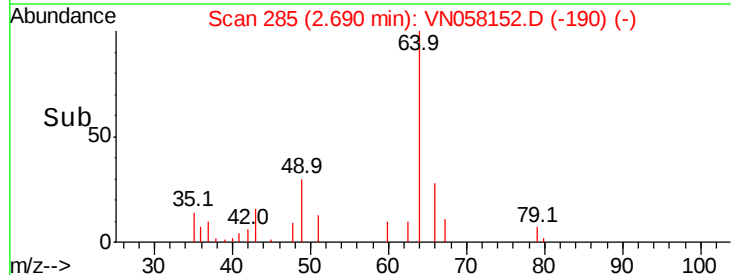
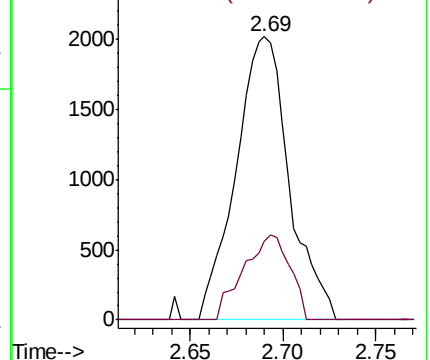
64 100

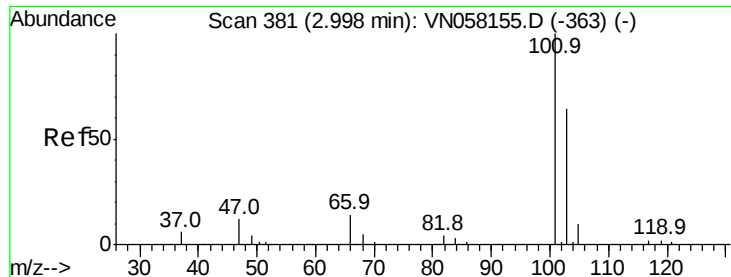
66 27.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



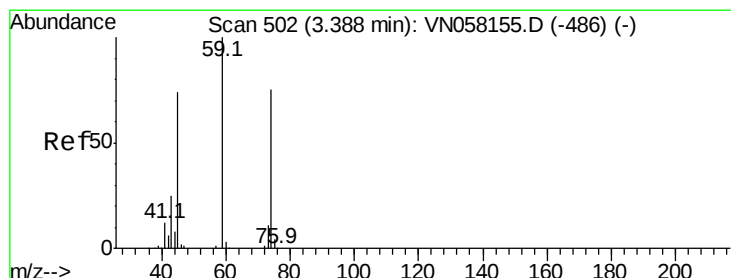
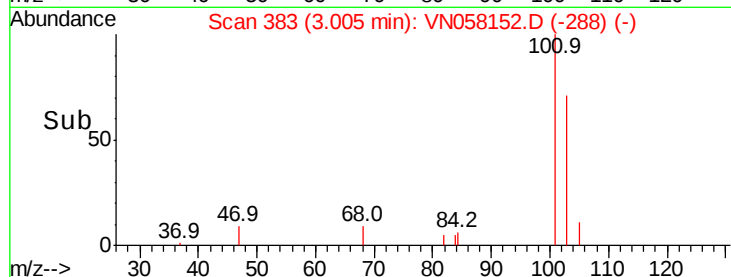
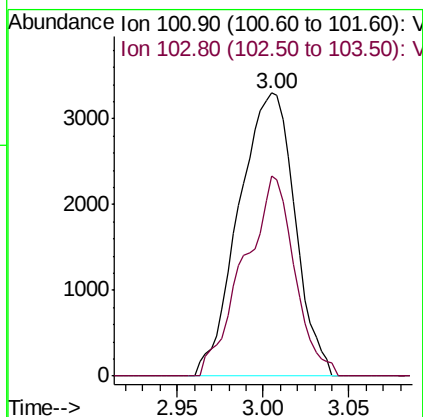
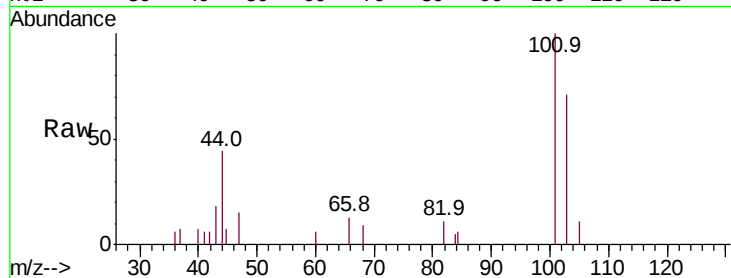


#7

Trichlorofluoromethane
Concen: 0.763 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
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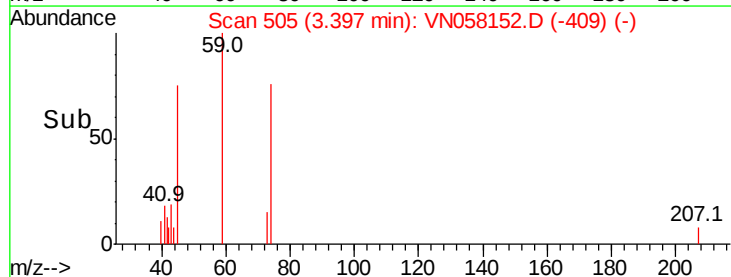
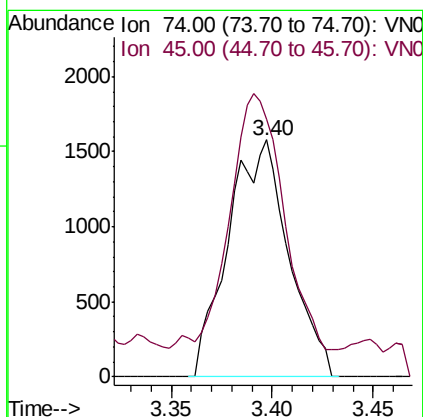
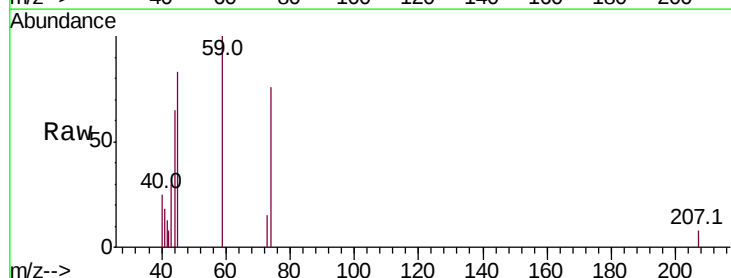
Tot Ion:101 Resp: 7493
Ion Ratio Lower Upper
101 100
103 70.8 51.0 76.6

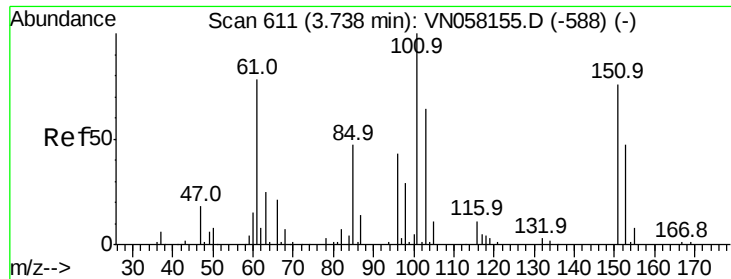


#8

Diethyl Ether
Concen: 0.790 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 74 Resp: 3298
Ion Ratio Lower Upper
74 100
45 107.3 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.850 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

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VSTDIC001

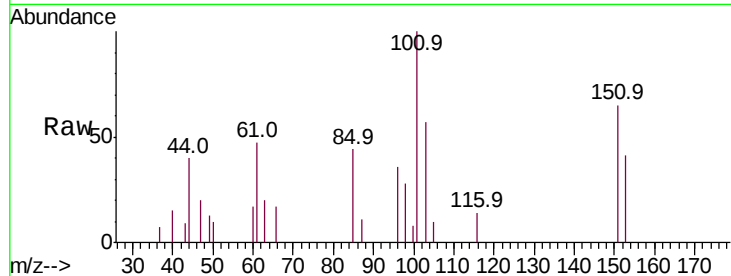
Tot Ion:101 Resp: 5333

Ion Ratio Lower Upper

101 100

85 47.7 37.3 55.9

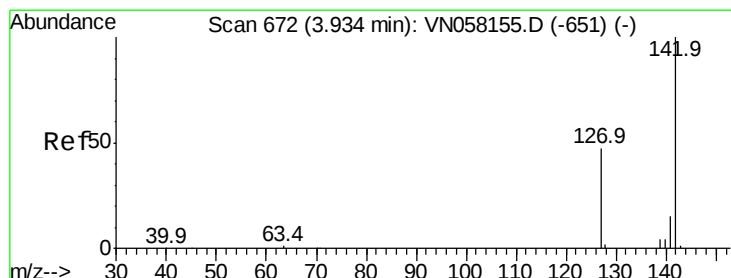
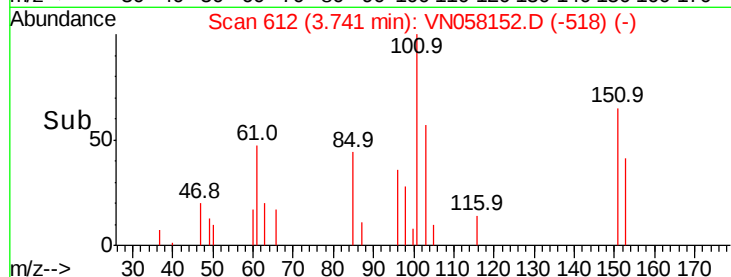
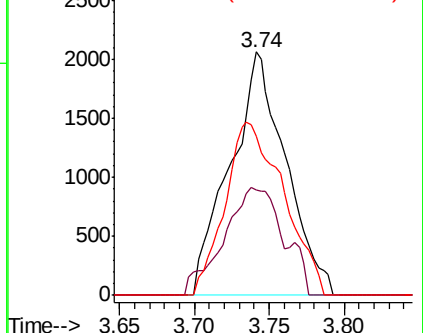
151 74.7 59.6 89.4



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: 0.503 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

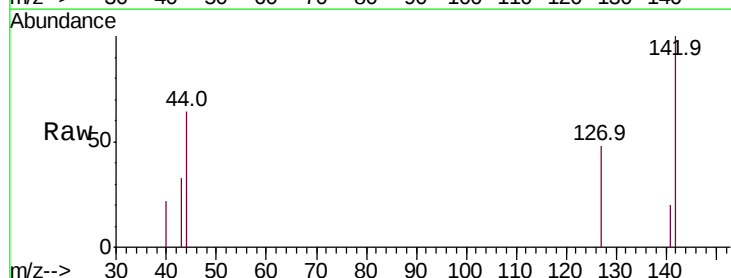
Tgt Ion:142 Resp: 3345

Ion Ratio Lower Upper

142 100

127 47.2 37.5 56.3

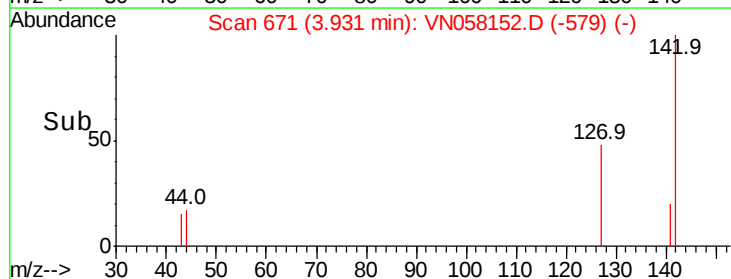
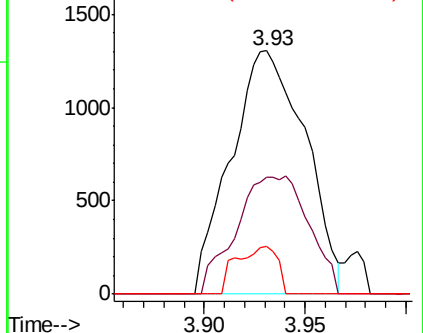
141 10.9 11.4 17.2#

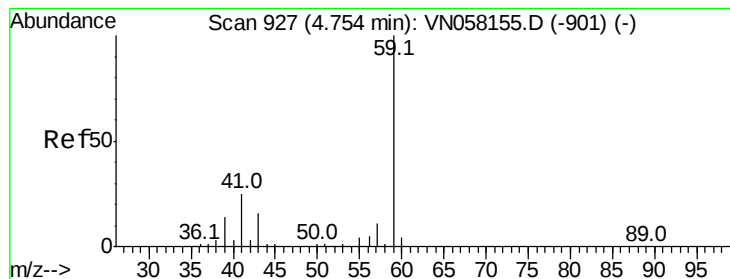


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



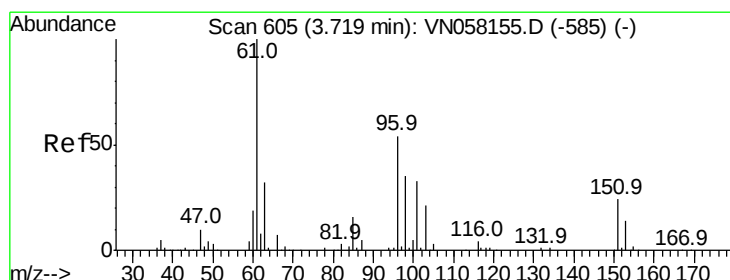
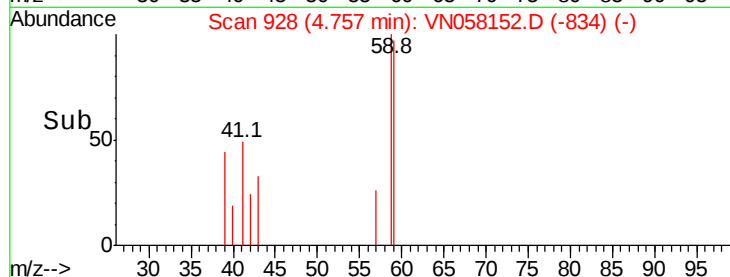
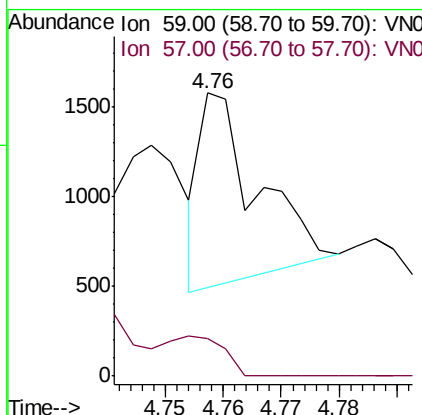
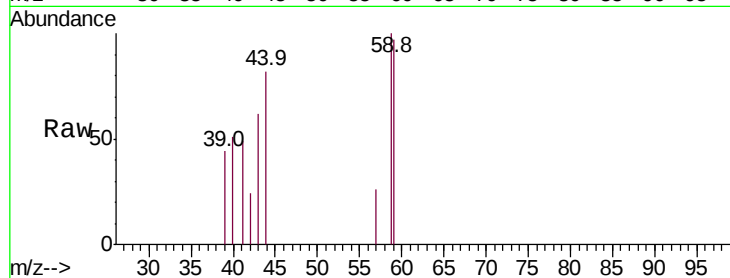


#11

Tert butvl alcohol
Concen: 0.573 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

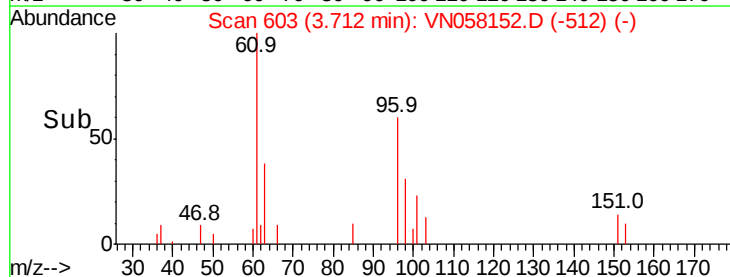
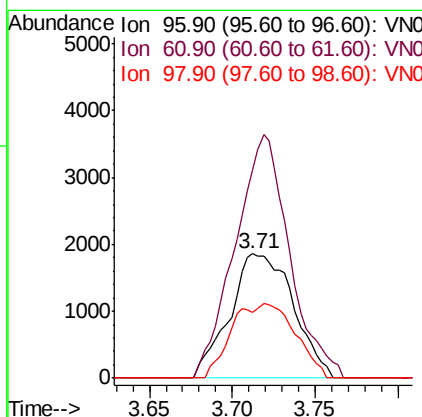
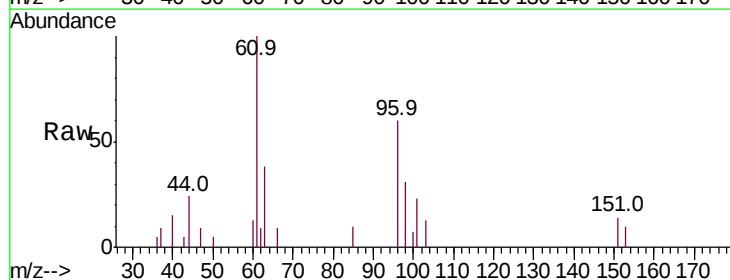
Tot Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 20.7 8.6 13.0#

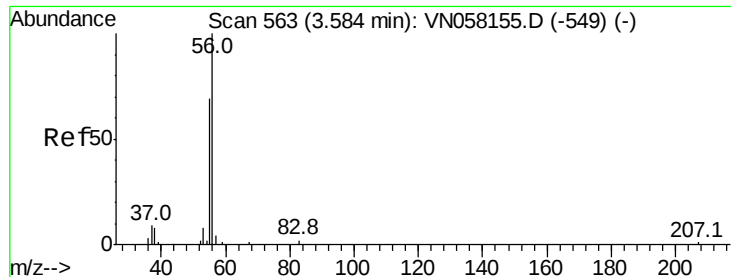


#12

1,1-Dichloroethene
Concen: 0.882 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 96 Resp: 4964
Ion Ratio Lower Upper
96 100
61 167.2 149.5 224.3
98 52.5 52.4 78.6





#13

Acrolein

Concen: 0.427 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

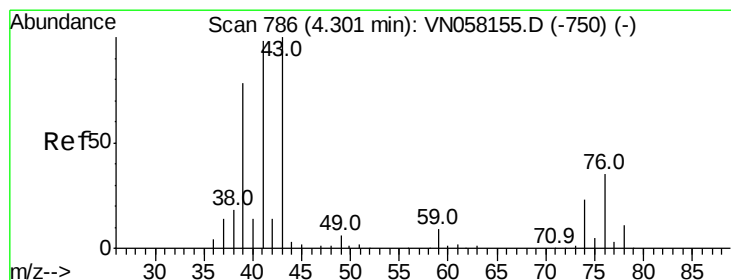
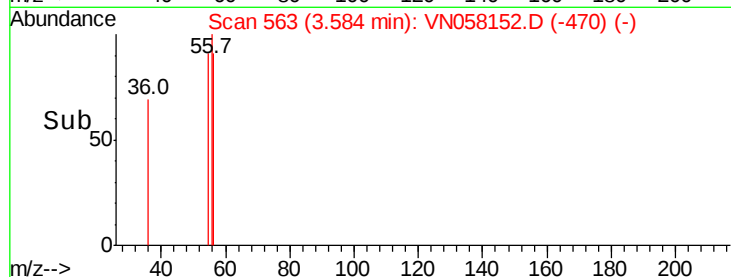
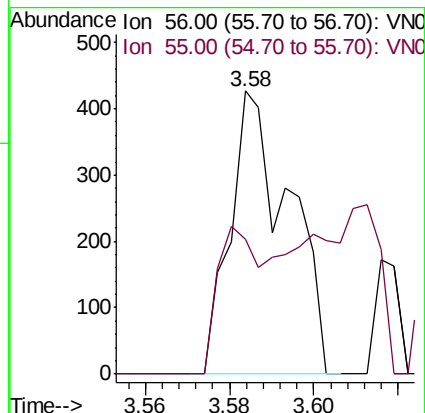
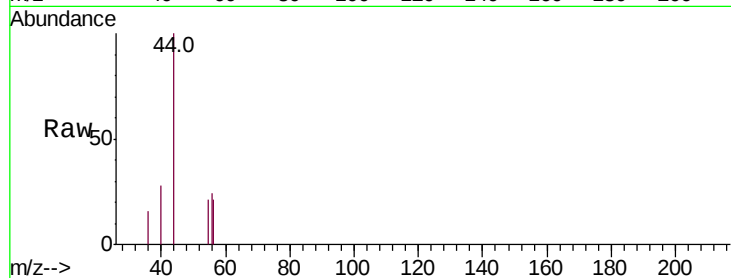
VSTDIC001

Tot Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 35.0 56.1 84.1#



#14

Allyl chloride

Concen: 0.710 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

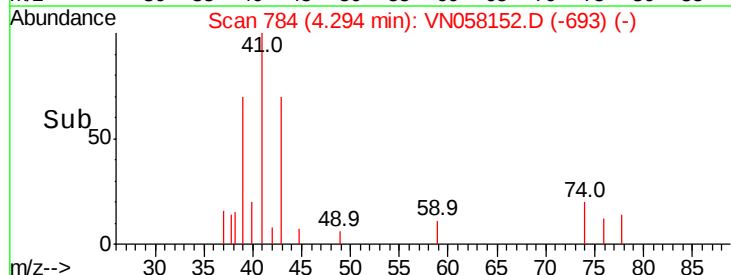
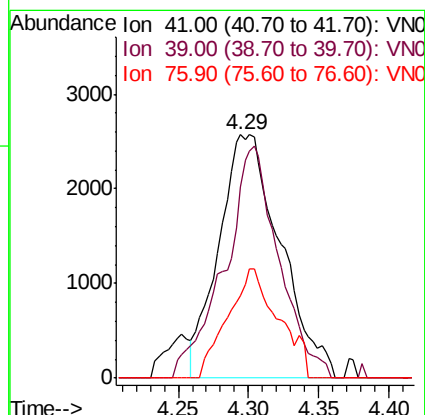
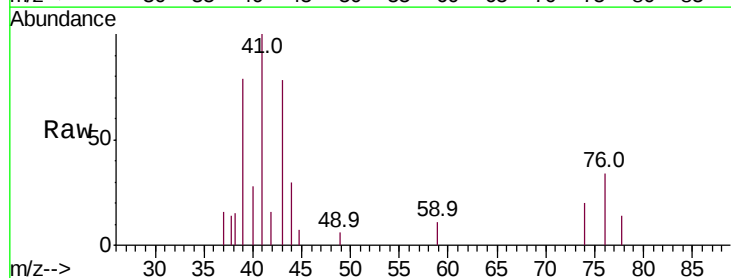
Tgt Ion: 41 Resp: 7852

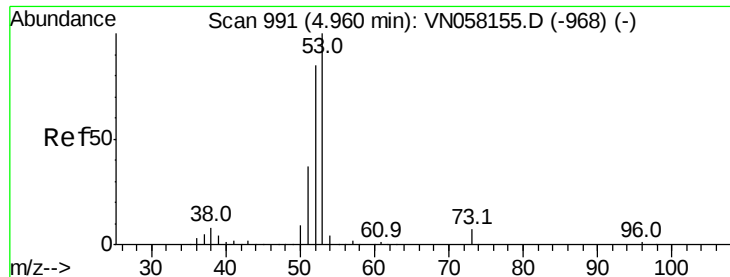
Ion Ratio Lower Upper

41 100

39 84.2 59.1 88.7

76 37.0 25.1 37.7





#15

Acrylonitrile

Concen: 1.325 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

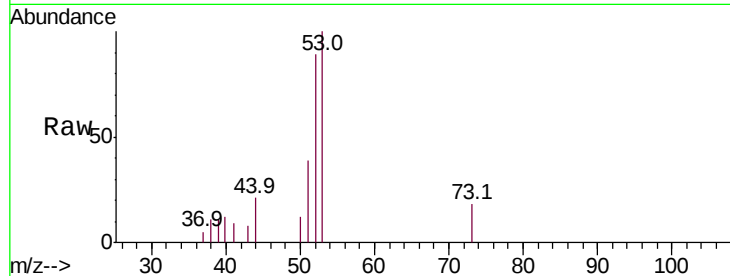
Tot Ion: 53 Resp: 4736

Ion Ratio Lower Upper

53 100

52 214.6 66.6 100.0#

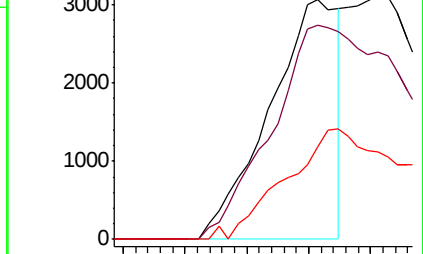
51 89.5 29.7 44.5#



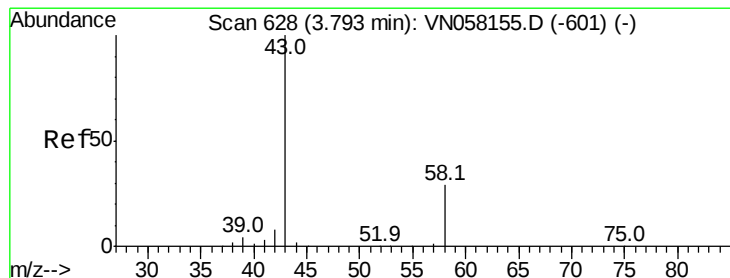
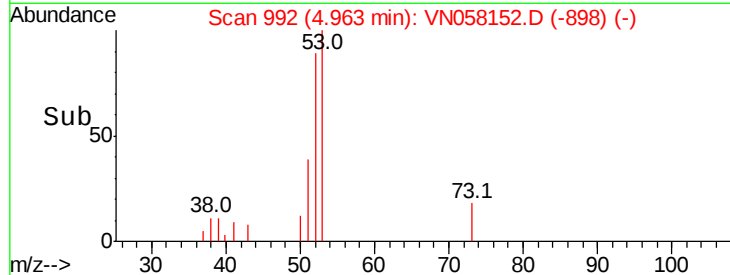
Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO



Time--> 4.90 4.92 4.94 4.96 4.98



#16

Acetone

Concen: 4.511 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058152.D

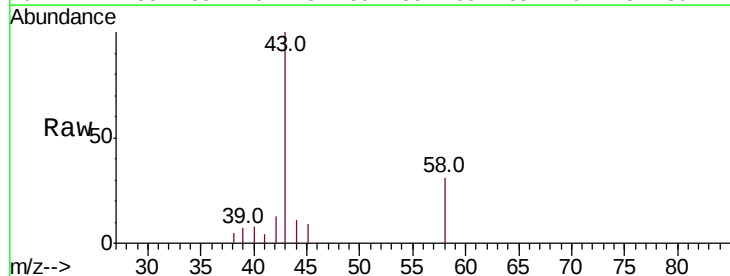
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 15853

Ion Ratio Lower Upper

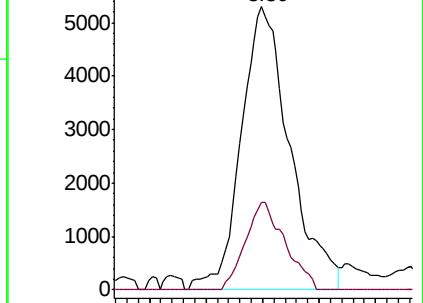
43 100

58 31.0 23.4 35.2

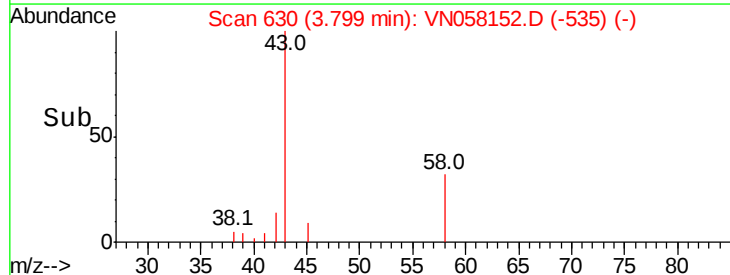


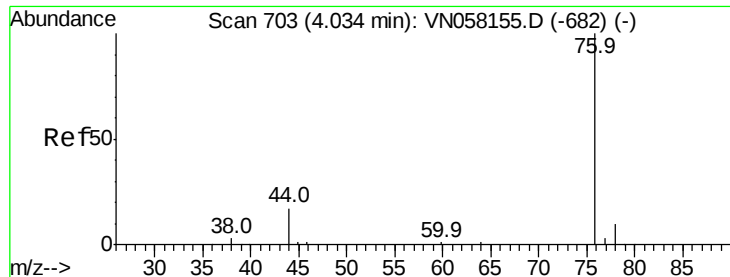
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



