

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
 Data File : VN059676.D
 Acq On : 20 Dec 2019 13:25
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Dec 20 15:20:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 15:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	270998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	448329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	482679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	3171	0.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.66%	
35) Dibromofluoromethane	7.56	113	2486	0.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.80%	
50) Toluene-d8	10.08	98	10062	0.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.82%	
62) 4-Bromofluorobenzene	12.40	95	3382	0.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.70%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	5052	1.503	ug/l	93
3) Chloromethane	2.04	50	8108	1.535	ug/l	95
4) Vinyl Chloride	2.17	62	4740	0.970	ug/l #	88
5) Bromomethane	2.55	94	3262	1.140	ug/l	86
6) Chloroethane	2.68	64	4205	1.499	ug/l	97
7) Trichlorofluoromethane	3.00	101	7282	1.403	ug/l	94
8) Diethyl Ether	3.39	74	2765	1.637	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3568	1.276	ug/l	98
10) Methyl Iodide	3.92	142	5390	1.474	ug/l #	94
11) Tert butyl alcohol	4.76	59	2539	3.735	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	3585	1.309	ug/l	91
13) Acrolein	3.59	56	1551	3.381	ug/l #	82
14) Allyl chloride	4.30	41	9037	1.610	ug/l	91
15) Acrylonitrile	4.97	53	12607	7.519	ug/l #	54
16) Acetone	3.79	43	21233	9.815	ug/l	94
17) Carbon Disulfide	4.03	76	17385	1.835	ug/l	96
18) Methyl Acetate	4.30	43	7405	1.541	ug/l #	72
19) Methyl tert-butyl Ether	5.00	73	5971	0.624	ug/l	97
20) Methylene Chloride	4.52	84	13597	4.028	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	5563	1.828	ug/l	91
22) Diisopropyl ether	5.92	45	16761	1.626	ug/l #	79
23) Vinyl Acetate	5.87	43	62994	7.862	ug/l	100
24) 1,1-Dichloroethane	5.82	63	10126	1.717	ug/l #	95
25) 2-Butanone	6.81	43	19052	7.287	ug/l	94
26) 2,2-Dichloropropane	6.79	77	8236	1.582	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	5957	1.804	ug/l	91
28) Bromochloromethane	7.16	49	770	0.381	ug/l #	64
29) Tetrahydrofuran	7.19	42	11898	7.295	ug/l	91
30) Chloroform	7.34	83	8493	1.493	ug/l	90
31) Cyclohexane	7.64	56	13107	2.374	ug/l #	35
32) 1,1,1-Trichloroethane	7.55	97	7351	1.438	ug/l #	48
36) 1,1-Dichloropropene	7.77	75	7173	1.581	ug/l	98
37) Ethyl Acetate	6.90	43	7763	1.477	ug/l #	93
38) Carbon Tetrachloride	7.75	117	6719	1.444	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	6358	1.242	ug/l	97
40) Benzene	8.02	78	17412	1.307	ug/l	97
41) Methacrylonitrile	7.19	41	10627	4.959	ug/l #	48
42) 1,2-Dichloroethane	8.10	62	6727	1.353	ug/l	90
43) Isopropyl Acetate	8.14	43	9603	1.195	ug/l #	89
44) Trichloroethene	8.82	130	4659	1.344	ug/l	95
45) 1,2-Dichloropropane	9.11	63	4809	1.333	ug/l	97
46) Dibromomethane	9.19	93	3579	1.536	ug/l	87
47) Bromodichloromethane	9.39	83	6793	1.488	ug/l	98
48) Methyl methacrylate	9.19	41	4716	1.282	ug/l	93
49) 1,4-Dioxane	9.19	88	1302	24.975	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	31217	6.506	ug/l	100
52) Toluene	10.14	92	12410	1.519	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	7371	1.404	ug/l #	83
54) cis-1,3-Dichloropropene	9.82	75	7277	1.283	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	3807	1.193	ug/l	95
56) Ethyl methacrylate	10.42	69	5431	1.186	ug/l	97
57) 1,3-Dichloropropane	10.70	76	7454	1.338	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	3147	2.412	ug/l #	71
59) 2-Hexanone	10.74	43	22673	6.004	ug/l	98
60) Dibromochloromethane	10.90	129	5085	1.468	ug/l	94
61) 1,2-Dibromoethane	11.00	107	4253	1.260	ug/l	100
64) Tetrachloroethene	10.62	164	4557	1.049	ug/l	95
65) Chlorobenzene	11.42	112	12315	1.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	3656	0.960	ug/l #	55
67) Ethyl Benzene	11.51	91	18893	1.045	ug/l	100
68) m/p-Xylenes	11.62	106	12796	1.920	ug/l	93
69) o-Xylene	11.94	106	7439	1.175	ug/l	94
70) Styrene	11.96	104	10310	1.018	ug/l	98
71) Bromoform	12.12	173	3310	1.168	ug/l #	99
73) Isopropylbenzene	12.25	105	19071	1.666	ug/l	99
74) N-amyl acetate	12.07	43	7292	1.413	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	6374	1.749	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	9434	2.625	ug/l #	100
77) Bromobenzene	12.52	156	5237	1.838	ug/l	95
78) n-propylbenzene	12.59	91	22045	1.634	ug/l	99
79) 2-Chlorotoluene	12.67	91	12170	1.485	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	14560	1.494	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1651	1.143	ug/l #	79
82) 4-Chlorotoluene	12.77	91	14536	1.736	ug/l	97
83) tert-Butylbenzene	12.99	119	10374	1.254	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	12073	1.258	ug/l	94
85) sec-Butylbenzene	13.17	105	14689	1.351	ug/l	99
86) p-Isopropyltoluene	13.29	119	12155	1.234	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	7126	1.377	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	7126	1.353	ug/l	94
89) n-Butylbenzene	13.61	91	12975	1.409	ug/l	96
90) Hexachloroethane	13.87	117	3111	1.668	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	8296	1.620	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2467	2.291	ug/l	63

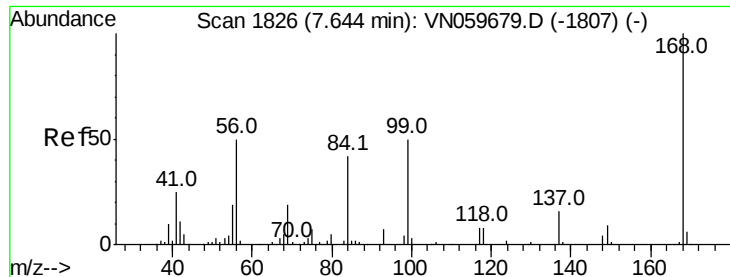
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Quant Title : SW846 8260
QLast Update : Fri Dec 20 15:18:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7788	2.351	ug/l	97
94) Hexachlorobutadiene	15.01	225	3221	1.790	ug/l	93
95) Naphthalene	15.12	128	28381	2.884	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	8804	2.671	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

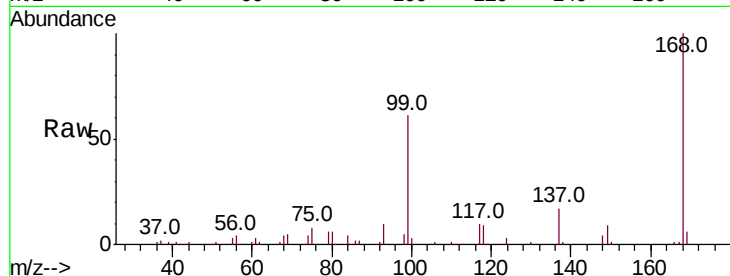
VSTDIC001

Tot Ion:168 Resp: 270998

Ion Ratio Lower Upper

168 100

99 60.5 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

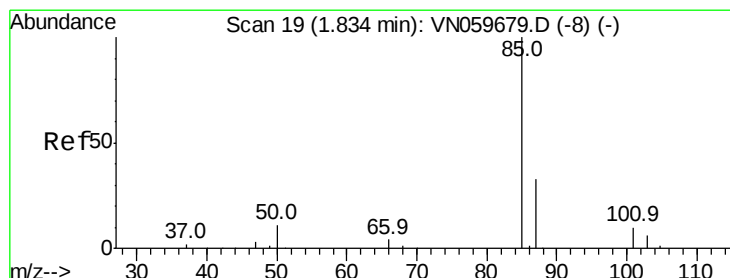
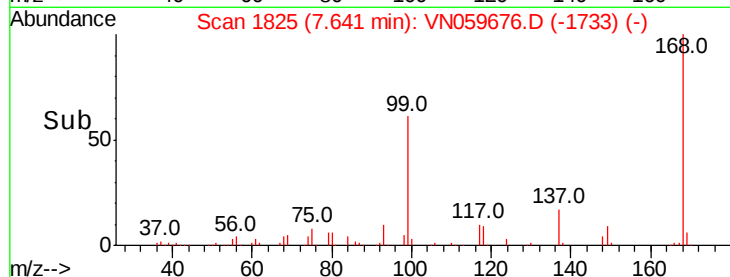
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.503 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059676.D

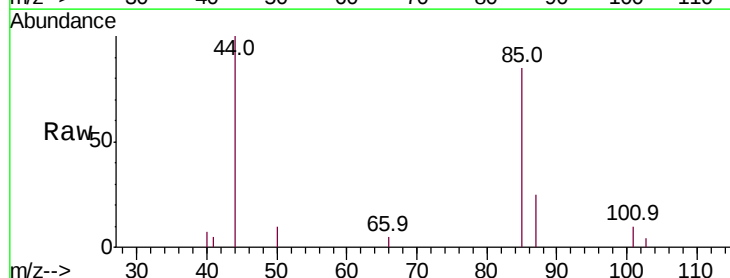
Acq: 20 Dec 2019 13:25

Tgt Ion: 85 Resp: 5052

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

4000

3000

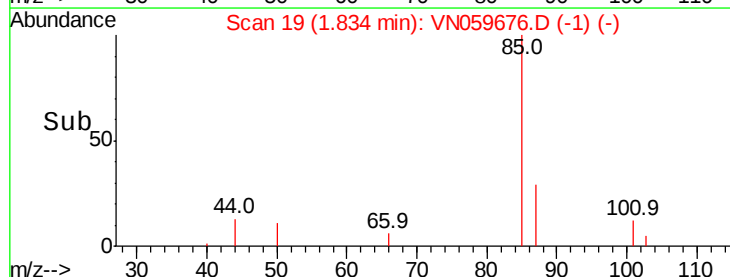
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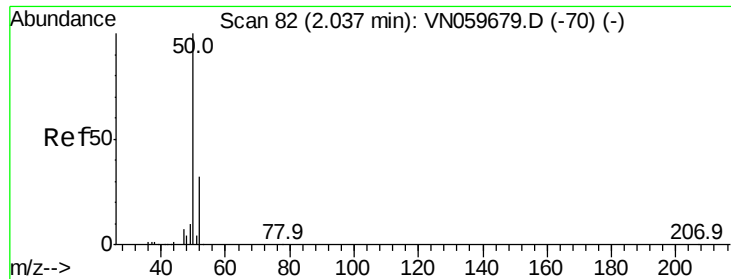
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 1.535 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

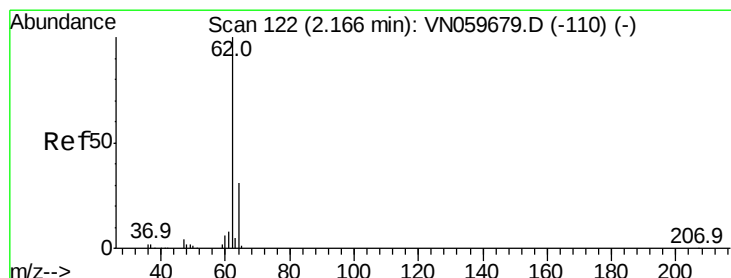
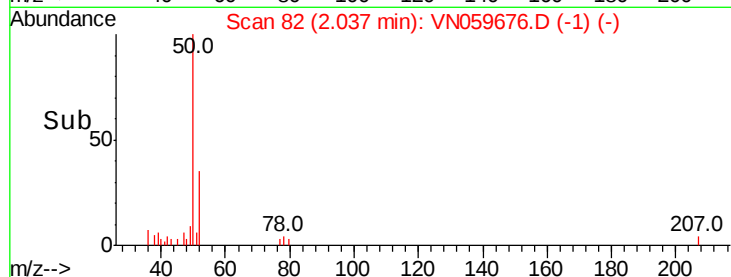
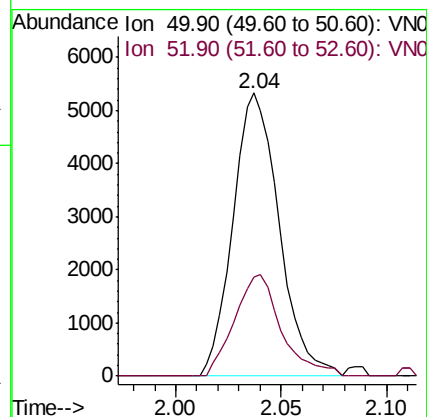
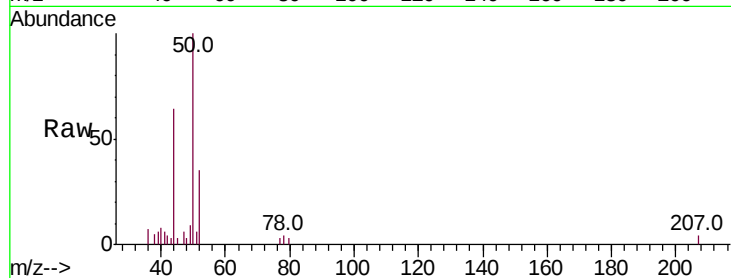
VSTDIC001

Tot Ion: 50 Resp: 8108

Ion Ratio Lower Upper

50 100

52 35.1 25.9 38.9



#4

Vinyl Chloride

Concen: 0.970 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059676.D

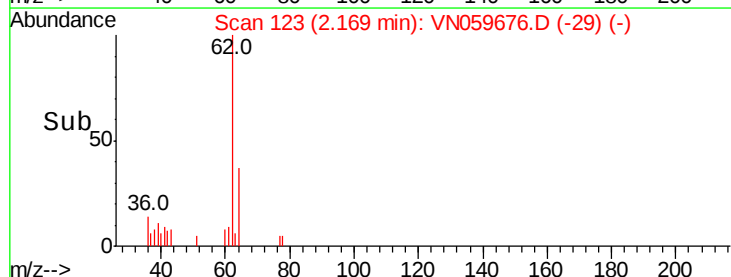
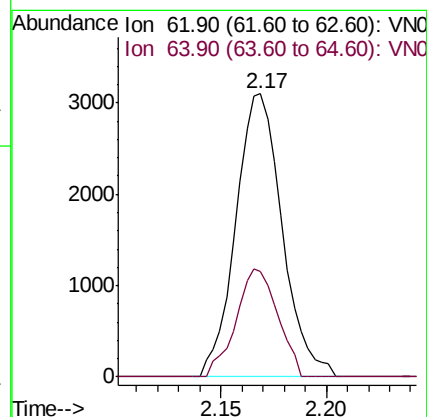
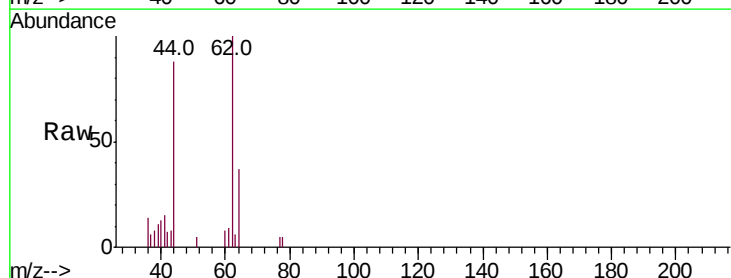
Acq: 20 Dec 2019 13:25

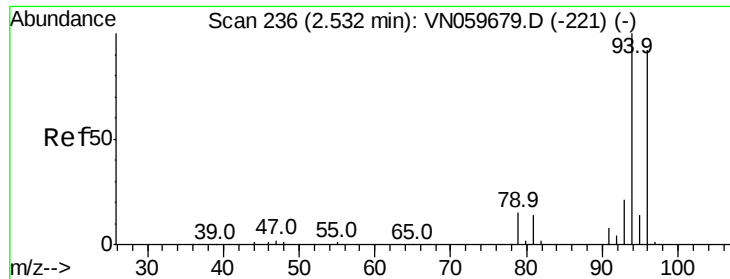
Tgt Ion: 62 Resp: 4740

Ion Ratio Lower Upper

62 100

64 37.2 24.5 36.7#

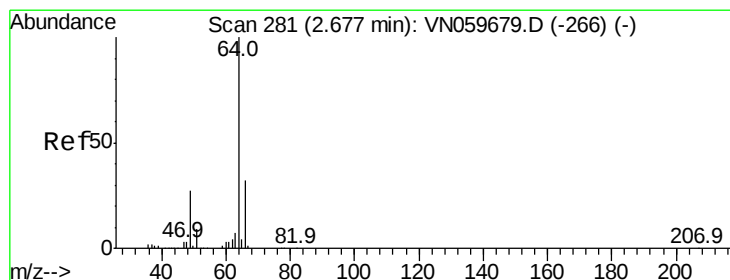
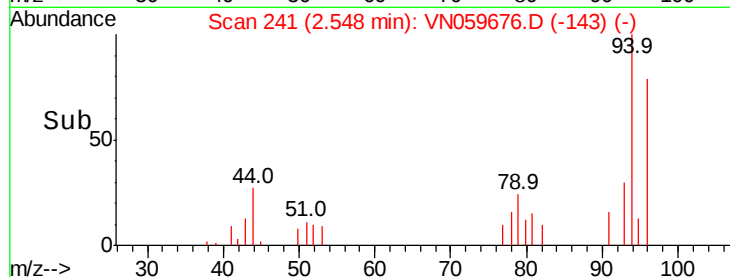
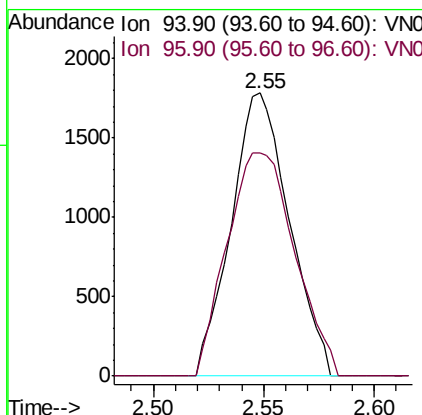
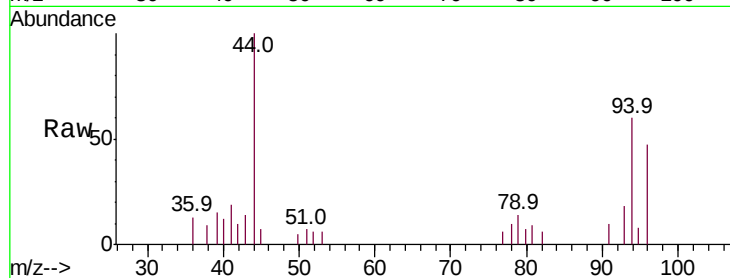




#5
Bromomethane
Concen: 1.140 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.02 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

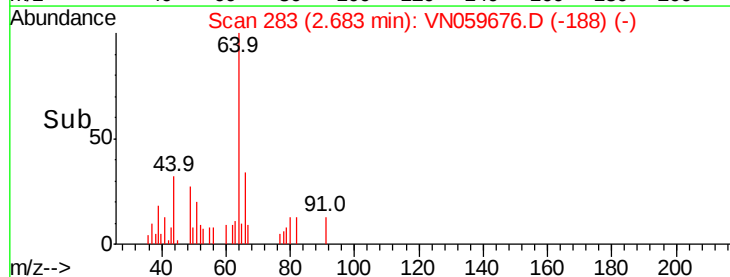
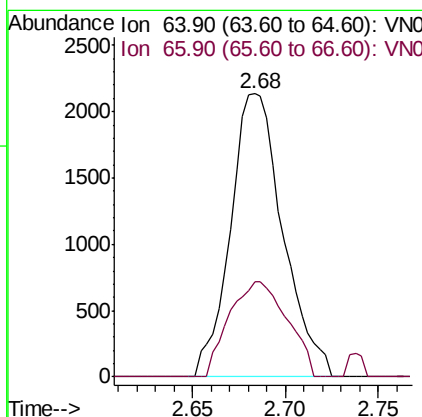
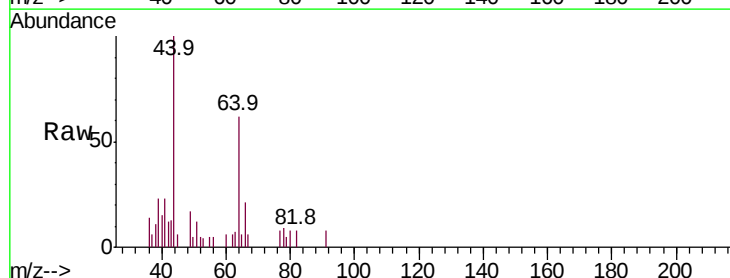
Instrument :
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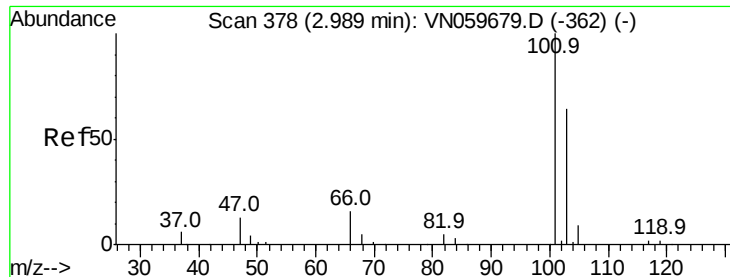
Tot Ion: 94 Resp: 3262
Ion Ratio Lower Upper
94 100
96 78.7 73.8 110.6



#6
Chloroethane
Concen: 1.499 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 64 Resp: 4205
Ion Ratio Lower Upper
64 100
66 33.6 25.4 38.2



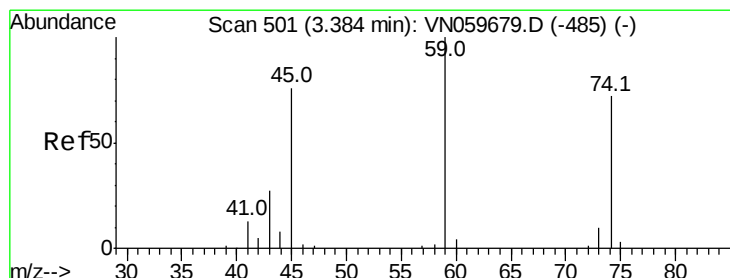
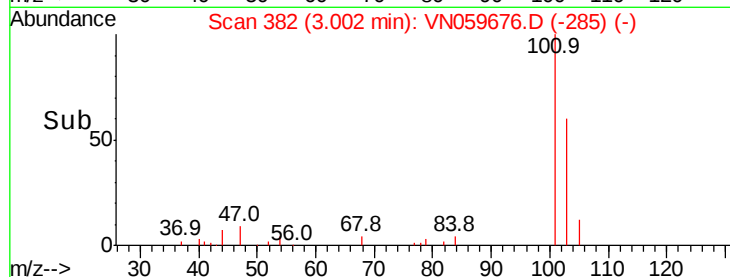
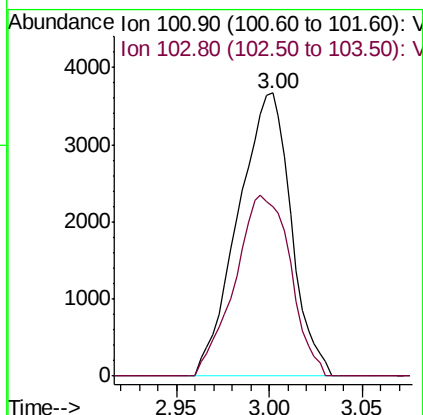
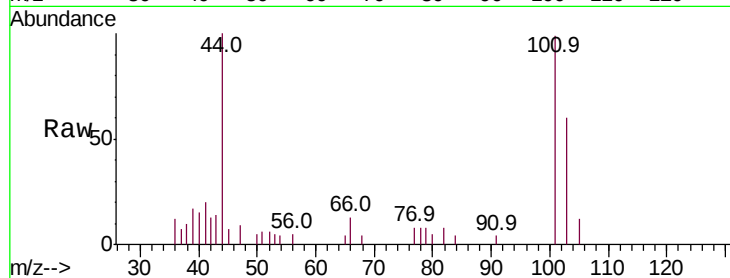


#7

Trichlorofluoromethane
 Concen: 1.403 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

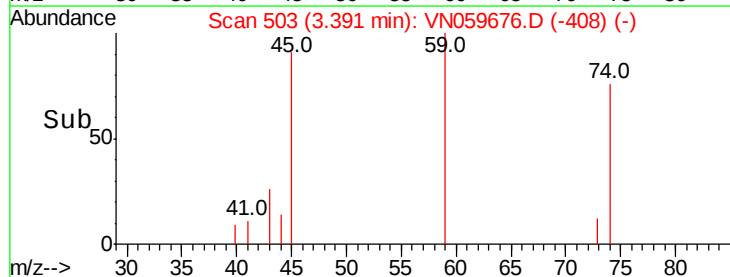
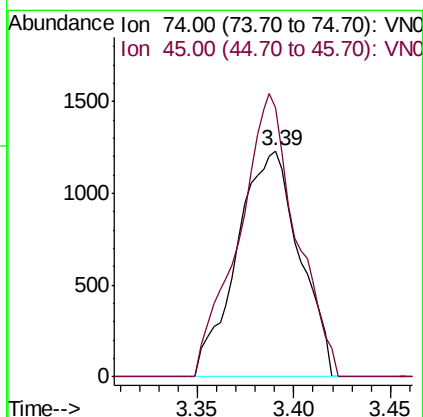
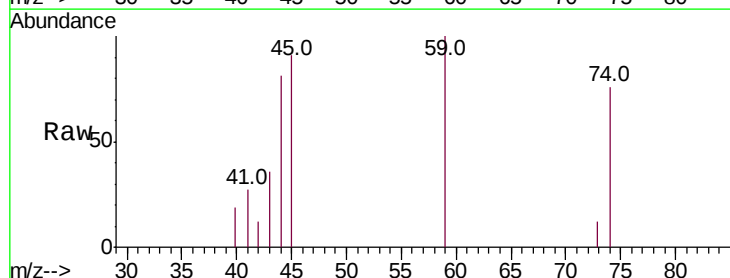
Tot Ion:101 Resp: 7282
 Ion Ratio Lower Upper
 101 100
 103 60.0 51.5 77.3

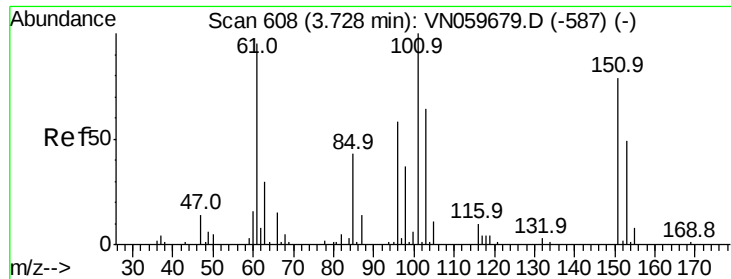


#8

Diethyl Ether
 Concen: 1.637 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion: 74 Resp: 2765
 Ion Ratio Lower Upper
 74 100
 45 115.1 55.1 165.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.276 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

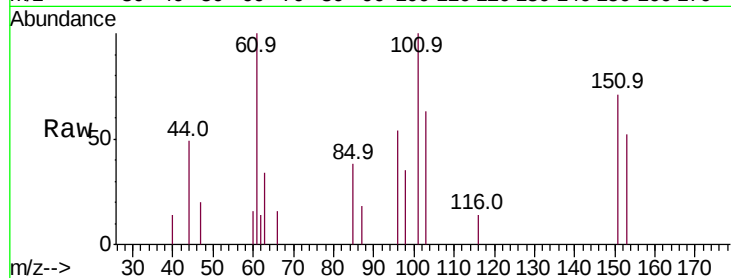
Tot Ion:101 Resp: 3568

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

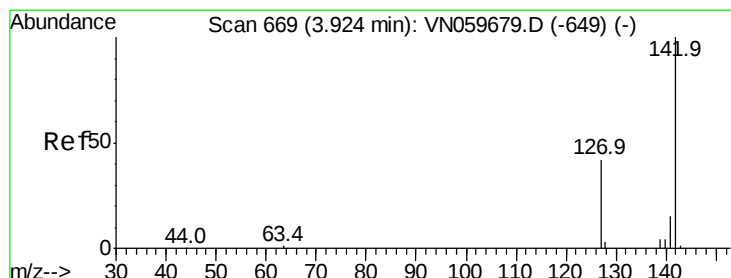
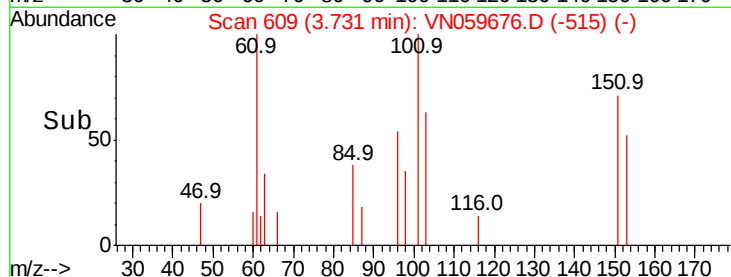
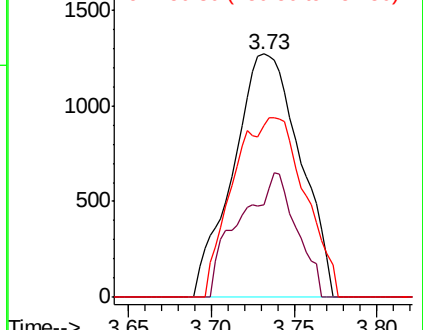
151 79.3 61.5 92.3



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: 1.474 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

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Acq: 20 Dec 2019 13:25

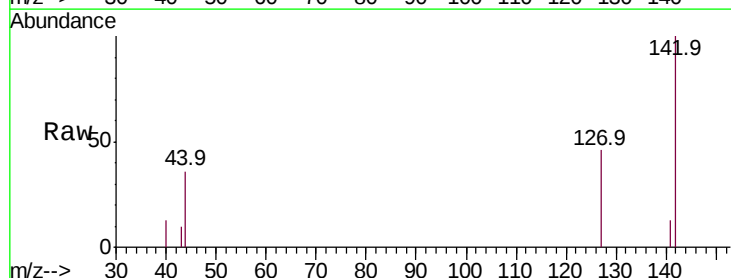
Tgt Ion:142 Resp: 5390

Ion Ratio Lower Upper

142 100

127 44.0 33.3 49.9

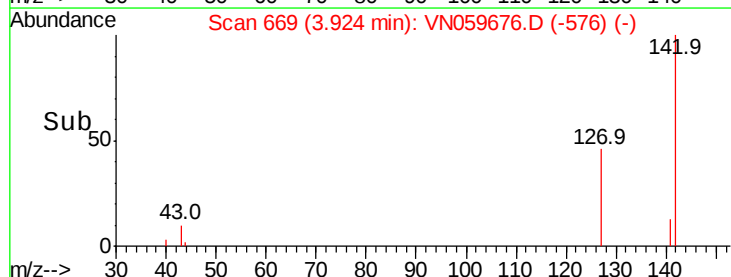
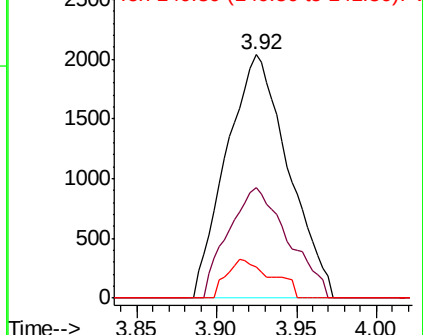
141 9.2 11.6 17.4#

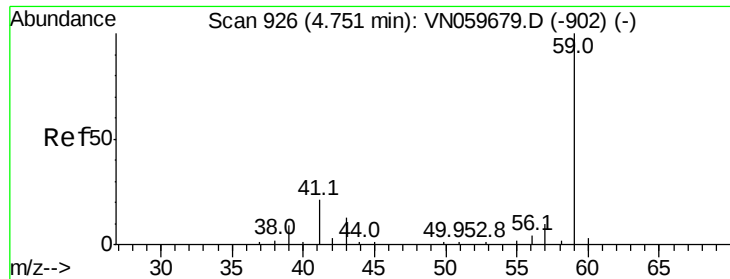


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

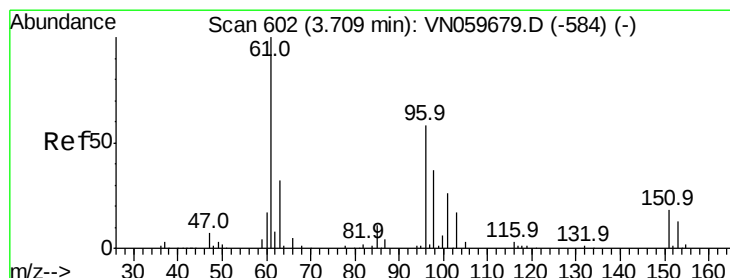
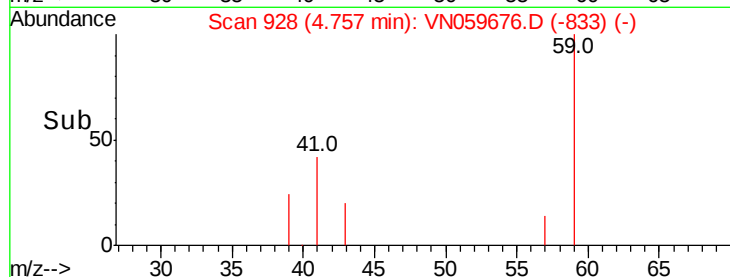
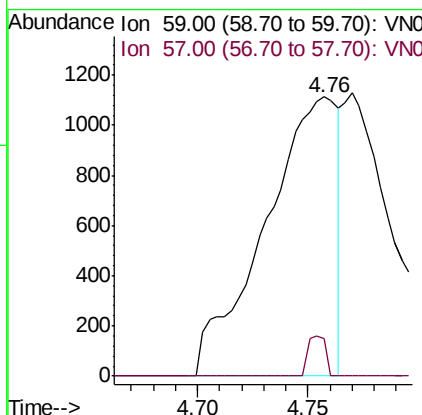
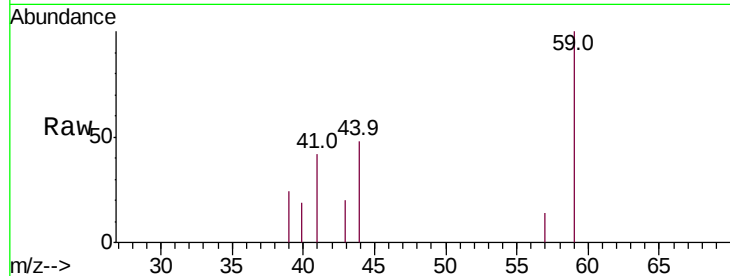




#11
Tert butyl alcohol
Concen: 3.735 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

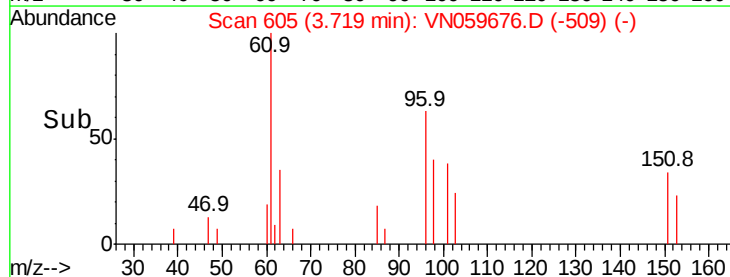
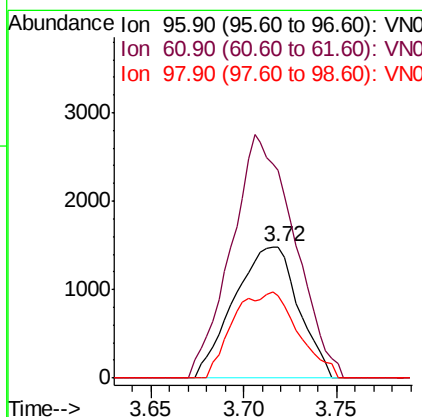
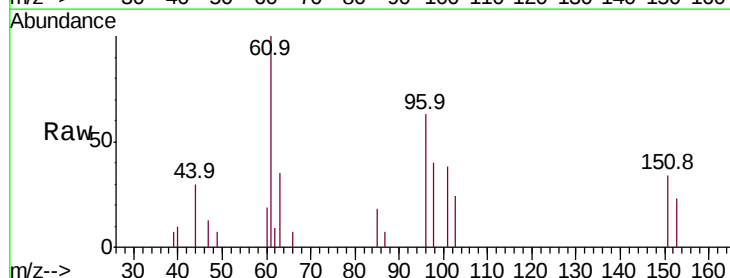
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

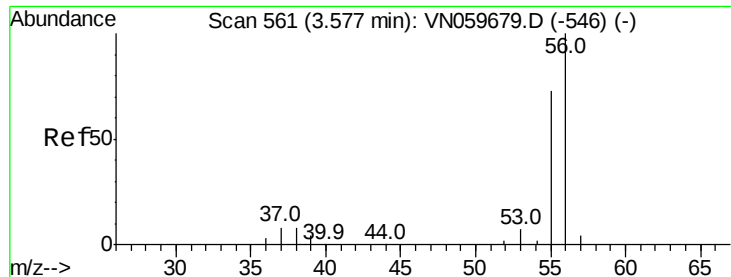
Tot Ion: 59 Resp: 2539
Ion Ratio Lower Upper
59 100
57 3.5 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 1.309 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 96 Resp: 3585
Ion Ratio Lower Upper
96 100
61 157.8 138.9 208.3
98 62.5 51.8 77.6





#13

Acrolein

Concen: 3.381 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

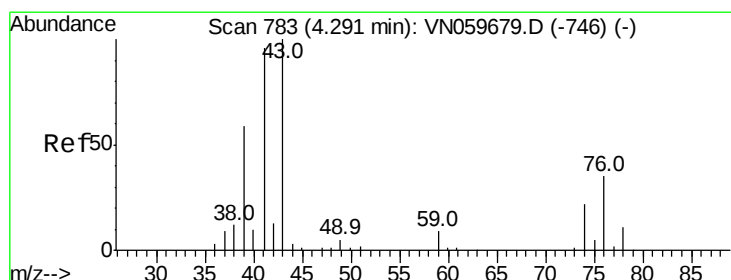
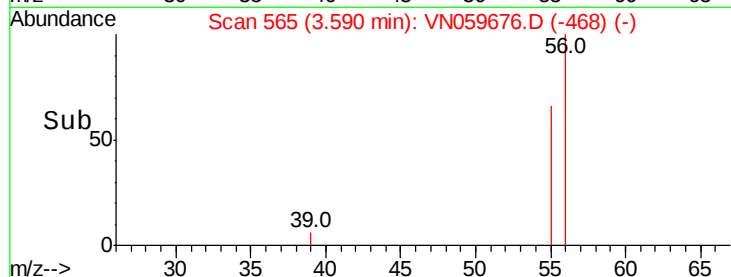
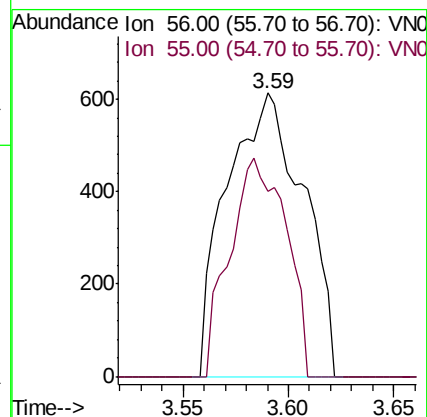
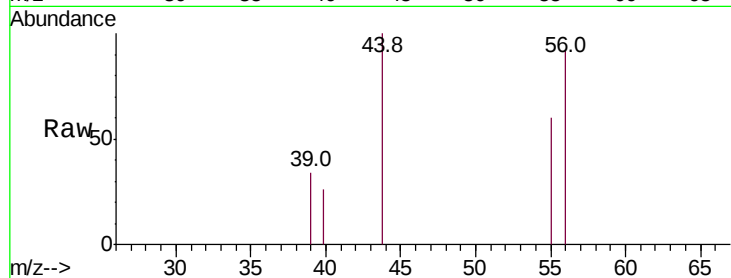
VSTDIC001

Tot Ion: 56 Resp: 1551

Ion Ratio Lower Upper

56 100

55 56.8 57.8 86.6#



#14

Allyl chloride

Concen: 1.610 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

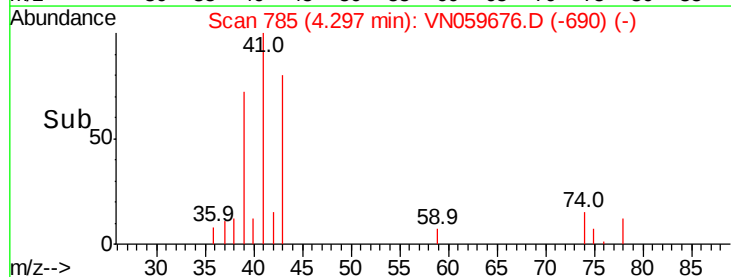
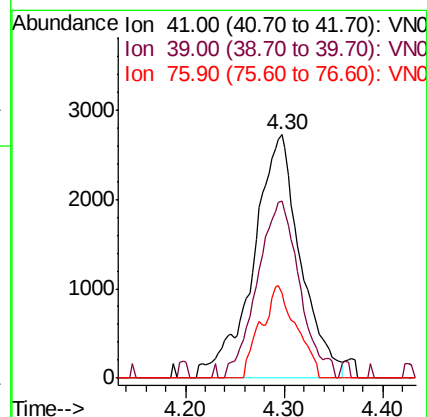
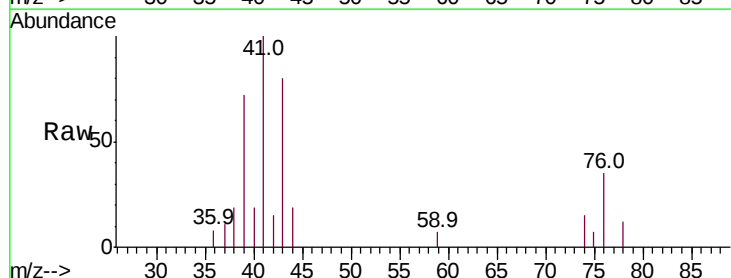
Tgt Ion: 41 Resp: 9037

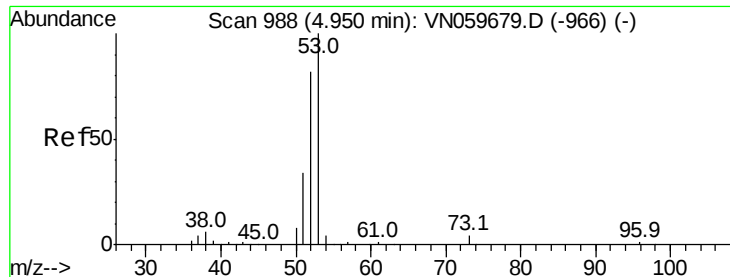
Ion Ratio Lower Upper

41 100

39 64.9 45.9 68.9

76 28.2 25.7 38.5





#15

Acrylonitrile

Concen: 7.519 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.02 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

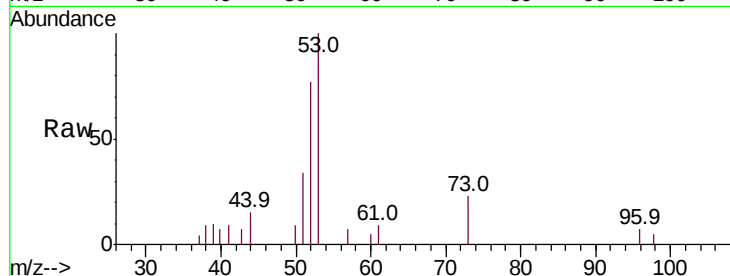
Tot Ion: 53 Resp: 12607

Ion Ratio Lower Upper

53 100

52 37.4 65.0 97.6#

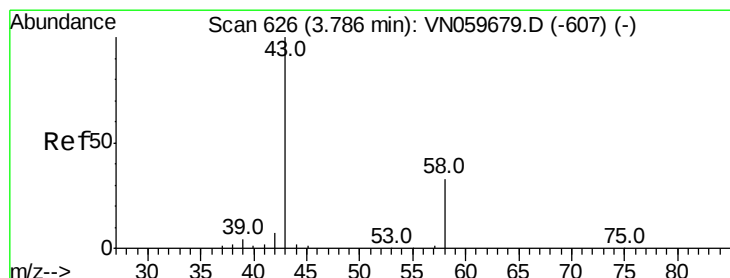
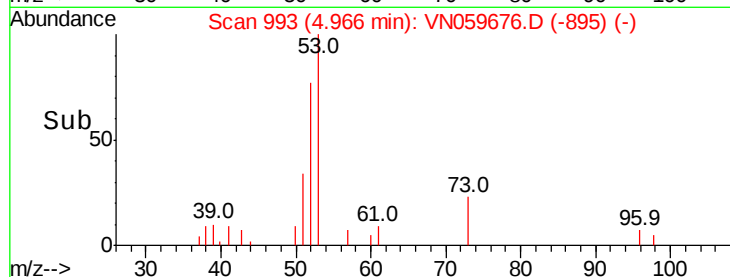
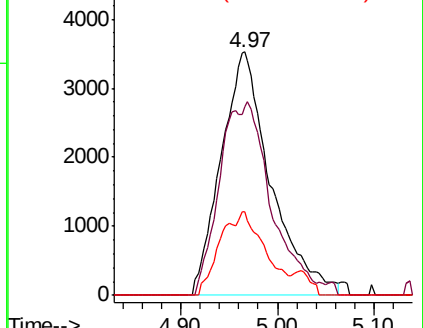
51 12.3 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 9.815 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059676.D

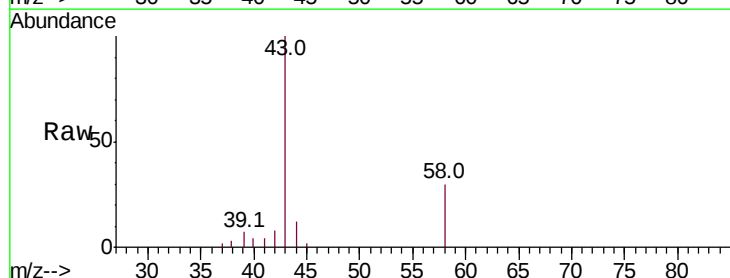
Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 21233

Ion Ratio Lower Upper

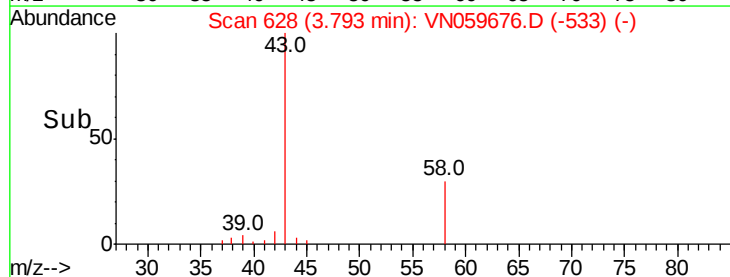
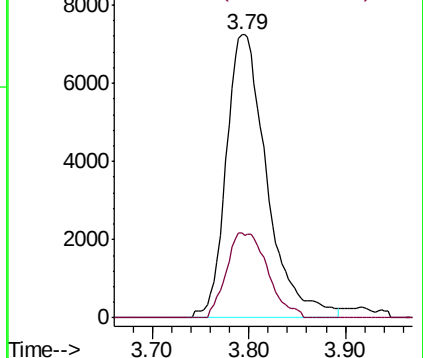
43 100

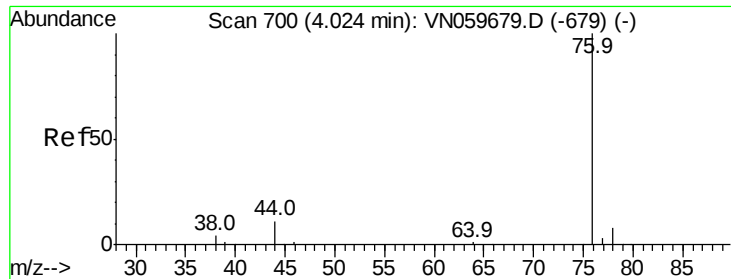
58 29.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.835 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

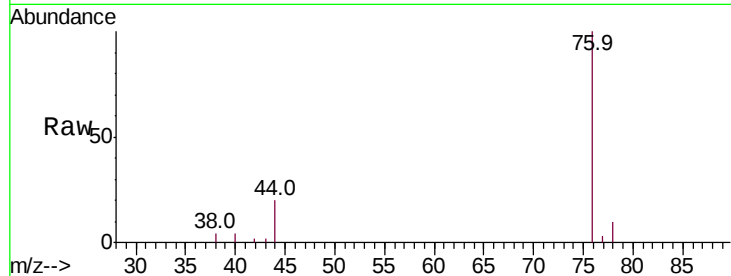
VSTDIC001

Tot Ion: 76 Resp: 17385

Ion Ratio Lower Upper

76 100

78 9.7 6.7 10.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

8000

6000

4000

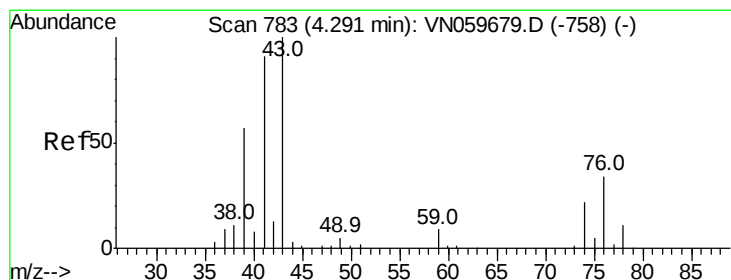
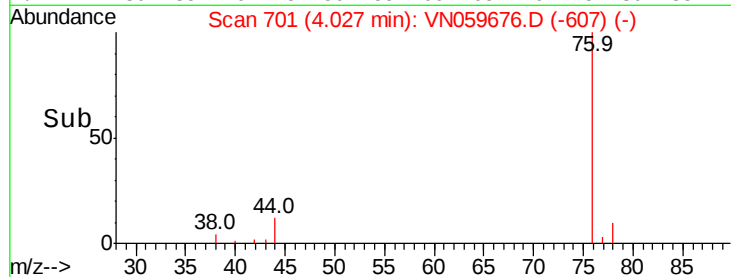
2000

0

Time-->

3.95 4.00 4.05 4.10

4.03



#18

Methyl Acetate

Concen: 1.541 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059676.D

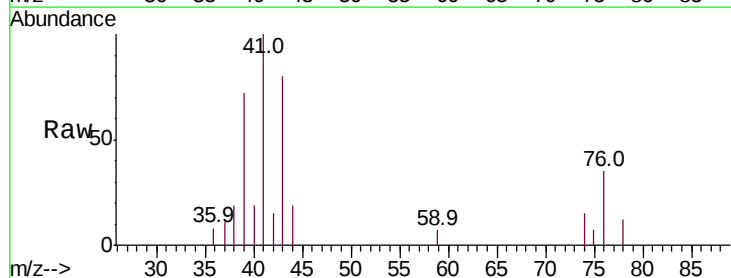
Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 7405