Time--> 3.70 3.75 3.80 3.85 3.90

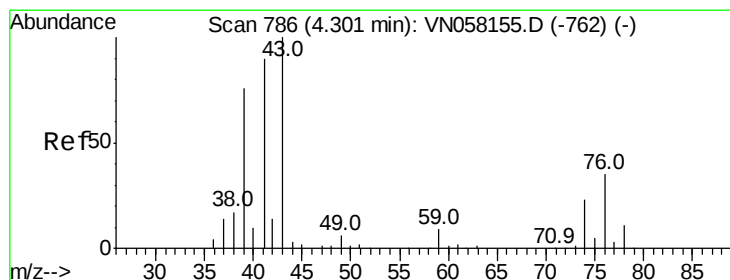
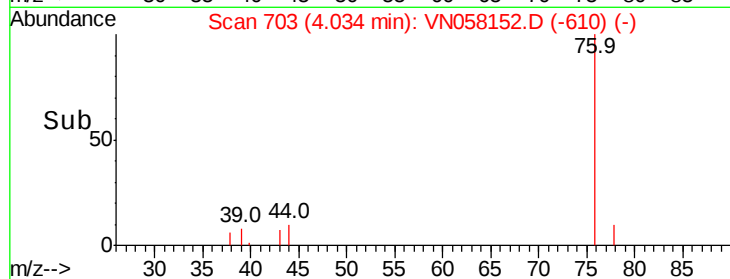
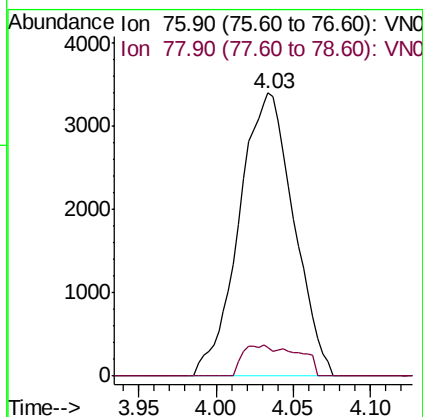
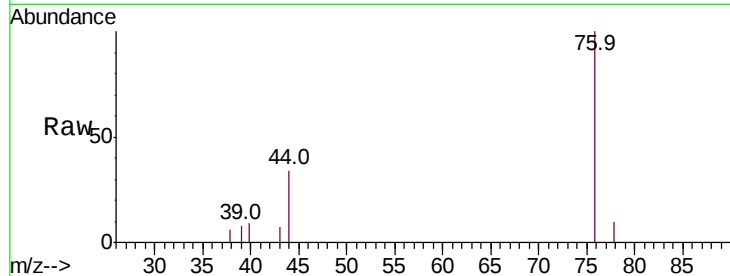




#17
Carbon Disulfide
Concen: 0.813 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

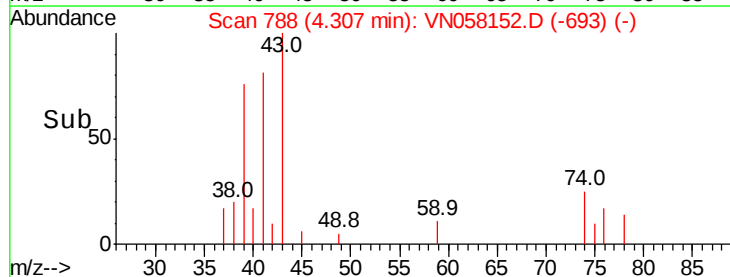
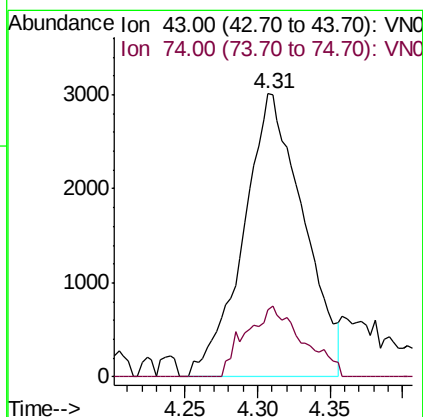
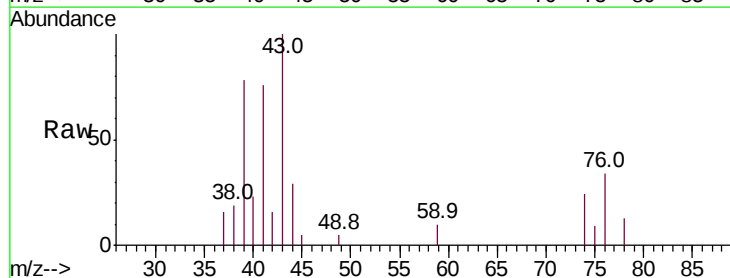
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

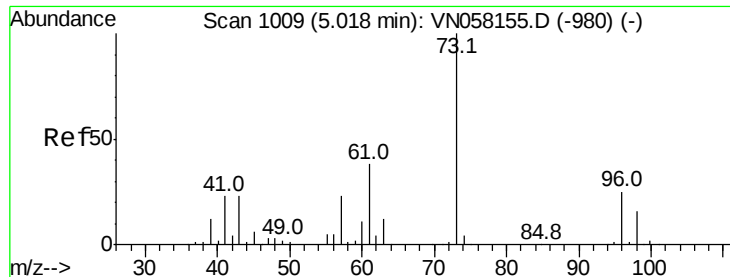
Tot Ion: 76 Resp: 8342
Ion Ratio Lower Upper
76 100
78 10.3 7.7 11.5



#18
Methyl Acetate
Concen: 0.925 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0

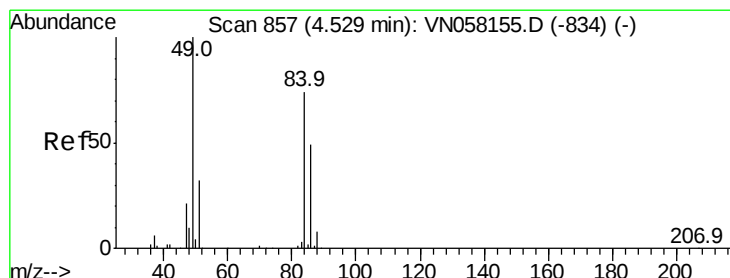
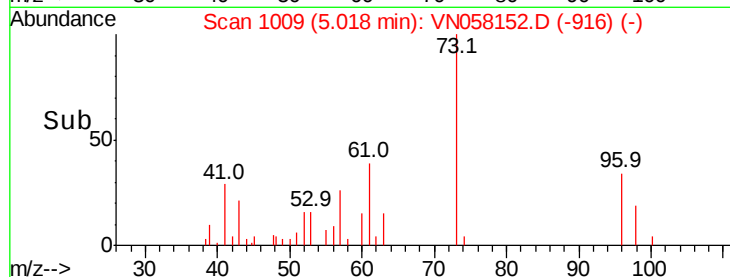
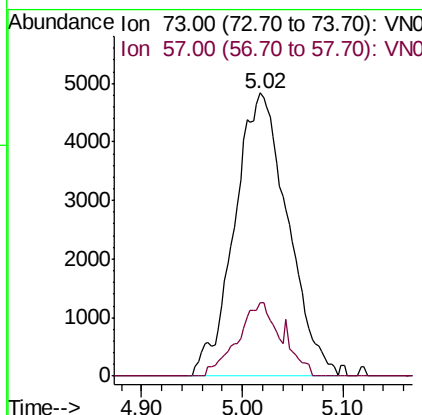
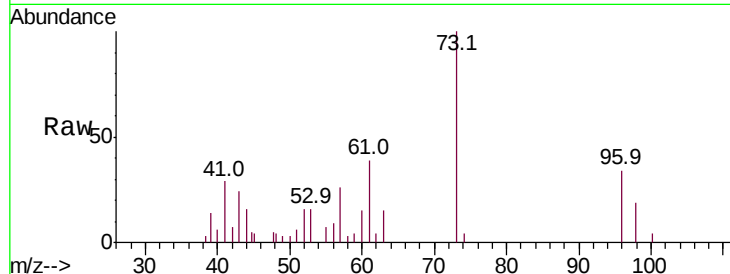




#19
Methvl tert-butvl Ether
Concen: 0.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

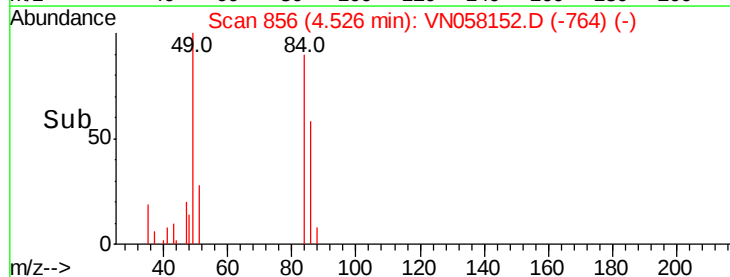
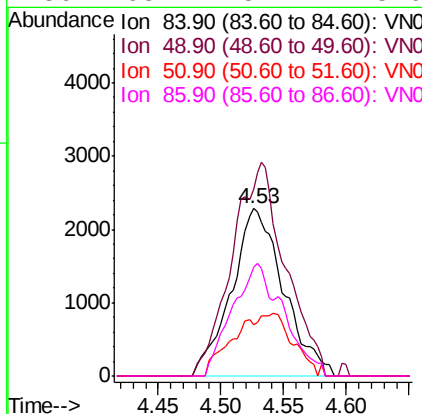
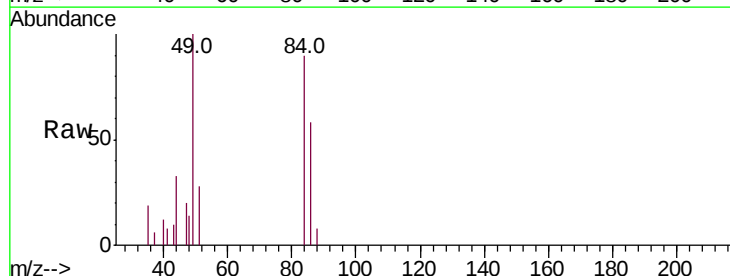
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

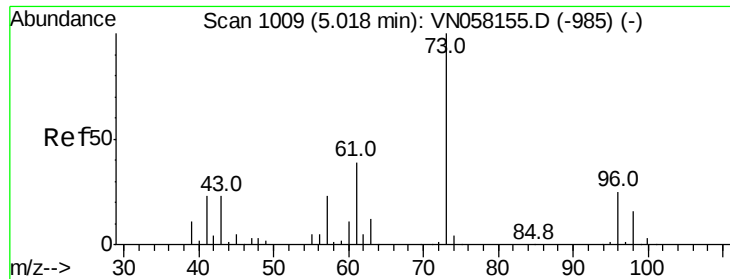
Tot Ion: 73 Resp: 17693
Ion Ratio Lower Upper
73 100
57 26.0 18.1 27.1



#20
Methylene Chloride
Concen: 0.866 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 84 Resp: 6615
Ion Ratio Lower Upper
84 100
49 111.4 107.5 161.3
51 30.6 33.9 50.9#
86 65.1 52.4 78.6

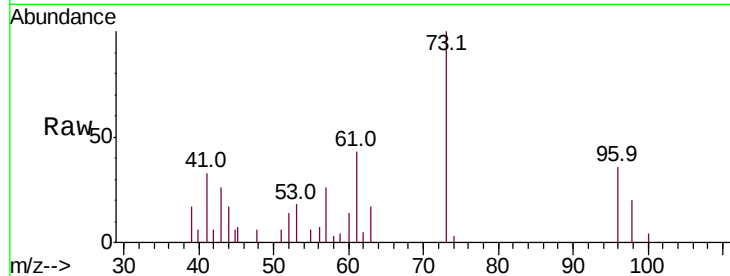




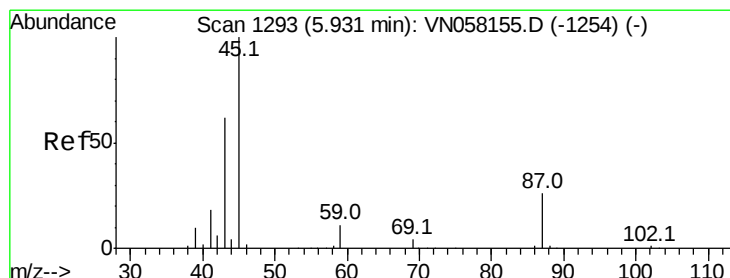
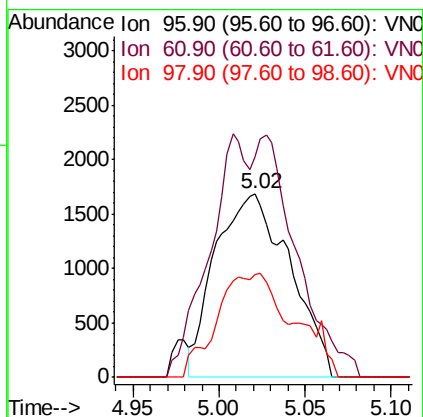
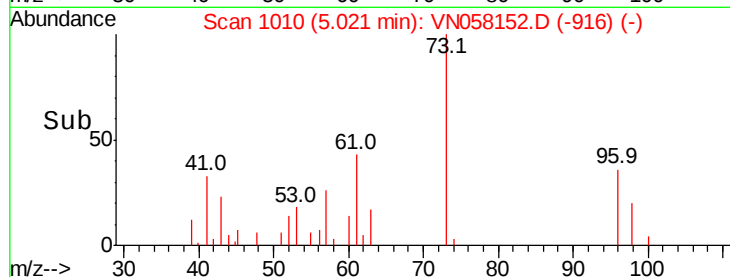
#21
trans-1,2-Dichloroethene
Concen: 0.837 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 96 Resp: 5093
Ion Ratio Lower Upper
96 100
61 107.1 122.2 183.4#
98 55.9 49.9 74.9

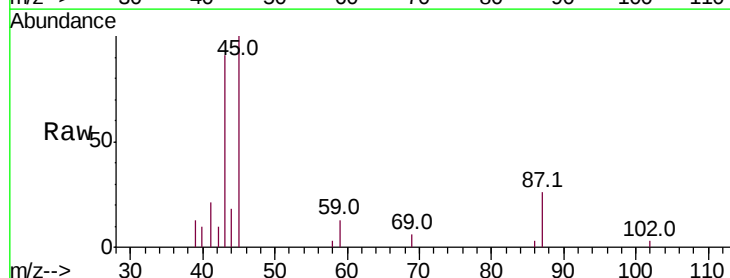


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

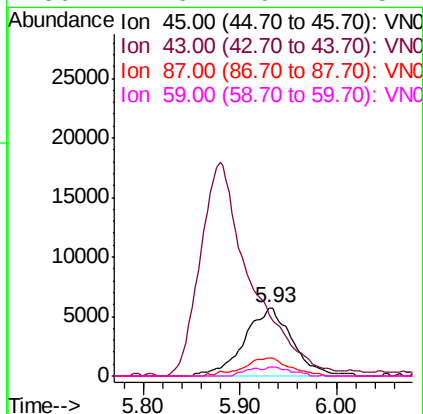
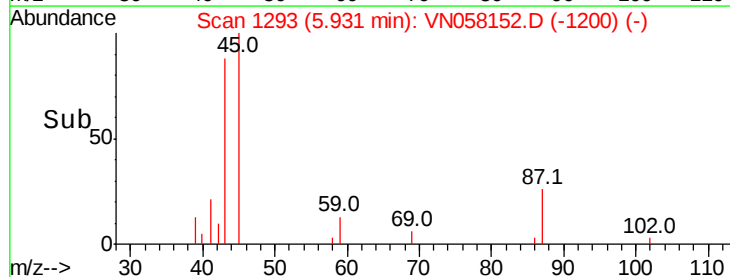


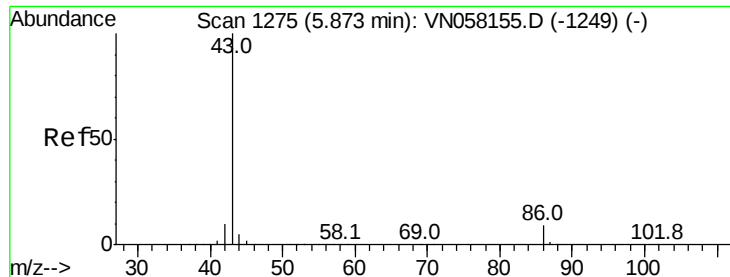
#22
Diisopropyl ether
Concen: 0.751 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 45 Resp: 19472
Ion Ratio Lower Upper
45 100
43 83.2 49.7 74.5#
87 26.4 20.7 31.1
59 12.6 9.1 13.7



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





#23

Vinyl Acetate

Concen: 3.596 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

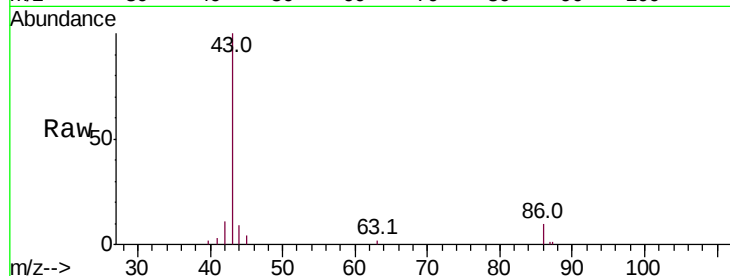
VSTDIC001

Tot Ion: 43 Resp: 65724

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

20000

15000

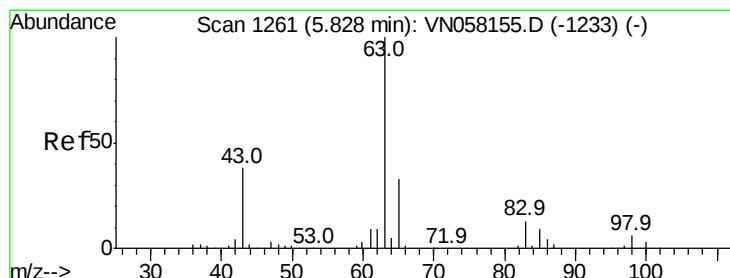
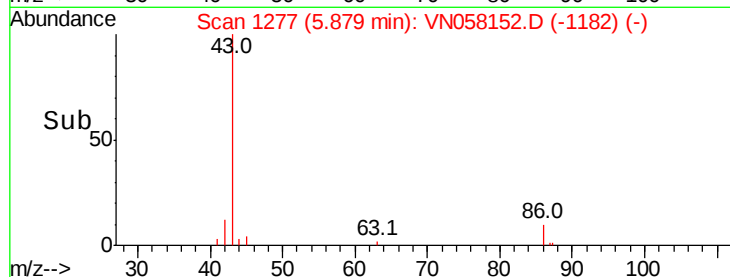
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 0.464 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

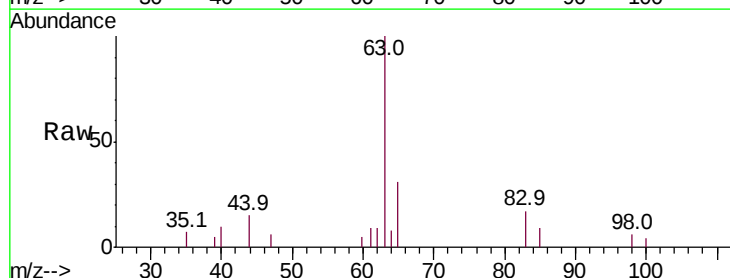
Tgt Ion: 63 Resp: 6574

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 4.4 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

4000

3000

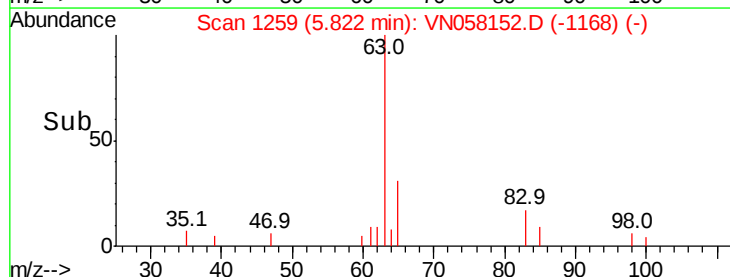
2000

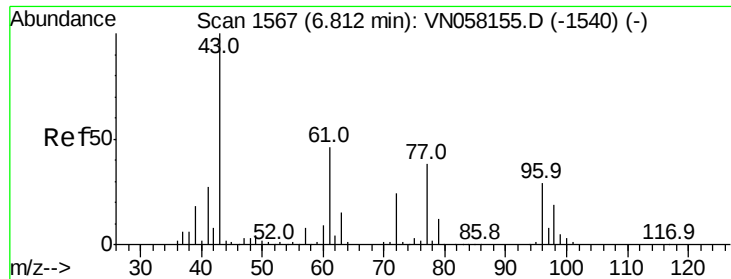
1000

0

Time-->

5.75 5.80 5.85





#25

2-Butanone

Concen: 3.440 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

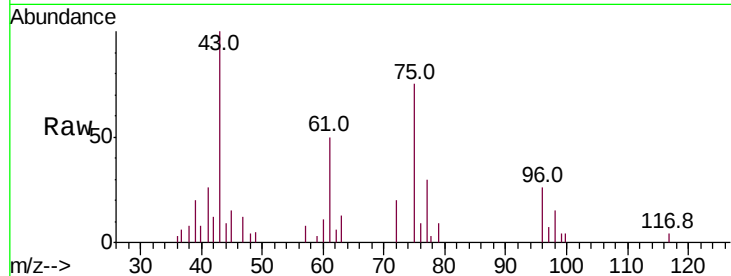
VSTDIC001

Tot Ion: 43 Resp: 17509

Ion Ratio Lower Upper

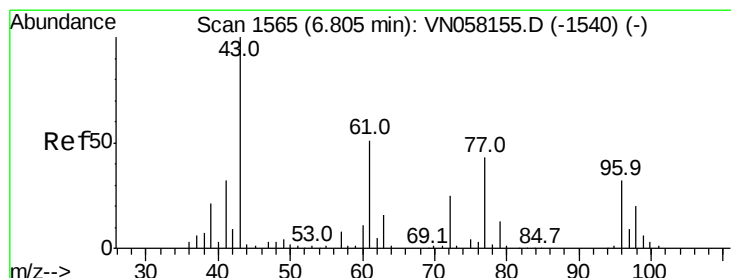
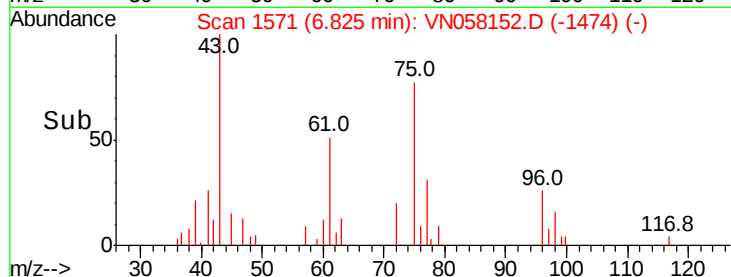
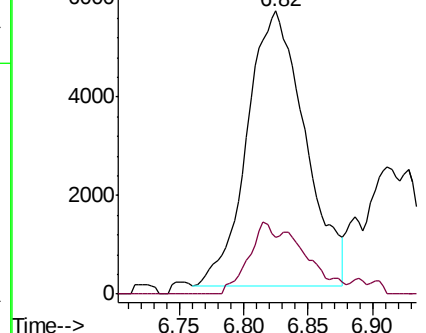
43 100

72 20.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN058155.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 0.402 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058152.D

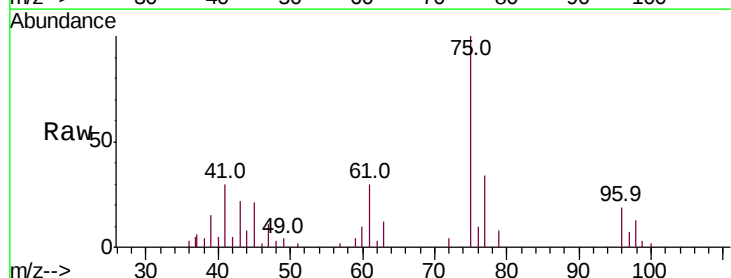
Acq: 18 Sep 2019 9:21

Tgt Ion: 77 Resp: 4514

Ion Ratio Lower Upper

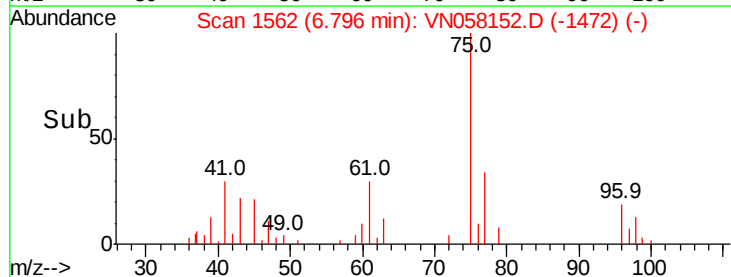
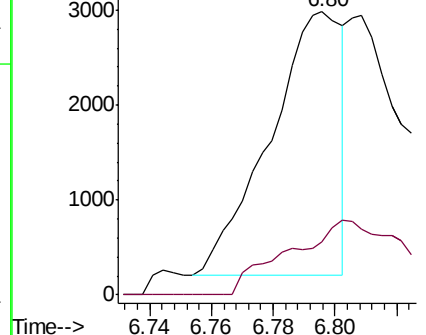
77 100

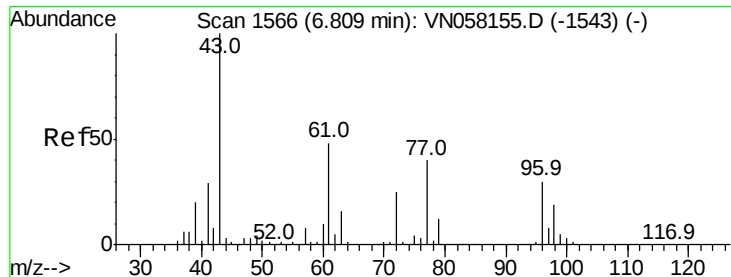
97 44.3 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN058155.D (-1540) (-)

Ion 96.90 (96.60 to 97.60): VN058155.D (-1540) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.743 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

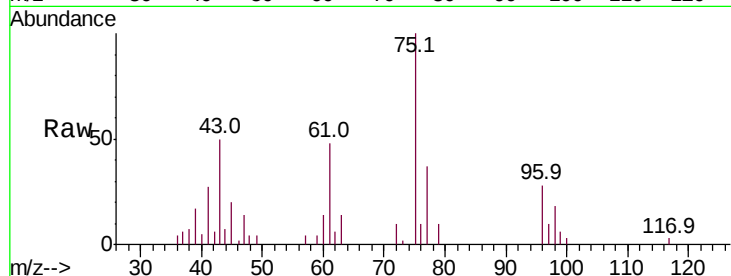
Tot Ion: 96 Resp: 6087

Ion Ratio Lower Upper

96 100

61 184.7 0.0 319.0

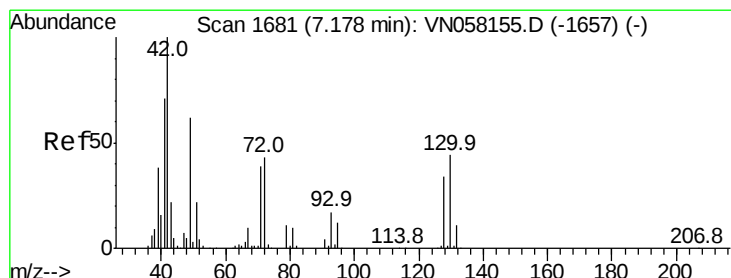
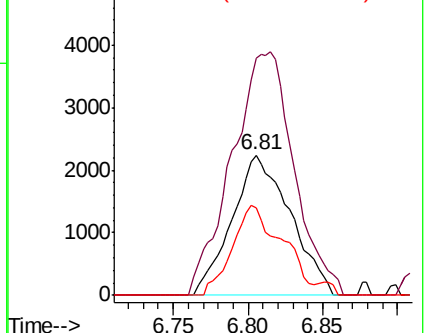
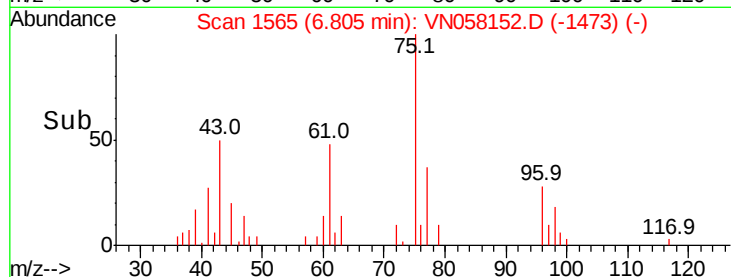
98 54.9 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.766 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

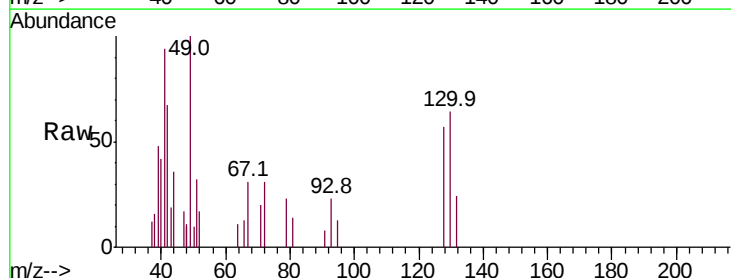
Tgt Ion: 49 Resp: 5416

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.8

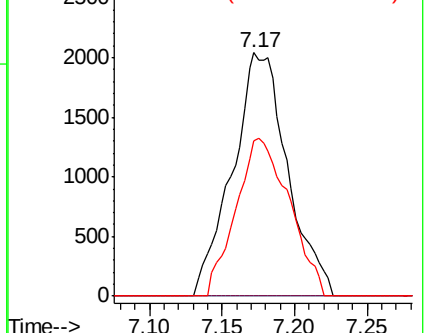
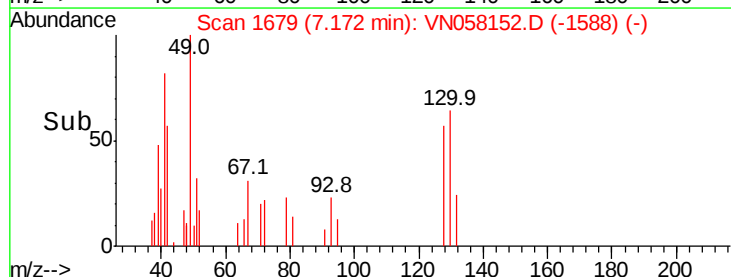
130 62.4 55.4 83.2