Ion Ratio Lower Upper

43 100

74 8.6 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

2500

2000

1500

1000

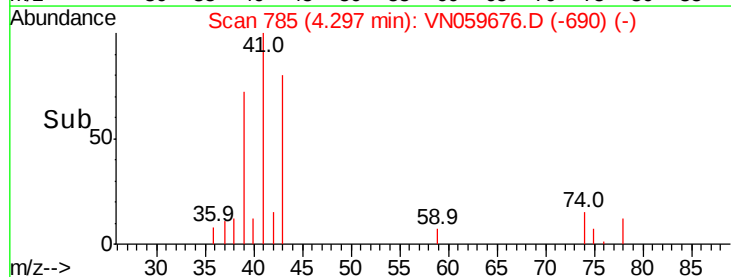
500

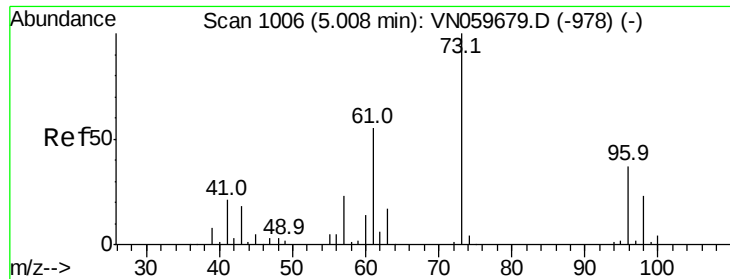
0

Time-->

4.20 4.25 4.30 4.35 4.40

4.30

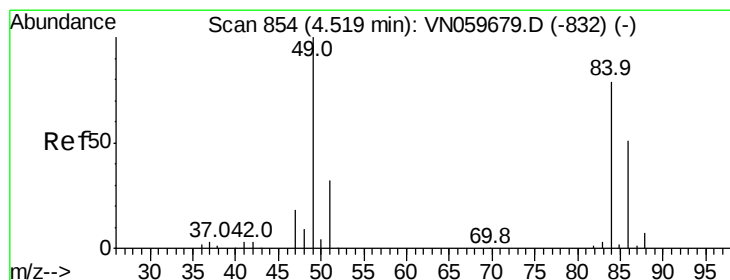
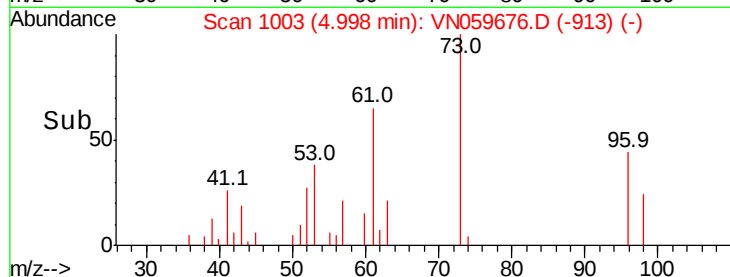
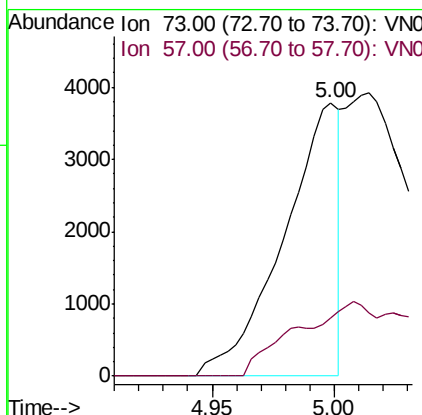
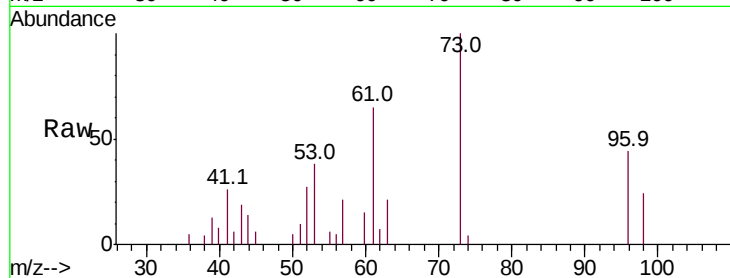




#19
Methvl tert-butvl Ether
Concen: 0.624 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

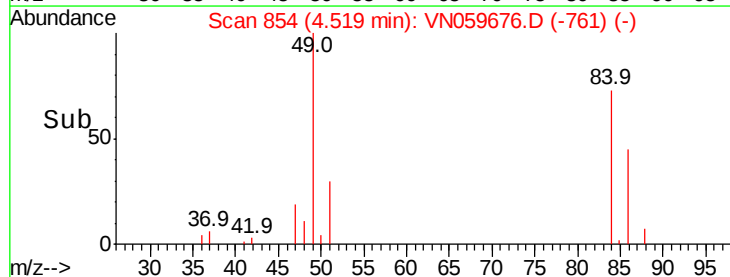
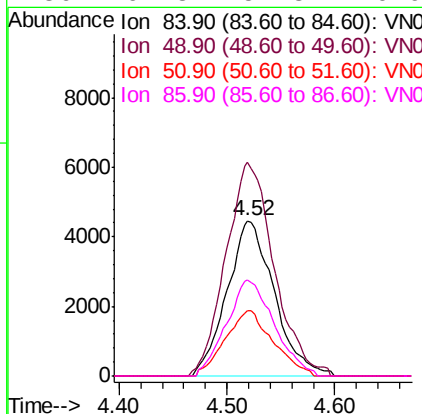
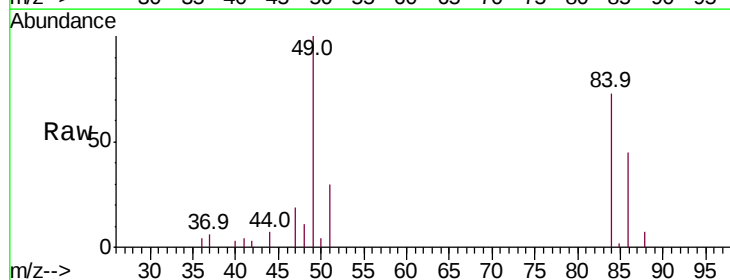
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

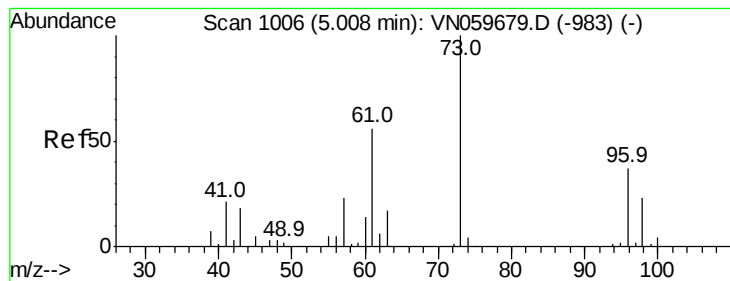
Tot Ion: 73 Resp: 5971
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.4



#20
Methylene Chloride
Concen: 4.028 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 84 Resp: 13597
Ion Ratio Lower Upper
84 100
49 137.8 101.0 151.6
51 41.9 32.2 48.4
86 61.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 1.828 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

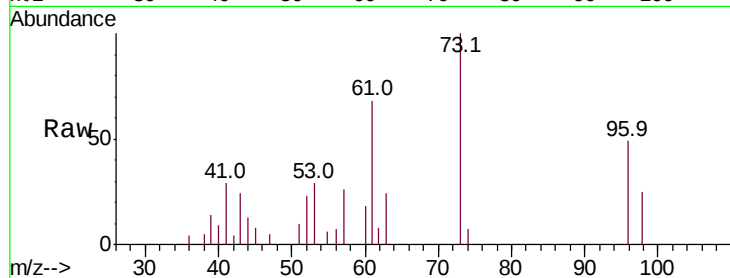
Tot Ion: 96 Resp: 5563

Ion Ratio Lower Upper

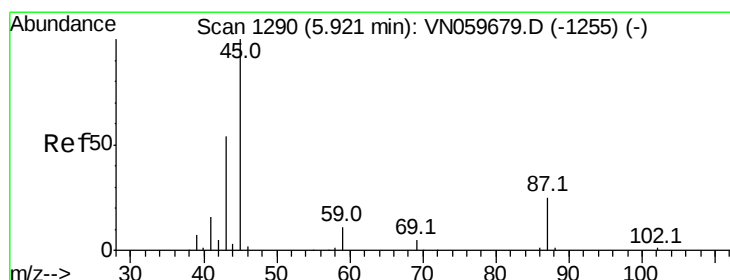
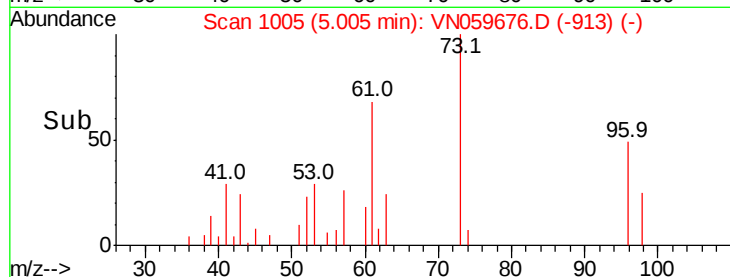
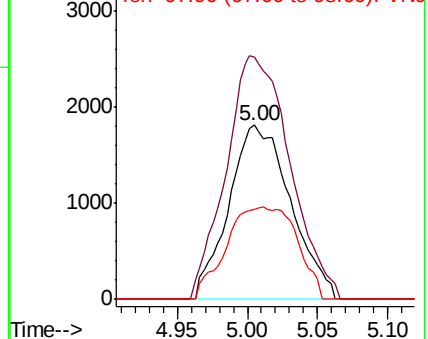
96 100

61 139.2 119.4 179.2

98 52.0 48.9 73.3



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: 1.626 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 45 Resp: 16761

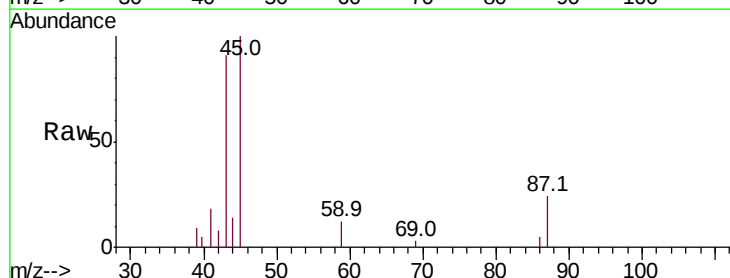
Ion Ratio Lower Upper

45 100

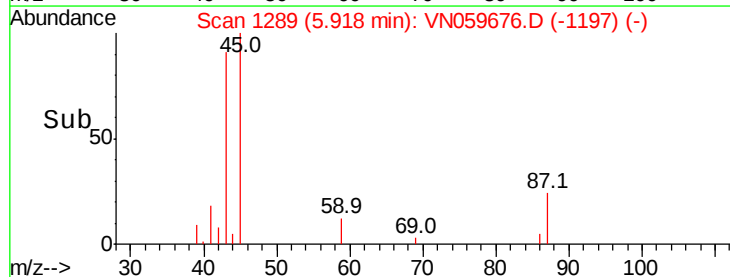
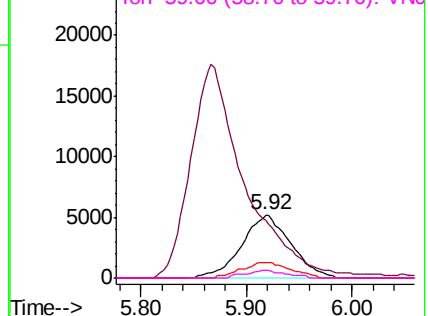
43 81.8 46.0 69.0#

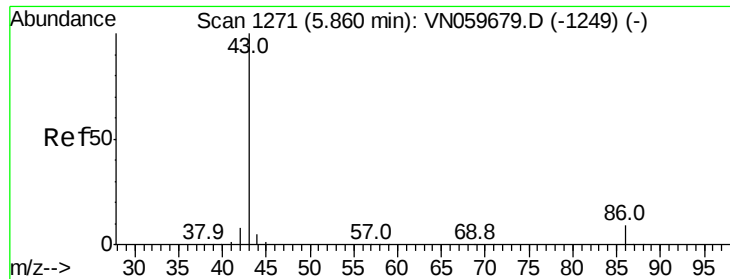
87 24.0 20.4 30.6

59 11.9 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

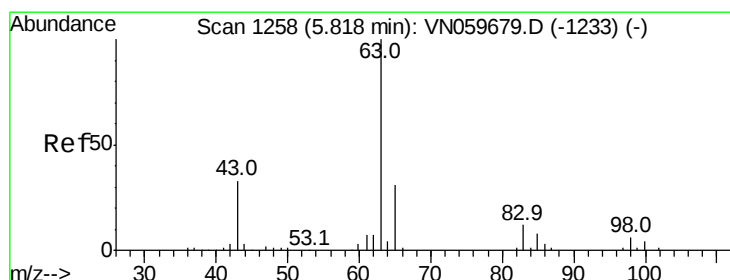
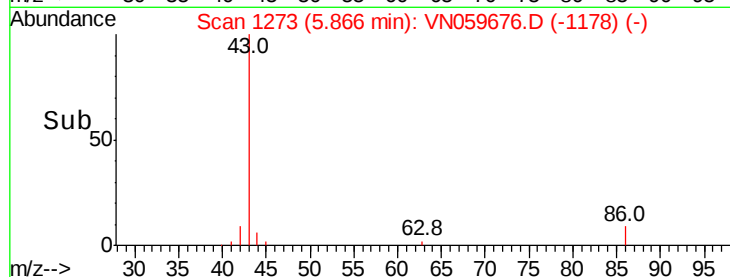
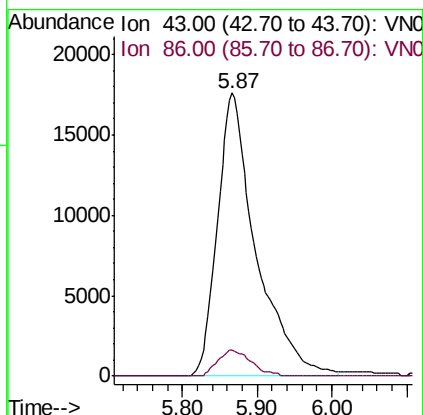
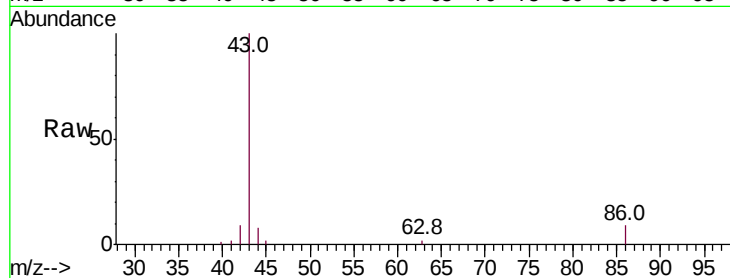




#23
 Vinyl Acetate
 Concen: 7.862 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

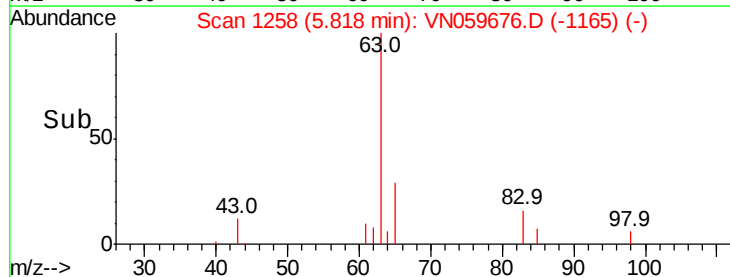
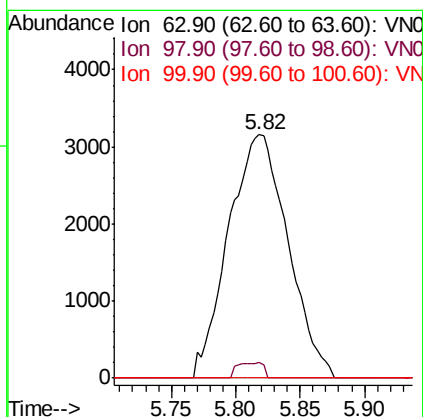
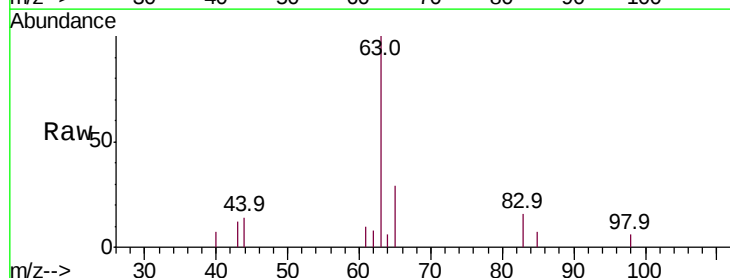
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

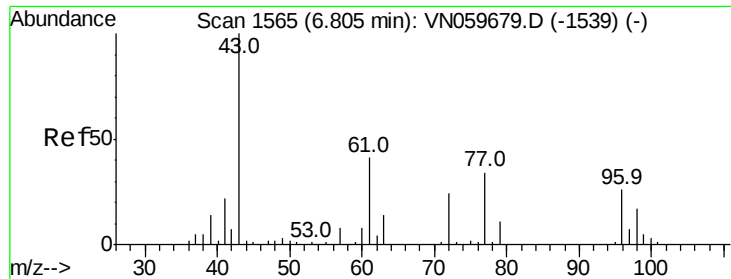
Tot Ion: 43 Resp: 62994
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 1.717 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion: 63 Resp: 10126
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 0.0 1.9 5.7#

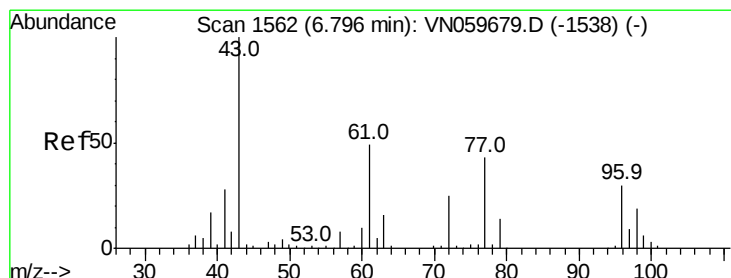
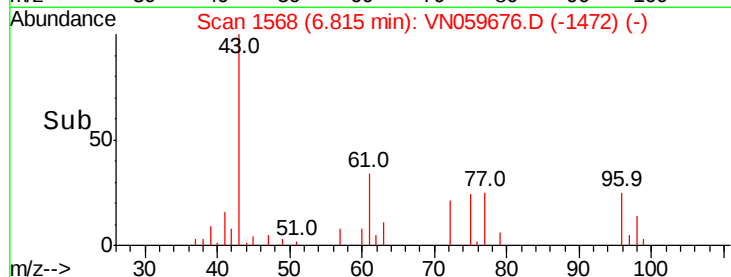
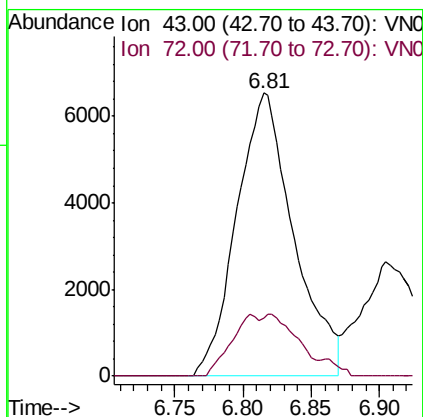
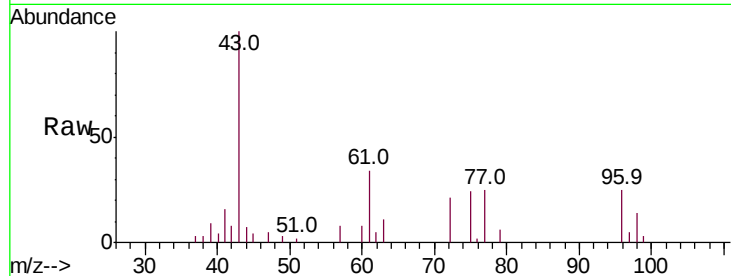




#25
2-Butanone
Concen: 7.287 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

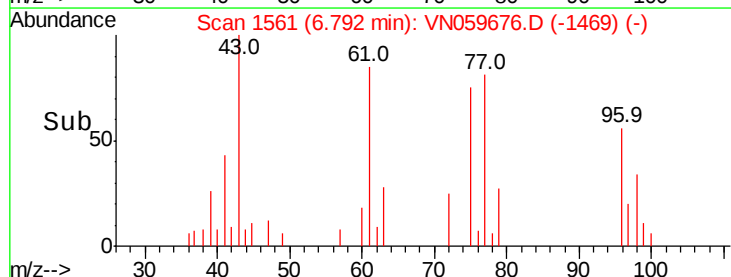
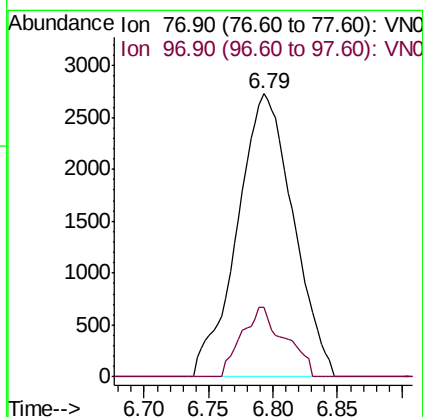
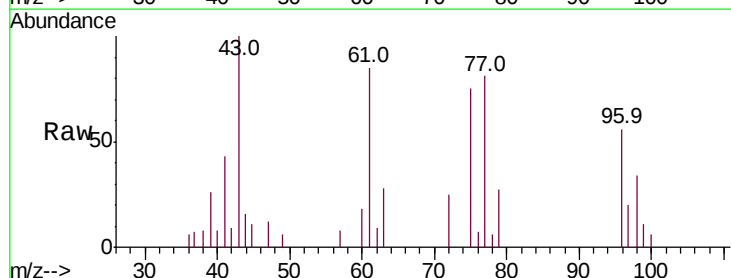
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

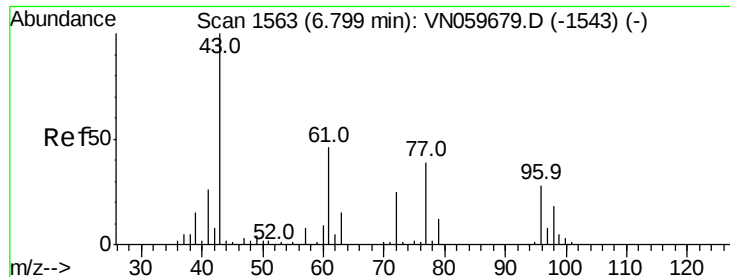
Tot Ion: 43 Resp: 19052
Ion Ratio Lower Upper
43 100
72 20.7 19.0 28.4



#26
2,2-Dichloropropane
Concen: 1.582 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 77 Resp: 8236
Ion Ratio Lower Upper
77 100
97 19.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 1.804 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

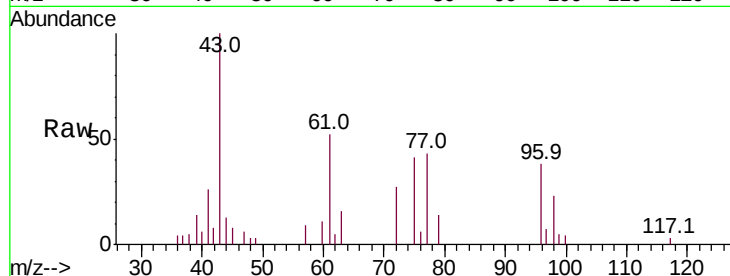
Tot Ion: 96 Resp: 5957

Ion Ratio Lower Upper

96 100

61 150.3 0.0 326.8

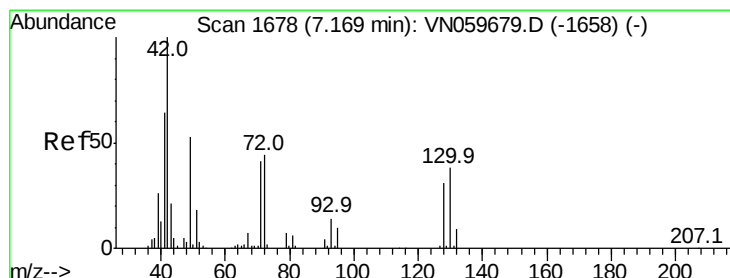
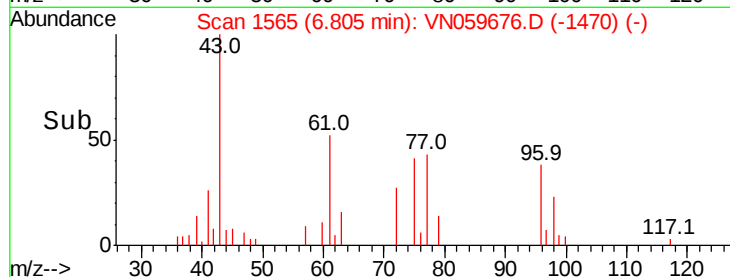
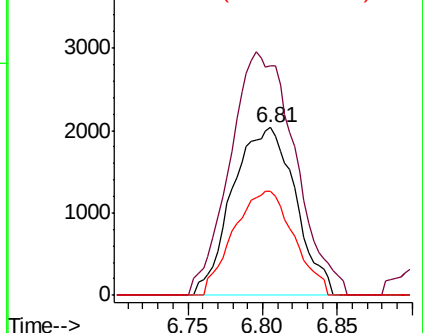
98 59.4 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN059679.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN059679.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN059679.D (-1543) (-)



#28

Bromochloromethane

Concen: 0.381 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

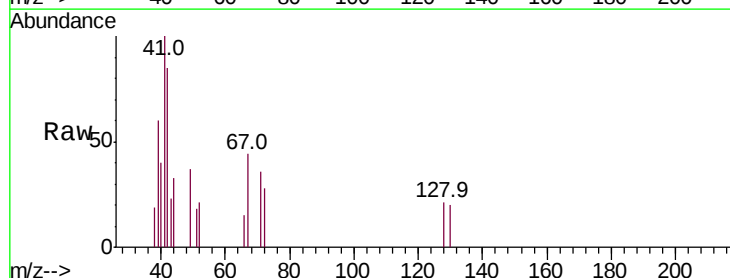
Tgt Ion: 49 Resp: 770

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

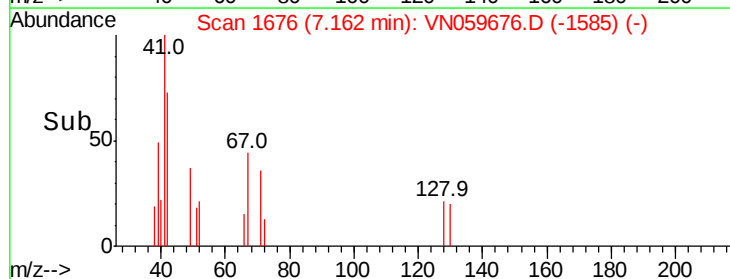
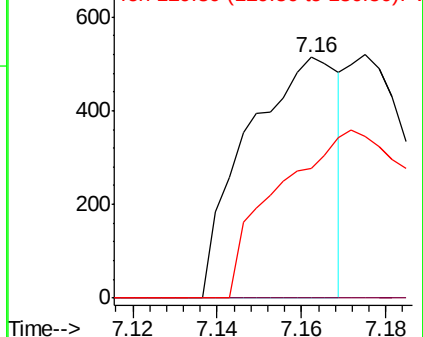
130 101.6 56.8 85.2#

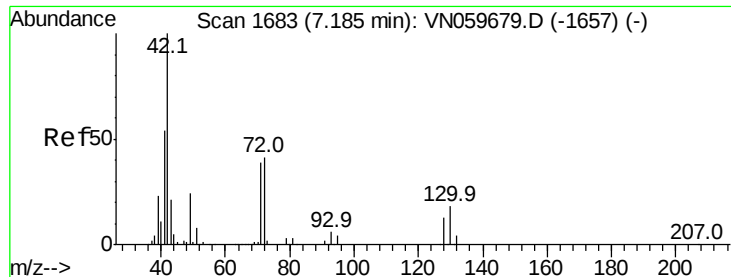


Abundance Ion 48.90 (48.60 to 49.60): VN059679.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN059679.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN059679.D (-1658) (-)





#29

Tetrahydrofuran

Concen: 7.295 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

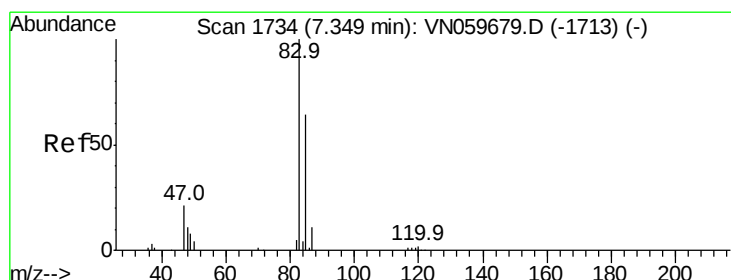
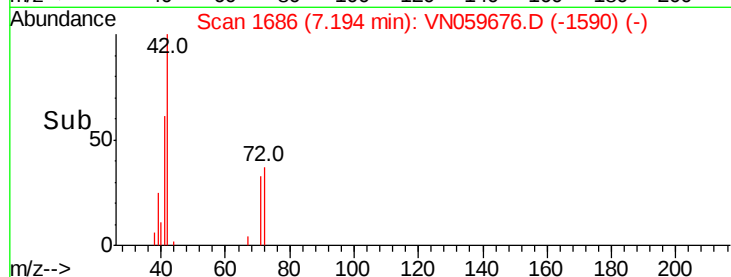
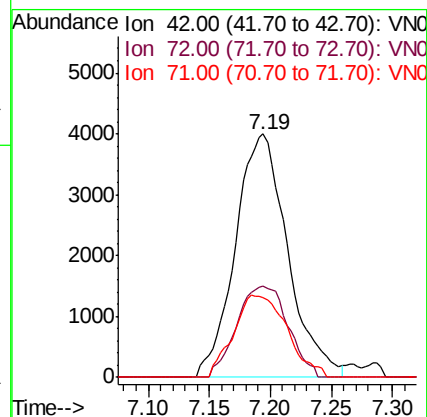
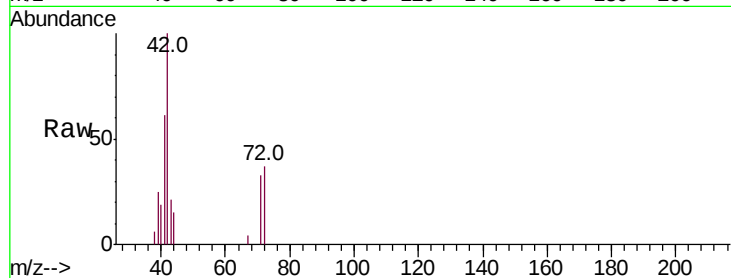
Tot Ion: 42 Resp: 11898

Ion Ratio Lower Upper

42 100

72 36.7 33.8 50.6

71 34.4 31.8 47.6



#30

Chloroform

Concen: 1.493 ug/l

RT: 7.34 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VN059676.D

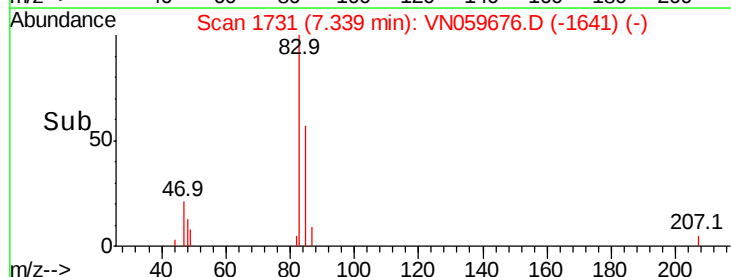
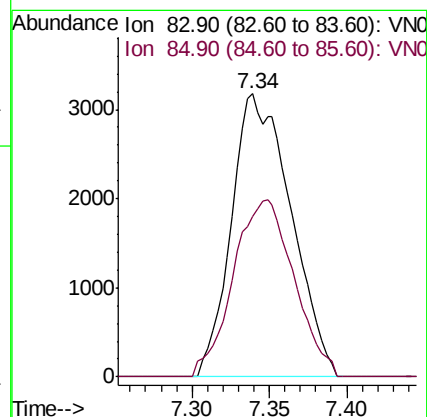
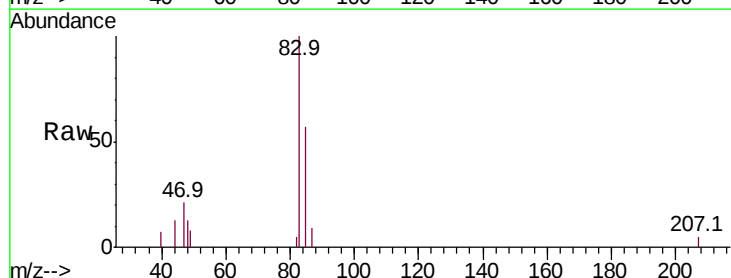
Acq: 20 Dec 2019 13:25

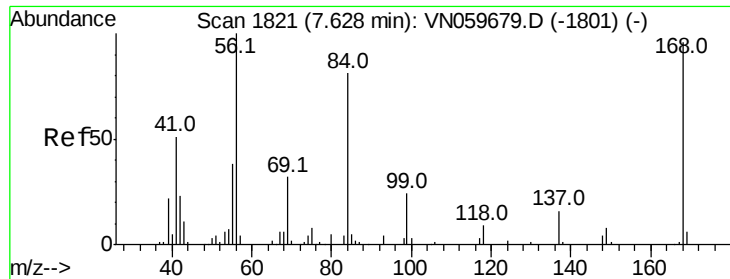
Tgt Ion: 83 Resp: 8493

Ion Ratio Lower Upper

83 100

85 56.6 51.5 77.3

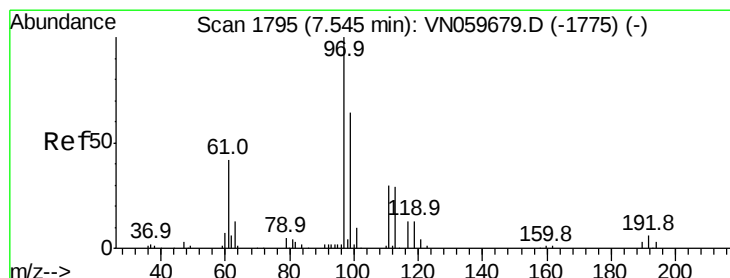
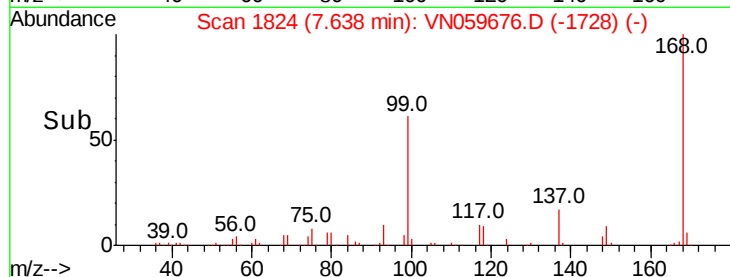
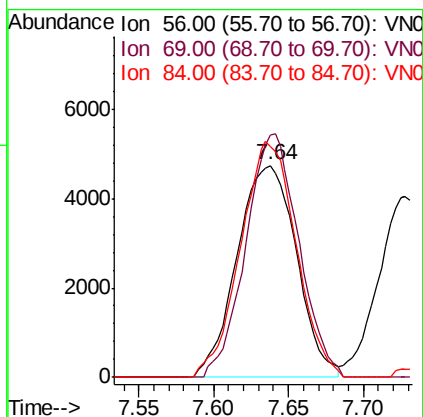
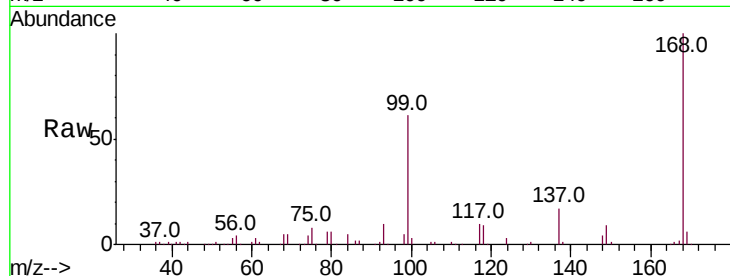




#31
Cyclohexane
Concen: 2.374 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

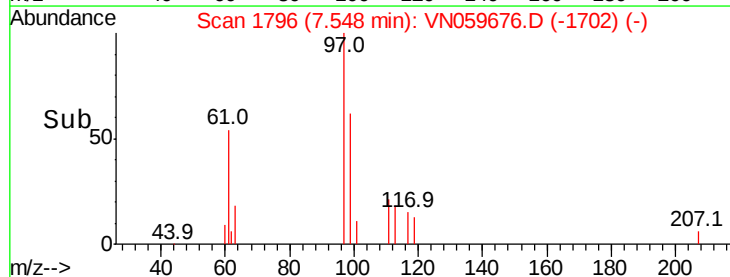
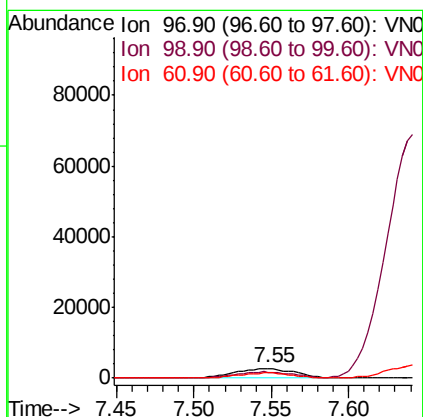
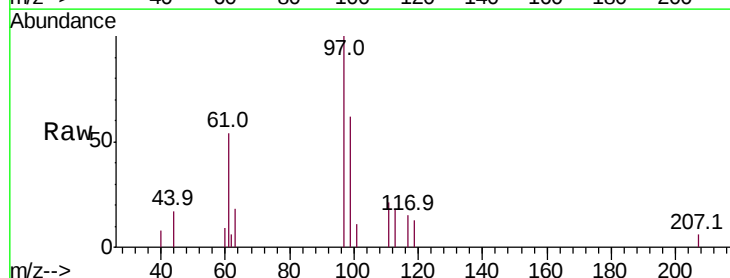
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

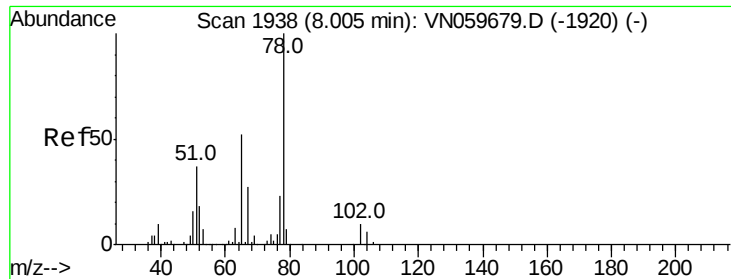
Tot Ion: 56 Resp: 13107
Ion Ratio Lower Upper
56 100
69 114.6 25.8 38.6#
84 109.3 64.7 97.1#



#32
1,1,1-Trichloroethane
Concen: 1.438 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 97 Resp: 7351
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 49.1 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 0.832 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

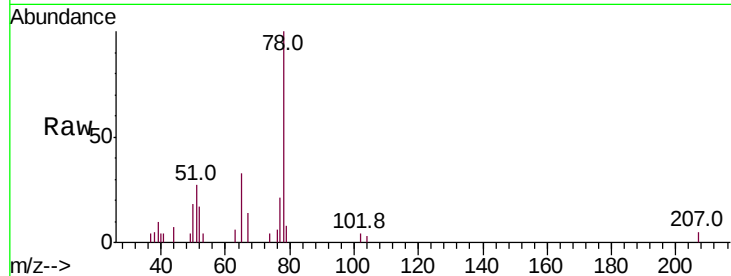
VSTDIC001

Tot Ion: 65 Resp: 3171

Ion Ratio Lower Upper

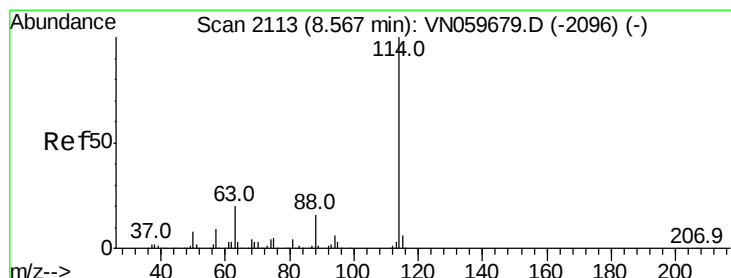
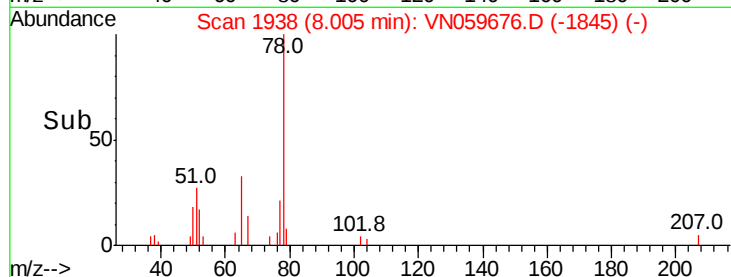
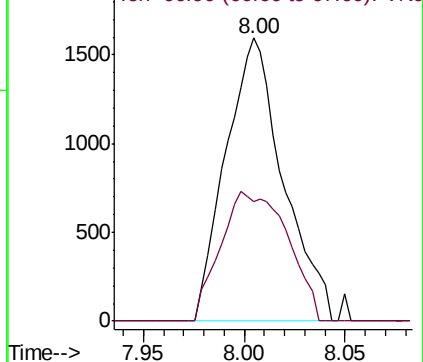
65 100

67 53.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

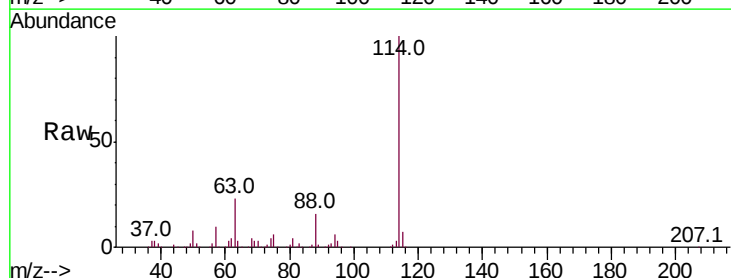
Tgt Ion: 114 Resp: 448329

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.8

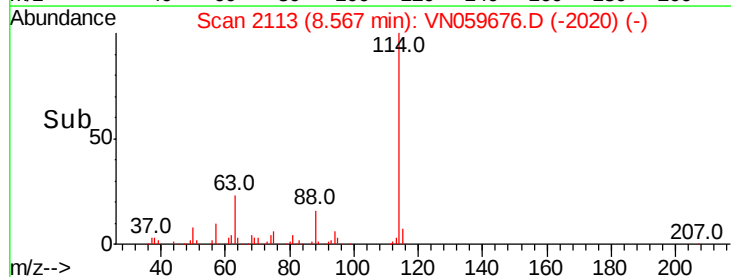
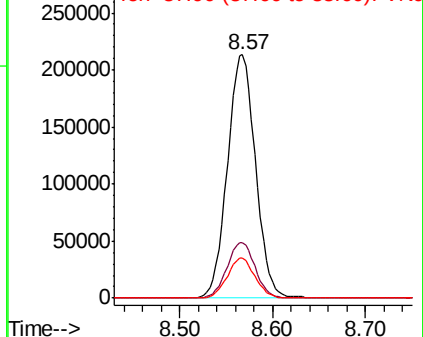
88 16.4 0.0 32.6

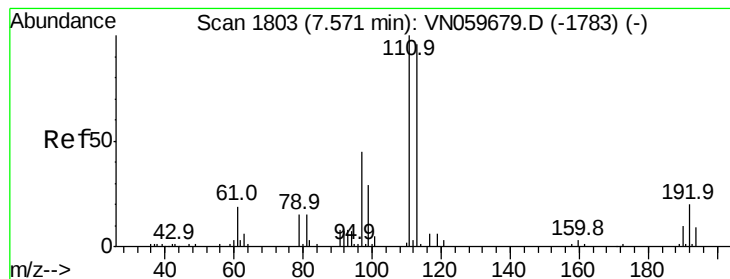


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 0.899 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

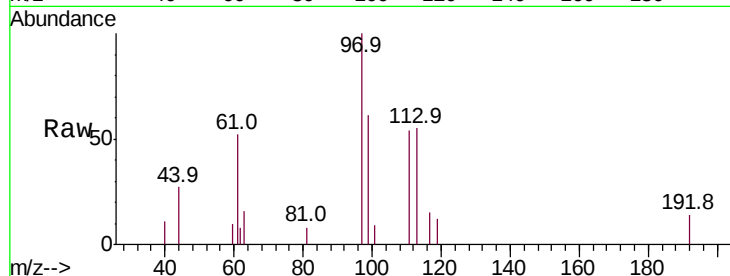
Tot Ion:113 Resp: 2486

Ion Ratio Lower Upper

113 100

111 98.5 82.5 123.7

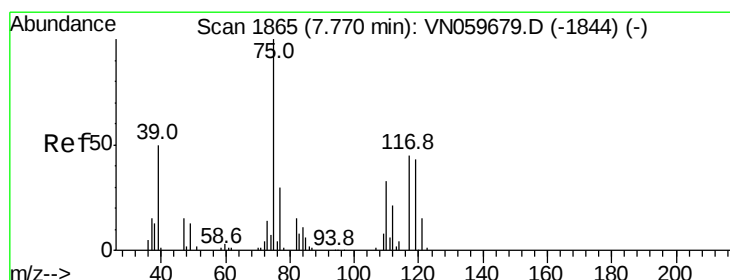
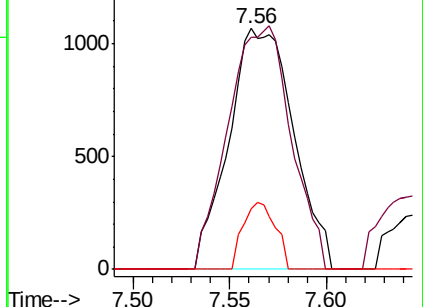
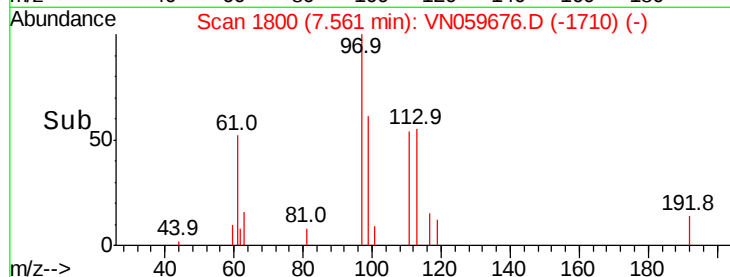
192 13.9 16.2 24.4#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.581 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

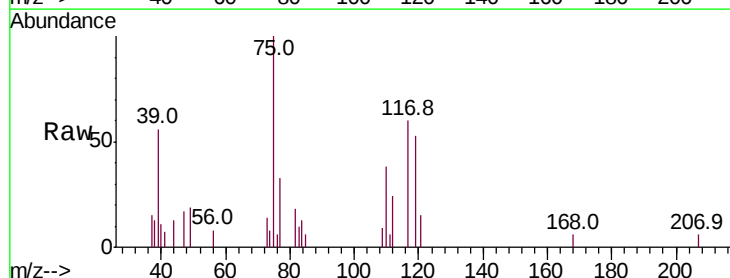
Tgt Ion: 75 Resp: 7173

Ion Ratio Lower Upper

75 100

110 32.3 16.6 49.8

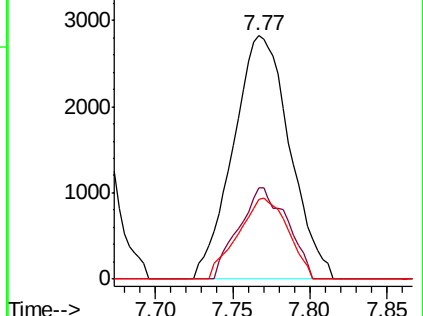
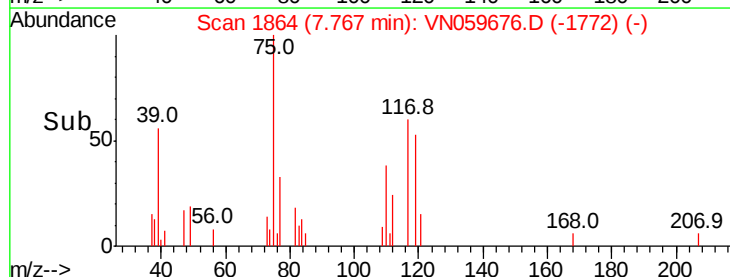
77 29.5 24.6 37.0

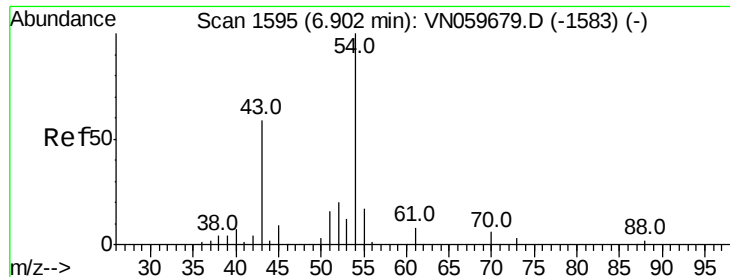


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.477 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. 0.00 min

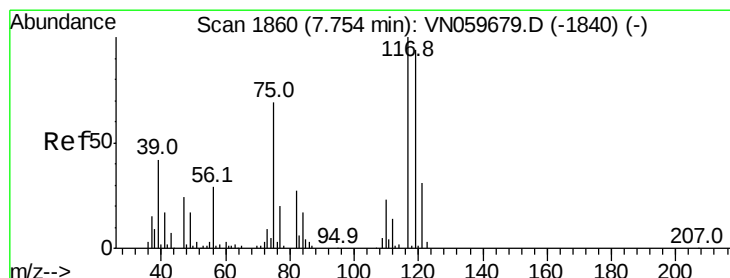
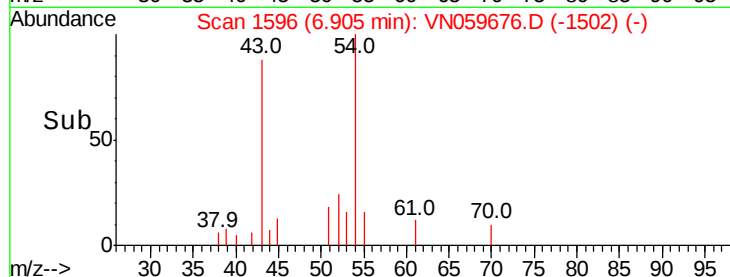
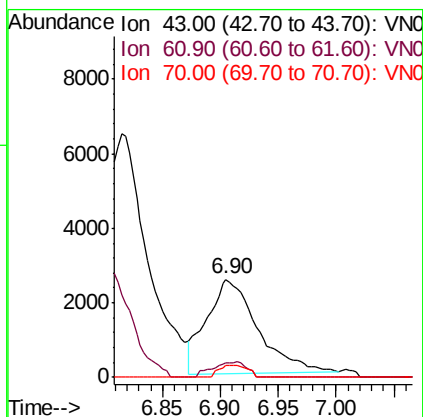
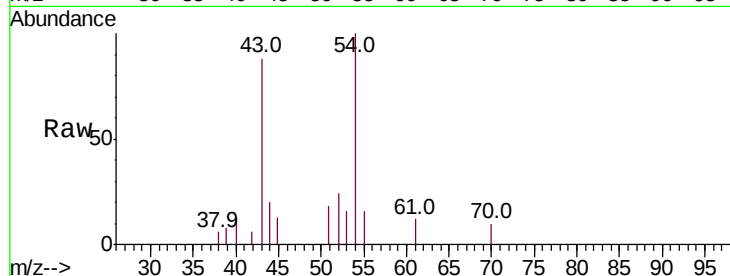
Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7763

Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.0	16.6#
70	7.1	7.7	11.5#



#38

Carbon Tetrachloride

Concen: 1.444 ug/l

RT: 7.75 min Scan# 1858

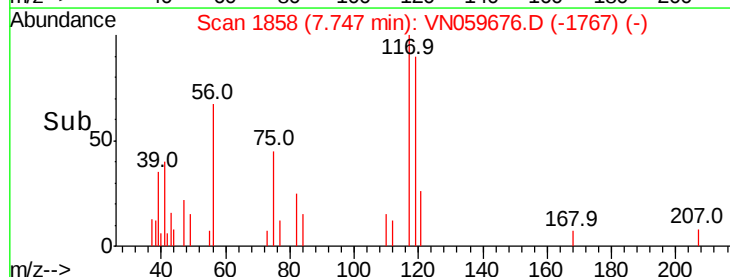
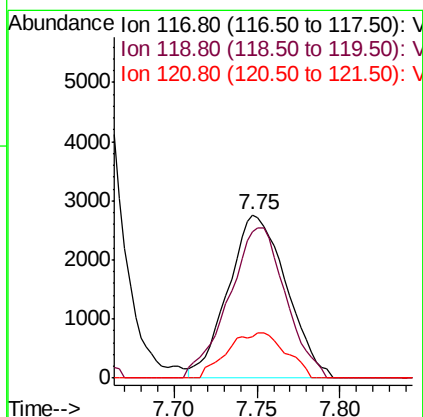
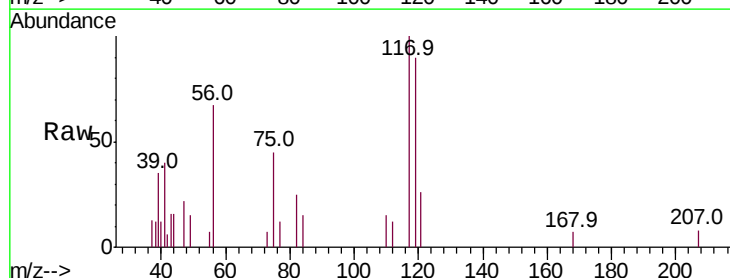
Delta R.T. -0.01 min