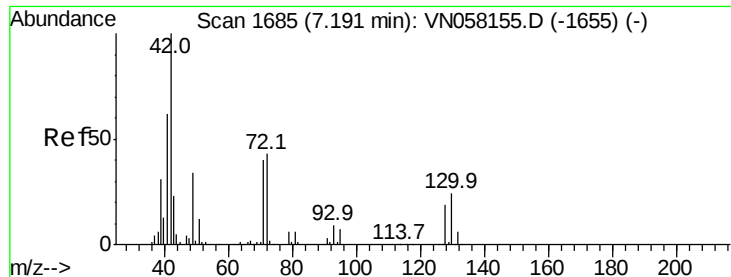


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

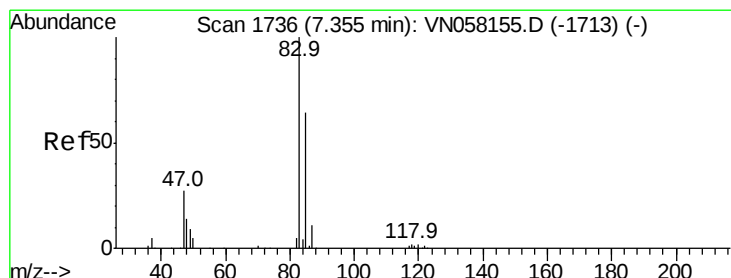
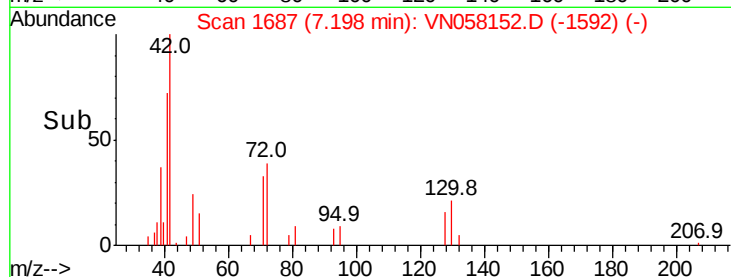
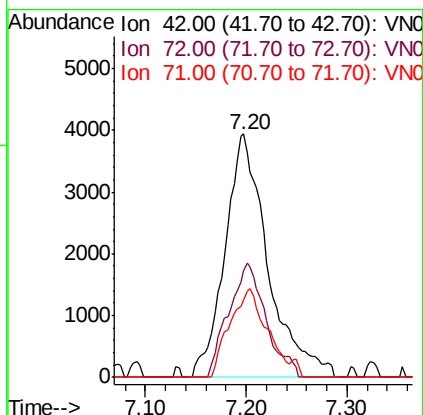
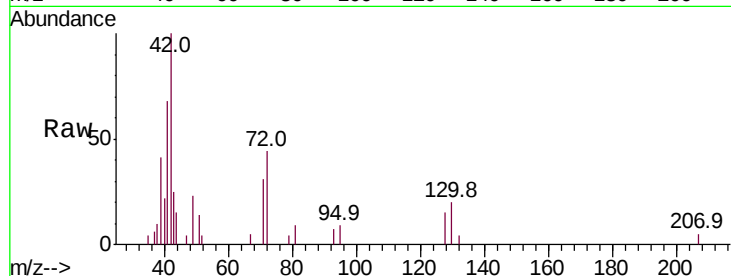




#29
Tetrahydrofuran
Concen: 3.717 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

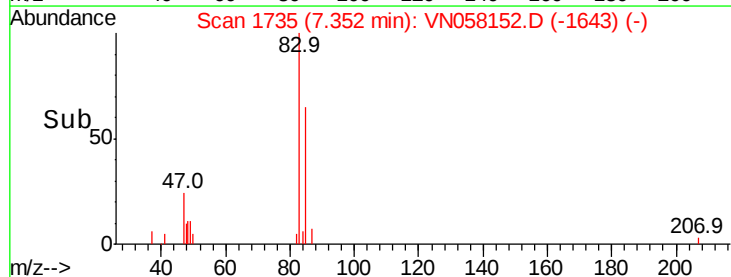
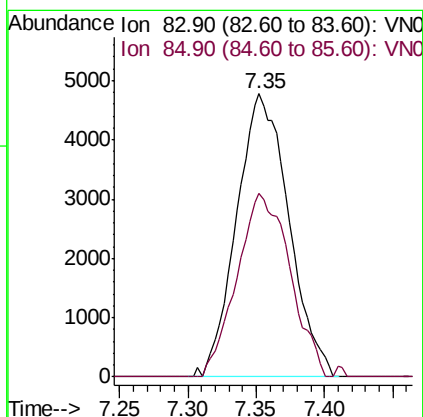
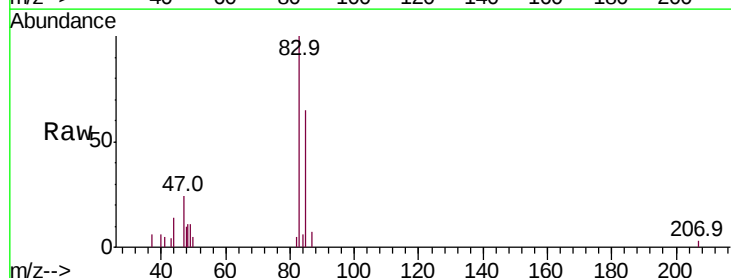
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

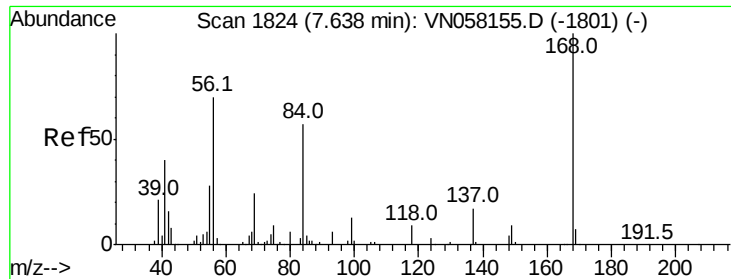
Tot Ion: 42 Resp: 11660
Ion Ratio Lower Upper
42 100
72 40.7 33.8 50.6
71 31.6 31.4 47.0



#30
Chloroform
Concen: 0.853 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 83 Resp: 12665
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.2

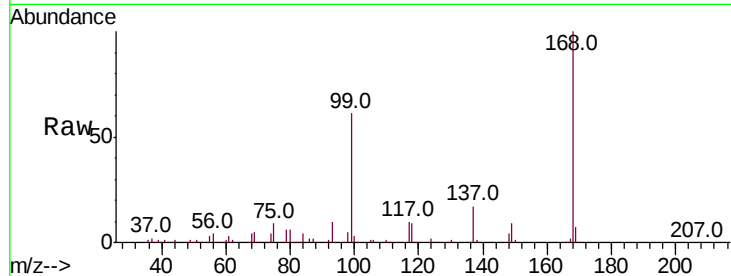




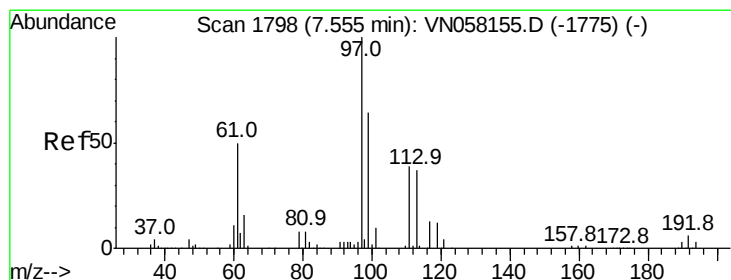
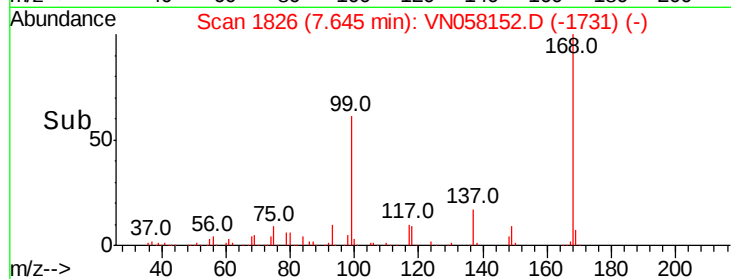
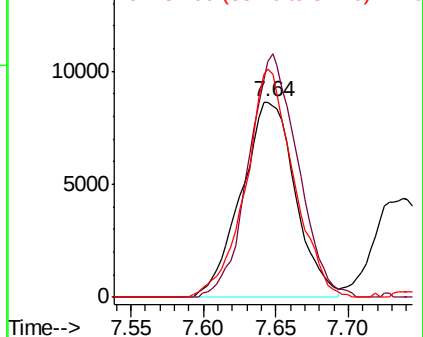
#31
Cvclohexane
Concen: 2.154 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 22466
Ion Ratio Lower Upper
56 100
69 120.9 27.3 40.9#
84 117.1 65.0 97.4#

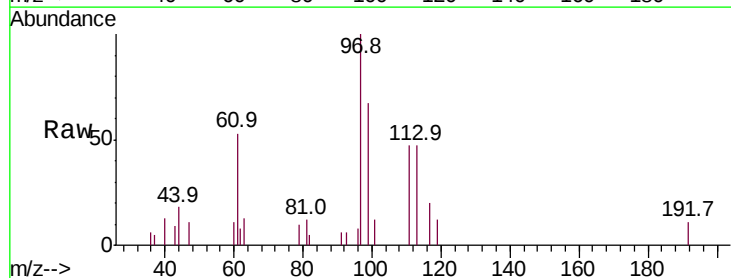


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

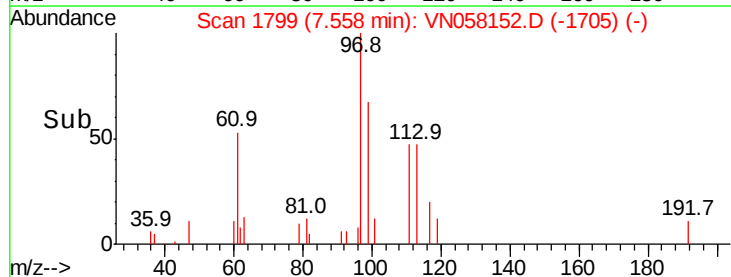
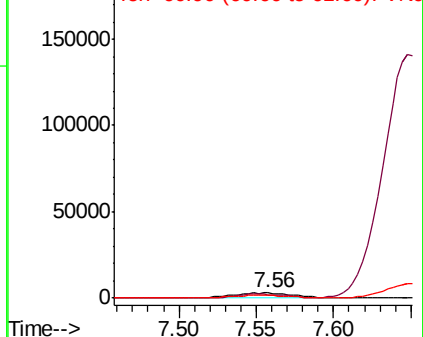


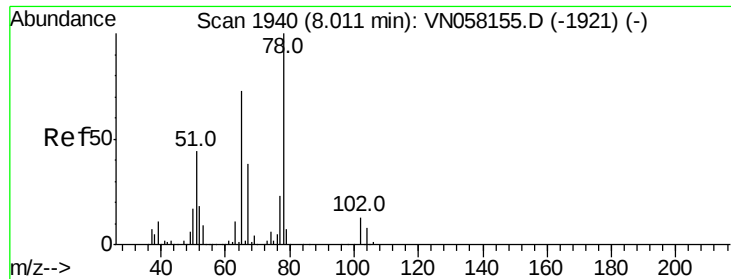
#32
1,1,1-Trichloroethane
Concen: 0.695 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 97 Resp: 8175
Ion Ratio Lower Upper
97 100
99 0.0 50.9 76.3#
61 52.1 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 0.809 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

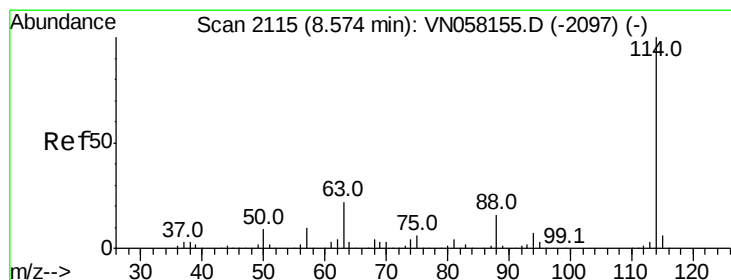
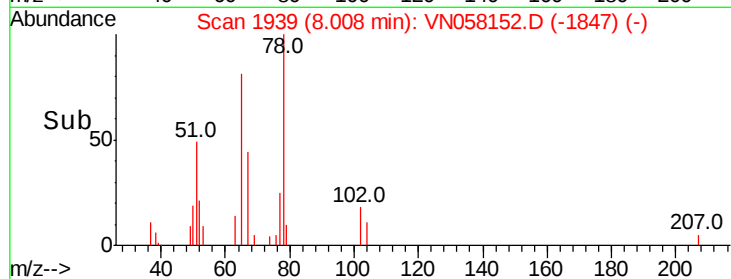
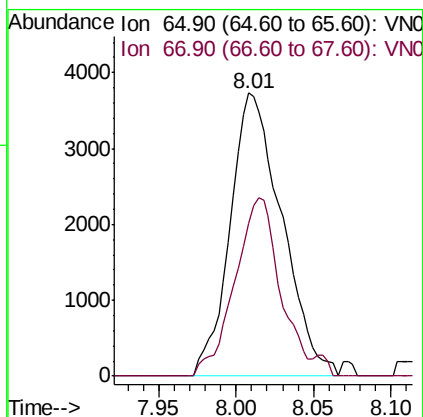
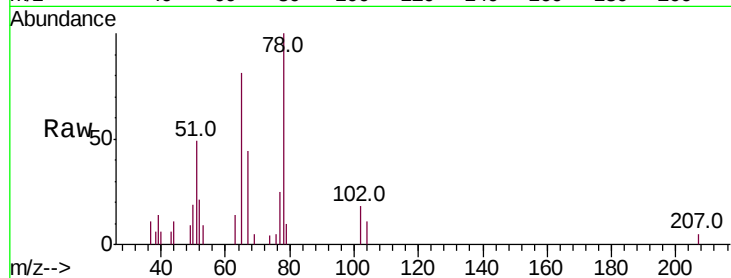
Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 65 Resp: 8654

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

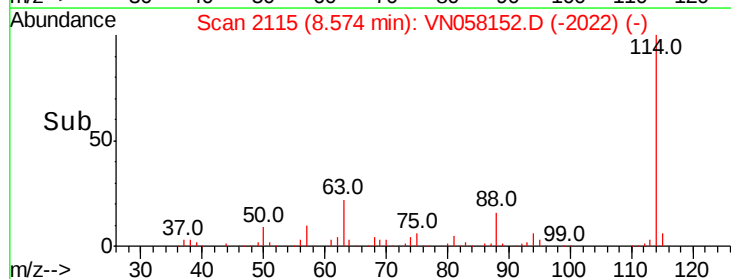
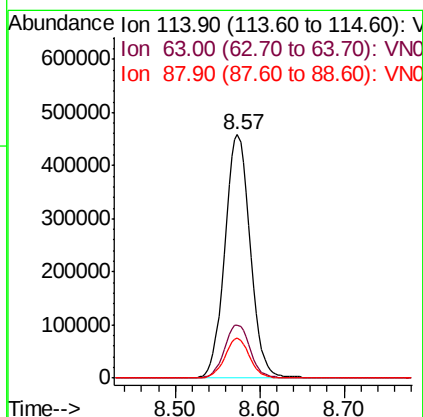
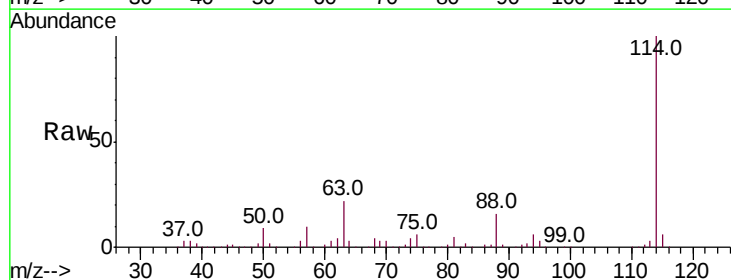
Delta R.T. 0.00 min

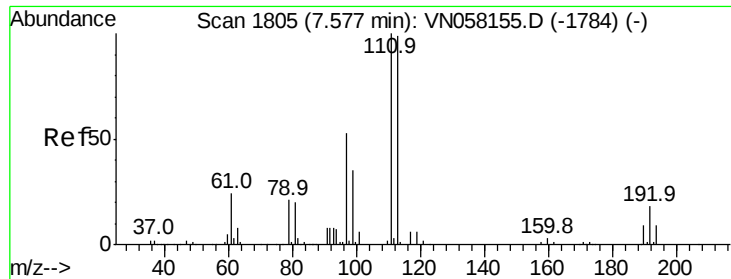
Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion: 114 Resp: 957566

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	16.2	0.0	31.6

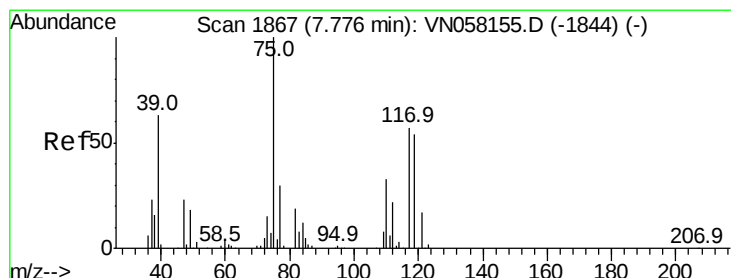
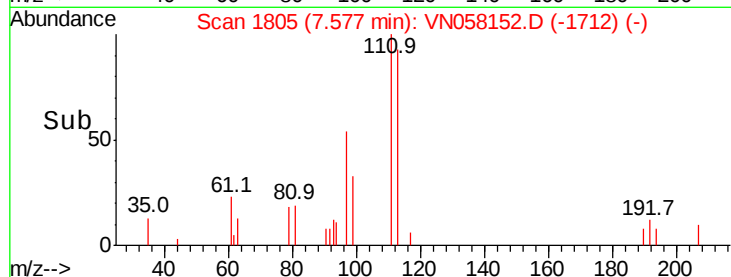
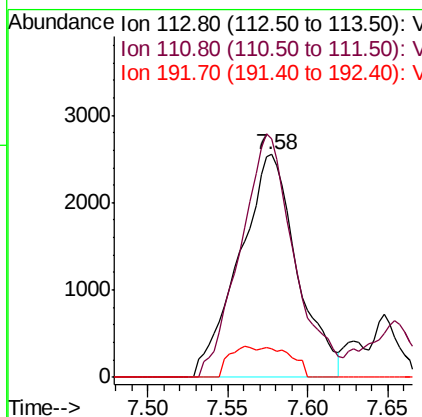
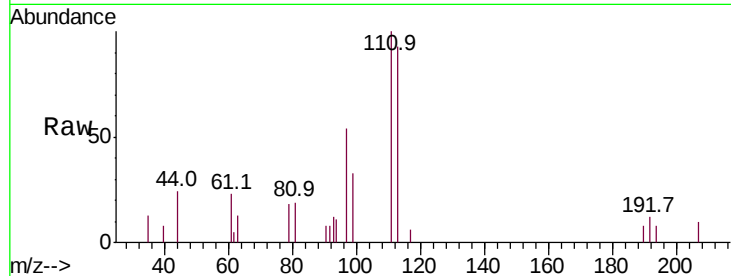




#35
 Dibromofluoromethane
 Concen: 0.766 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

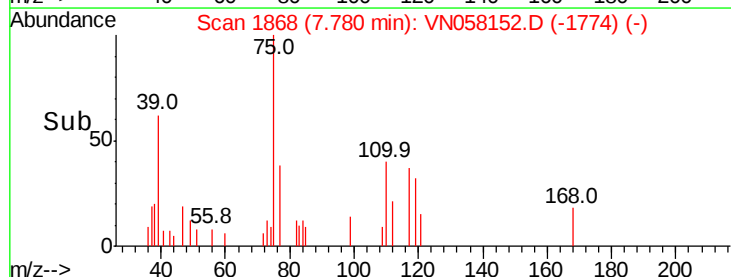
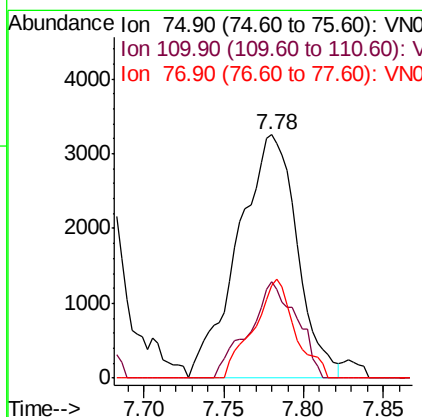
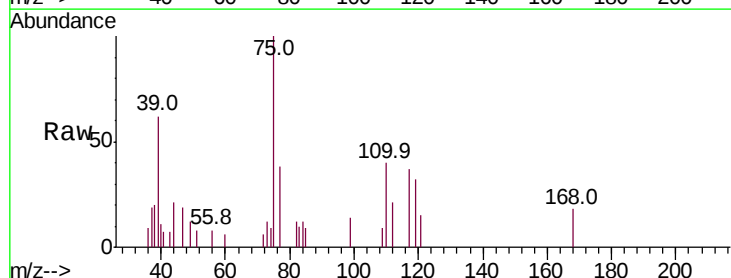
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

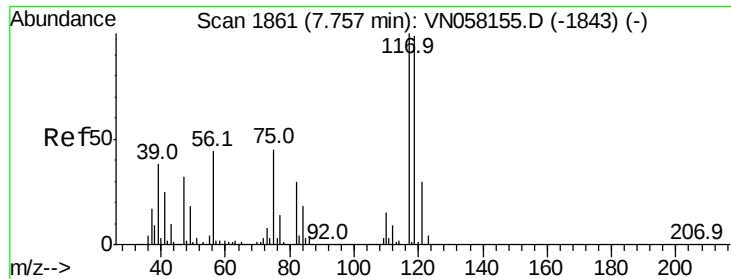
Tot Ion:113 Resp: 6337
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.6
 192 6.4 14.5 21.7#



#36
 1,1-Dichloropropene
 Concen: 0.796 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 75 Resp: 8288
 Ion Ratio Lower Upper
 75 100
 110 32.1 16.6 49.7
 77 28.4 24.3 36.5

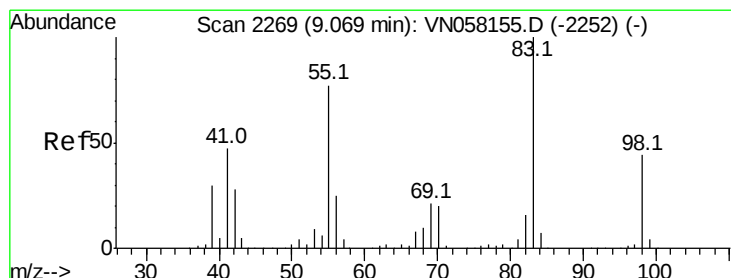
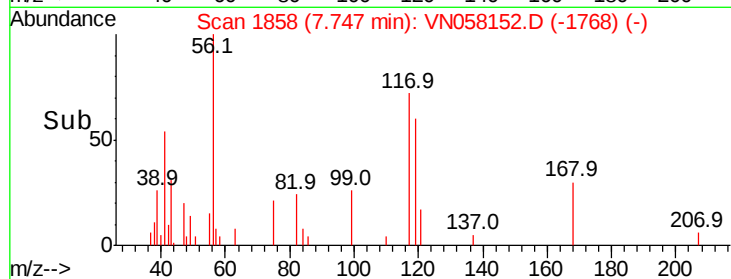
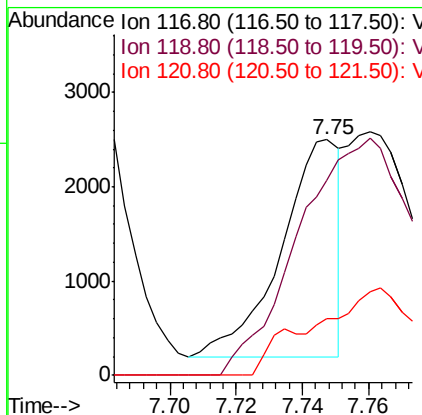
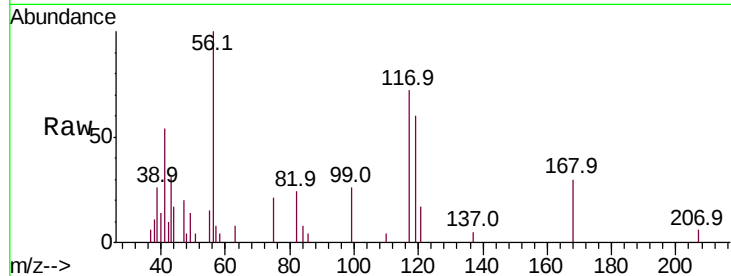




#38
Carbon Tetrachloride
Concen: 0.297 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

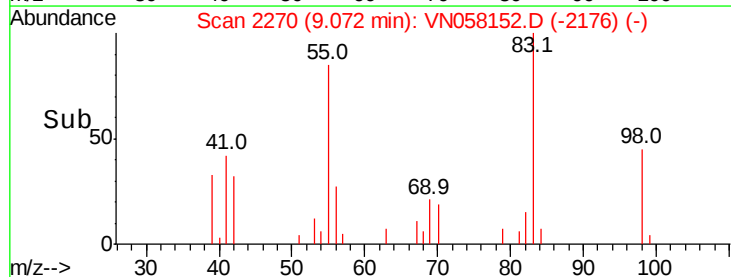
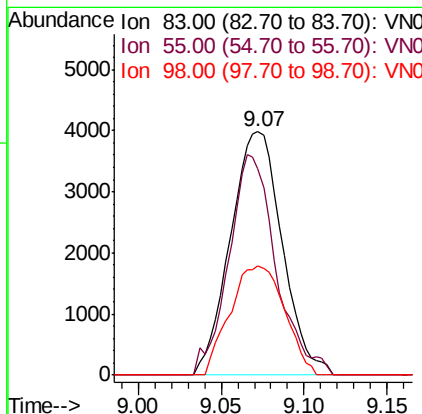
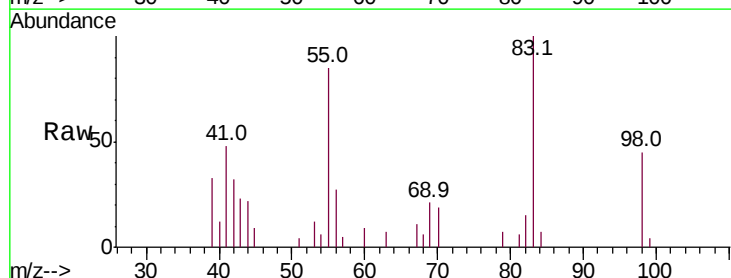
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

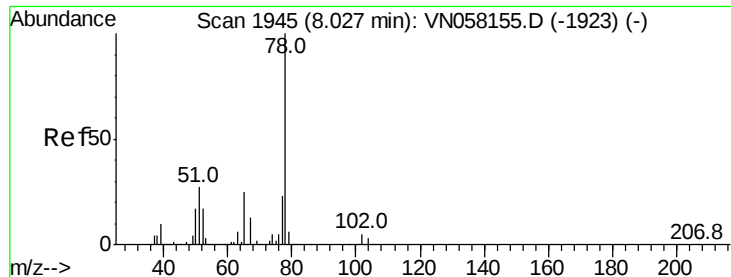
Tot Ion:117 Resp: 2837
Ion Ratio Lower Upper
117 100
119 89.7 78.6 117.8
121 25.9 24.1 36.1



#39
Methylcyclohexane
Concen: 0.792 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 83 Resp: 8640
Ion Ratio Lower Upper
83 100
55 84.8 61.9 92.9
98 44.6 35.4 53.2