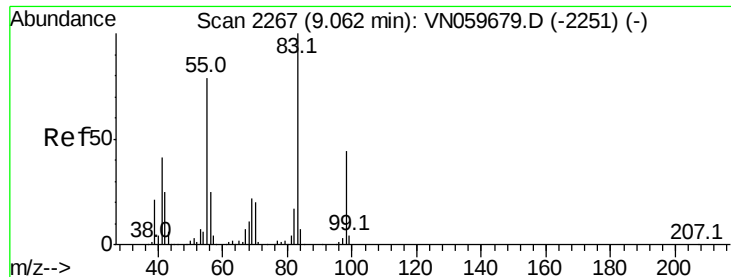
Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 117 Resp: 6719

Ion	Ratio	Lower	Upper
117	100		
119	89.5	75.1	112.7
121	25.7	24.9	37.3

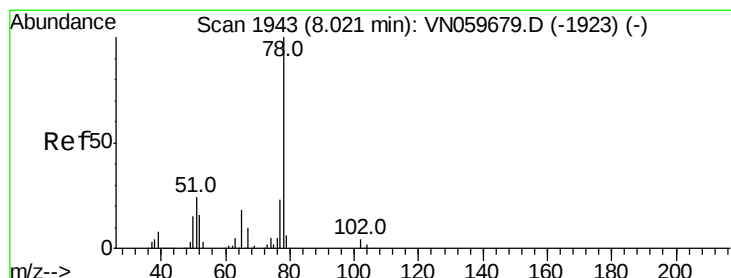
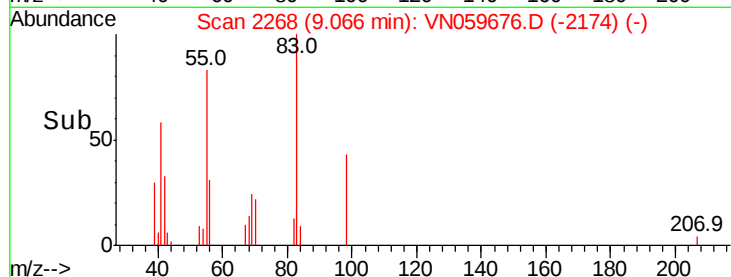
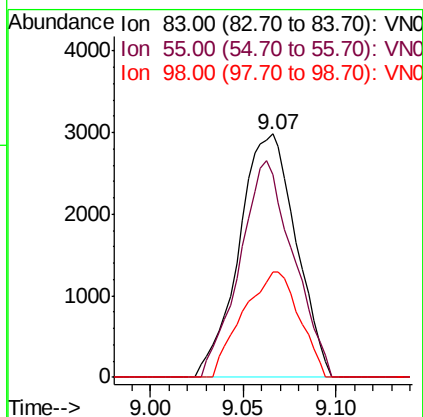
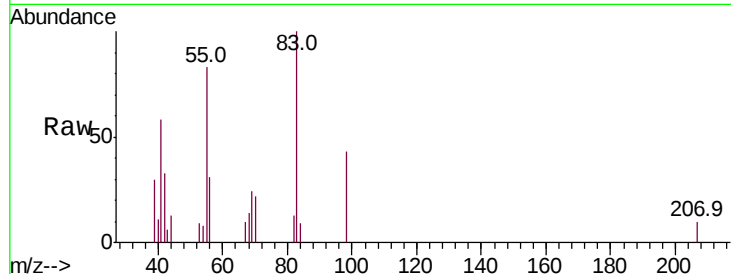




#39
Methvlcvclohexane
Concen: 1.242 ug/l
RT: 9.07 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

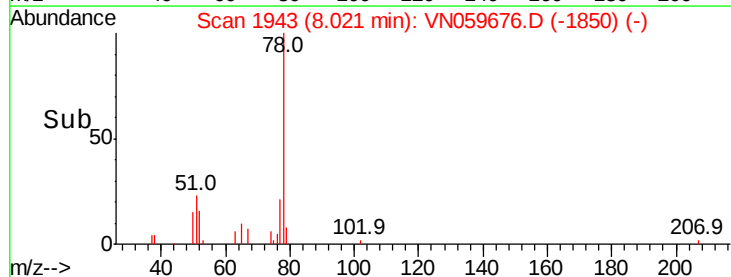
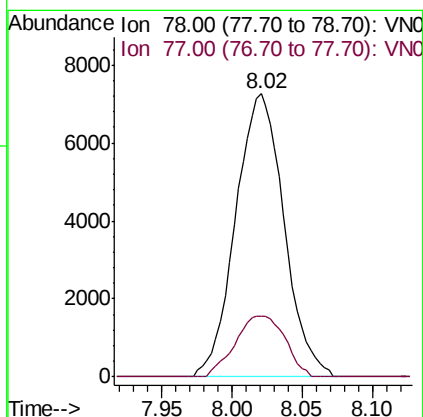
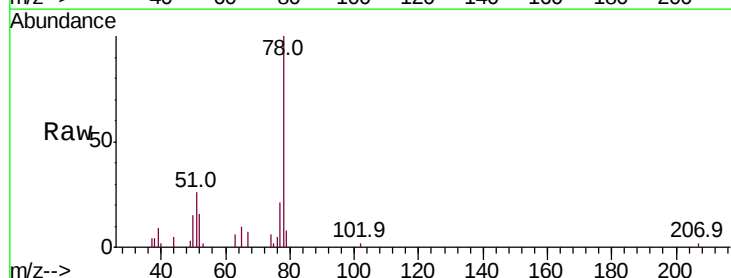
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

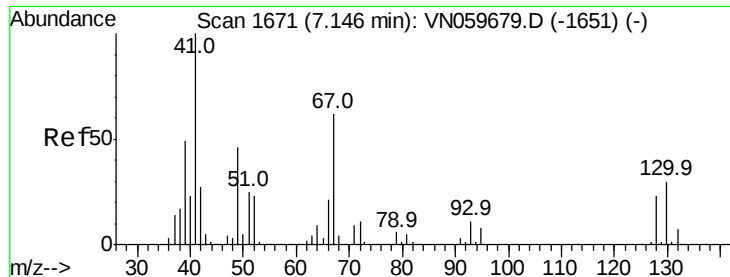
Tot Ion: 83 Resp: 6358
Ion Ratio Lower Upper
83 100
55 83.1 63.6 95.4
98 43.0 35.2 52.8



#40
Benzene
Concen: 1.307 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 78 Resp: 17412
Ion Ratio Lower Upper
78 100
77 21.4 18.4 27.6

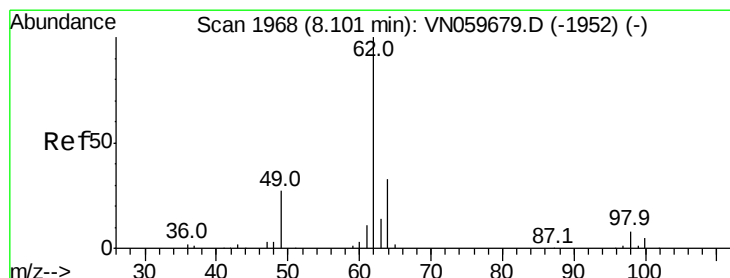
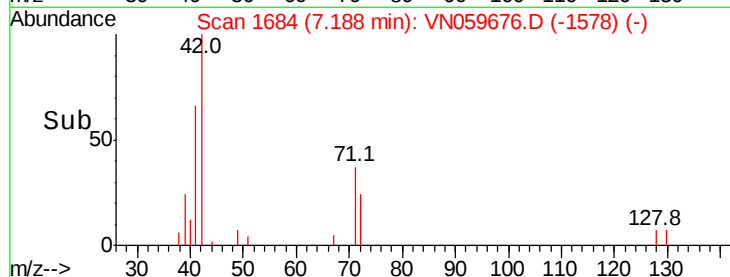
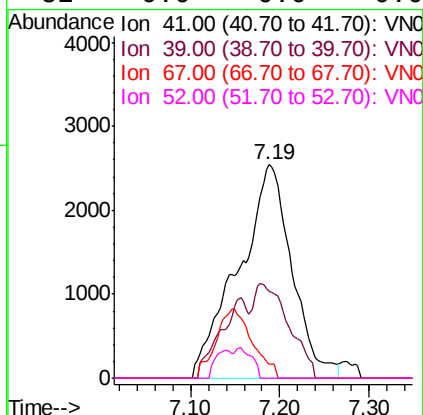
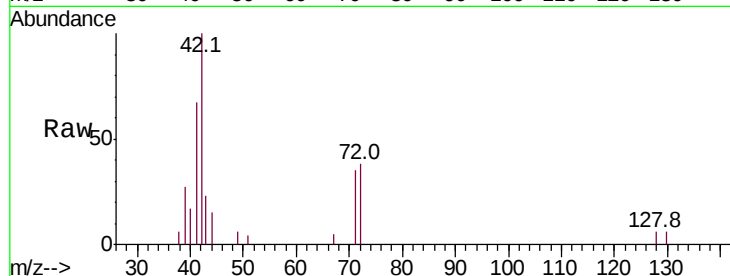




#41
Methacrylonitrile
Concen: 4.959 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.04 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

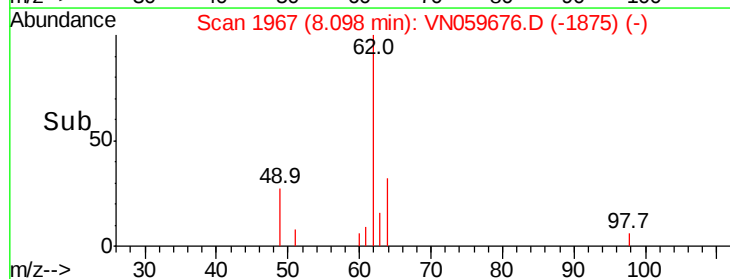
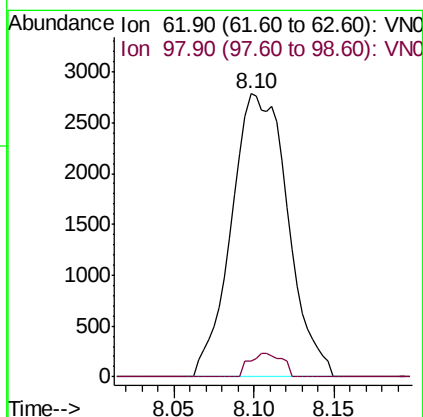
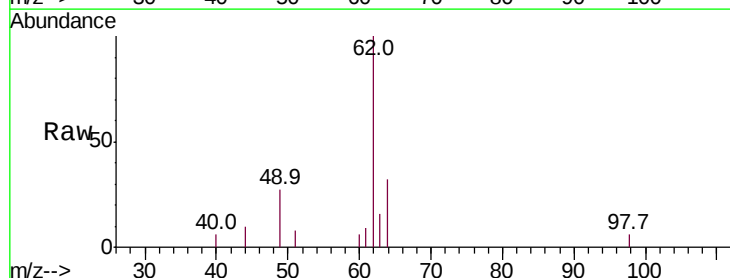
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

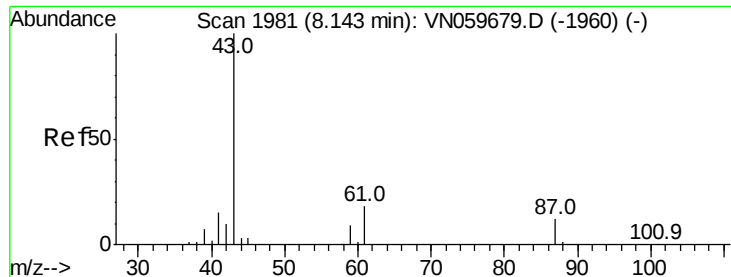
Tot Ion:	41	Resp:	10627
Ion	Ratio	Lower	Upper
41	100		
39	29.4	58.6	87.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 1.353 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion:	62	Resp:	6727
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 1.195 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

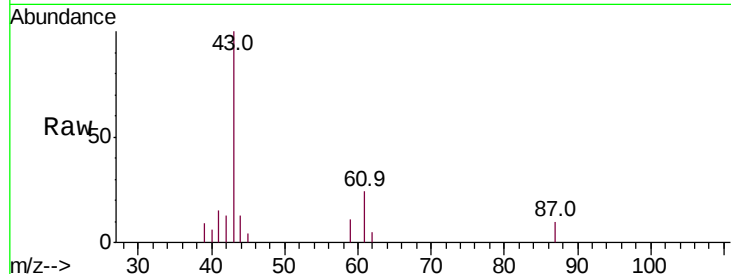
Tot Ion: 43 Resp: 9603

Ion Ratio Lower Upper

43 100

61 26.2 15.9 23.9#

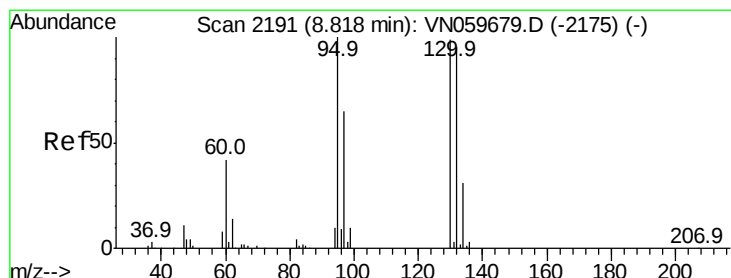
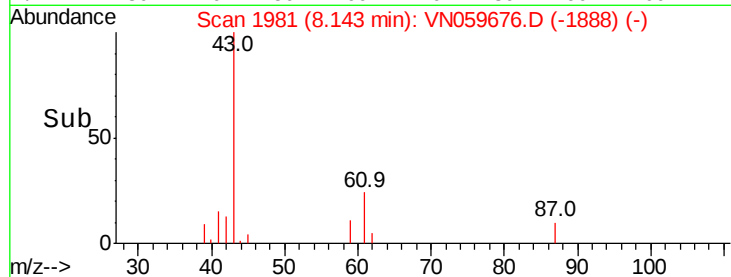
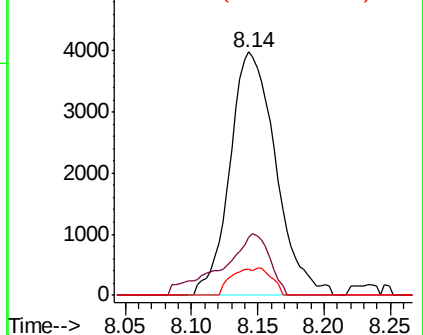
87 9.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN059679.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN059679.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN059679.D (-1960) (-)



#44

Trichloroethene

Concen: 1.344 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059676.D

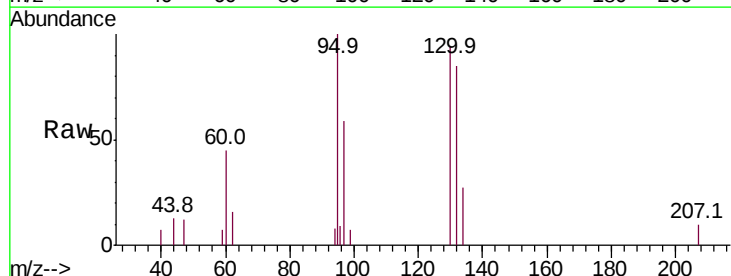
Acq: 20 Dec 2019 13:25

Tgt Ion:130 Resp: 4659

Ion Ratio Lower Upper

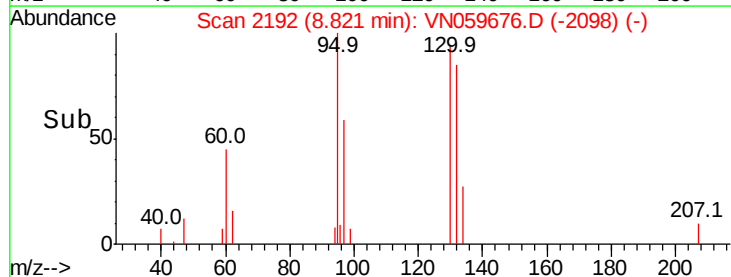
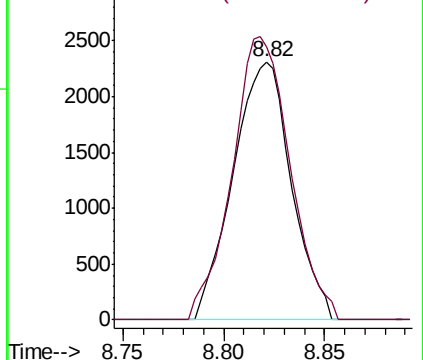
130 100

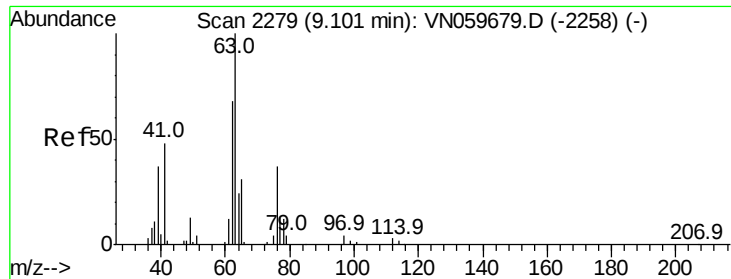
95 106.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059679.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059679.D (-2175) (-)

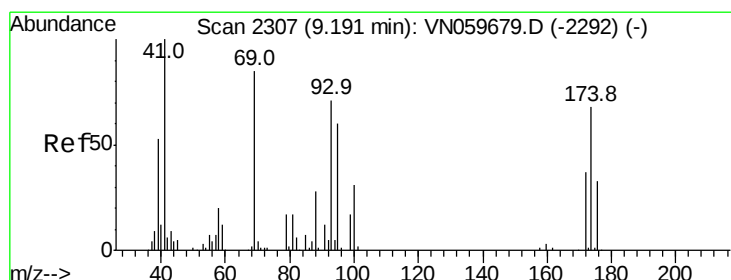
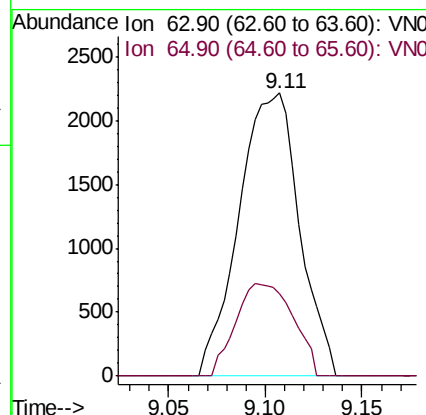
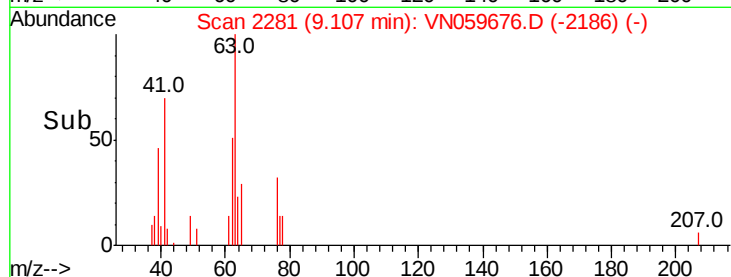
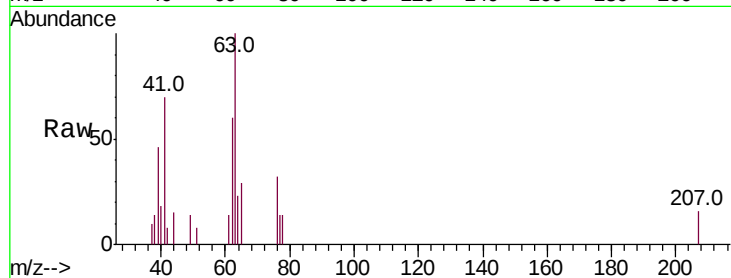




#45
 1,2-Dichloropropane
 Concen: 1.333 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

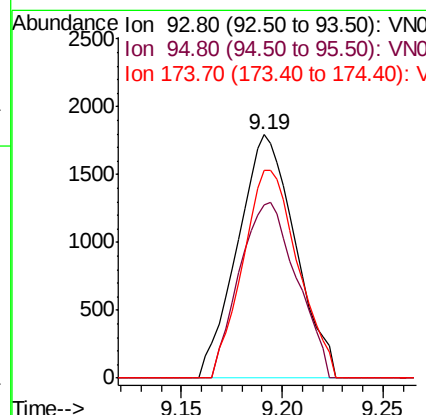
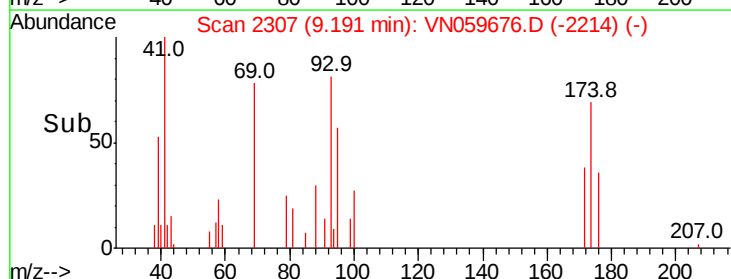
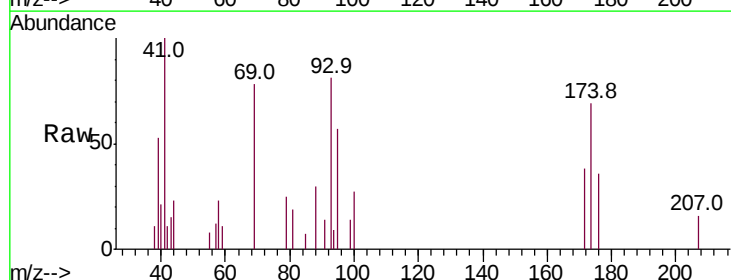
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

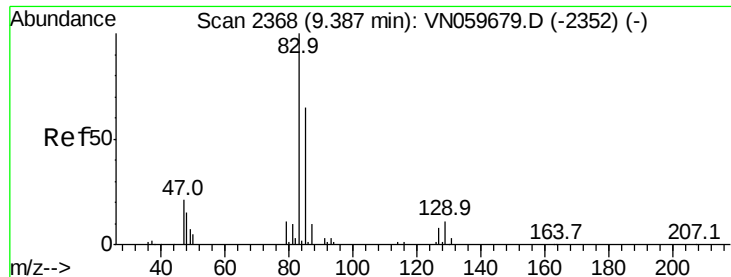
Tot Ion: 63 Resp: 4809
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.6 37.0



#46
 Dibromomethane
 Concen: 1.536 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion: 93 Resp: 3579
 Ion Ratio Lower Upper
 93 100
 95 71.6 67.0 100.4
 174 81.8 75.5 113.3





#47

Bromodichloromethane

Concen: 1.488 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

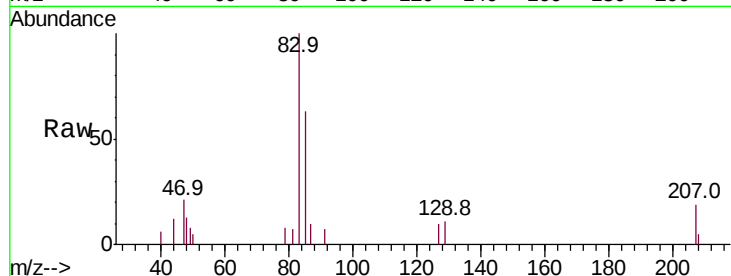
Tot Ion: 83 Resp: 6793

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6

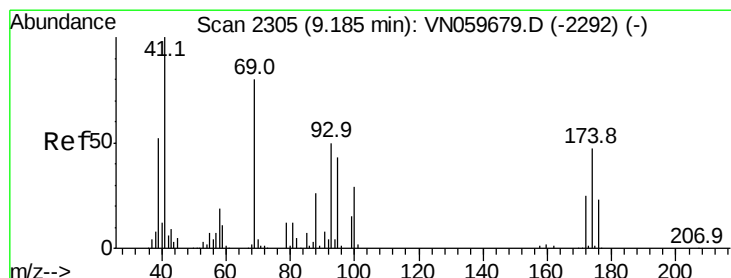
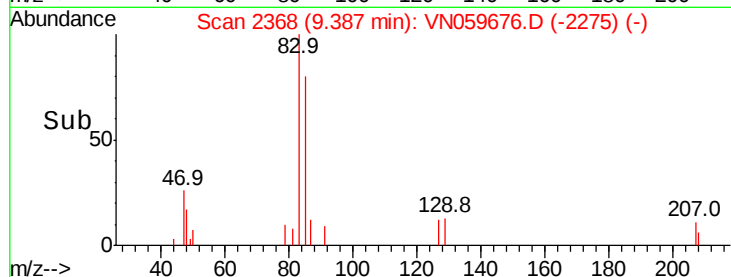
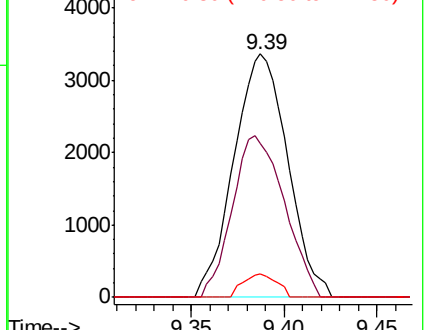
127 9.7 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059679.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059679.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059679.D (-2352) (-)



#48

Methyl methacrylate

Concen: 1.282 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

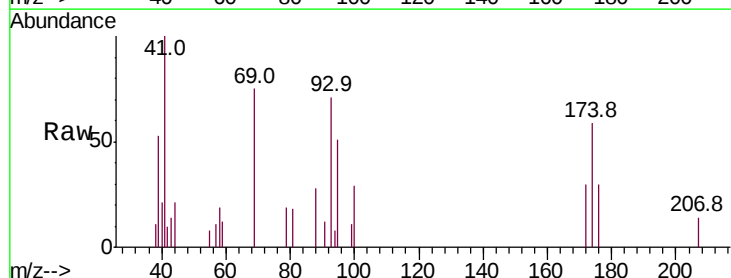
Tgt Ion: 41 Resp: 4716

Ion Ratio Lower Upper

41 100

69 74.5 66.9 100.3

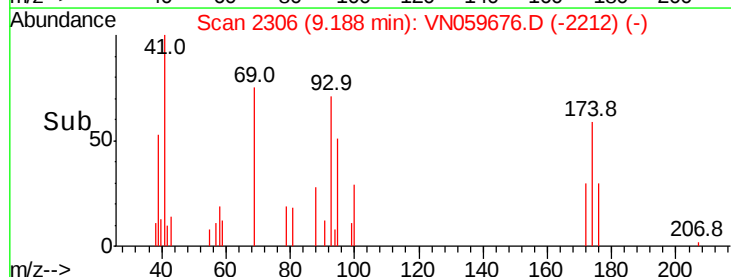
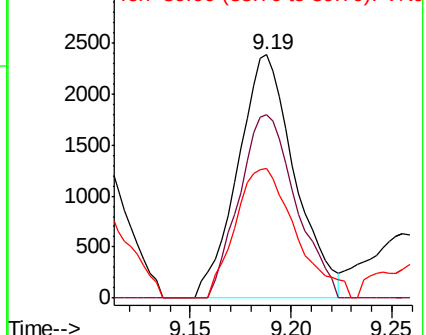
39 56.3 44.2 66.4