#40

Benzene

Concen: 0.739 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

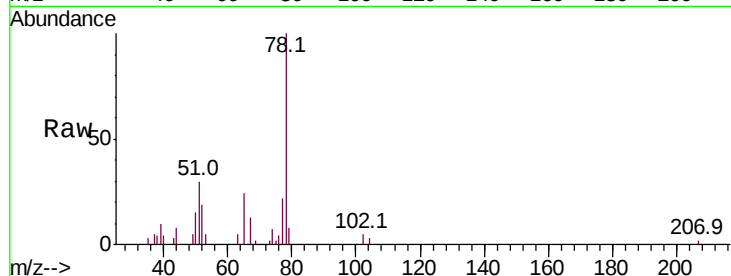
VSTDIC001

Tot Ion: 78 Resp: 23161

Ion Ratio Lower Upper

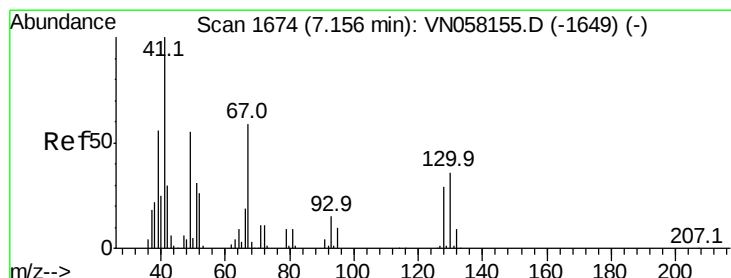
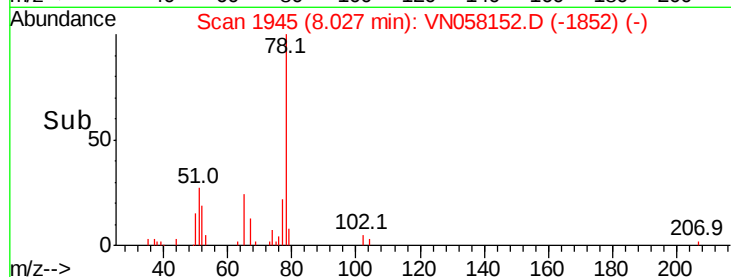
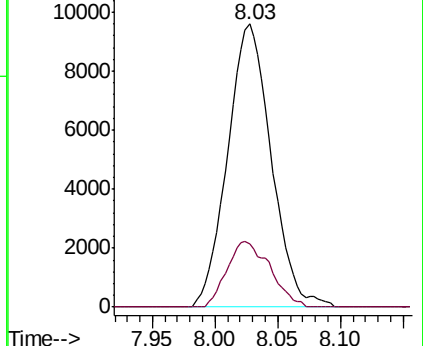
78 100

77 22.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 2.269 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Tgt Ion: 41 Resp: 11096

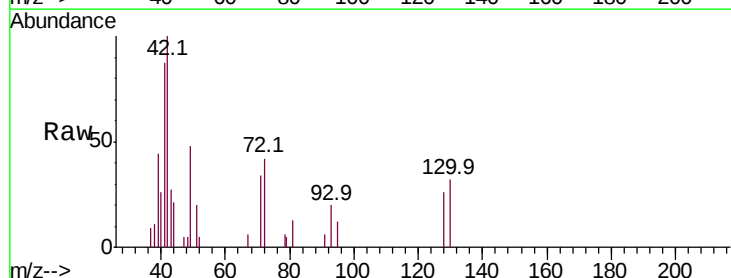
Ion Ratio Lower Upper

41 100

39 39.8 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

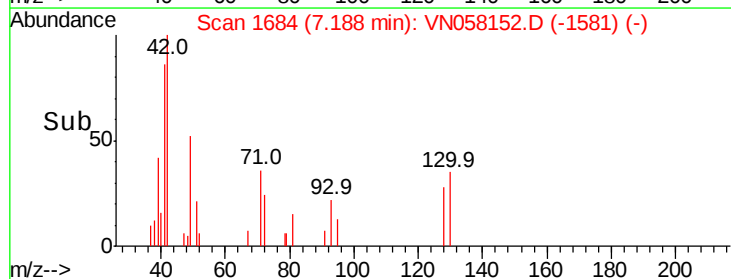
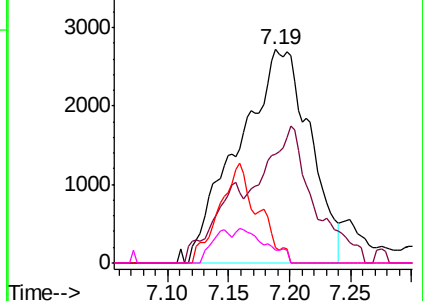


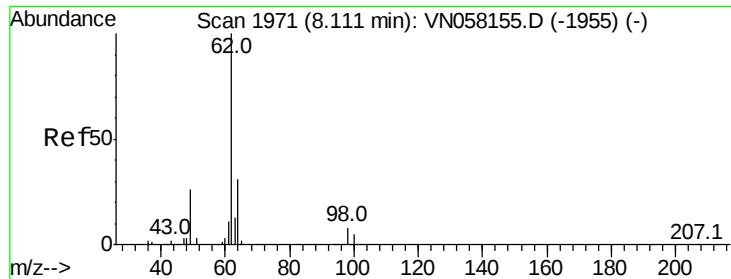
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

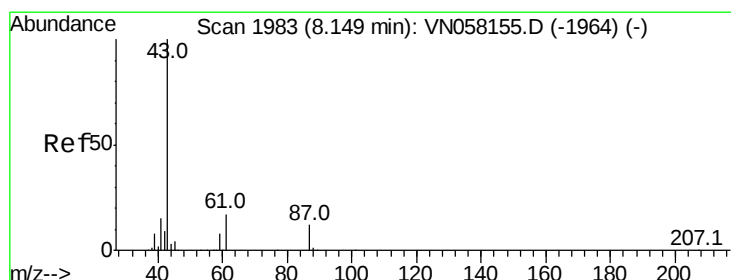
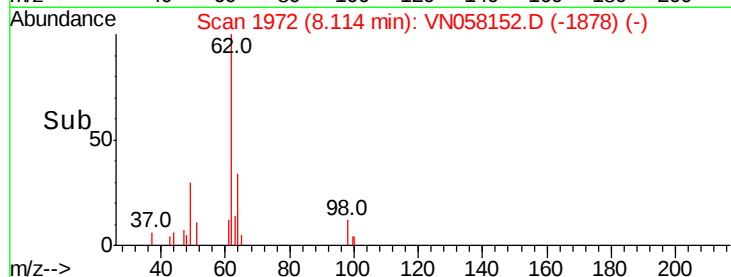
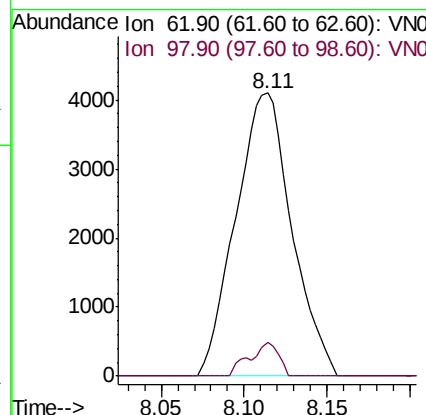
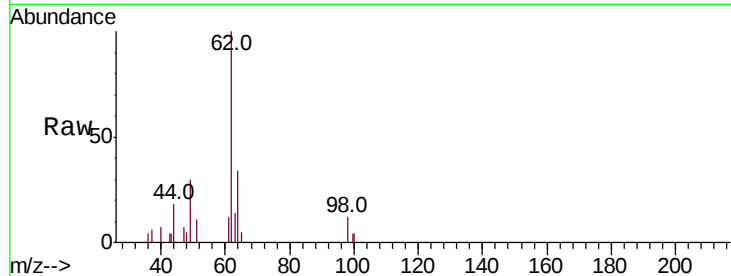




#42
 1,2-Dichloroethane
 Concen: 0.766 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

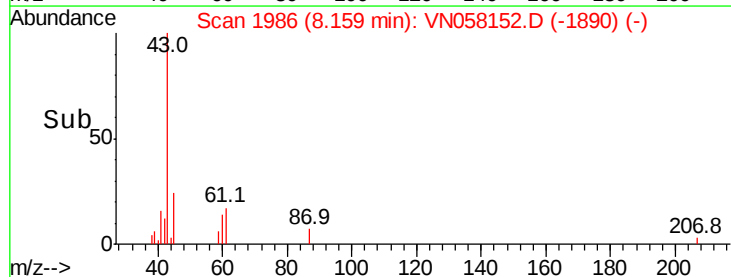
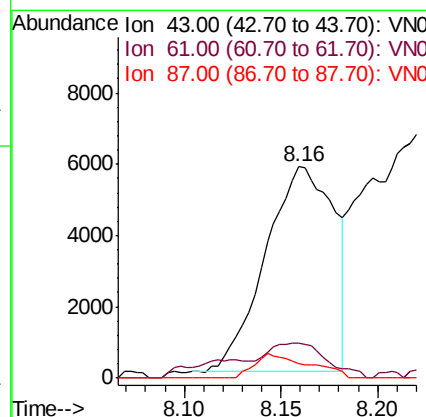
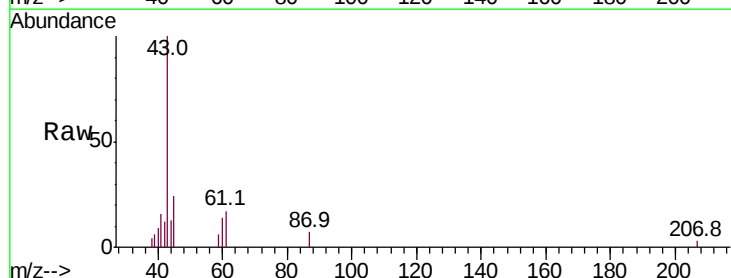
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

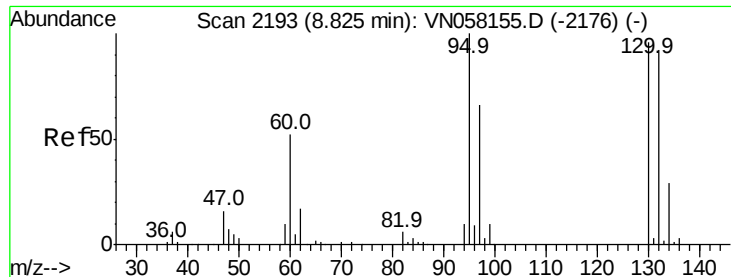
Tot Ion: 62 Resp: 9633
 Ion Ratio Lower Upper
 62 100
 98 6.1 0.0 15.6



#43
 Isopropyl Acetate
 Concen: 0.782 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 14194
 Ion Ratio Lower Upper
 43 100
 61 15.6 19.7 29.5#
 87 0.0 9.4 14.2#

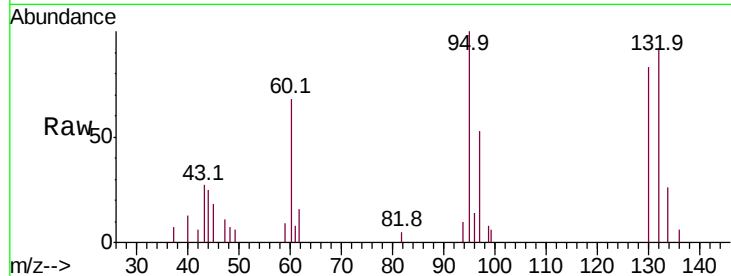




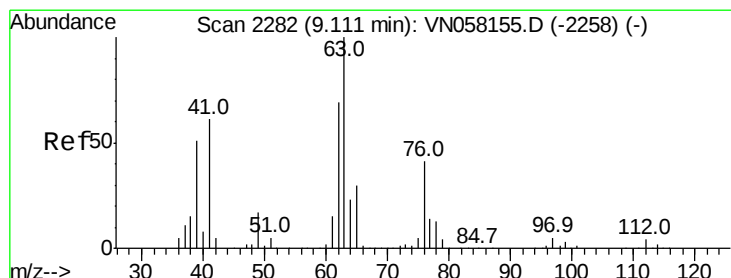
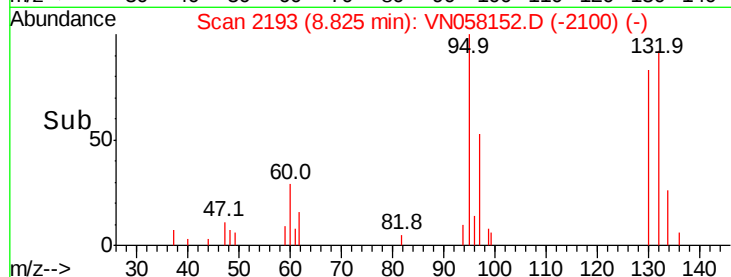
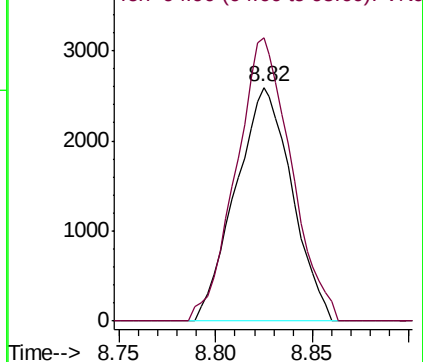
#44
 Trichloroethene
 Concen: 0.680 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 5241
 Ion Ratio Lower Upper
 130 100
 95 121.0 0.0 207.8

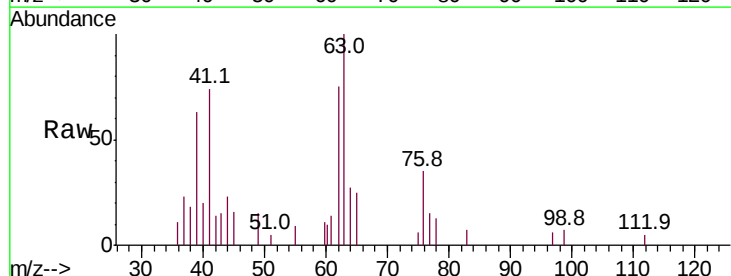


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

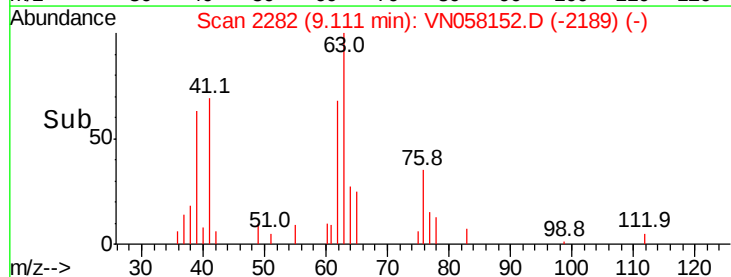
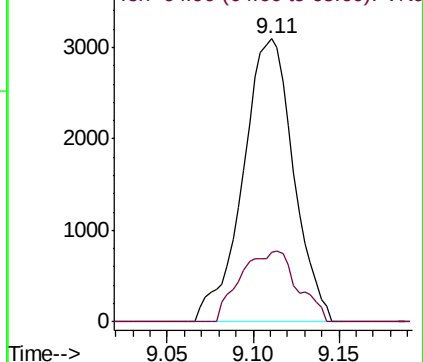


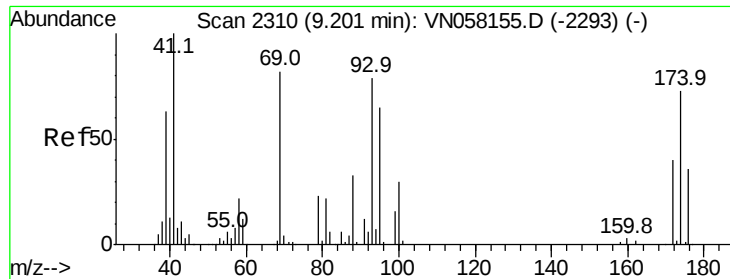
#45
 1,2-Dichloropropane
 Concen: 0.691 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 63 Resp: 6319
 Ion Ratio Lower Upper
 63 100
 65 24.5 23.8 35.6



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





#46

Dibromomethane

Concen: 0.715 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

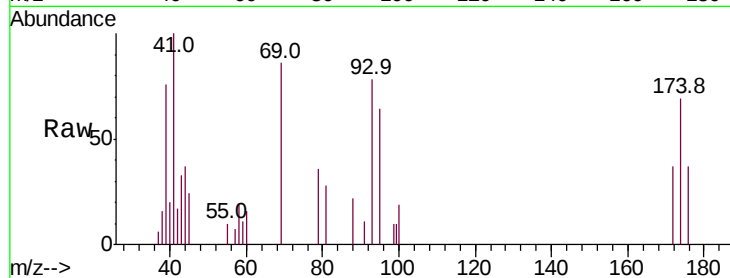
Tot Ion: 93 Resp: 3952

Ion Ratio Lower Upper

93 100

95 89.0 66.8 100.2

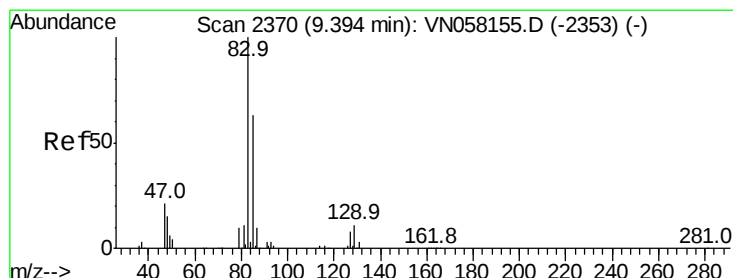
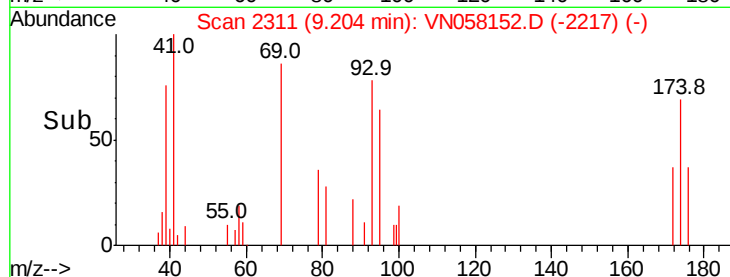
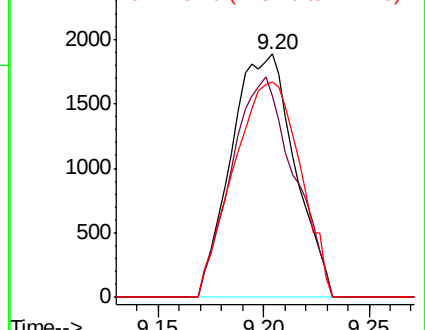
174 92.9 73.8 110.8



Abundance Ion 92.80 (92.50 to 93.50): VN058155.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058155.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058155.D (-2293) (-)



#47

Bromodichloromethane

Concen: 0.684 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

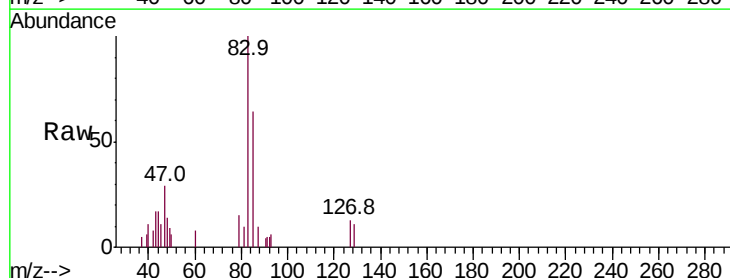
Tgt Ion: 83 Resp: 7527

Ion Ratio Lower Upper

83 100

85 64.2 50.1 75.1

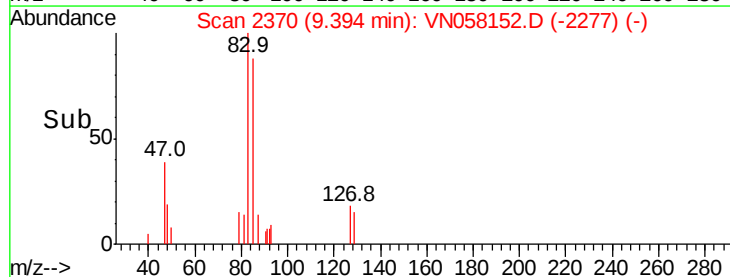
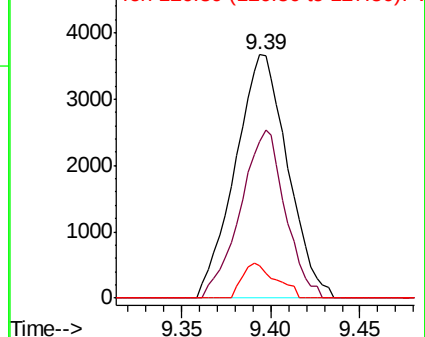
127 13.3 6.4 9.6#

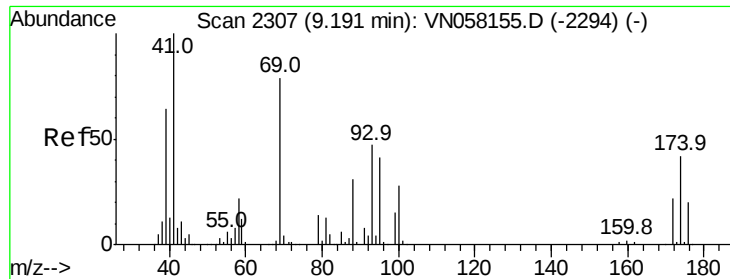


Abundance Ion 82.90 (82.60 to 83.60): VN058155.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058155.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058155.D (-2353) (-)

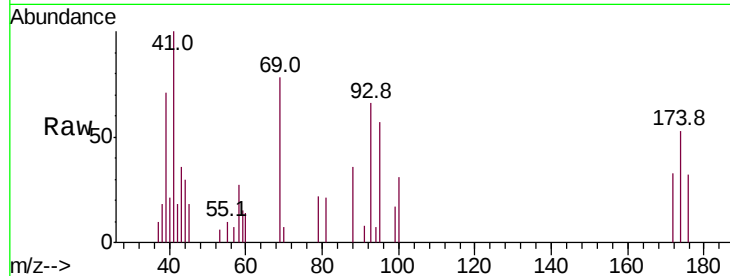




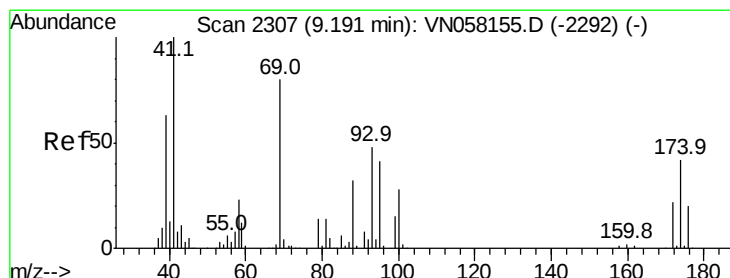
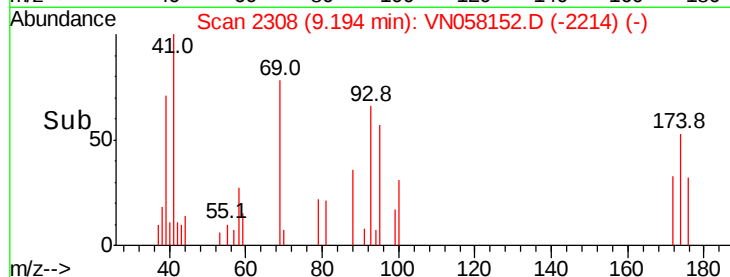
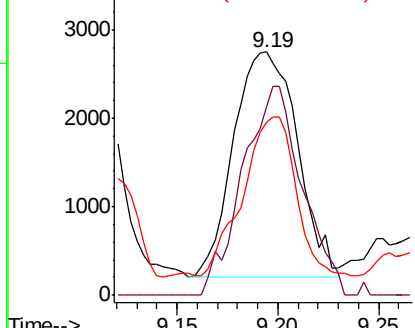
#48
Methvl methacrylate
Concen: 0.611 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 5595
Ion Ratio Lower Upper
41 100
69 86.6 62.5 93.7
39 58.8 52.3 78.5

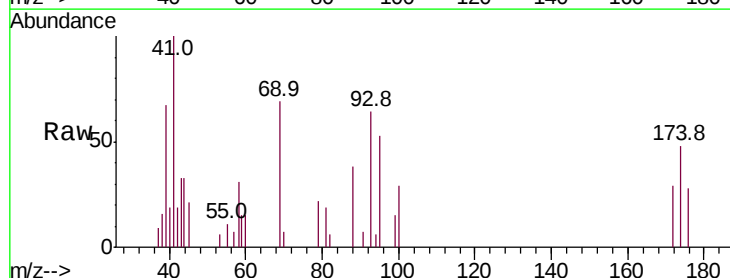


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

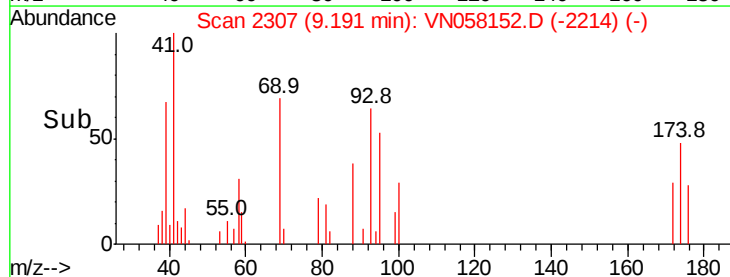
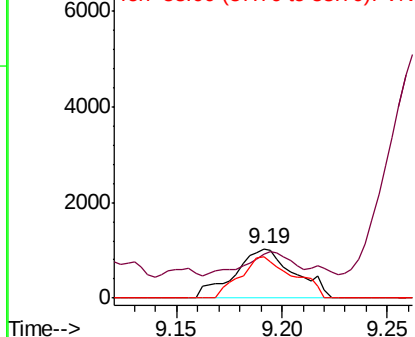


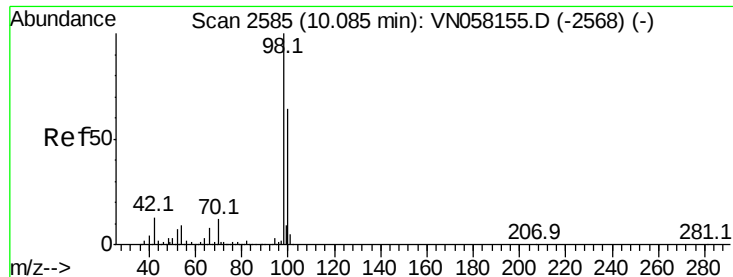
#49
1,4-Dioxane
Concen: 12.968 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion: 88 Resp: 2017
Ion Ratio Lower Upper
88 100
43 36.5 27.8 41.8
58 74.3 55.0 82.4



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





#50

Toluene-d8

Concen: 0.878 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

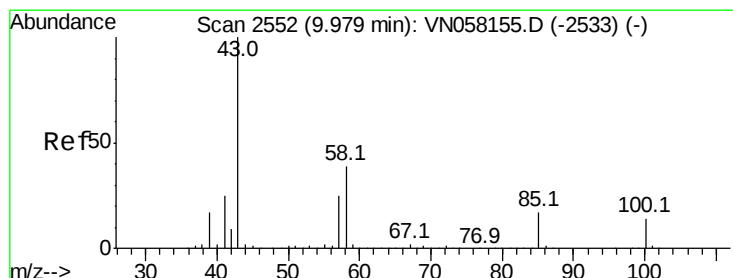
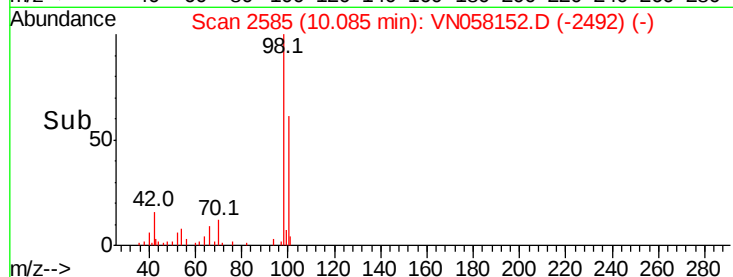
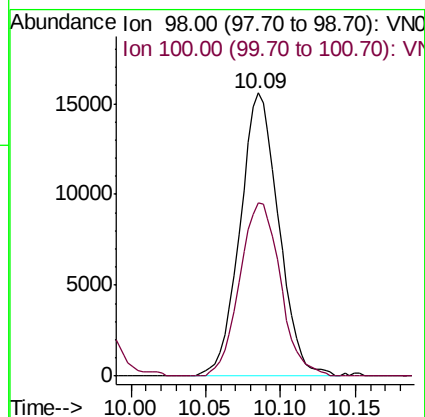
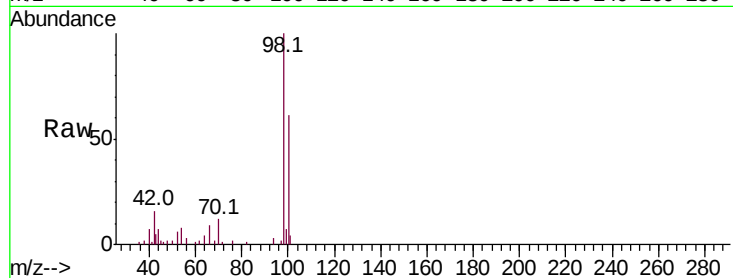
VSTDIC001

Tot Ion: 98 Resp: 28057

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 3.282 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058152.D

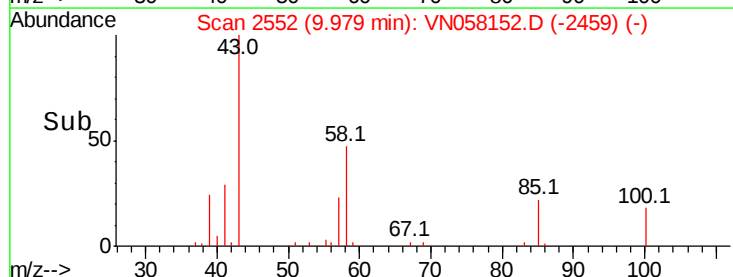
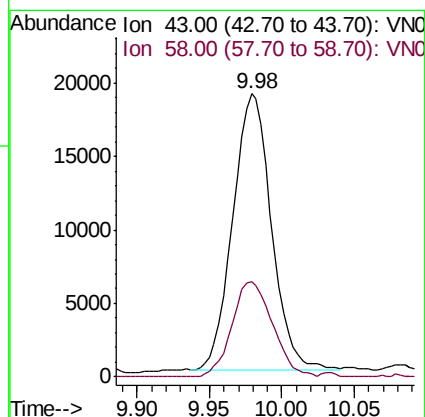
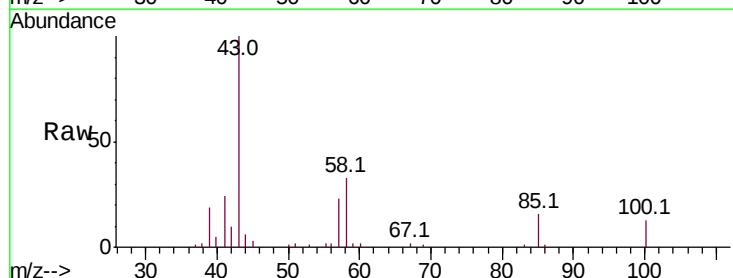
Acq: 18 Sep 2019 9:21