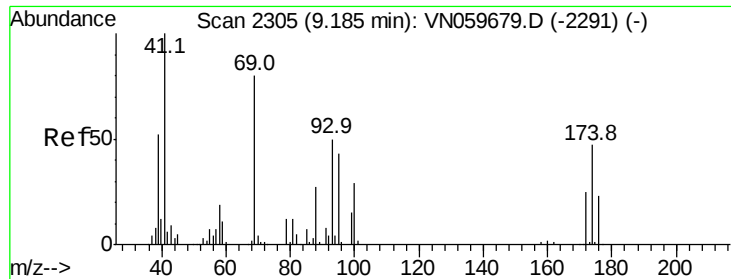


Abundance Ion 41.00 (40.70 to 41.70): VN059679.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059679.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059679.D (-2292) (-)

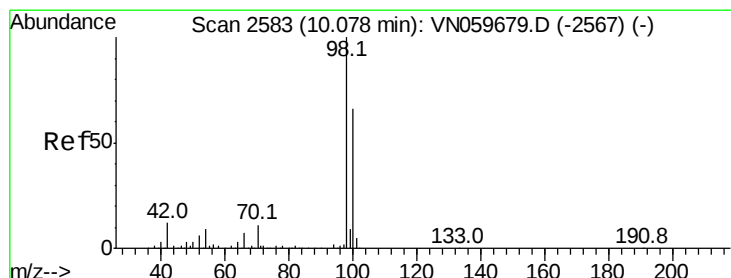
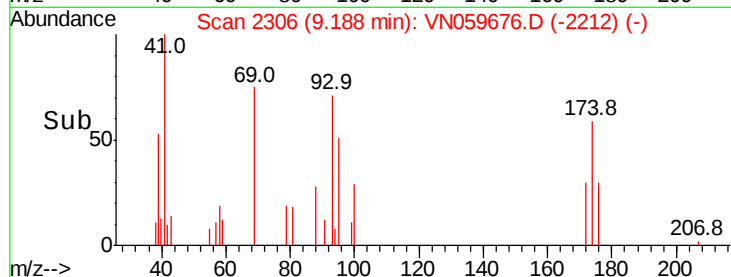
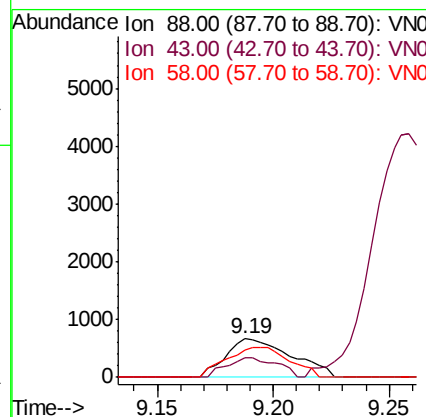
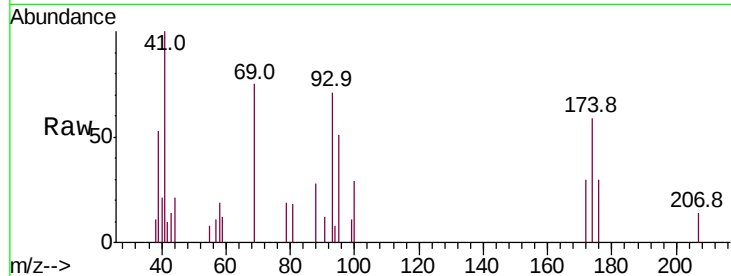




#49
1,4-Dioxane
Concen: 24.975 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

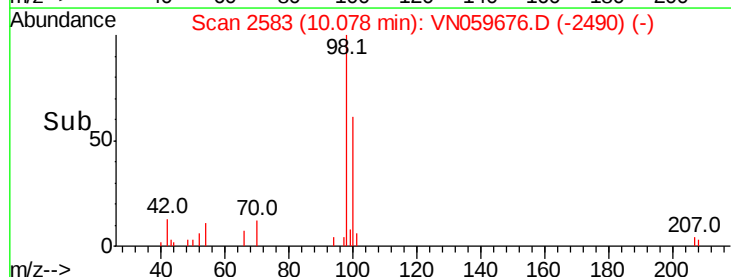
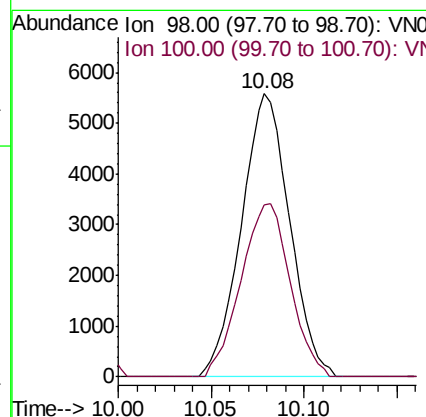
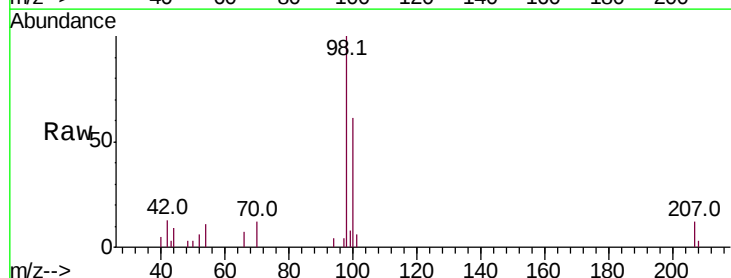
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

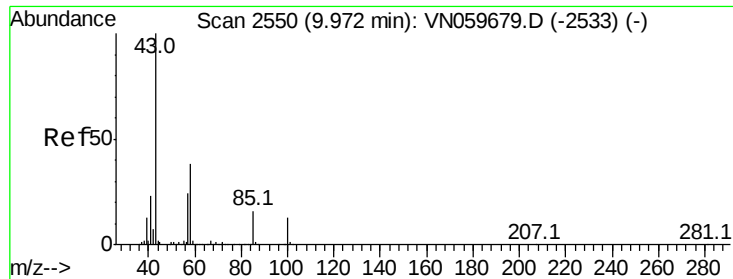
Tot Ion: 88 Resp: 1302
Ion Ratio Lower Upper
88 100
43 39.1 28.5 42.7
58 75.7 59.0 88.4



#50
Toluene-d8
Concen: 0.911 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 98 Resp: 10062
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0

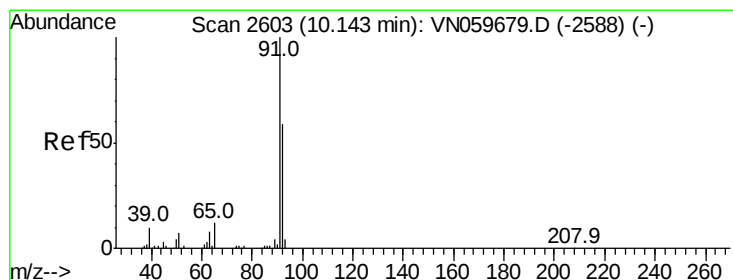
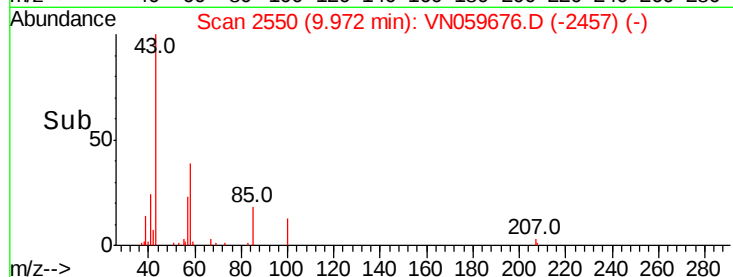
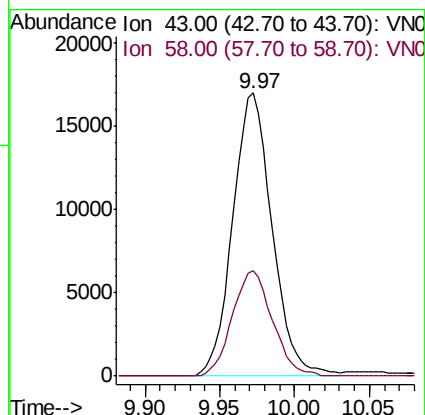
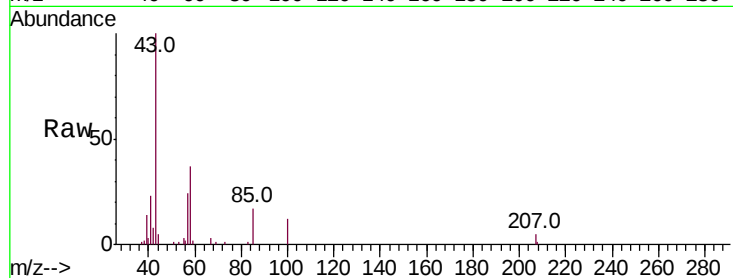




#51
 4-Methyl-2-Pentanone
 Concen: 6.506 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

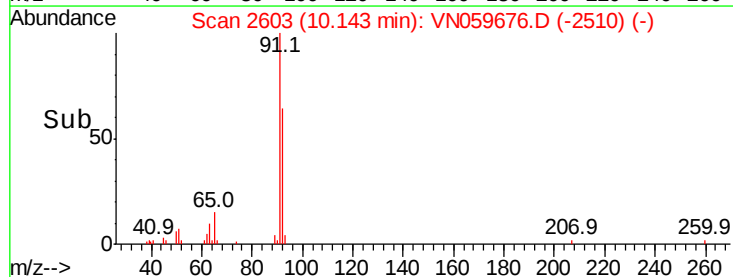
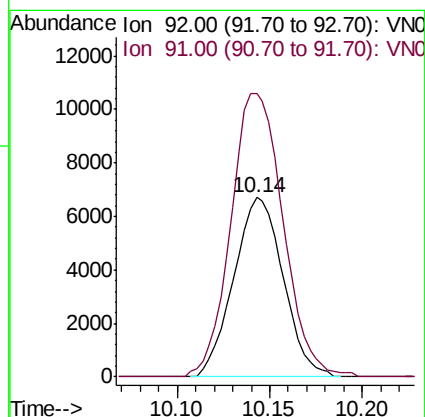
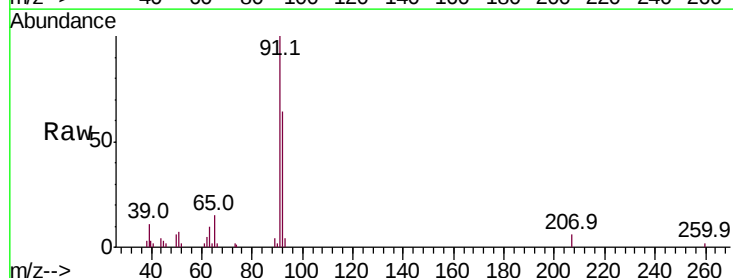
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

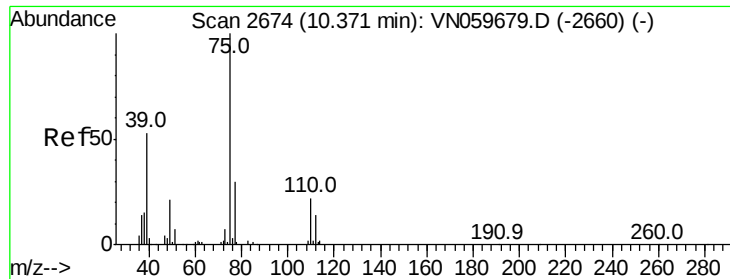
Tot Ion: 43 Resp: 31217
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.1 45.1



#52
 Toluene
 Concen: 1.519 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion: 92 Resp: 12410
 Ion Ratio Lower Upper
 92 100
 91 167.0 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 1.404 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

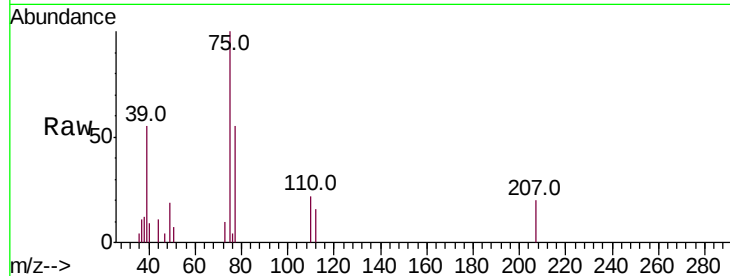
VSTDIC001

Tot Ion: 75 Resp: 7371

Ion Ratio Lower Upper

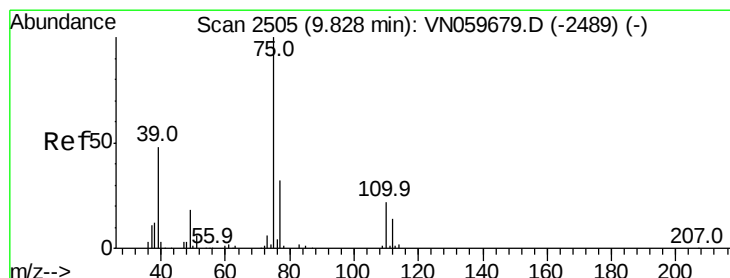
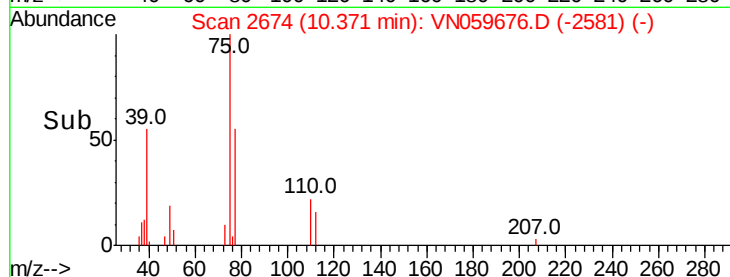
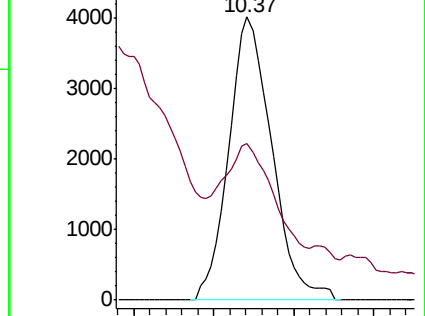
75 100

77 40.9 25.1 37.7#



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: 1.283 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

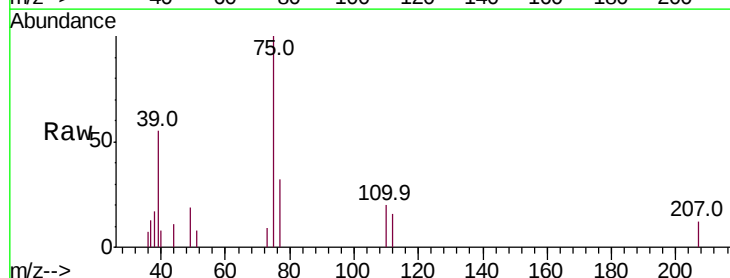
Tgt Ion: 75 Resp: 7277

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

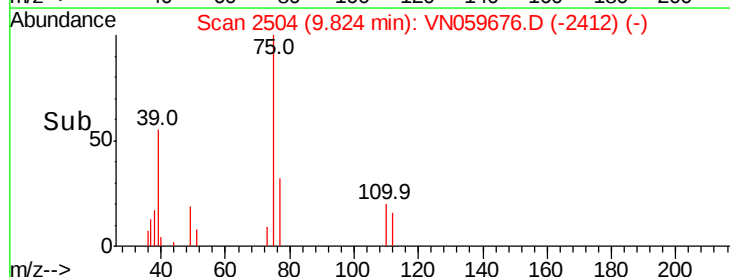
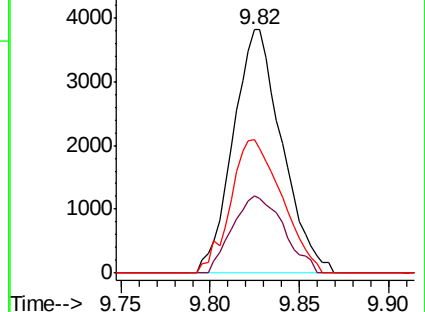
39 54.9 38.7 58.1

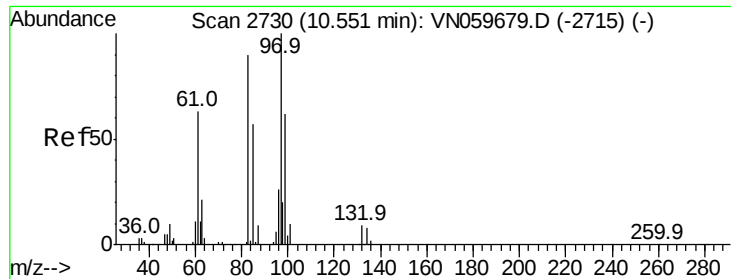


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.193 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

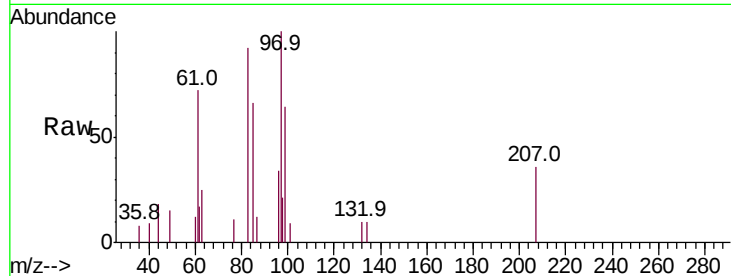
MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 3807

Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.9	107.9
85	65.7	45.9	68.9
99	63.6	49.4	74.2



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

10.55

Time-->

10.50 10.55 10.60

3000

2500

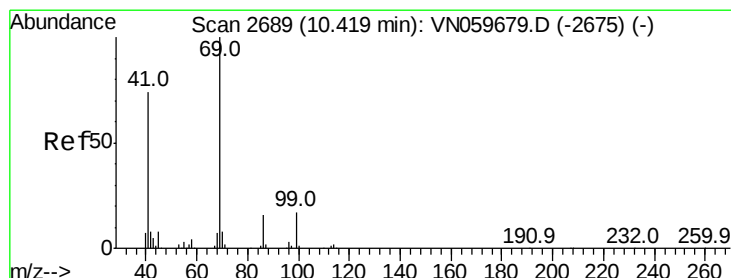
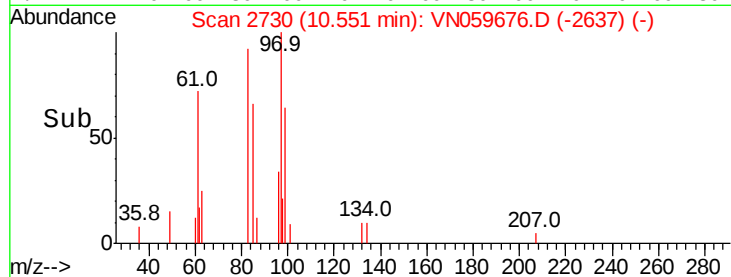
2000

1500

1000

500

0



#56

Ethyl methacrylate

Concen: 1.186 ug/l

RT: 10.42 min Scan# 2690

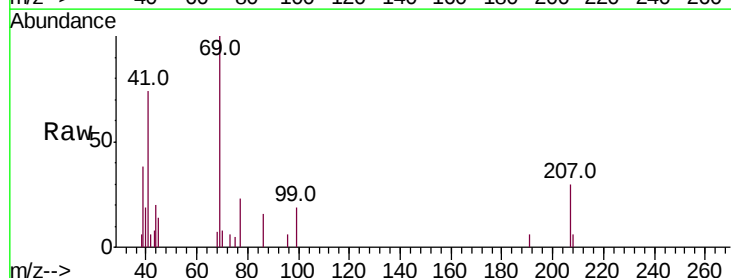
Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 69 Resp: 5431

Ion	Ratio	Lower	Upper
69	100		
41	75.6	58.6	87.8
39	39.2	33.5	50.3



Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.42

Time-->

10.35 10.40 10.45

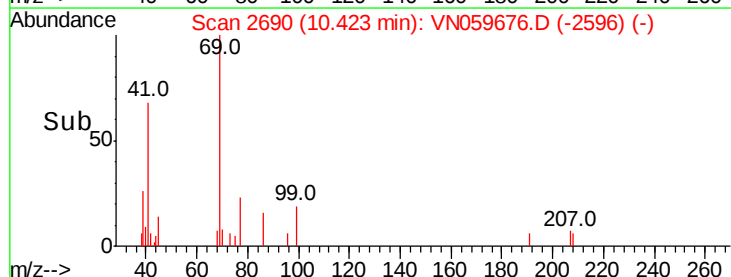
4000

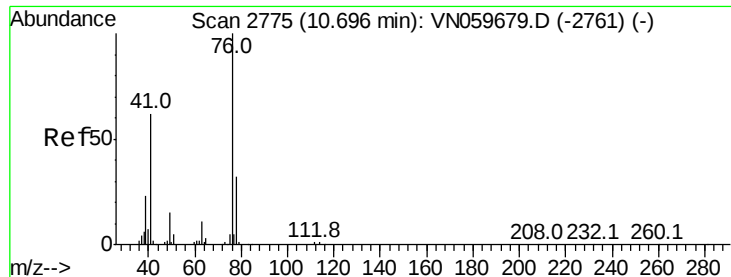
3000

2000

1000

0





#57

1,3-Dichloropropane

Concen: 1.338 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

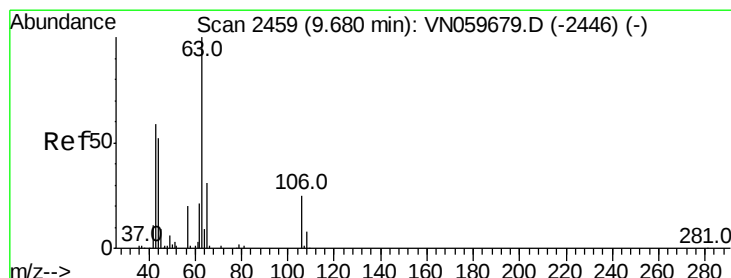
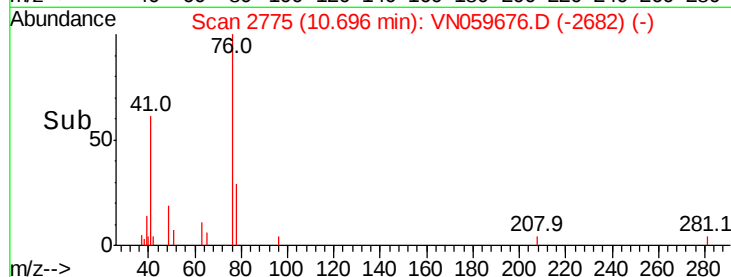
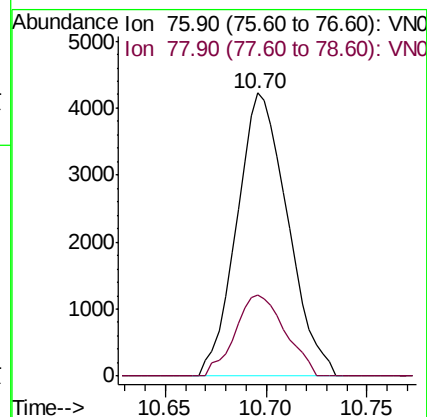
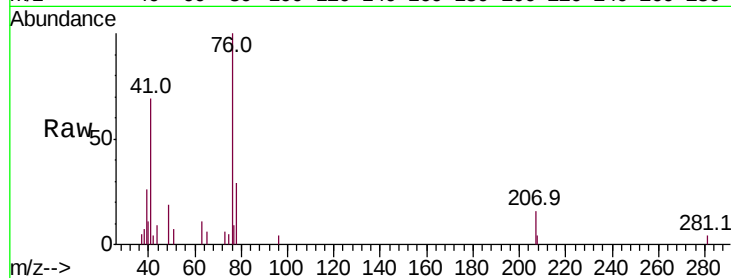
VSTDIC001

Tot Ion: 76 Resp: 7454

Ion Ratio Lower Upper

76 100

78 28.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 2.412 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059676.D

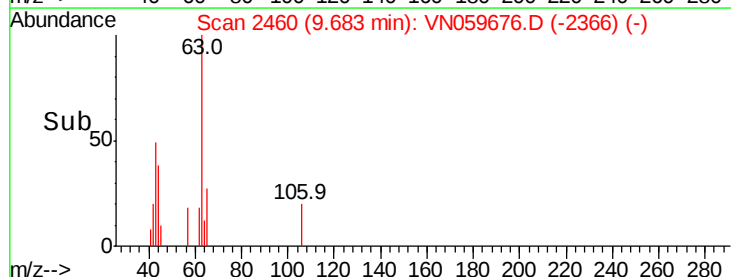
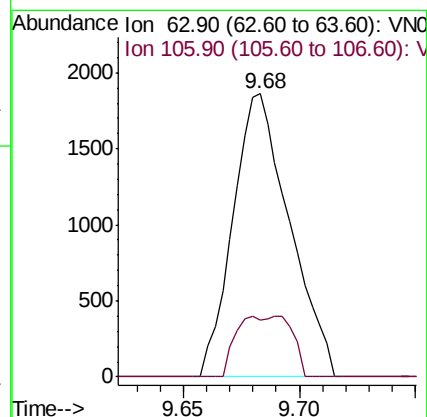
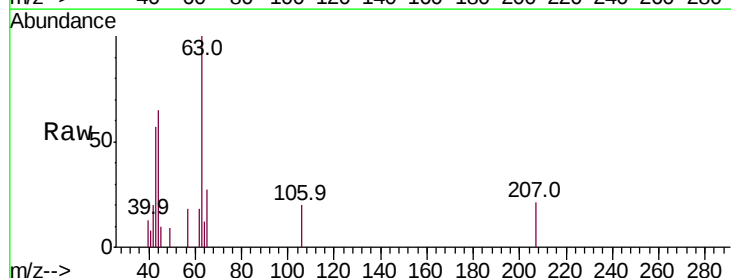
Acq: 20 Dec 2019 13:25