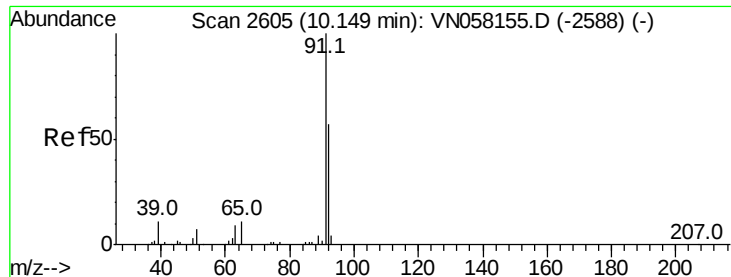
Tgt Ion: 43 Resp: 34845

Ion Ratio Lower Upper

43 100

58 36.0 30.2 45.4





#52

Toluene

Concen: 0.705 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

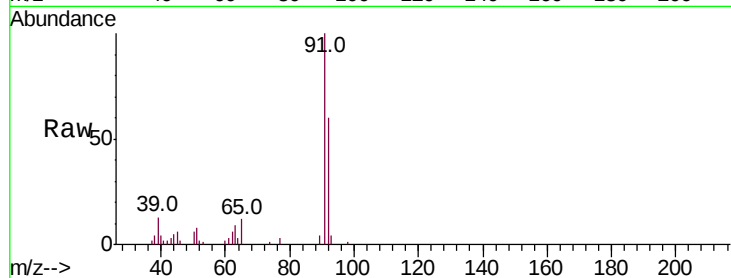
VSTDIC001

Tot Ion: 92 Resp: 13905

Ion Ratio Lower Upper

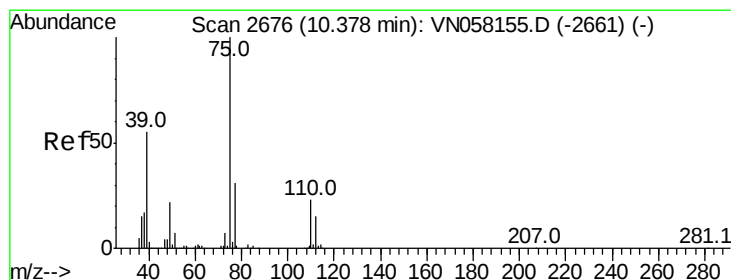
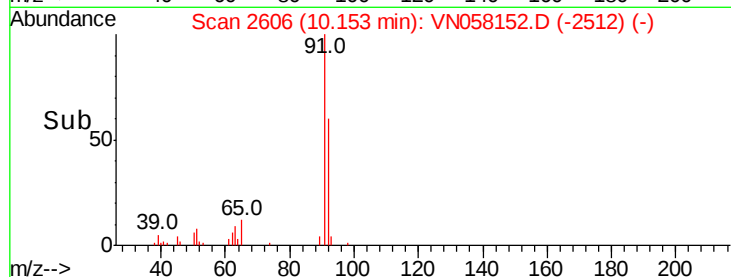
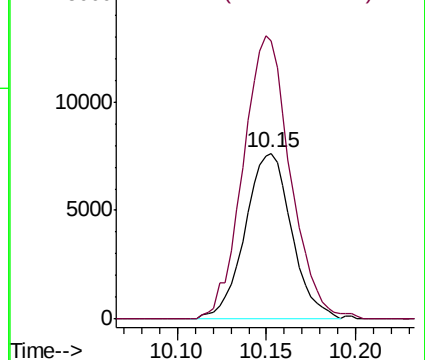
92 100

91 173.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.611 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058152.D

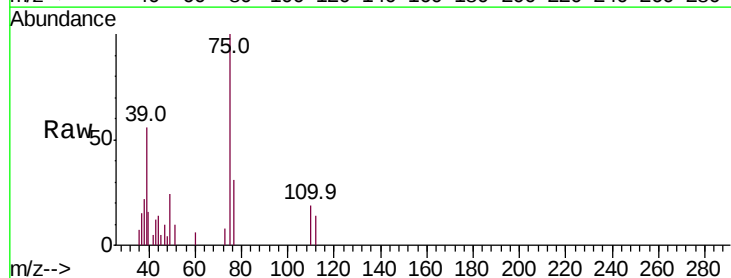
Acq: 18 Sep 2019 9:21

Tgt Ion: 75 Resp: 7065

Ion Ratio Lower Upper

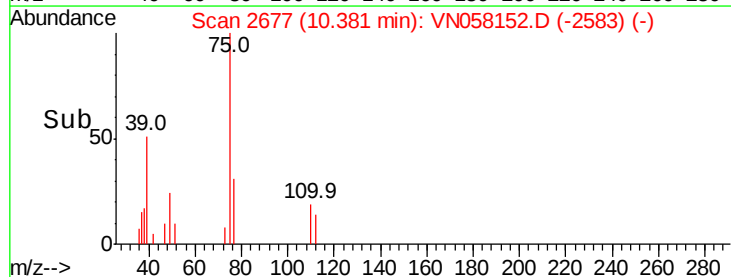
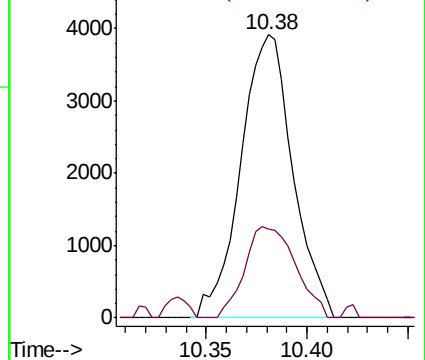
75 100

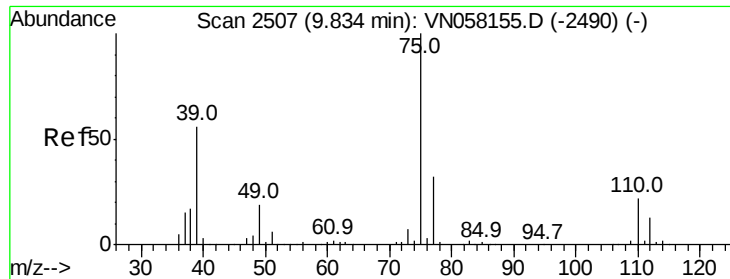
77 31.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

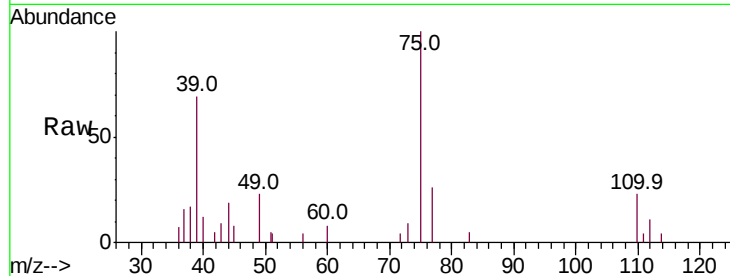




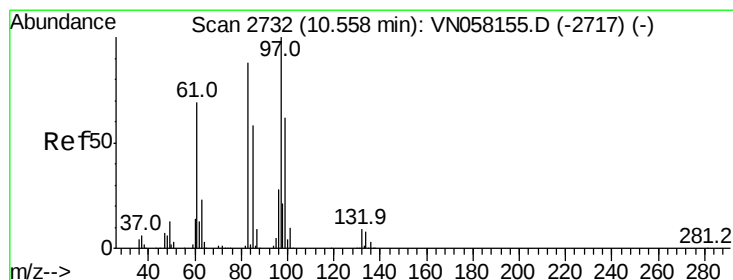
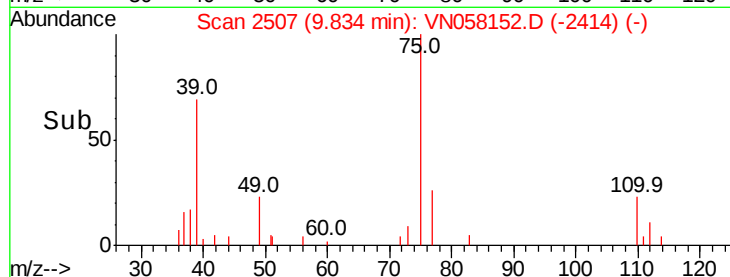
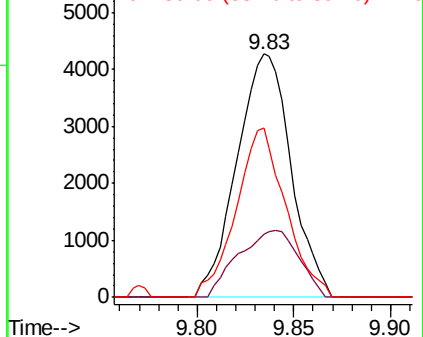
#54
 cis-1,3-Dichloropropene
 Concen: 0.650 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 8303
 Ion Ratio Lower Upper
 75 100
 77 26.1 25.4 38.0
 39 69.5 45.0 67.6#

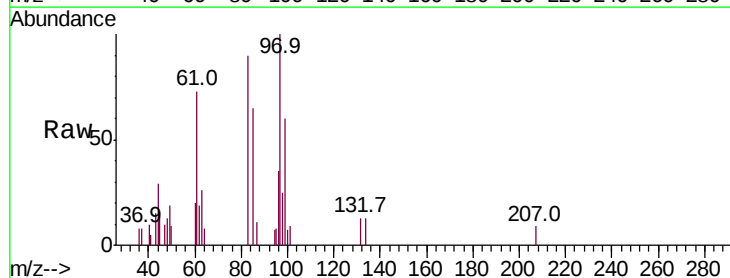


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

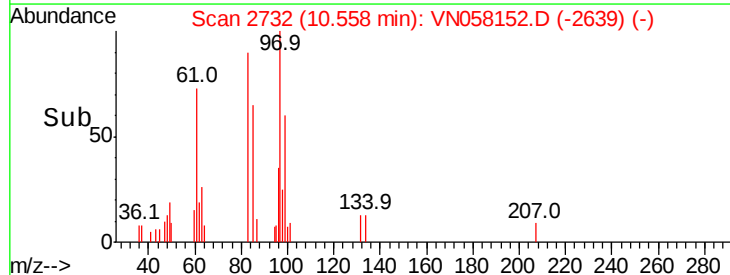
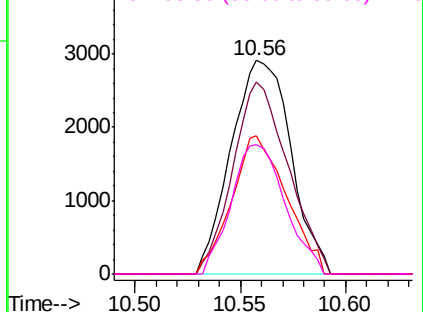


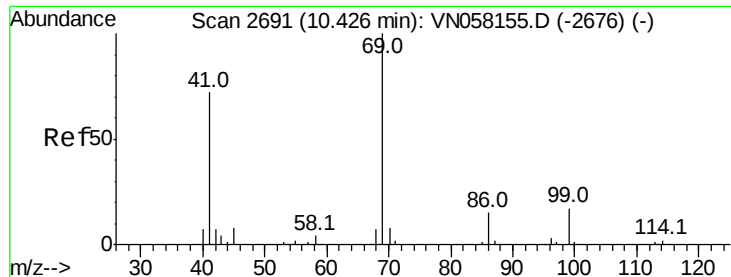
#55
 1,1,2-Trichloroethane
 Concen: 0.688 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 97 Resp: 5751
 Ion Ratio Lower Upper
 97 100
 83 89.9 70.4 105.6
 85 64.9 46.8 70.2
 99 60.4 49.9 74.9



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: 0.552 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

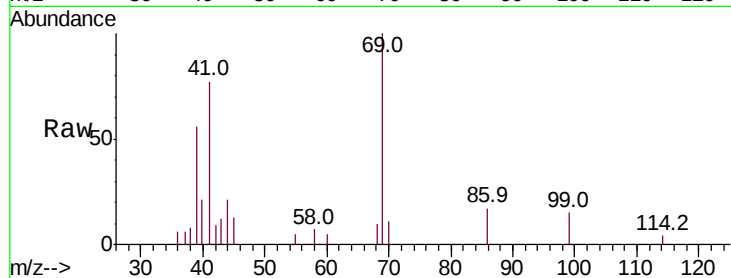
Tot Ion: 69 Resp: 6919

Ion Ratio Lower Upper

69 100

41 81.8 57.5 86.3

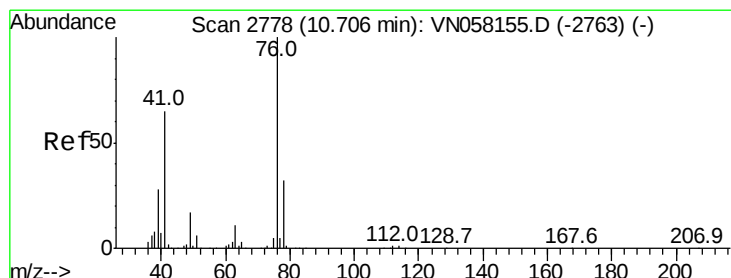
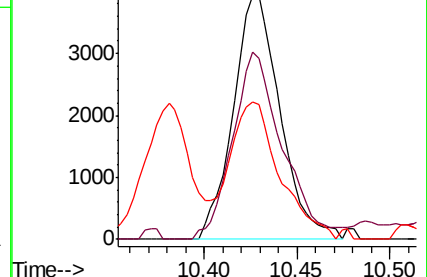
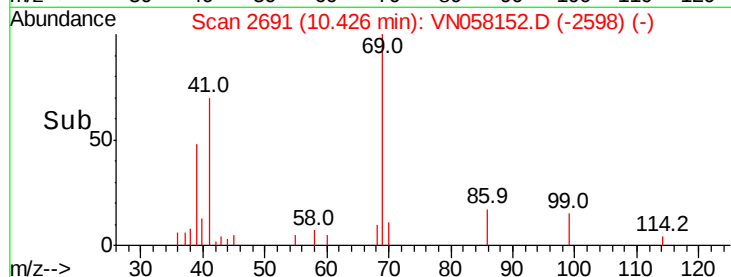
39 60.2 36.1 54.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.715 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058152.D

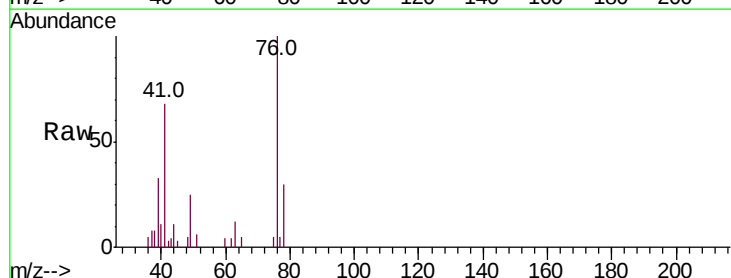
Acq: 18 Sep 2019 9:21

Tgt Ion: 76 Resp: 10299

Ion Ratio Lower Upper

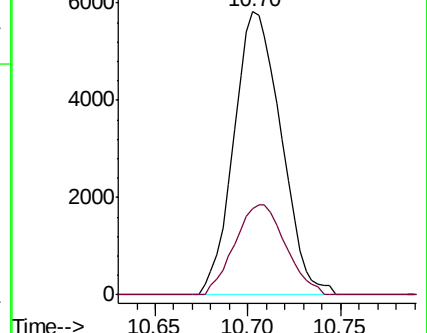
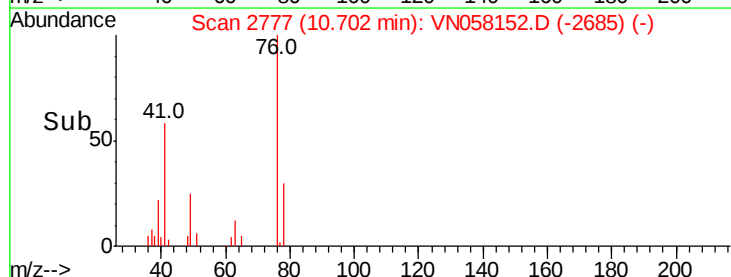
76 100

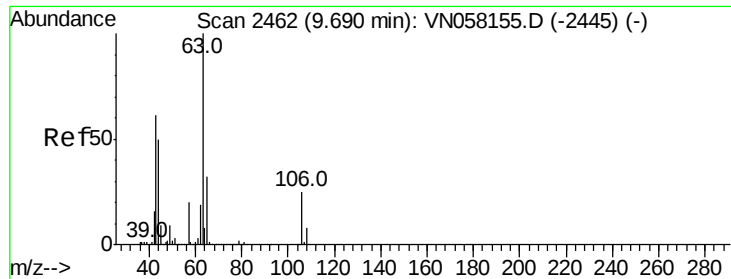
78 34.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 3.165 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

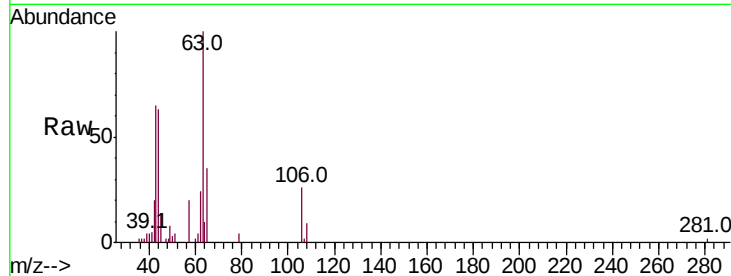
VSTDIC001

Tot Ion: 63 Resp: 18497

Ion Ratio Lower Upper

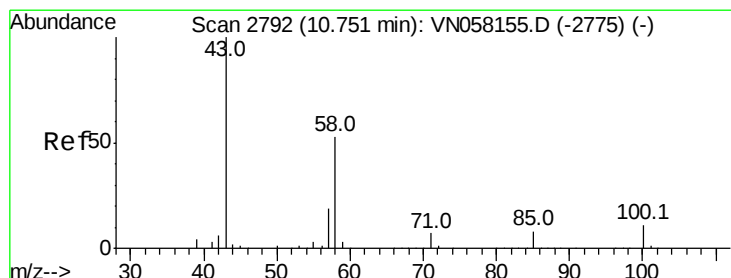
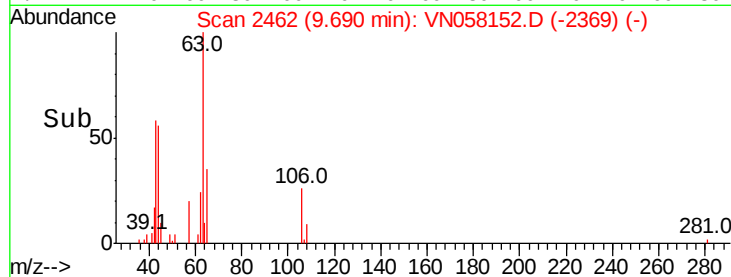
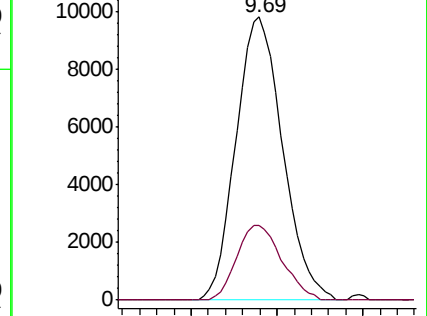
63 100

106 25.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 3.126 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058152.D

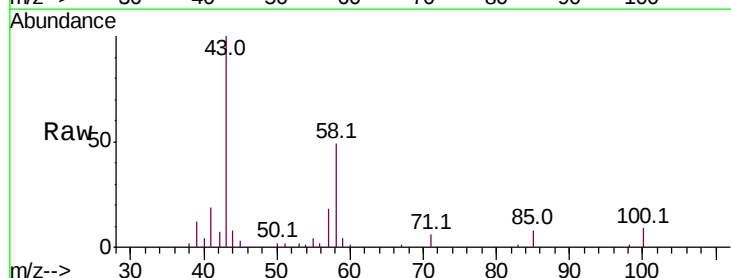
Acq: 18 Sep 2019 9:21

Tgt Ion: 43 Resp: 24817

Ion Ratio Lower Upper

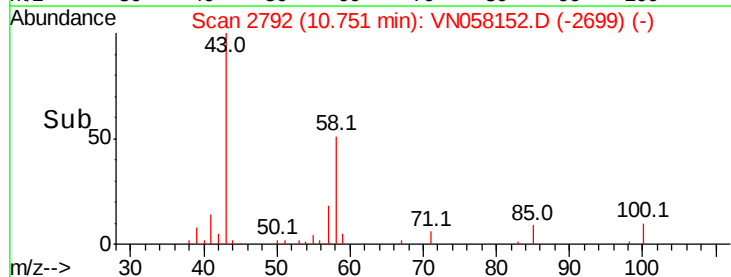
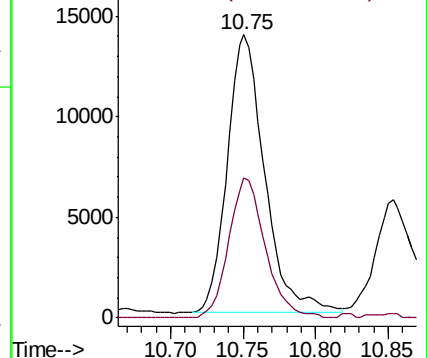
43 100

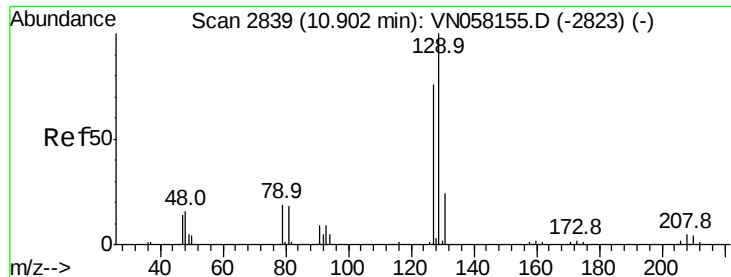
58 49.1 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.584 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

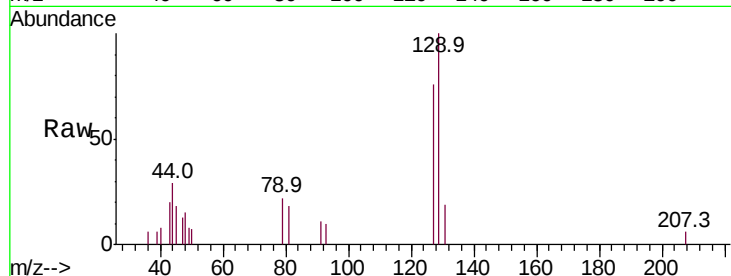
VSTDIC001

Tot Ion:129 Resp: 4528

Ion Ratio Lower Upper

129 100

127 75.7 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

2500

2000

1500

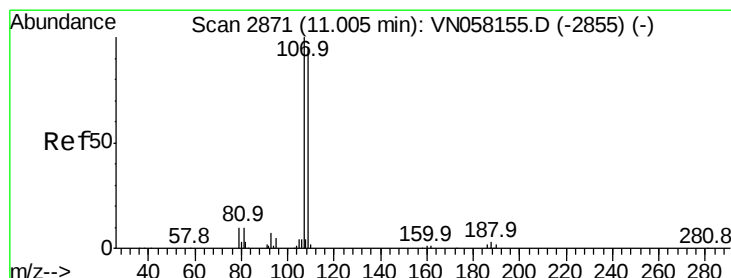
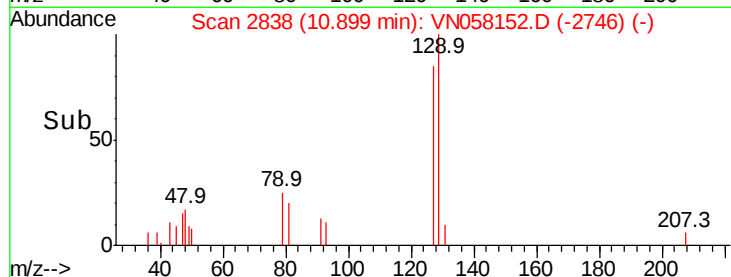
1000

500

0

Time-->

10.85 10.90 10.95



#61

1,2-Dibromoethane

Concen: 0.663 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058152.D

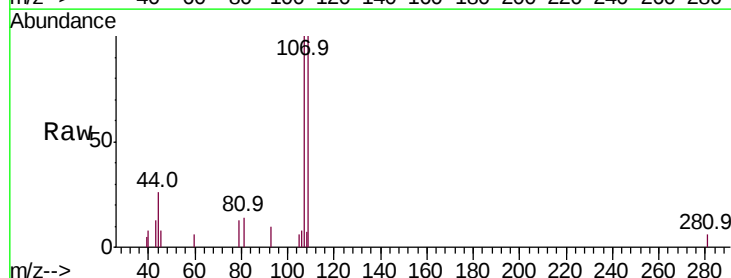
Acq: 18 Sep 2019 9:21

Tgt Ion:107 Resp: 5229

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

3000

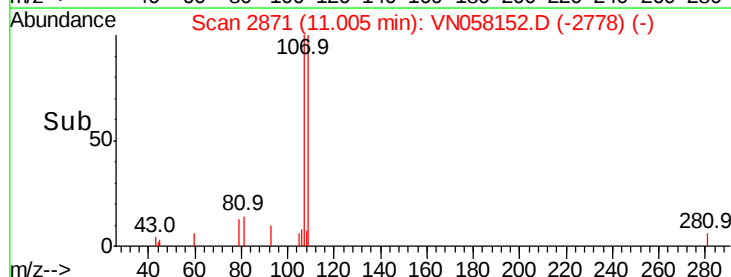
2000

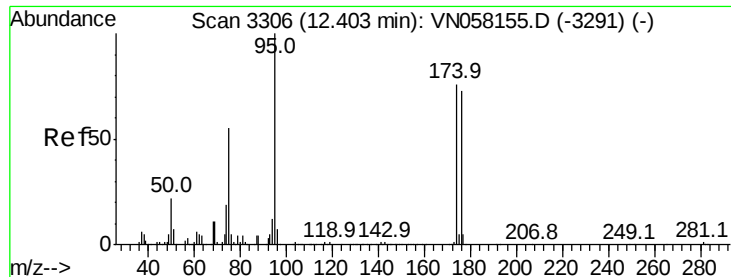
1000

0

Time-->

10.95 11.00 11.05





#62

4-Bromofluorobenzene

Concen: 0.945 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

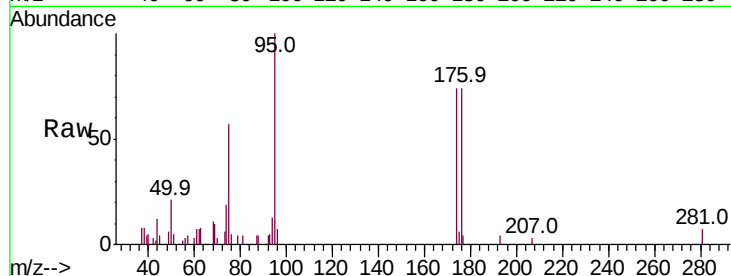
Tot Ion: 95 Resp: 11605

Ion Ratio Lower Upper

95 100

174 72.4 0.0 152.2

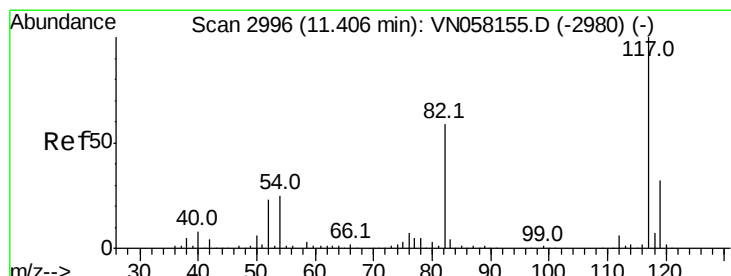
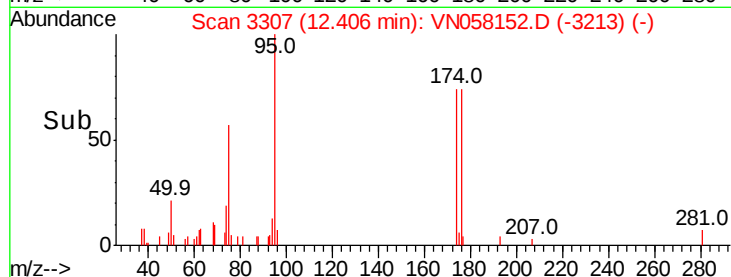
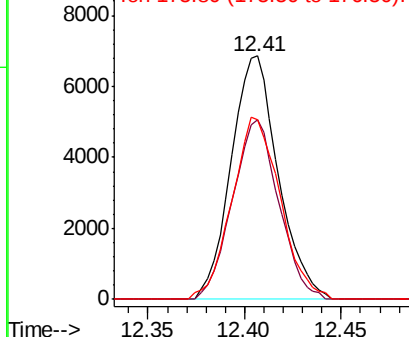
176 76.7 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

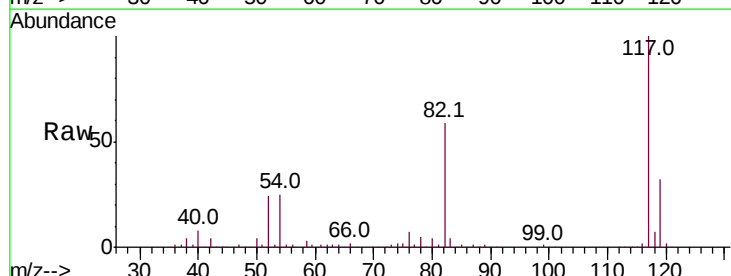
Tgt Ion: 117 Resp: 823388

Ion Ratio Lower Upper

117 100

82 59.3 46.9 70.3

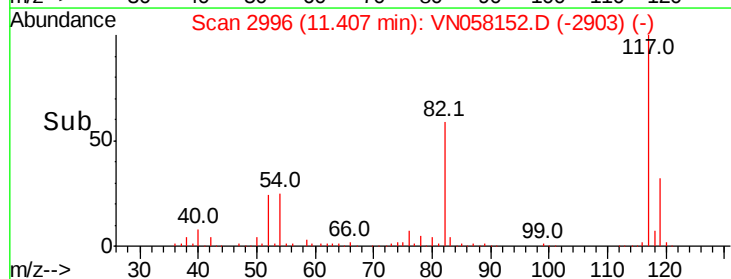
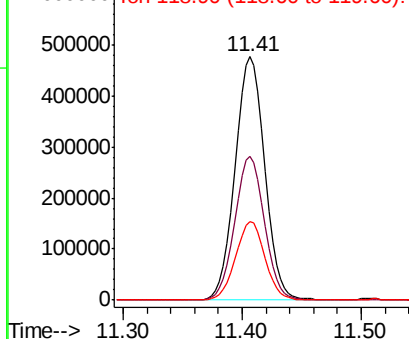
119 32.3 25.3 37.9

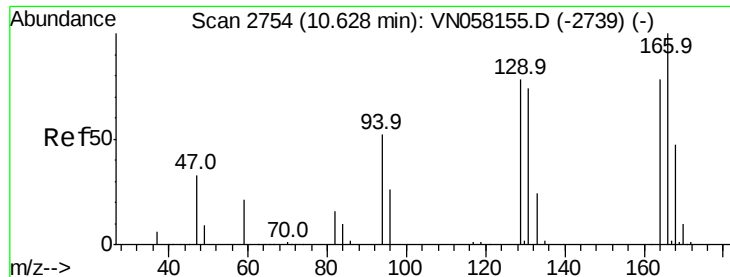


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.795 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4566

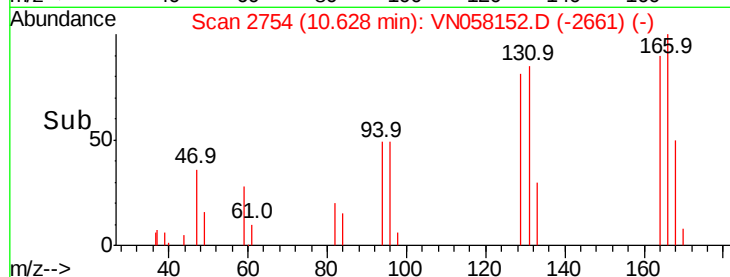
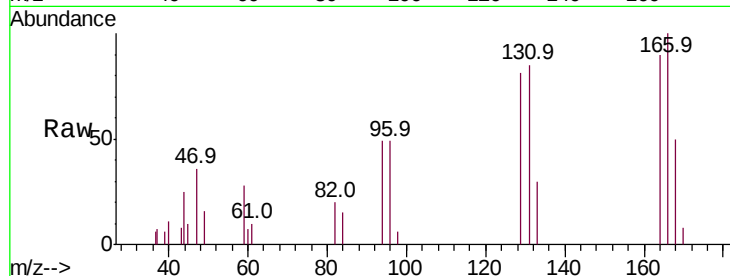
Ion Ratio Lower Upper

164 100

166 111.4 102.2 153.4

129 90.2 79.6 119.4

131 94.9 76.0 114.0

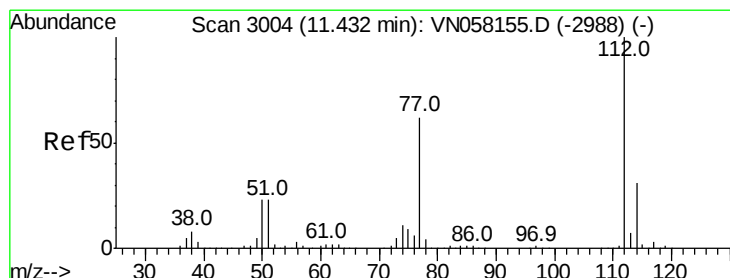
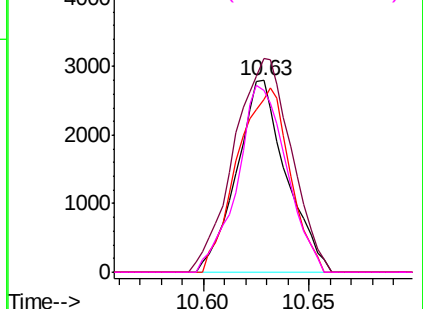


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.773 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058152.D

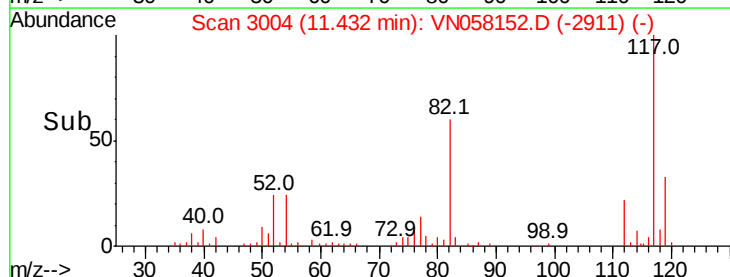
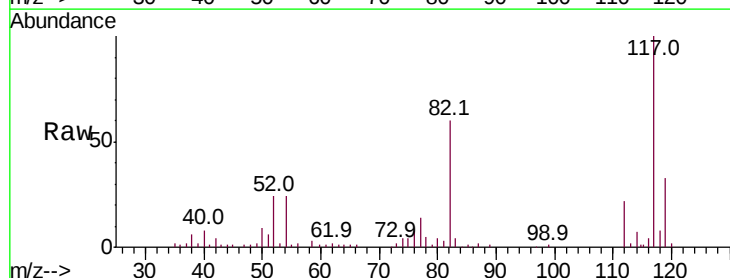
Acq: 18 Sep 2019 9:21

Tgt Ion:112 Resp: 15672

Ion Ratio Lower Upper

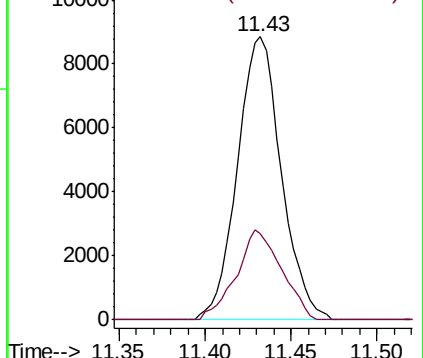
112 100

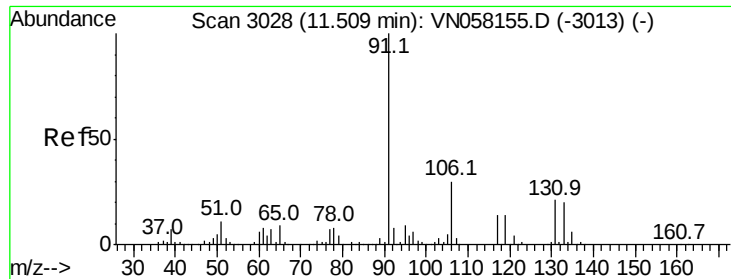
114 30.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

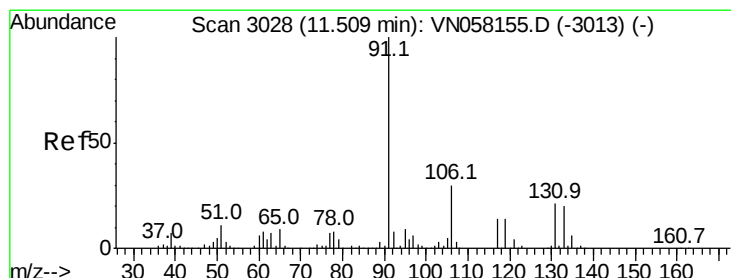
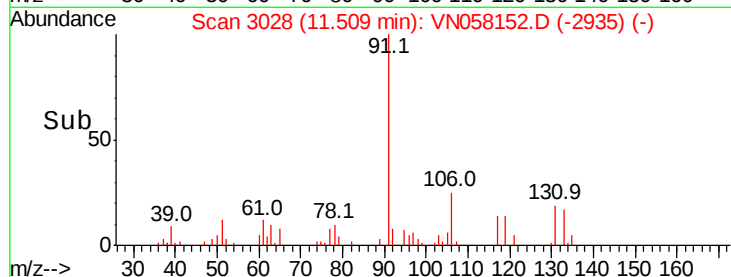
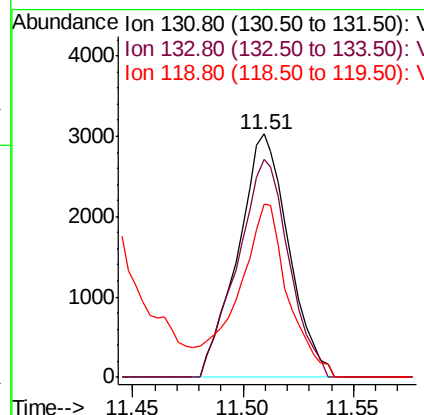
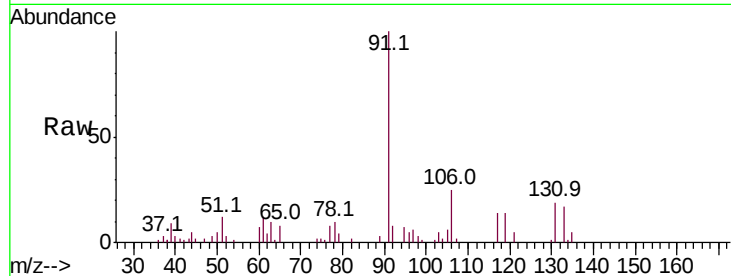




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.686 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

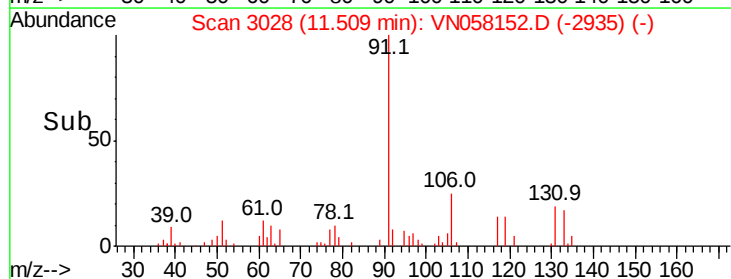
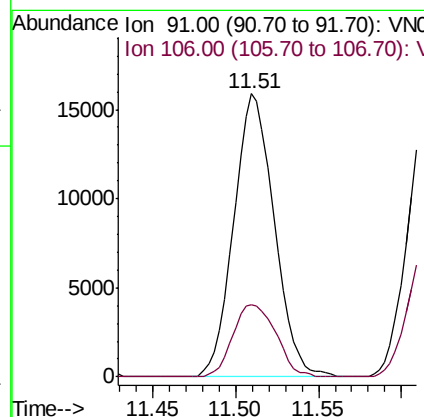
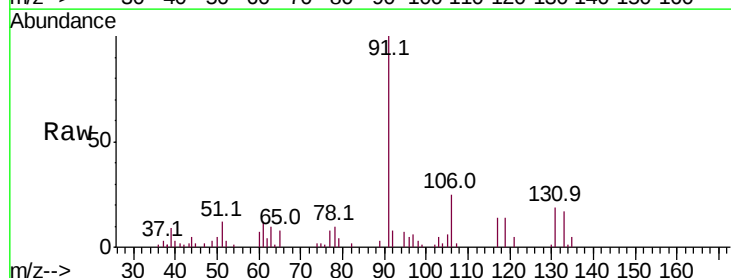
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

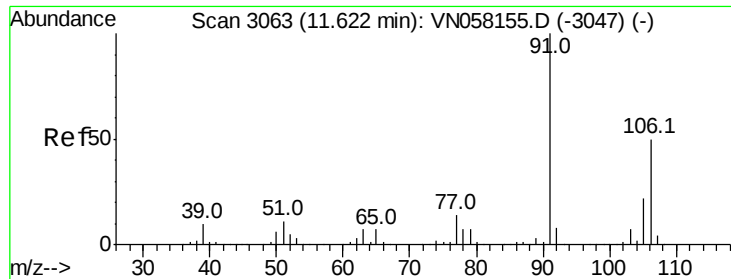
Tot Ion:131 Resp: 4840
 Ion Ratio Lower Upper
 131 100
 133 90.8 47.8 143.3
 119 0.0 33.1 99.3#



#67
 Ethyl Benzene
 Concen: 0.760 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 26963
 Ion Ratio Lower Upper
 91 100
 106 25.4 24.0 36.0

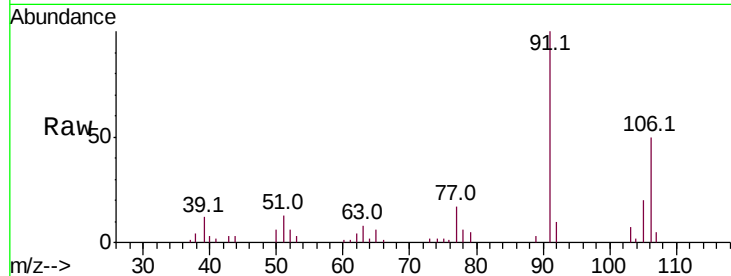




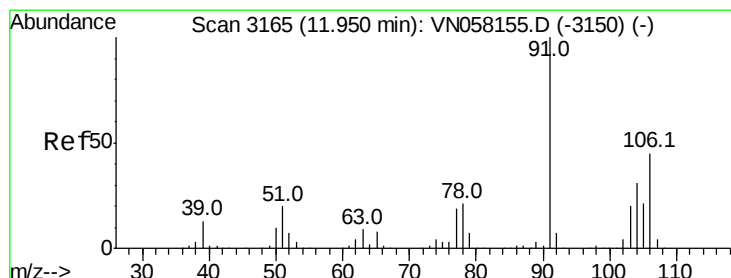
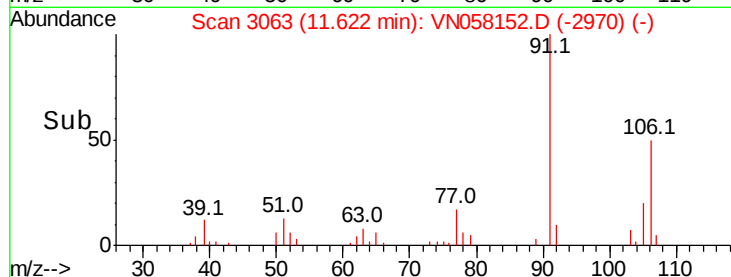
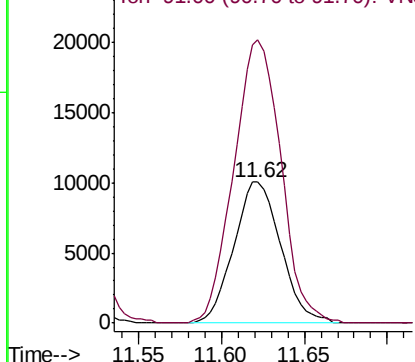
#68
m/p-Xylenes
Concen: 1.523 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 19794
Ion Ratio Lower Upper
106 100
91 202.0 163.6 245.4

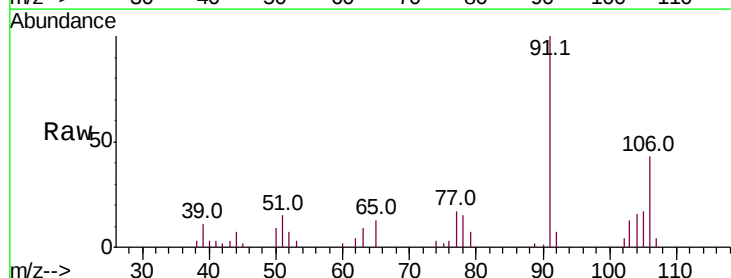


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

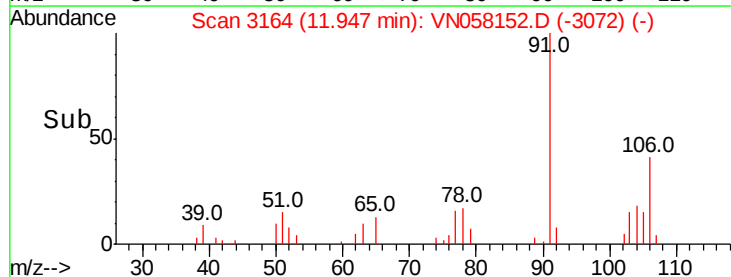
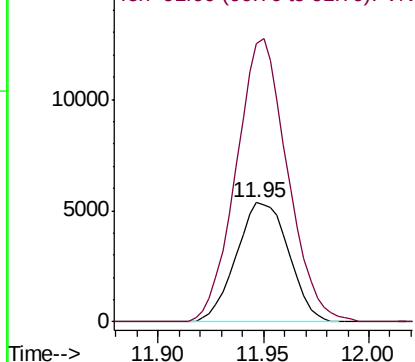


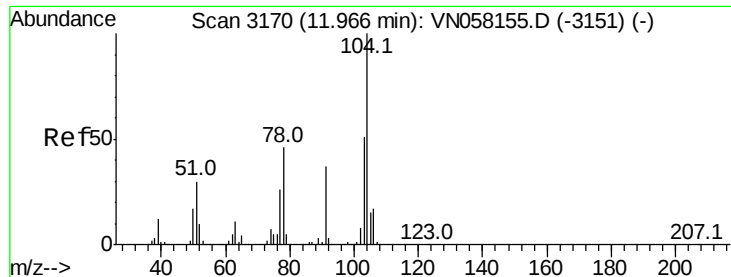
#69
o-Xylene
Concen: 0.720 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion:106 Resp: 9269
Ion Ratio Lower Upper
106 100
91 232.1 111.8 335.3



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

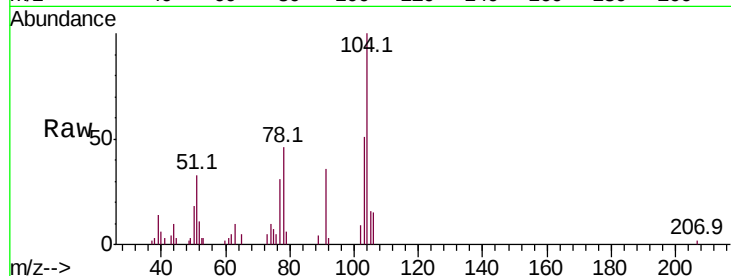




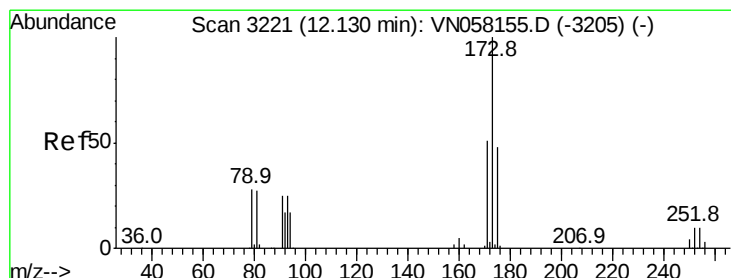
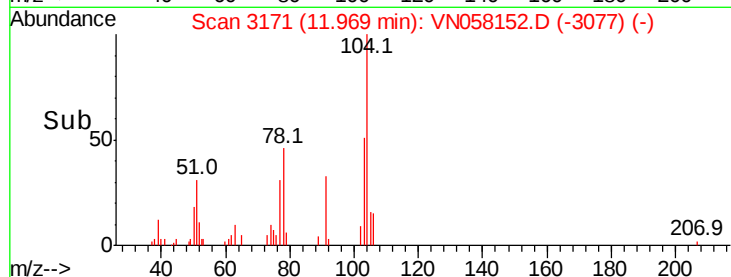
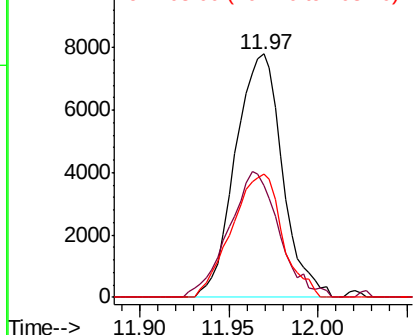
#70
Stvrene
Concen: 0.647 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:104 Resp: 14330
Ion Ratio Lower Upper
104 100
78 55.5 41.8 62.8
103 54.2 44.2 66.2

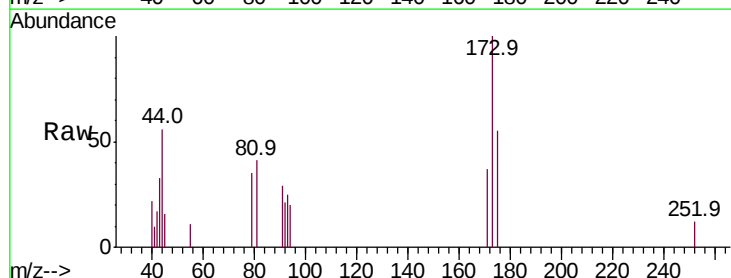


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

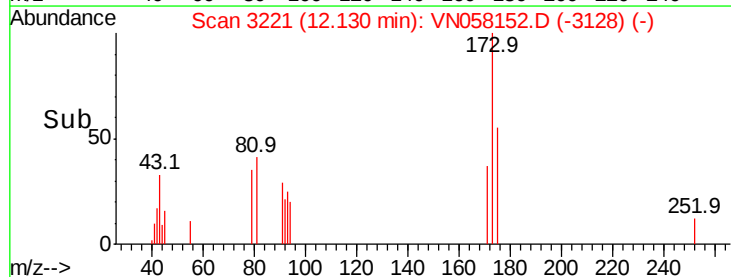
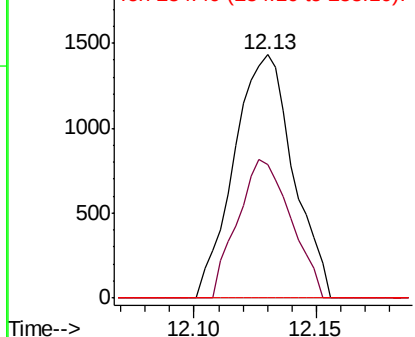


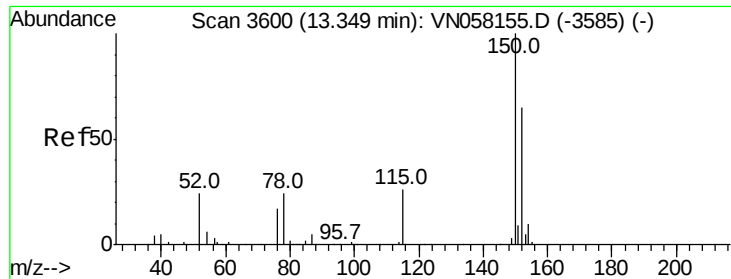
#71
Bromoform
Concen: 0.549 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion:173 Resp: 2406
Ion Ratio Lower Upper
173 100
175 51.1 24.2 72.6
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

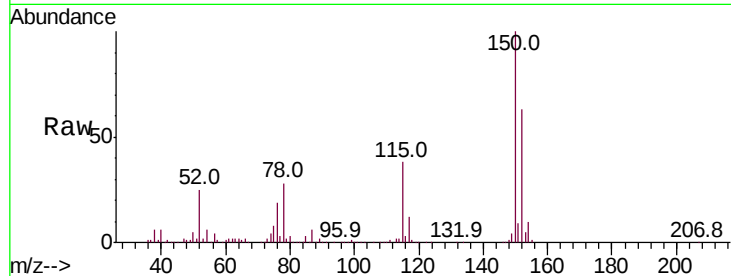
Tot Ion:152 Resp: 371819

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

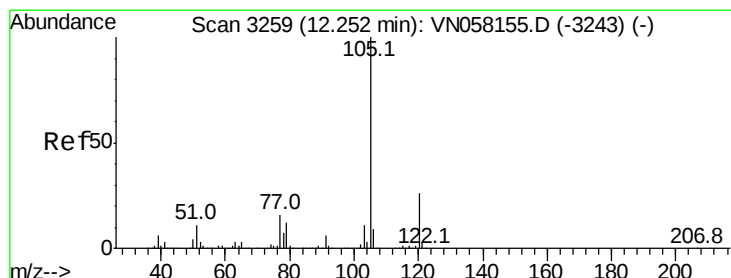
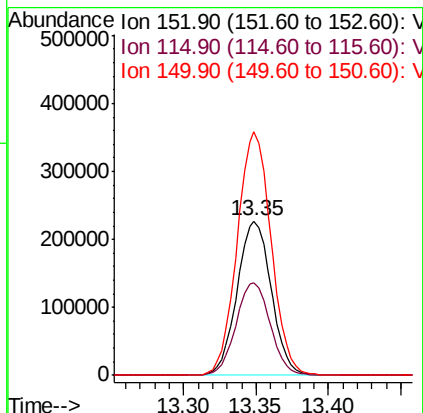
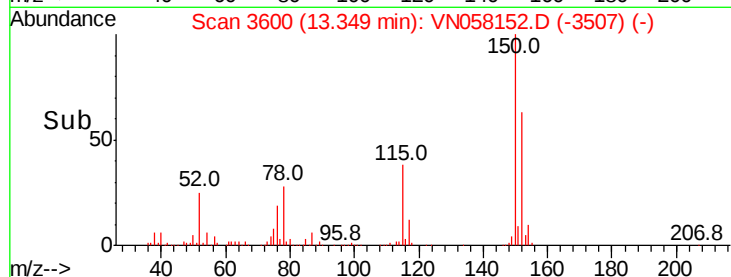
150 156.7 0.0 346.4



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: 0.899 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058152.D

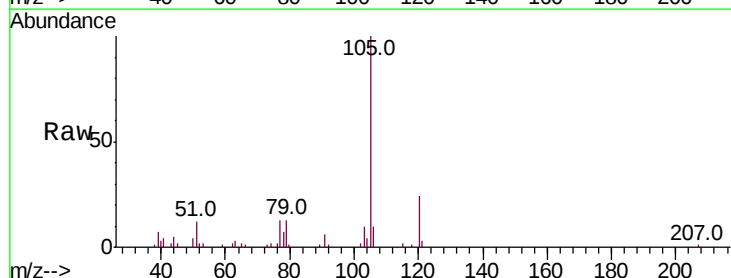
Acq: 18 Sep 2019 9:21

Tgt Ion:105 Resp: 25056

Ion Ratio Lower Upper

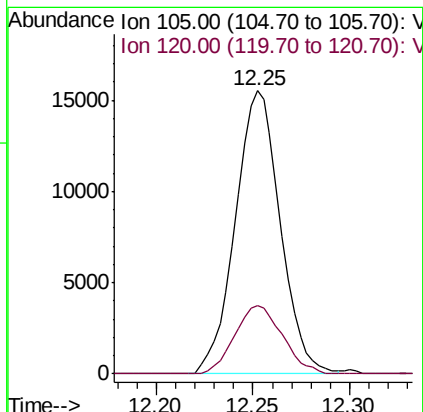
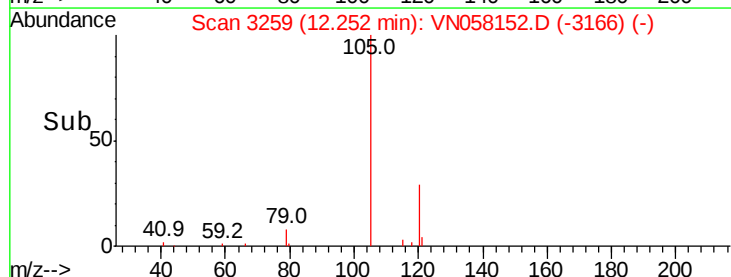
105 100

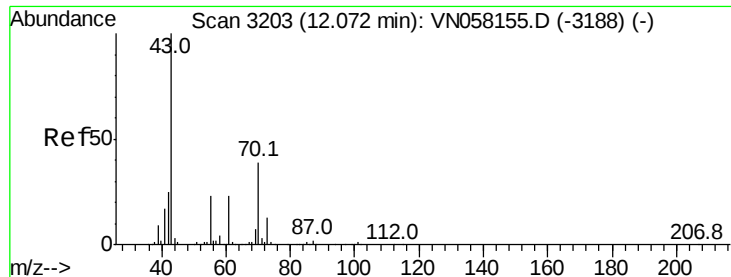
120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.658 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 7934