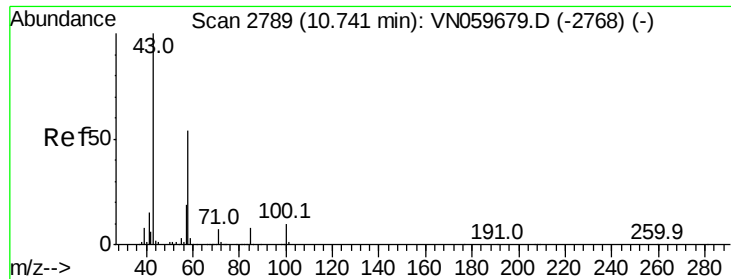
Tgt Ion: 63 Resp: 3147

Ion Ratio Lower Upper

63 100

106 10.1 19.7 29.5#

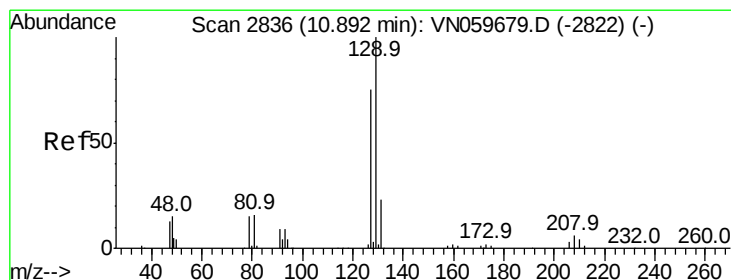
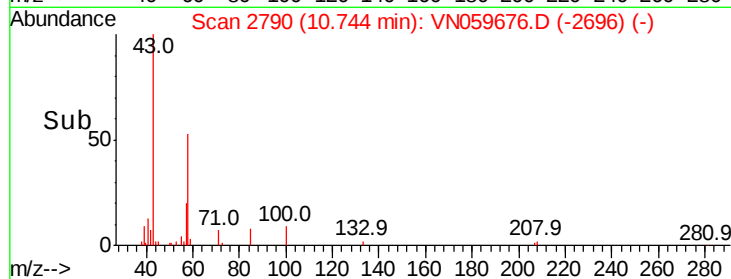
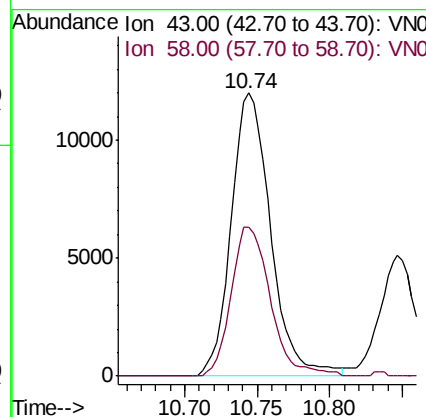
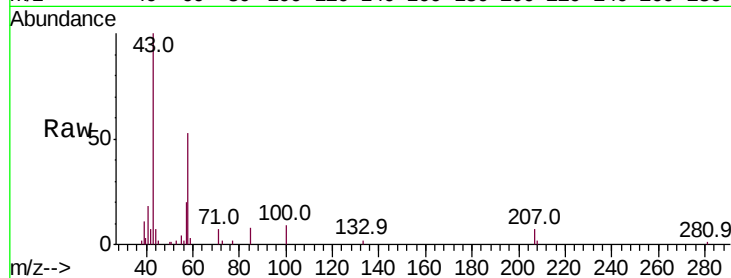




#59
2-Hexanone
Concen: 6.004 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

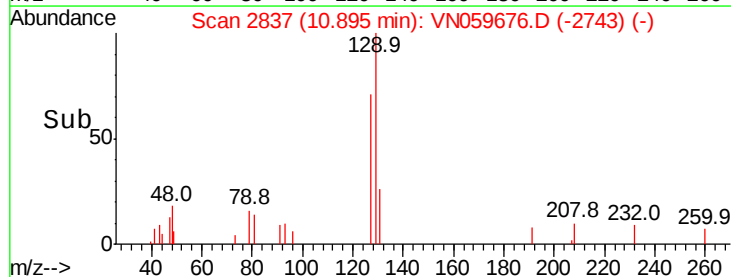
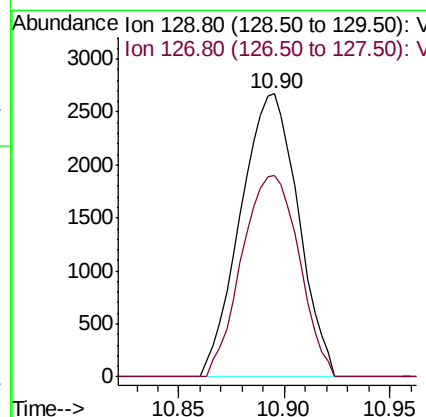
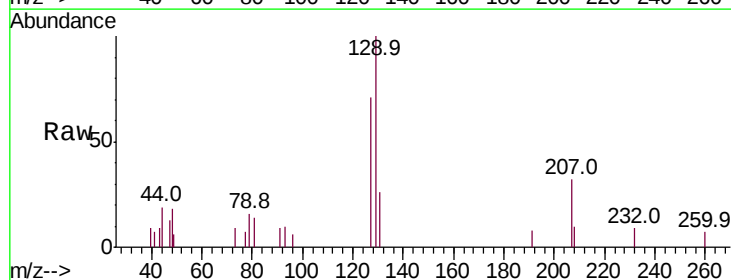
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

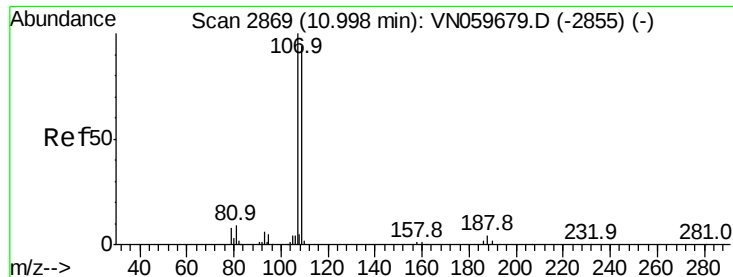
Tot Ion: 43 Resp: 22673
Ion Ratio Lower Upper
43 100
58 52.6 27.0 81.0



#60
Dibromochloromethane
Concen: 1.468 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion: 129 Resp: 5085
Ion Ratio Lower Upper
129 100
127 70.6 37.7 113.1

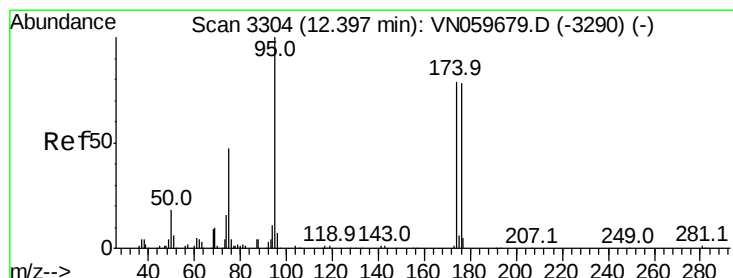
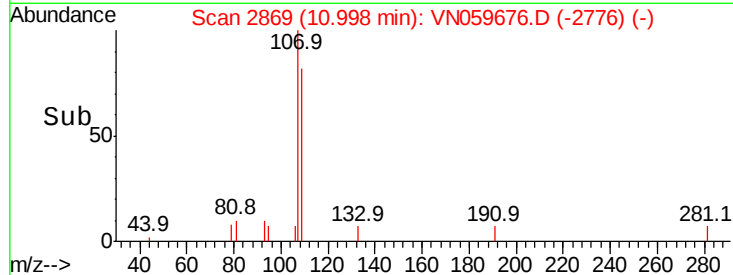
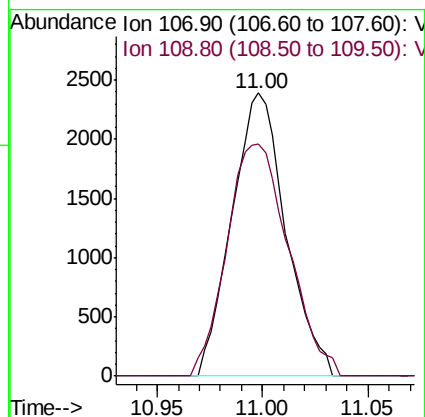
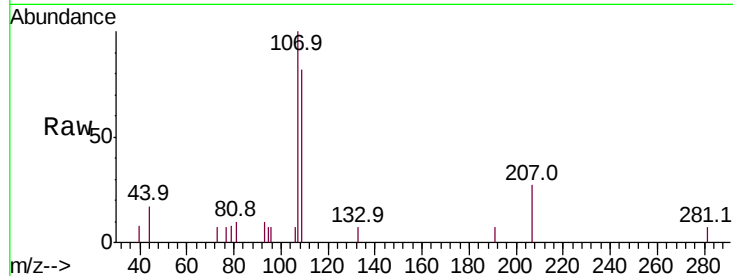




#61
 1,2-Dibromoethane
 Concen: 1.260 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

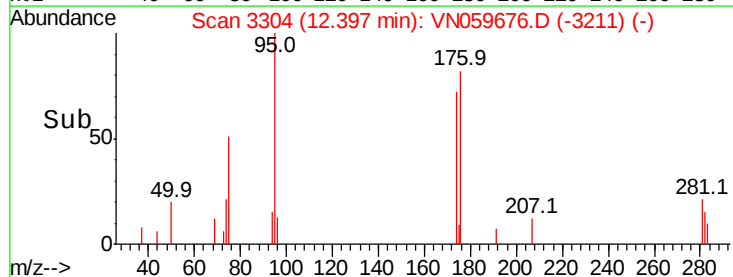
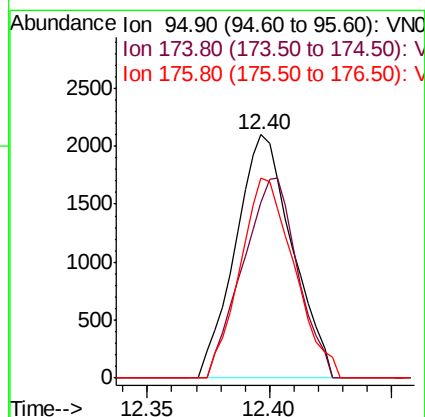
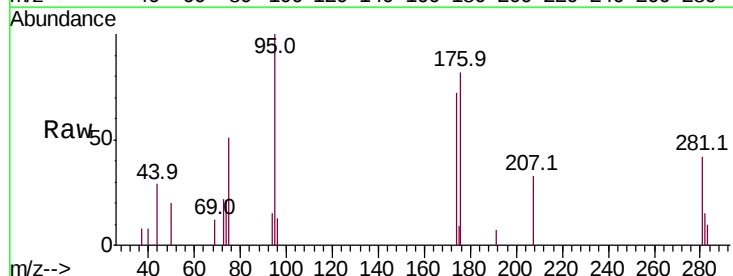
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

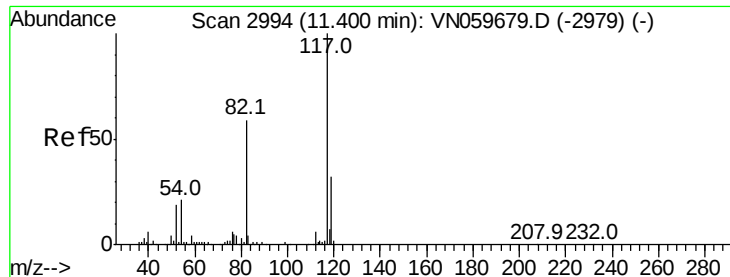
Tot Ion: 107 Resp: 4253
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 0.853 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion: 95 Resp: 3382
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 157.4
 176 78.7 0.0 155.8

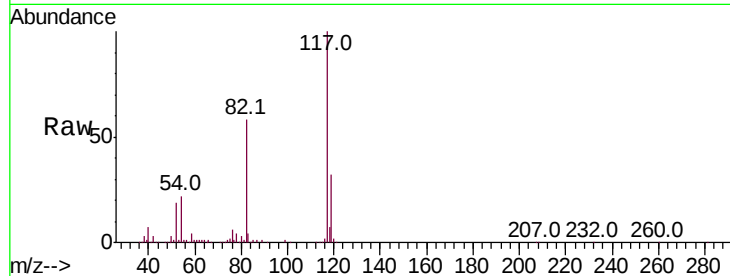




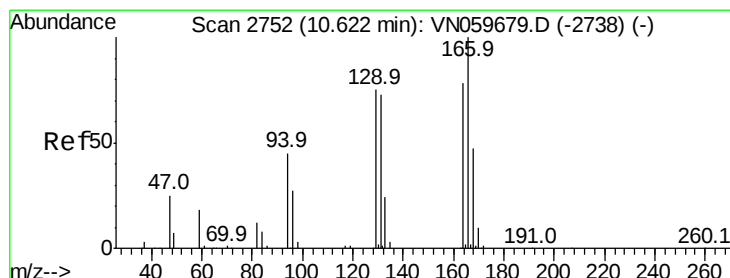
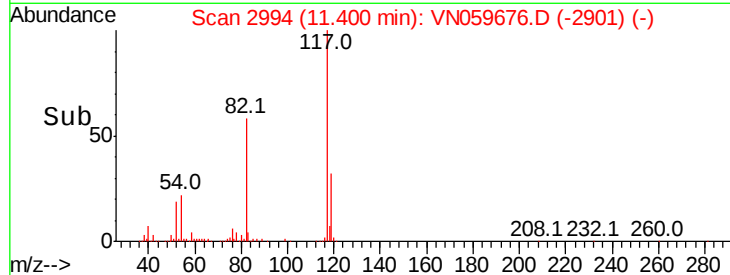
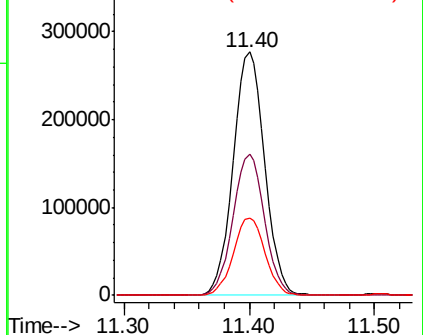
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 482679
Ion Ratio Lower Upper
117 100
82 57.9 47.0 70.6
119 31.9 25.7 38.5

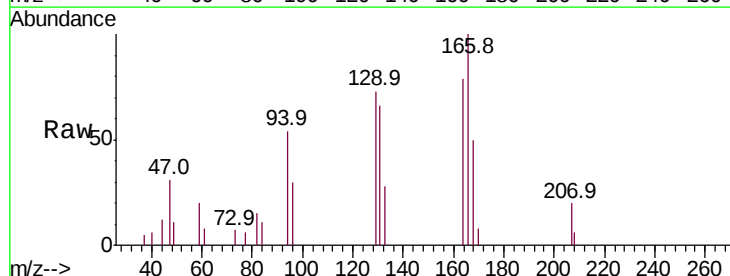


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

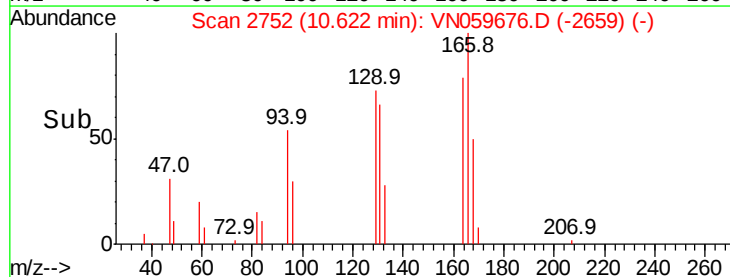
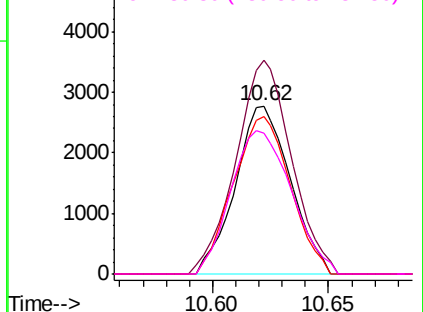


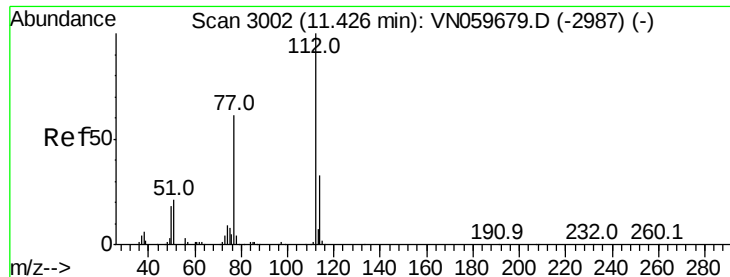
#64
Tetrachloroethene
Concen: 1.049 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion:164 Resp: 4557
Ion Ratio Lower Upper
164 100
166 127.2 103.1 154.7
129 93.5 77.4 116.2
131 83.8 75.0 112.4



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





#65

Chlorobenzene

Concen: 1.222 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

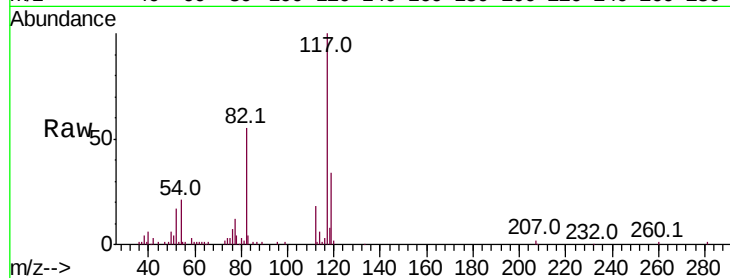
VSTDIC001

Tot Ion:112 Resp: 12315

Ion Ratio Lower Upper

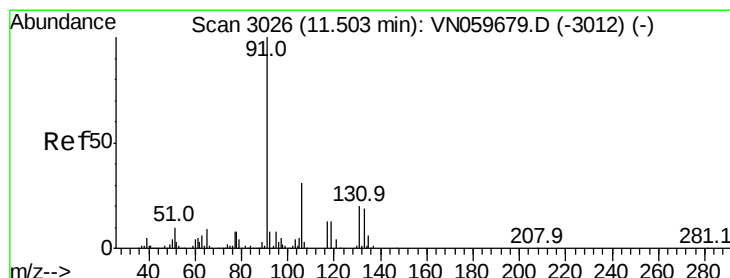
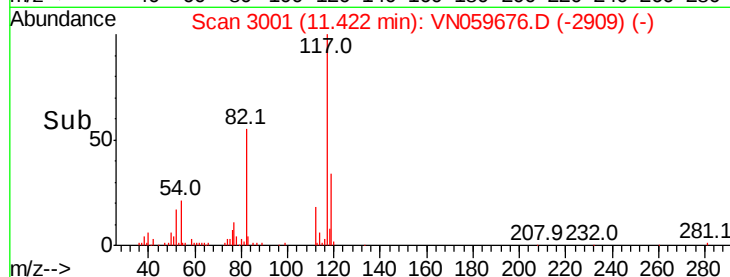
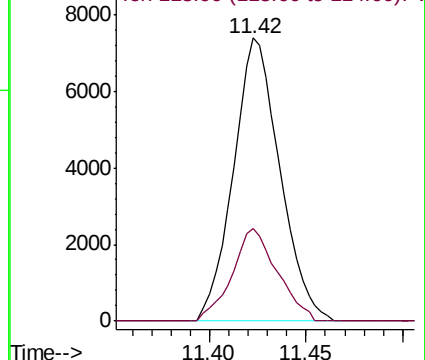
112 100

114 32.8 26.1 39.1



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: 0.960 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

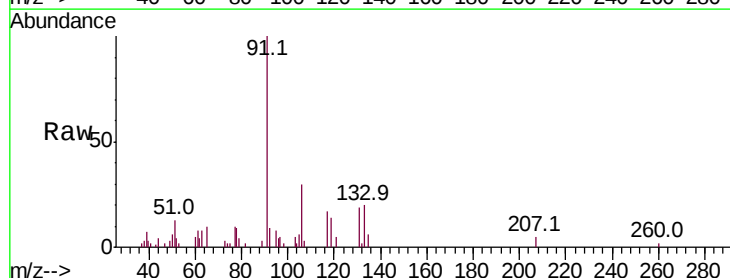
Tgt Ion:131 Resp: 3656

Ion Ratio Lower Upper

131 100

133 111.6 47.2 141.6

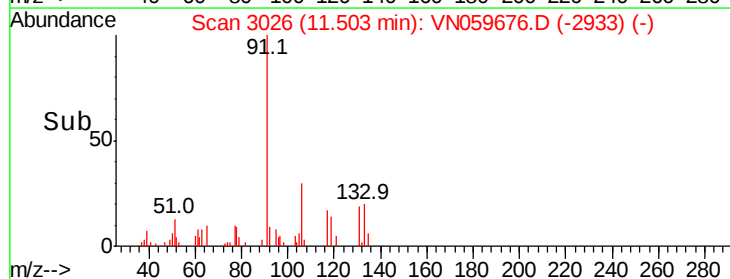
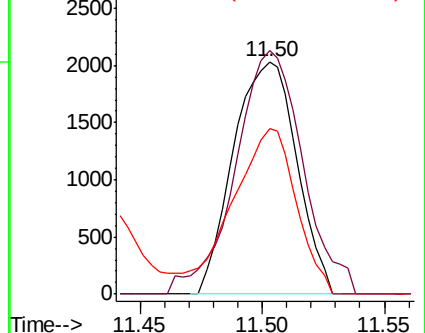
119 0.0 33.4 100.1#

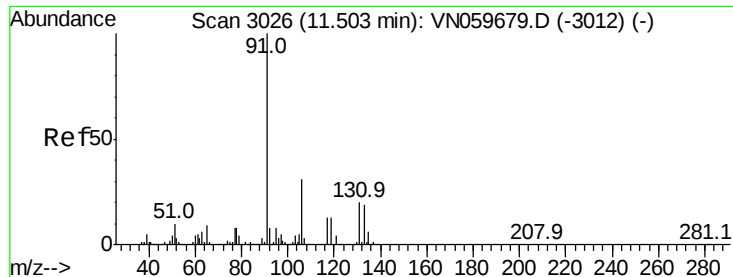


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.045 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

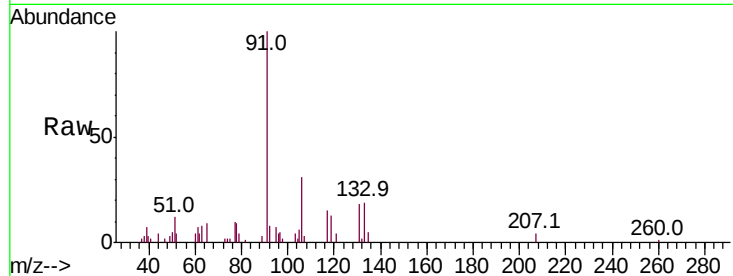
VSTDIC001

Tot Ion: 91 Resp: 18893

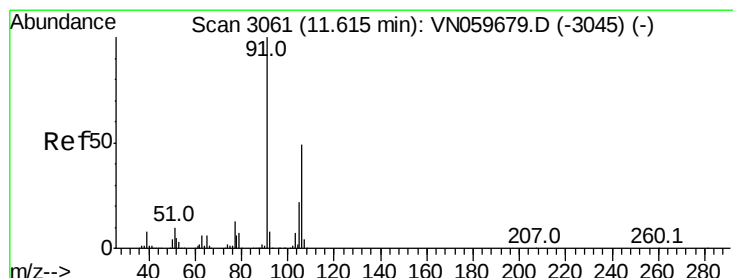
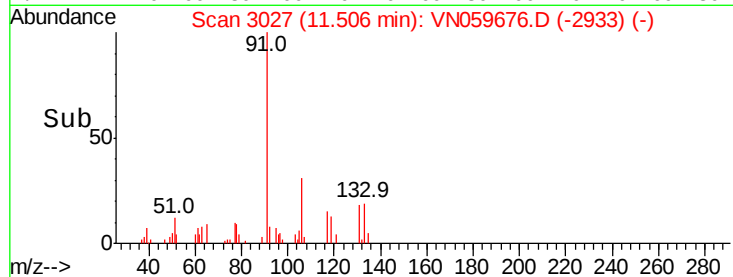
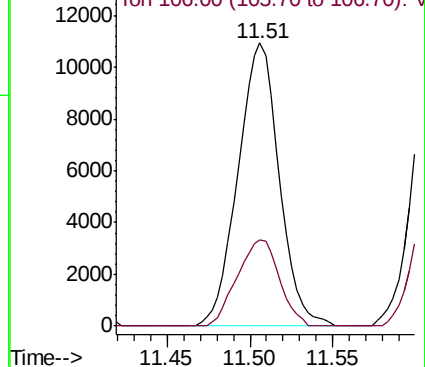
Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VN059676.D (-2933) (-)



#68

m/p-Xylenes

Concen: 1.920 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059676.D

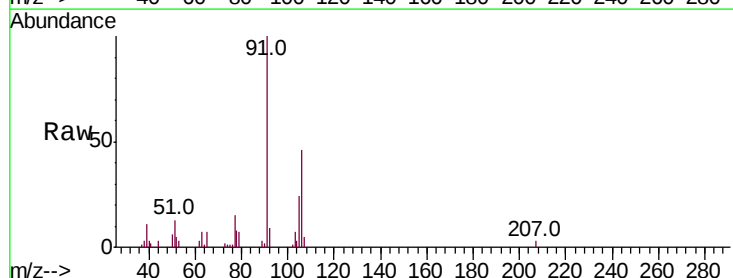
Acq: 20 Dec 2019 13:25

Tgt Ion: 106 Resp: 12796

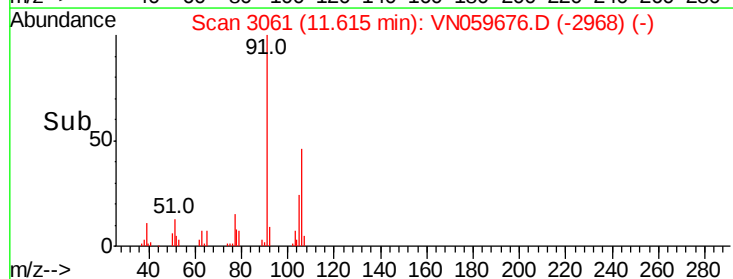
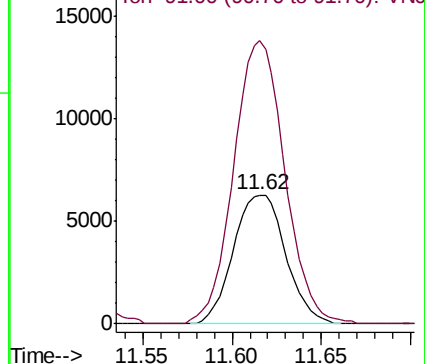
Ion Ratio Lower Upper