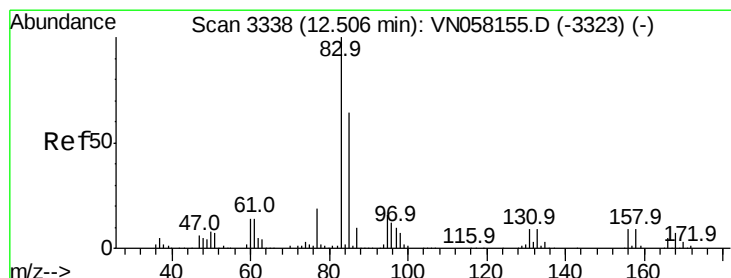
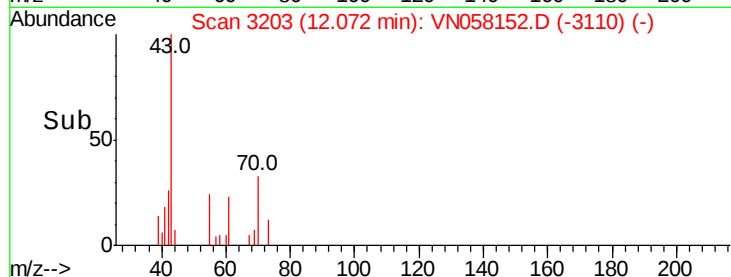
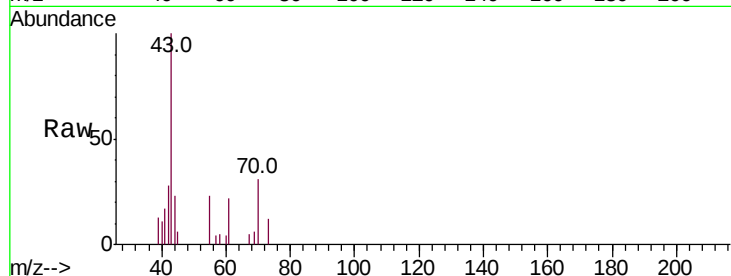
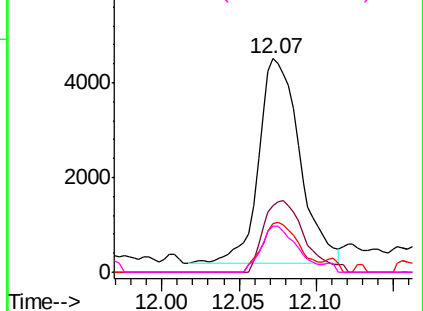
Ion	Ratio	Lower	Upper
43	100		
70	35.1	31.0	46.6
55	22.3	18.5	27.7
61	20.9	18.2	27.2

Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: 0.863 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

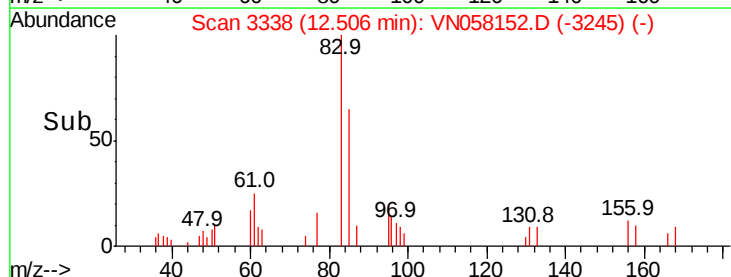
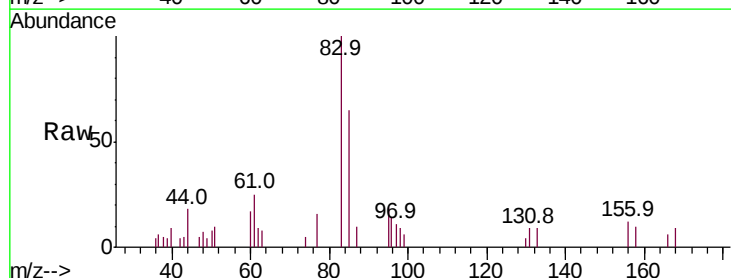
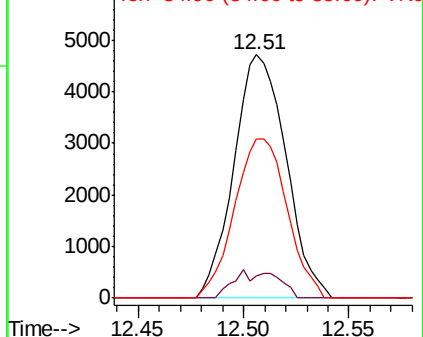
Tgt Ion: 83 Resp: 8089

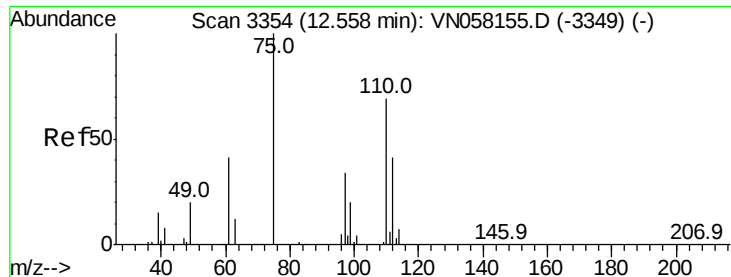
Ion	Ratio	Lower	Upper
83	100		
131	4.0	4.8	14.3#
85	66.1	31.9	95.5

Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 1.200 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

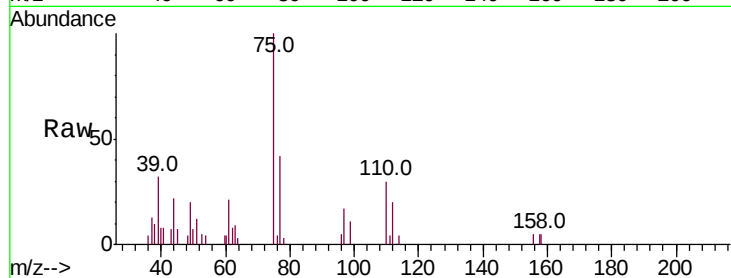
VSTDIC001

Tot Ion: 75 Resp: 9679

Ion Ratio Lower Upper

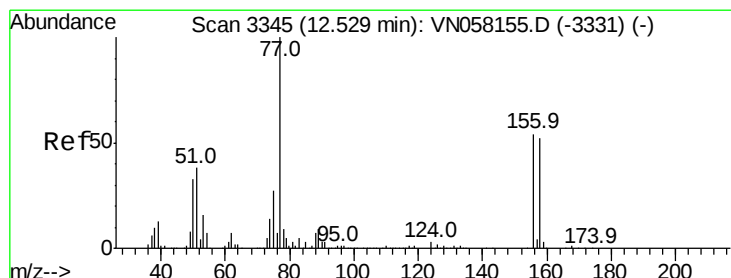
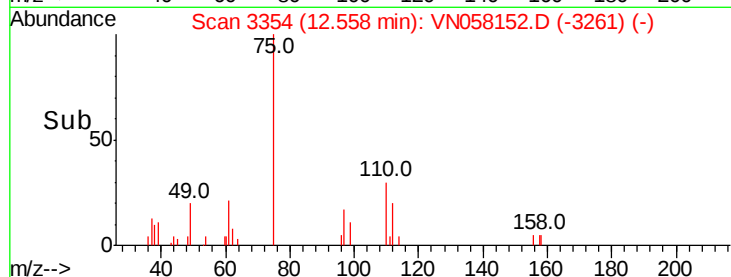
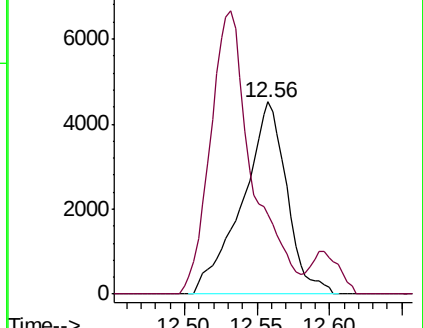
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)



#77

Bromobenzene

Concen: 0.951 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

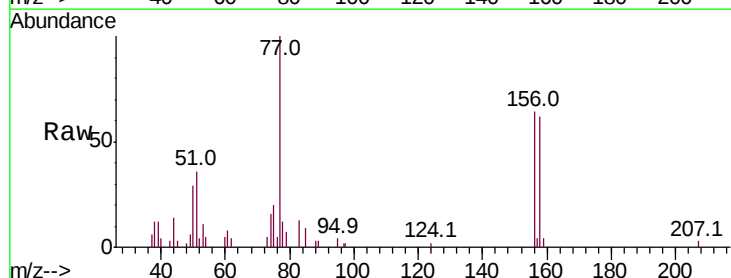
Tgt Ion: 156 Resp: 6641

Ion Ratio Lower Upper

156 100

77 202.5 111.7 335.1

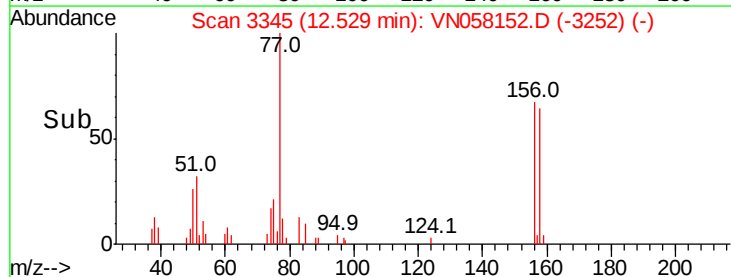
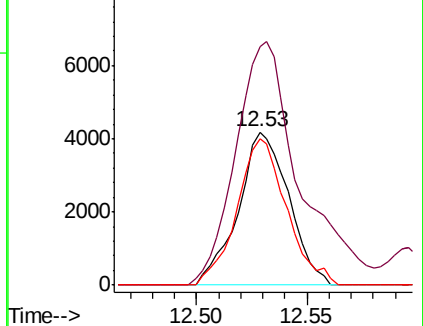
158 94.2 47.9 143.8

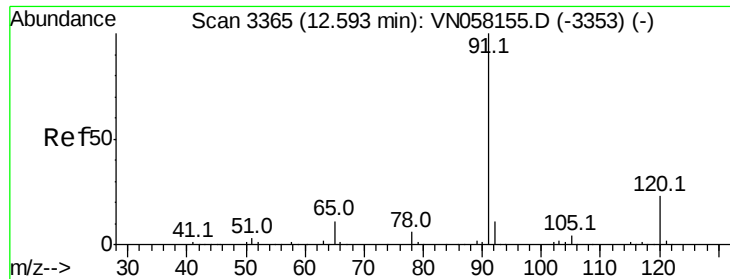


Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)





#78

n-propylbenzene

Concen: 0.866 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

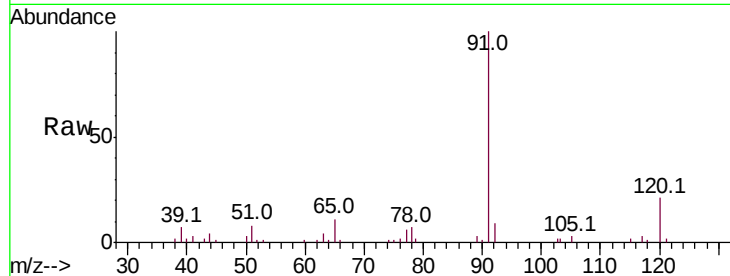
VSTDIC001

Tot Ion: 91 Resp: 27662

Ion Ratio Lower Upper

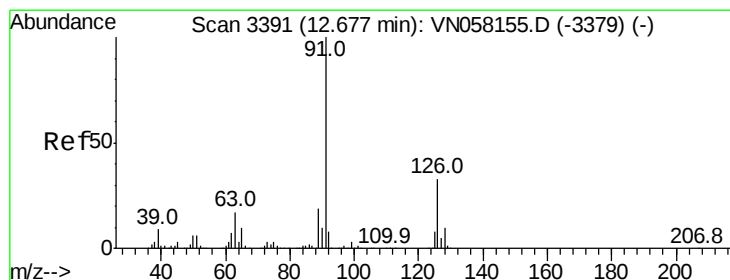
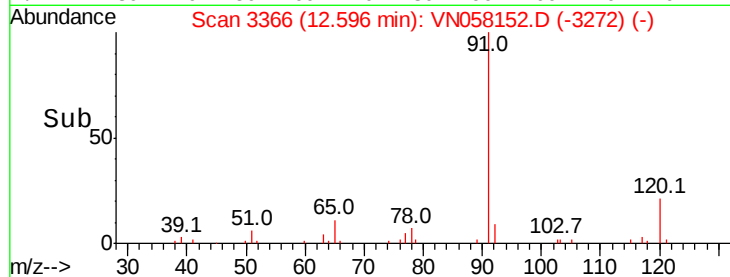
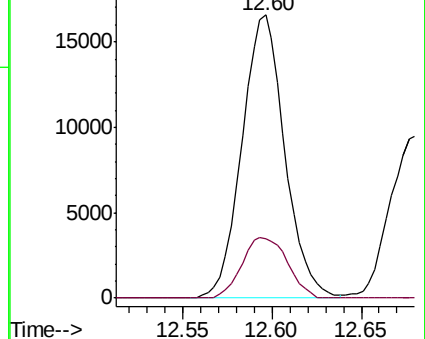
91 100

120 22.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.820 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058152.D

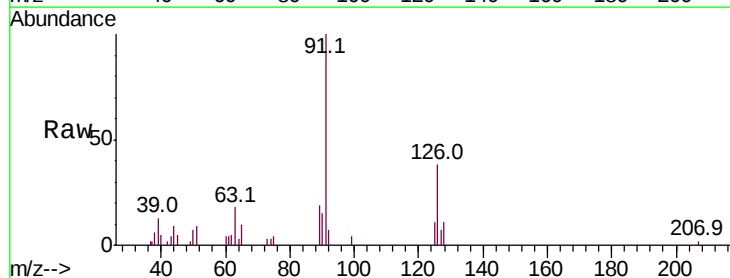
Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 16596

Ion Ratio Lower Upper

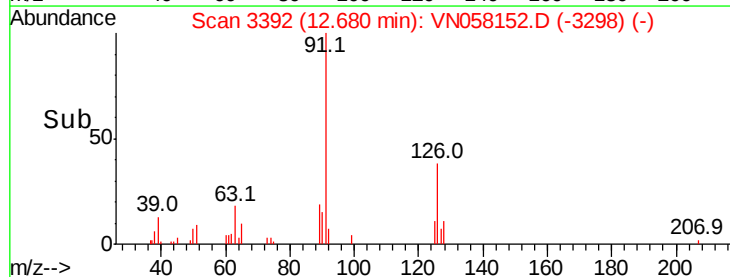
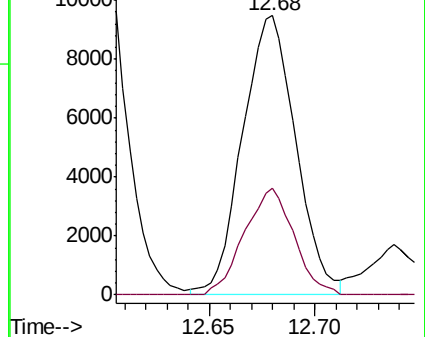
91 100

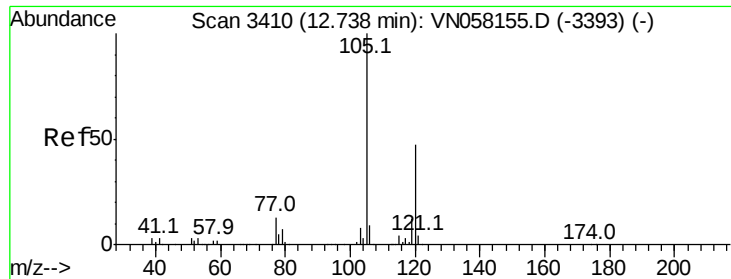
126 35.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

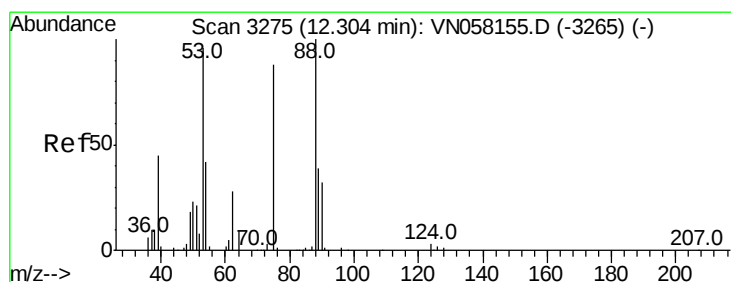
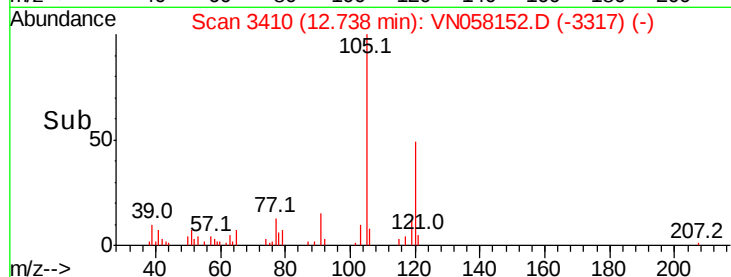
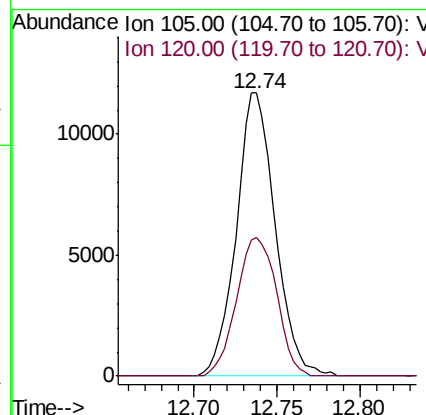
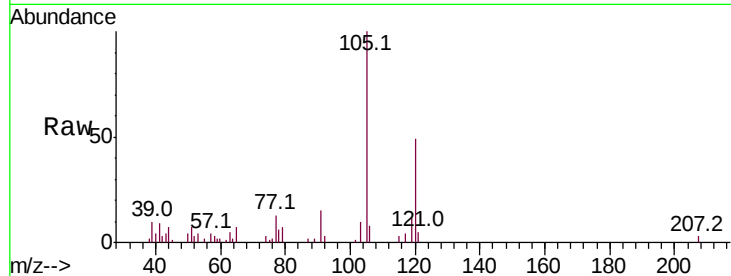




#80
 1,3,5-Trimethylbenzene
 Concen: 0.812 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

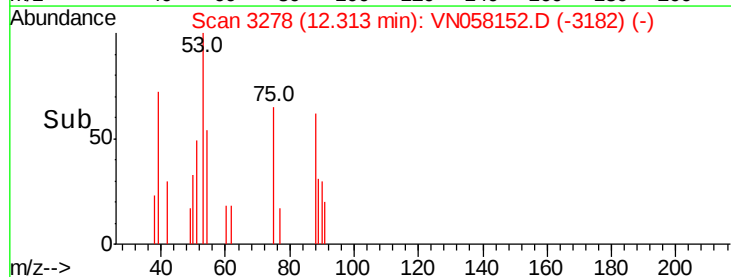
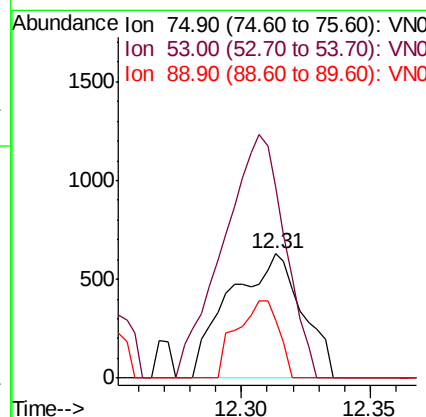
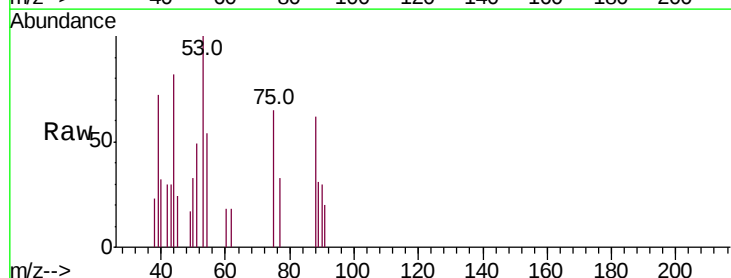
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

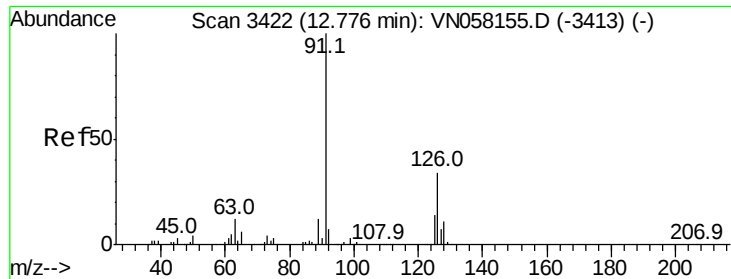
Tot Ion:105 Resp: 19141
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.540 ug/l
 RT: 12.31 min Scan# 3278
 Delta R.T. 0.01 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 75 Resp: 1233
 Ion Ratio Lower Upper
 75 100
 53 166.1 90.1 135.1#
 89 36.1 36.2 54.2#





#82

4-Chlorotoluene

Concen: 0.849 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

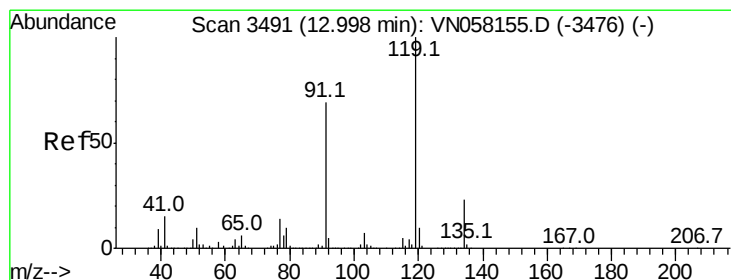
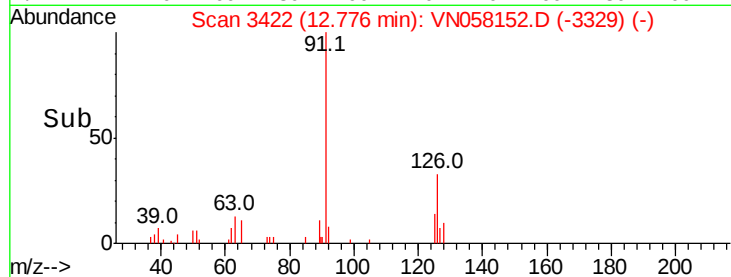
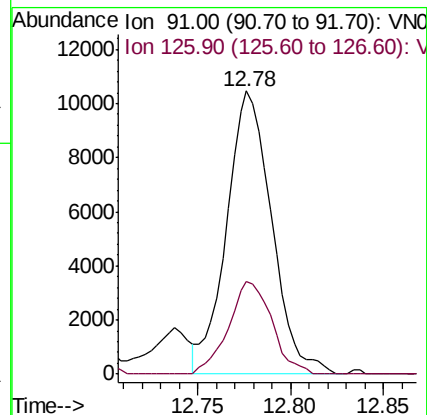
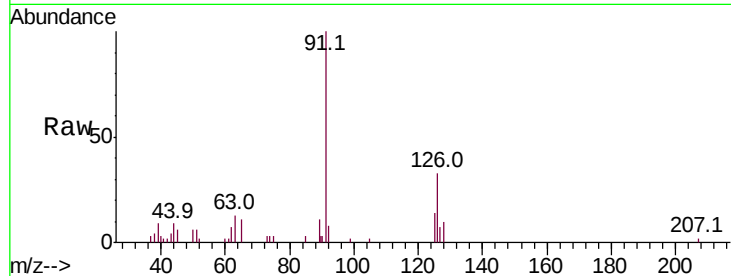
VSTDIC001

Tot Ion: 91 Resp: 17647

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1



#83

tert-Butylbenzene

Concen: 0.833 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

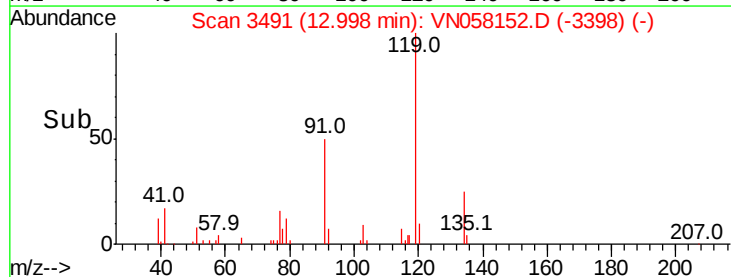
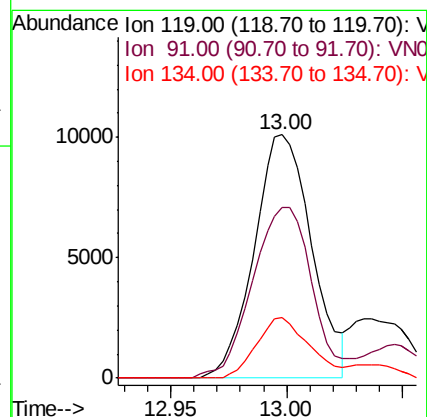
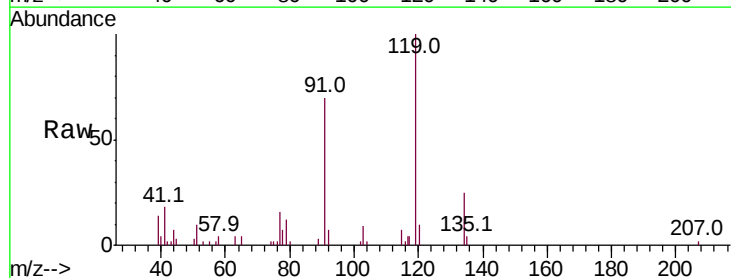
Tgt Ion: 119 Resp: 17446

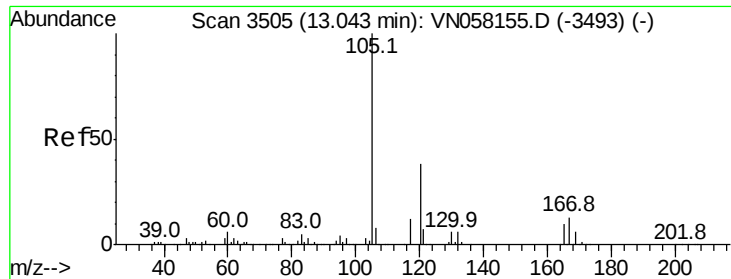
Ion Ratio Lower Upper

119 100

91 72.9 33.8 101.3

134 22.8 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 0.802 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

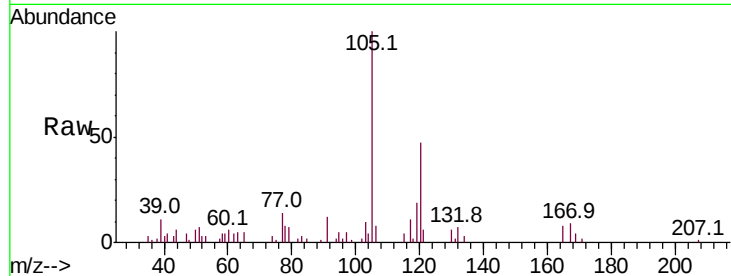
VSTDIC001

Tot Ion:105 Resp: 19169

Ion Ratio Lower Upper

105 100

120 45.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

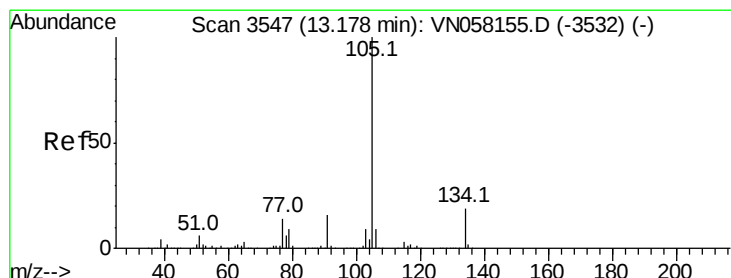
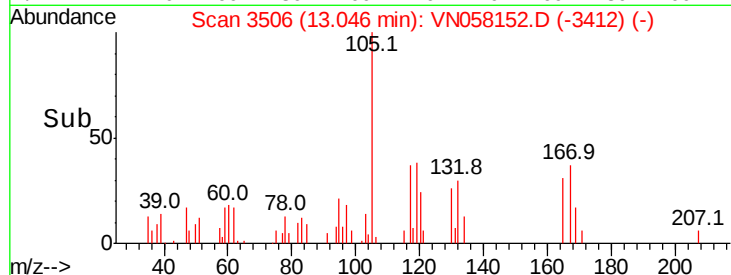
13.05

10000

5000

0

Time-->



#85

sec-Butylbenzene

Concen: 0.835 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058152.D

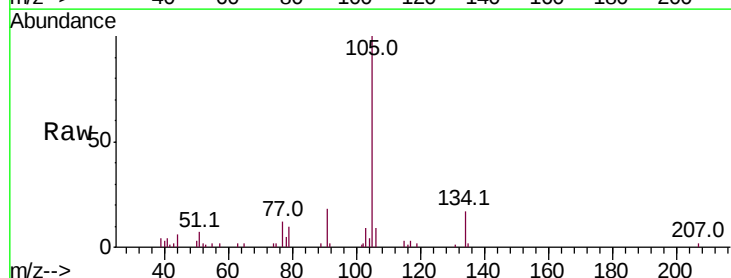
Acq: 18 Sep 2019 9:21

Tgt Ion:105 Resp: 23157

Ion Ratio Lower Upper

105 100

134 18.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

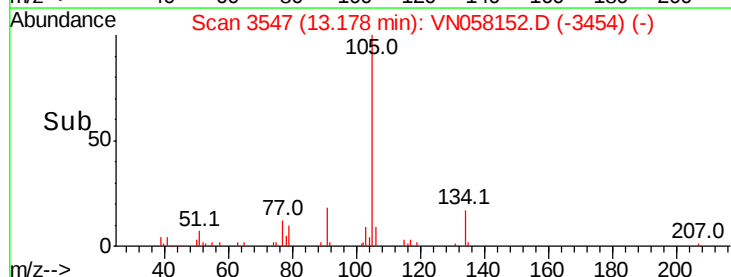
15000

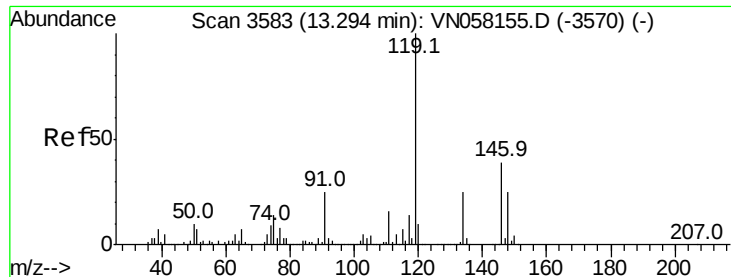
10000

5000

0

Time-->

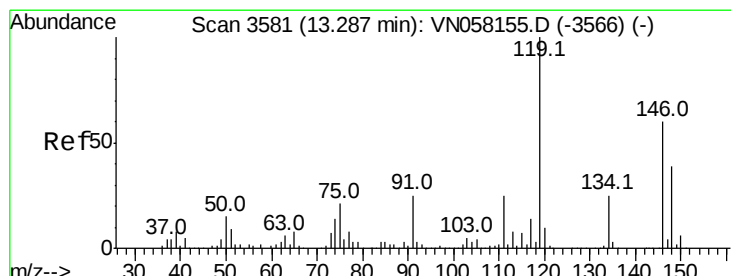
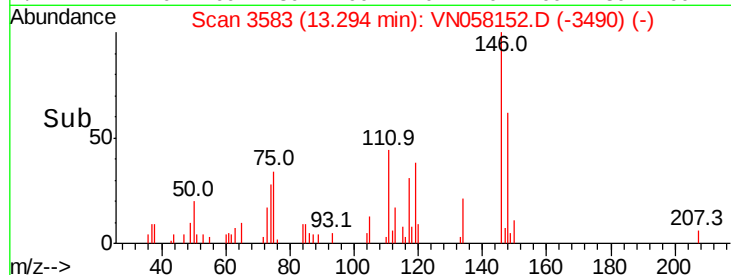
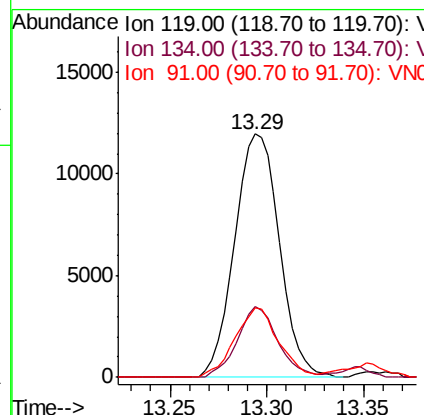
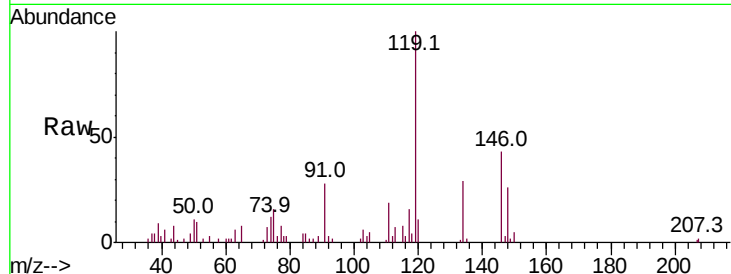




#86
p-Isopropyltoluene
Concen: 0.789 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

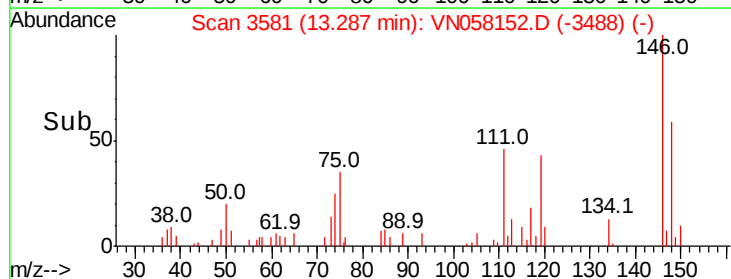
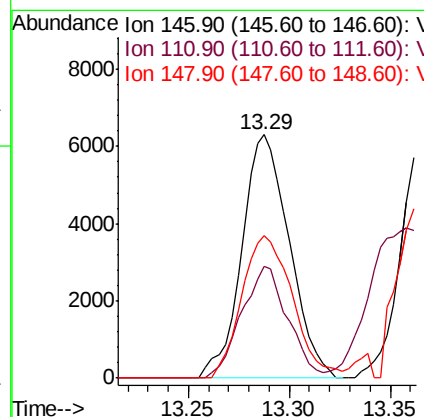
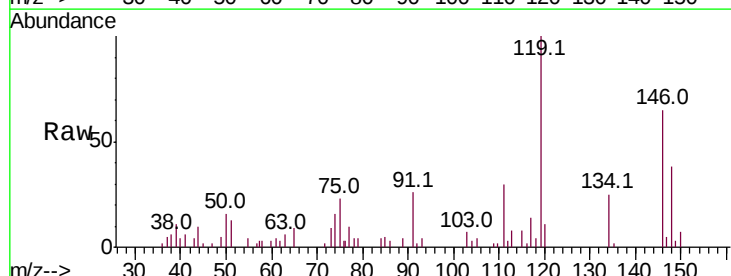
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

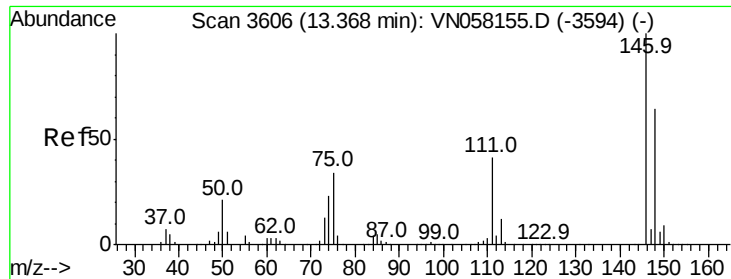
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.7	38.0
91	27.9	12.3	36.8



#87
1,3-Dichlorobenzene
Concen: 0.813 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058152.D
Acq: 18 Sep 2019 9:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.9	62.8
148	62.9	32.0	96.2

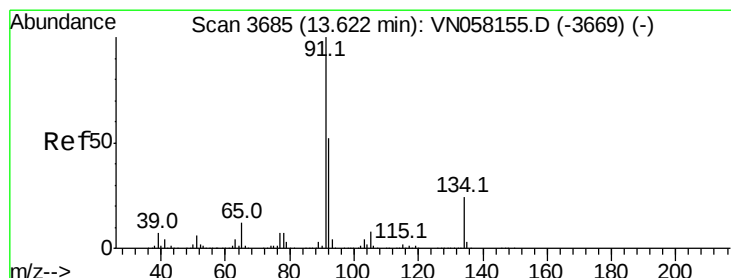
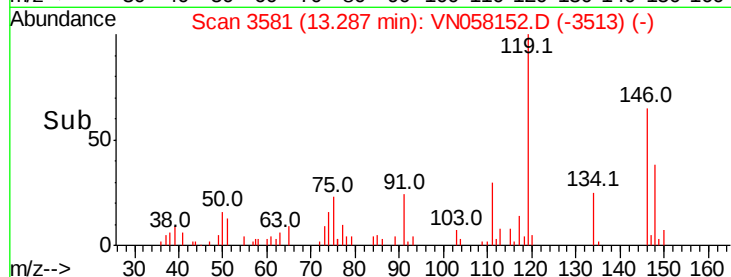
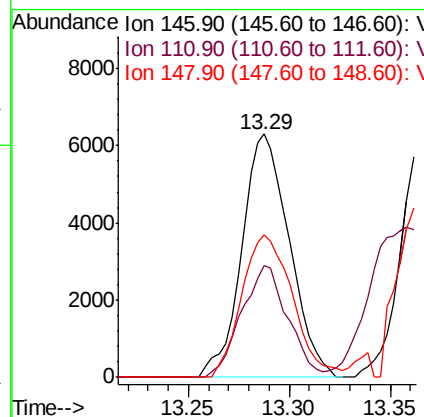
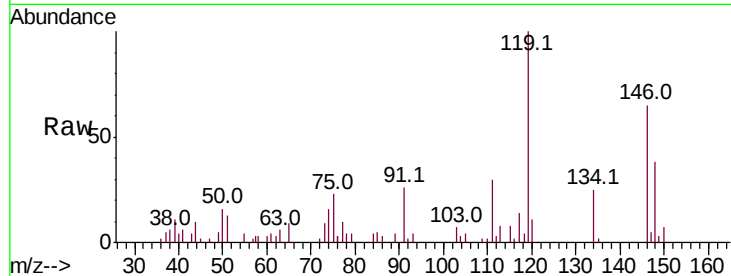




#88
 1,4-Dichlorobenzene
 Concen: 0.798 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

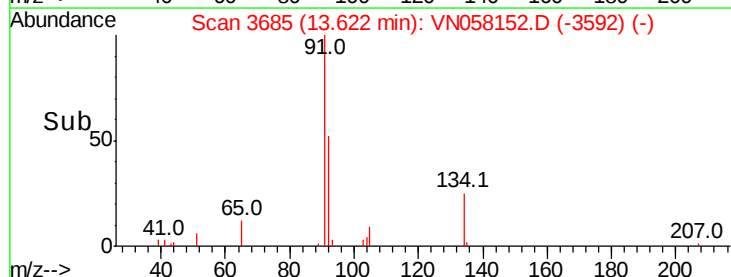
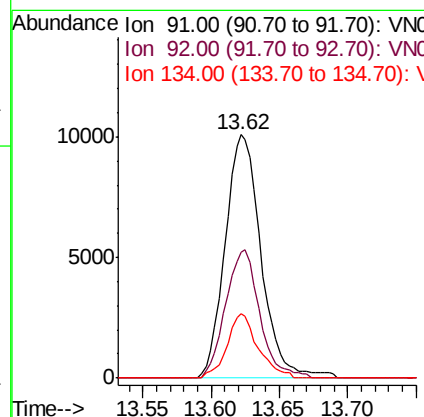
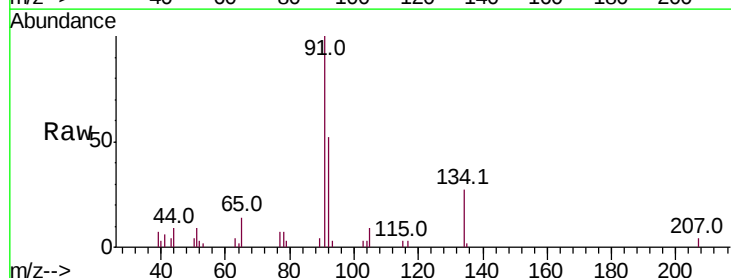
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

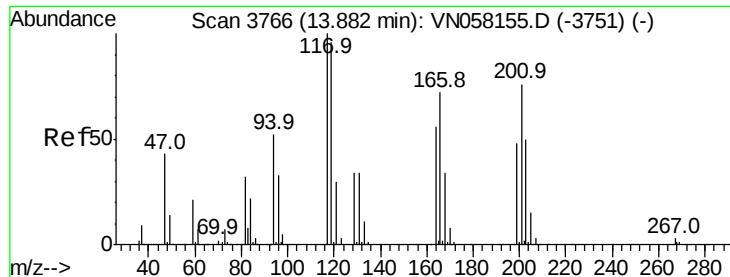
Tot Ion:146 Resp: 10374
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.5 61.5
 148 62.9 31.9 95.5



#89
 n-Butylbenzene
 Concen: 0.798 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058152.D
 Acq: 18 Sep 2019 9:21

Tgt Ion: 91 Resp: 18444
 Ion Ratio Lower Upper
 91 100
 92 49.9 25.7 77.0
 134 22.9 11.8 35.4





#90

Hexachloroethane

Concen: 0.701 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

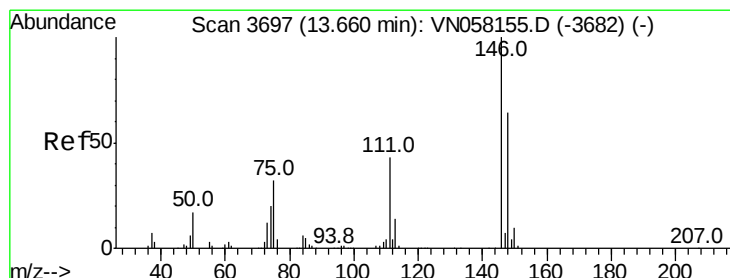
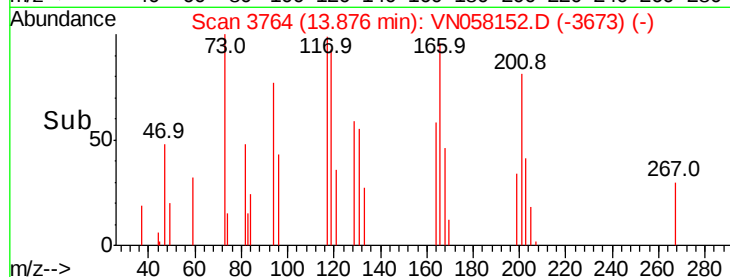
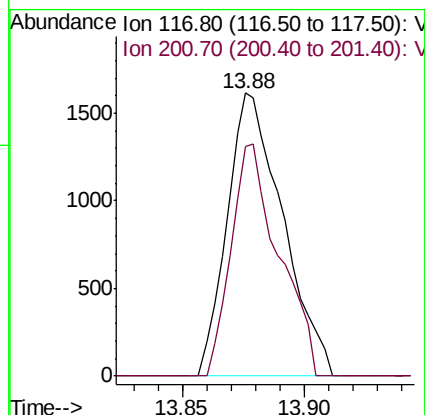
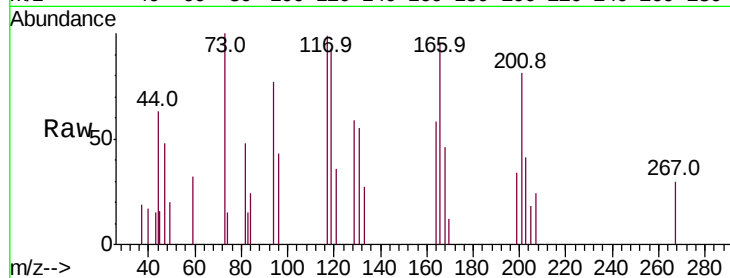
VSTDIC001

Tot Ion:117 Resp: 2556

Ion Ratio Lower Upper

117 100

201 70.7 37.5 112.5



#91

1,2-Dichlorobenzene

Concen: 0.820 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

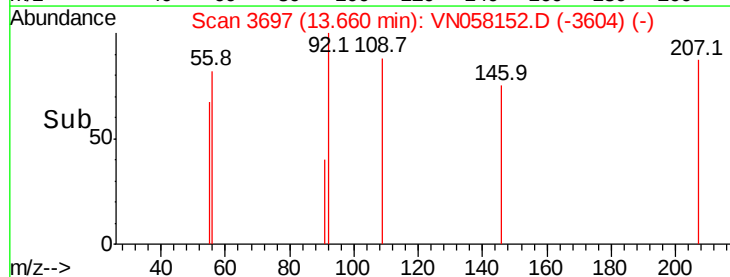
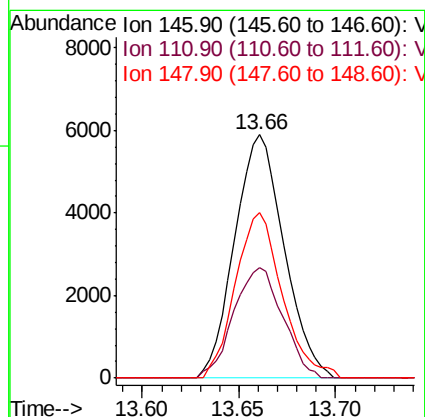
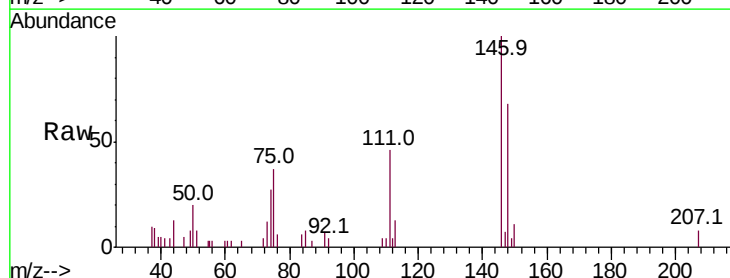
Tgt Ion:146 Resp: 10487

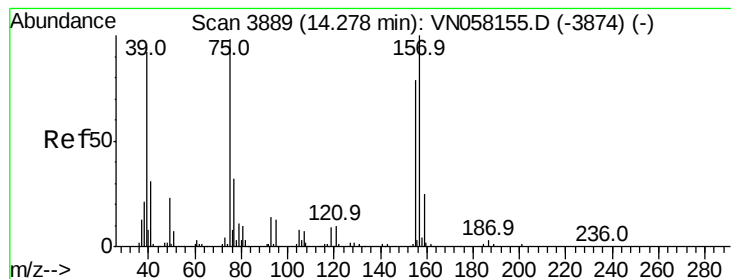
Ion Ratio Lower Upper

146 100

111 44.9 21.1 63.1

148 64.2 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.743 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

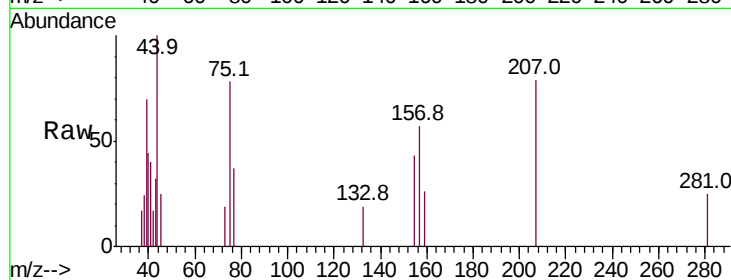
Tot Ion: 75 Resp: 1155

Ion Ratio Lower Upper

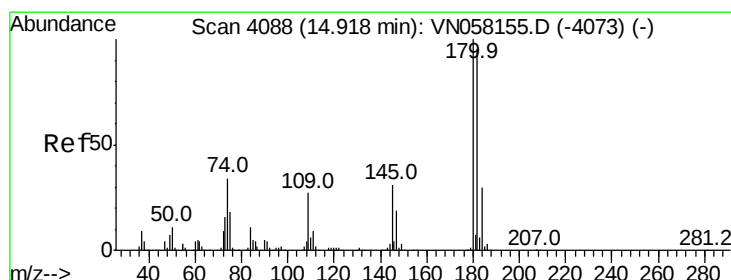
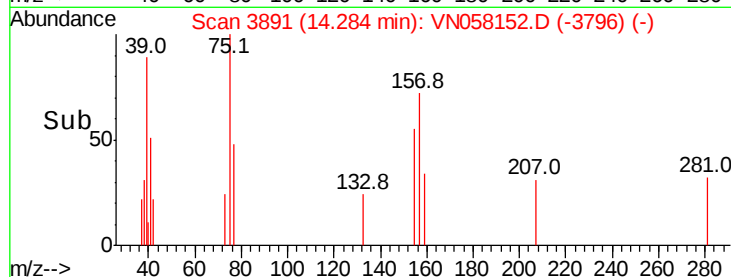
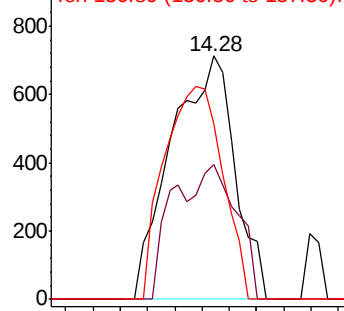
75 100

155 30.6 38.3 114.8#

157 0.0 48.0 144.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058152.D (-3891) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.716 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

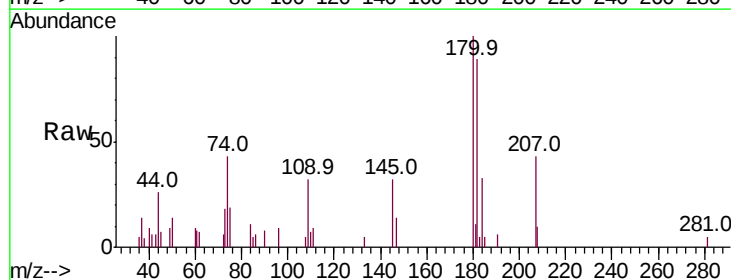
Tgt Ion: 180 Resp: 6046

Ion Ratio Lower Upper

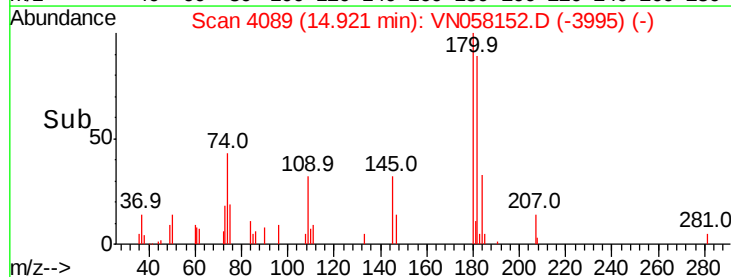
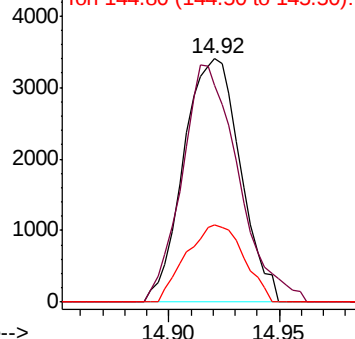
180 100

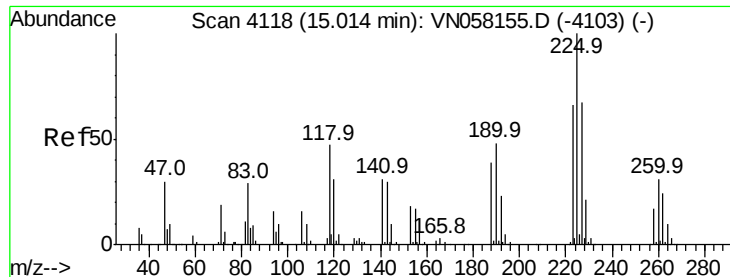
182 97.3 47.8 143.3

145 32.1 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): VN058152.D (-4089) (-)





#94

Hexachlorobutadiene

Concen: 0.845 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

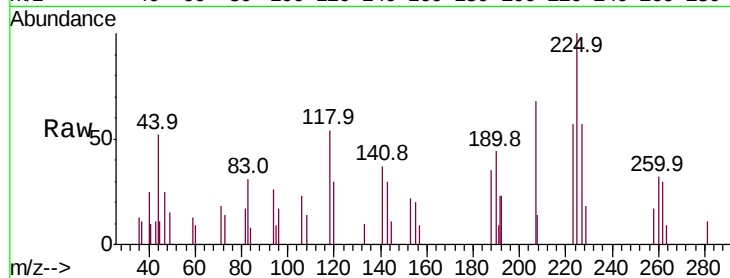
Tot Ion:225 Resp: 3061

Ion Ratio Lower Upper

225 100

223 68.4 32.6 97.7

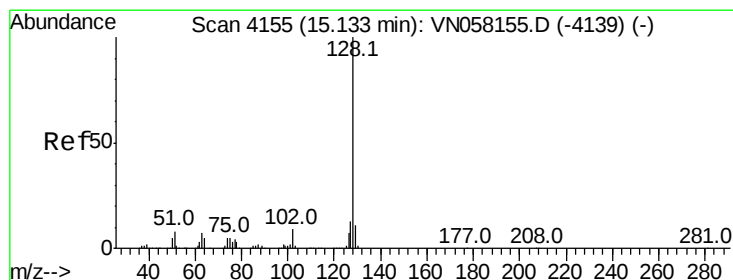
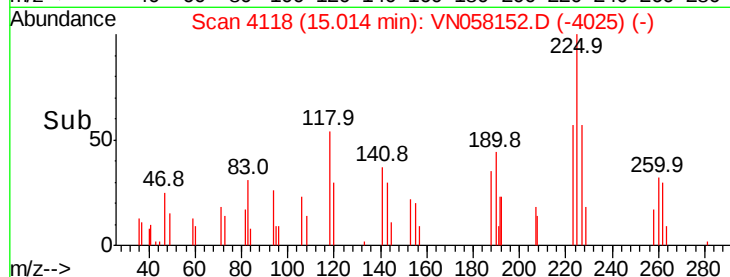
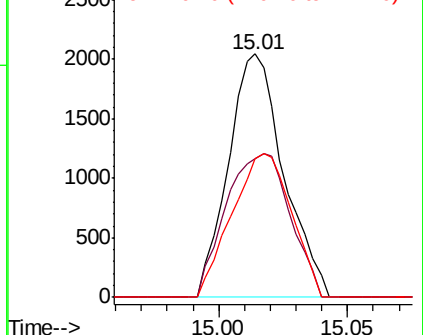
227 63.7 33.0 99.0



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: 0.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

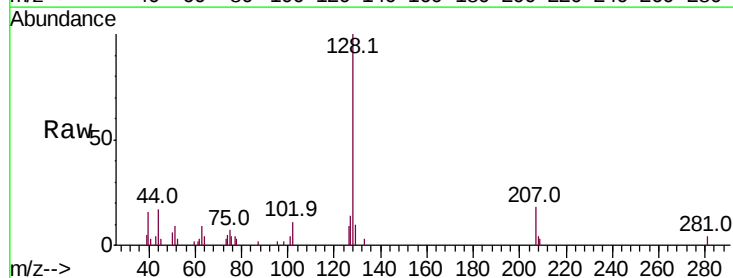
Tgt Ion:128 Resp: 14966

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

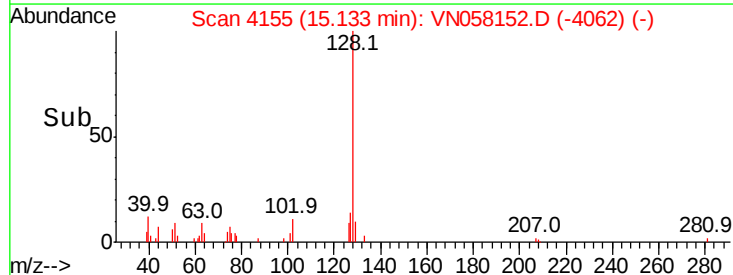
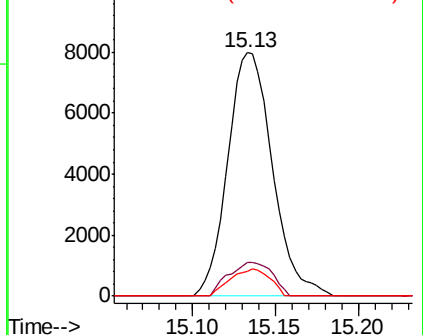
129 9.9 8.6 12.8

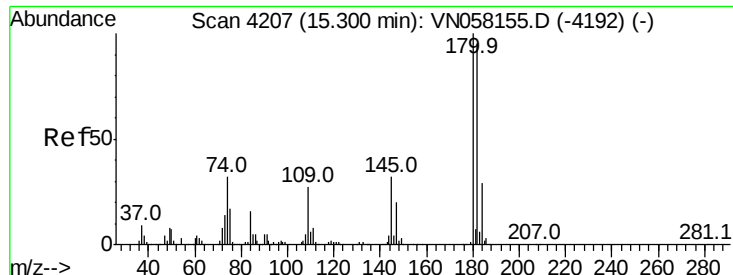


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.680 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058152.D

Acq: 18 Sep 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

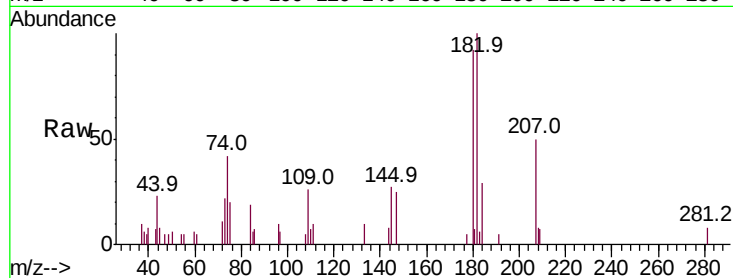
Tot Ion:180 Resp: 5615

Ion Ratio Lower Upper

180 100

182 99.6 47.4 142.2

145 30.6 16.1 48.2



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