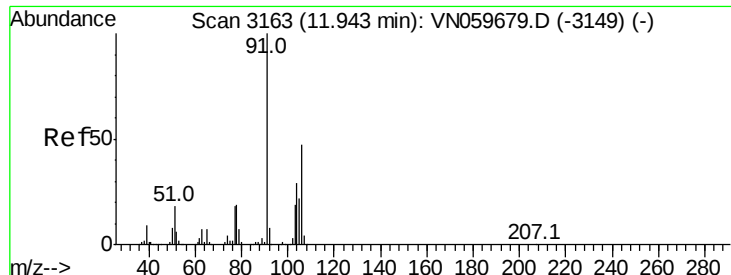
106 100

91 215.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN059676.D (-2968) (-)

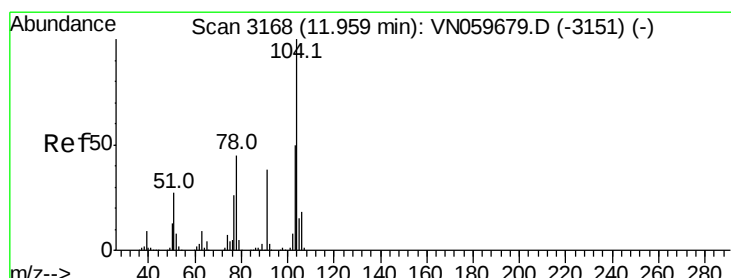
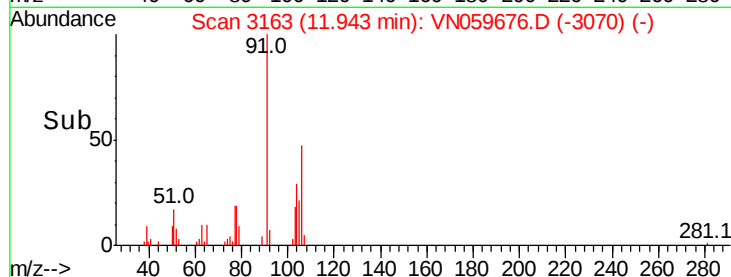
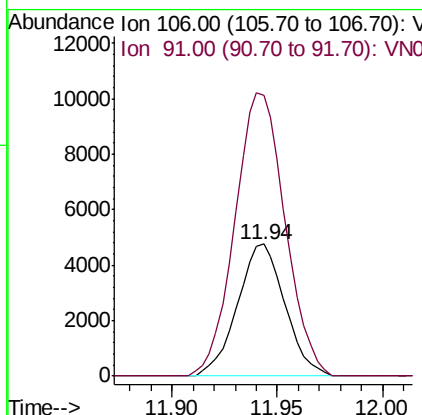
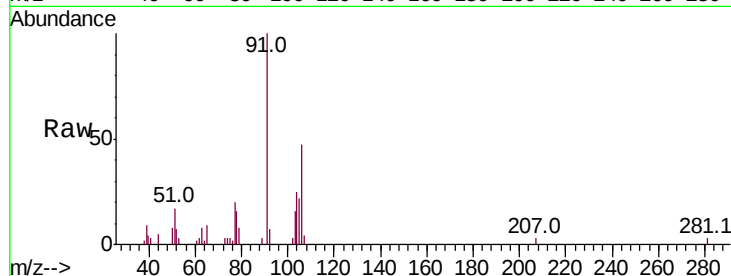




#69
o-Xylene
Concen: 1.175 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

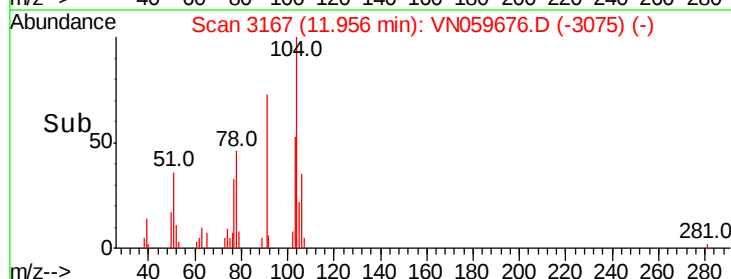
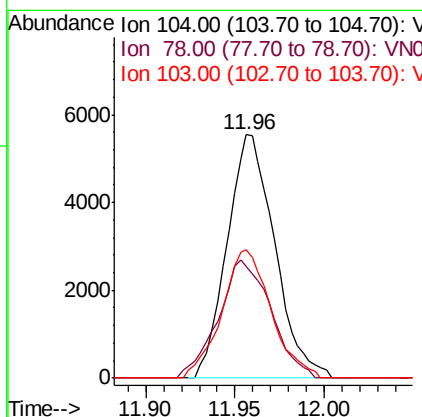
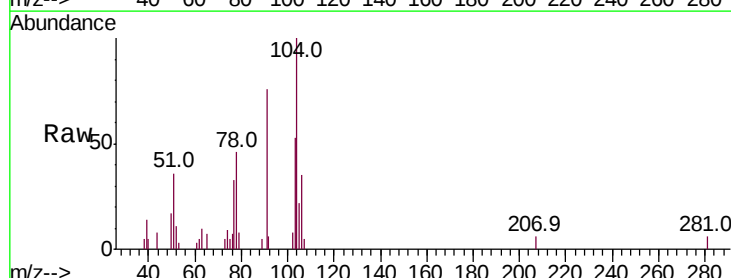
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

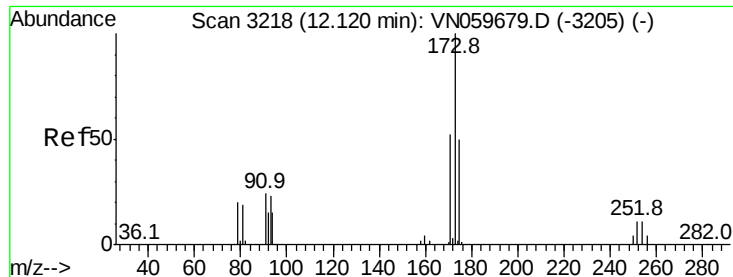
Tot Ion:106 Resp: 7439
Ion Ratio Lower Upper
106 100
91 226.5 108.5 325.5



#70
Styrene
Concen: 1.018 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059676.D
Acq: 20 Dec 2019 13:25

Tgt Ion:104 Resp: 10310
Ion Ratio Lower Upper
104 100
78 53.6 40.9 61.3
103 54.5 44.2 66.2





#71

Bromoform

Concen: 1.168 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

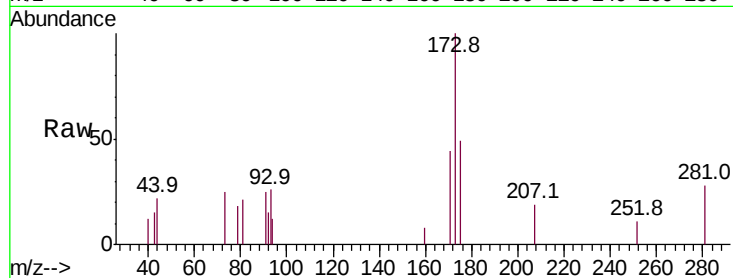
Tot Ion:173 Resp: 3310

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

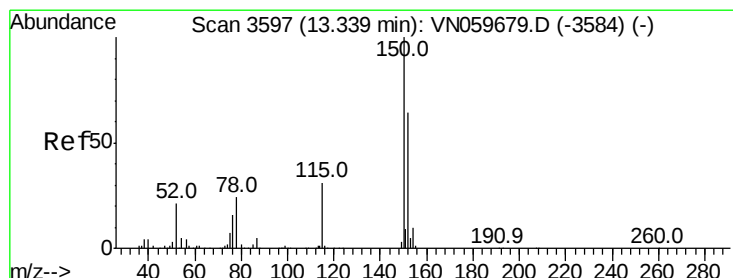
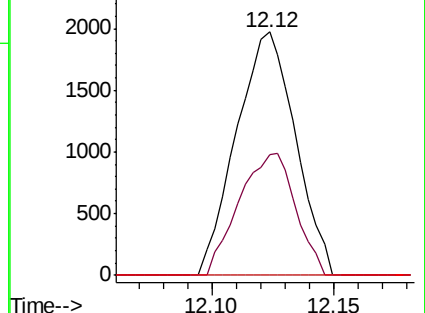
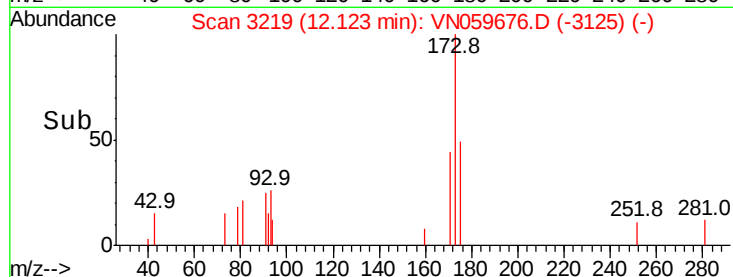
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

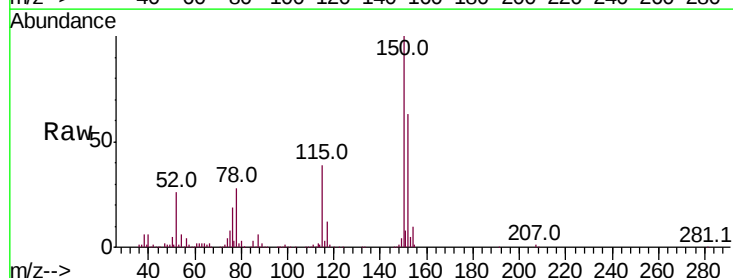
Tgt Ion:152 Resp: 152562

Ion Ratio Lower Upper

152 100

115 61.7 29.9 89.8

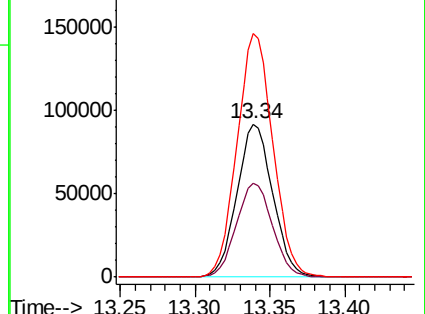
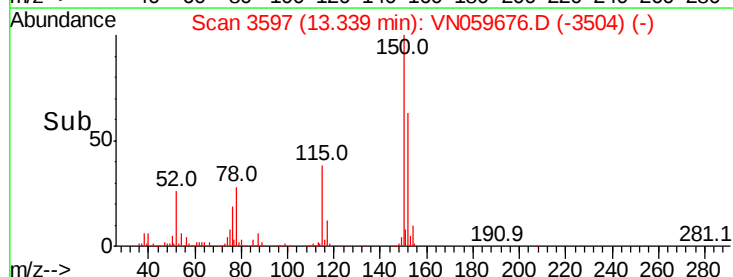
150 159.3 0.0 339.0

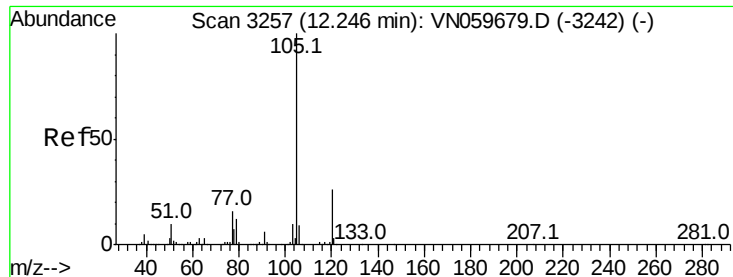


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.666 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

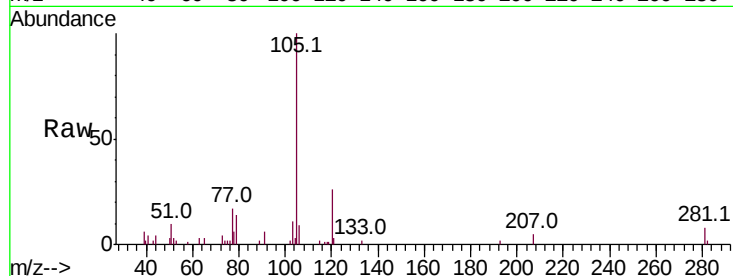
VSTDIC001

Tot Ion:105 Resp: 19071

Ion Ratio Lower Upper

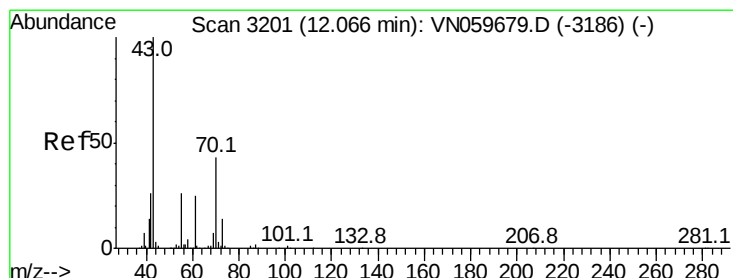
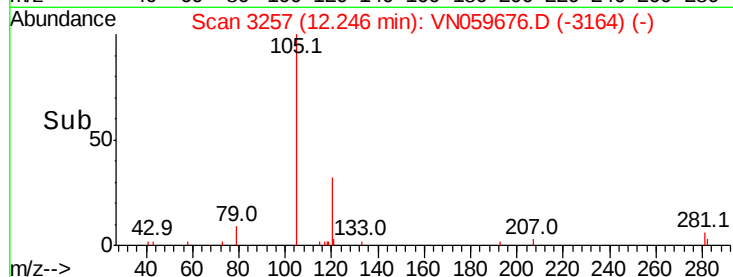
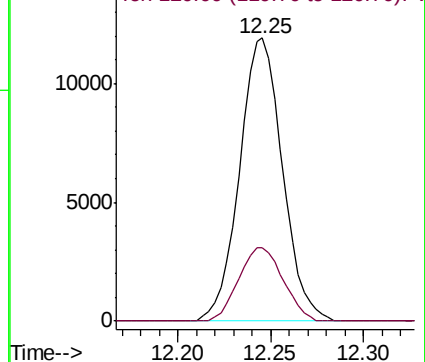
105 100

120 27.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.413 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Tgt Ion: 43 Resp: 7292

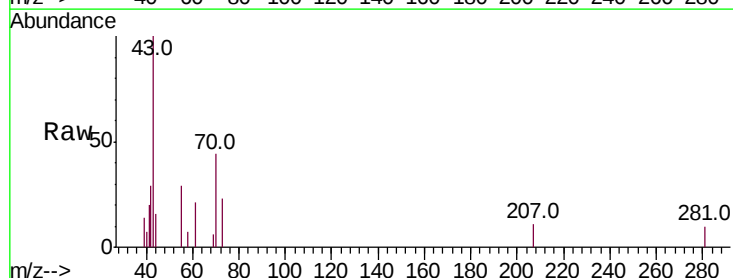
Ion Ratio Lower Upper

43 100

70 36.9 34.2 51.2

55 24.4 21.3 31.9

61 19.4 19.4 29.2#

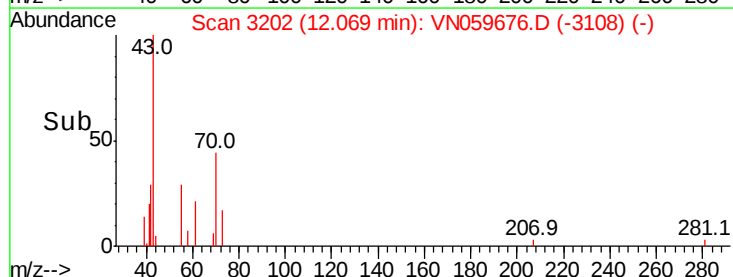
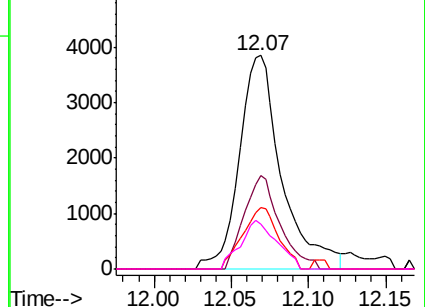


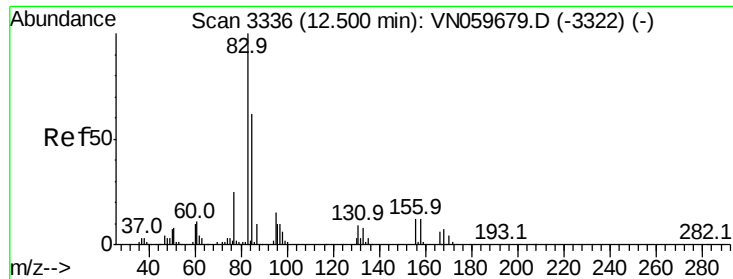
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 1.749 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

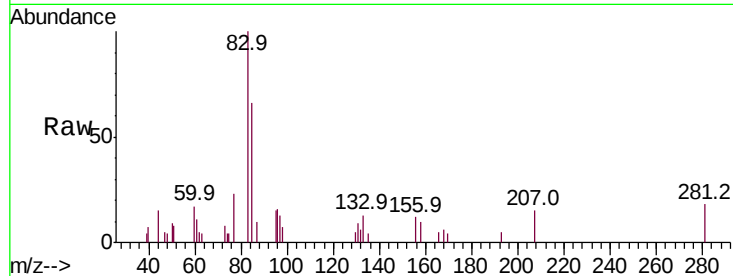
Tot Ion: 83 Resp: 6374

Ion Ratio Lower Upper

83 100

131 7.2 4.8 14.4

85 64.4 32.0 96.2

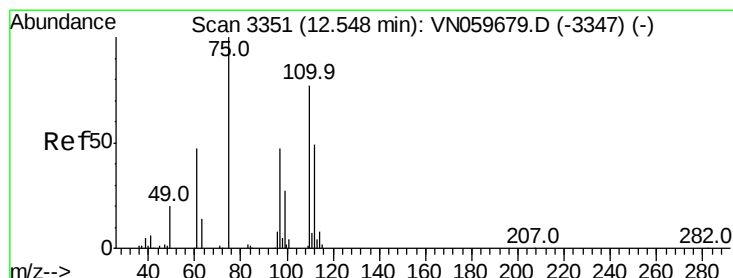
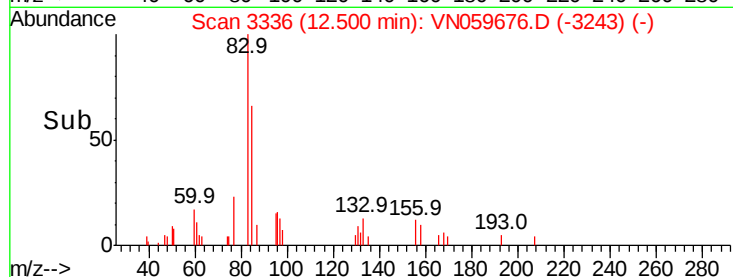


Abundance Ion 82.90 (82.60 to 83.60): VN059679.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059679.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059679.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 2.625 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059676.D

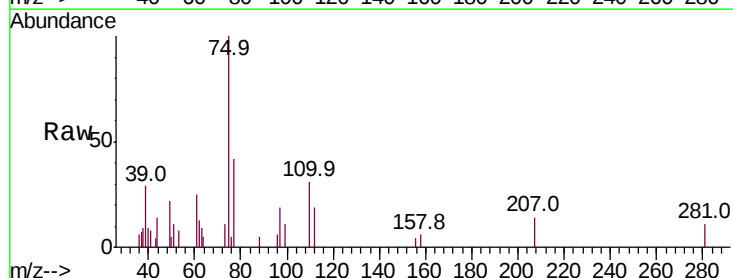
Acq: 20 Dec 2019 13:25

Tgt Ion: 75 Resp: 9434

Ion Ratio Lower Upper

75 100

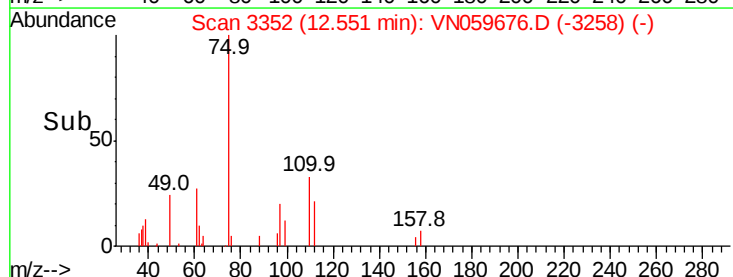
77 0.0 0.0 0.0

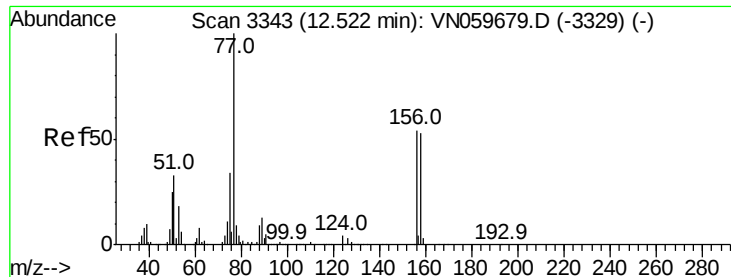


Abundance Ion 74.90 (74.60 to 75.60): VN059679.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059679.D (-3347) (-)

Time-->





#77

Bromobenzene

Concen: 1.838 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

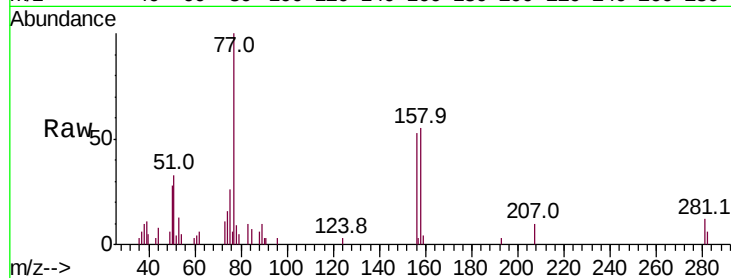
Tot Ion:156 Resp: 5237

Ion Ratio Lower Upper

156 100

77 236.7 112.9 338.6

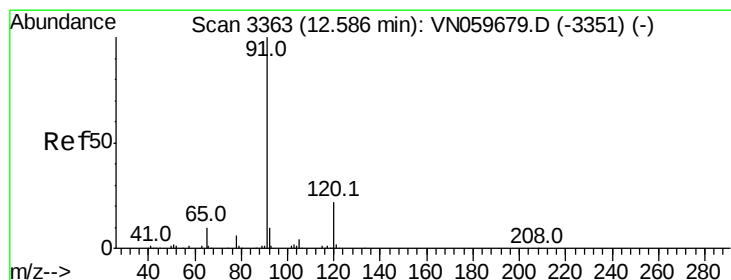
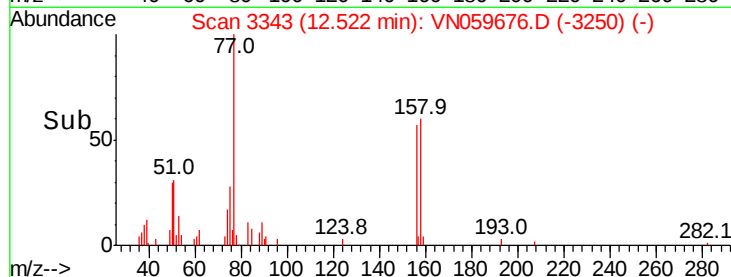
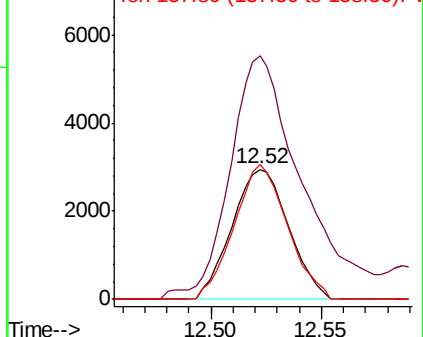
158 97.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.634 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059676.D

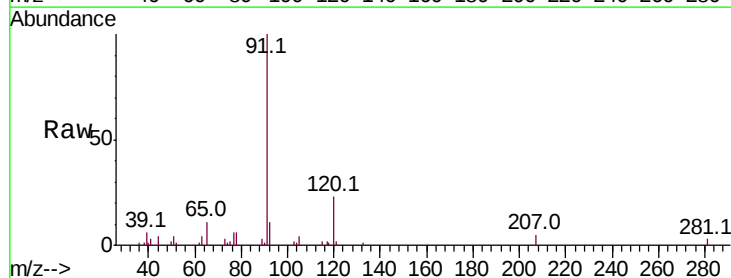
Acq: 20 Dec 2019 13:25

Tgt Ion: 91 Resp: 22045

Ion Ratio Lower Upper

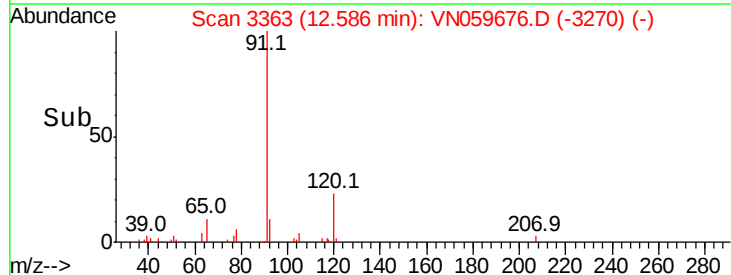
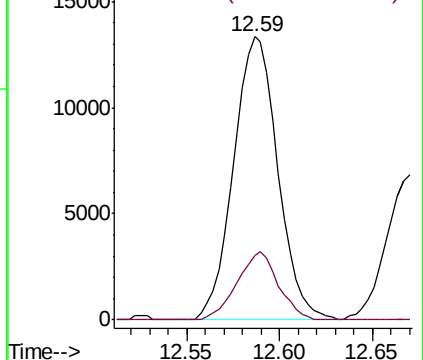
91 100

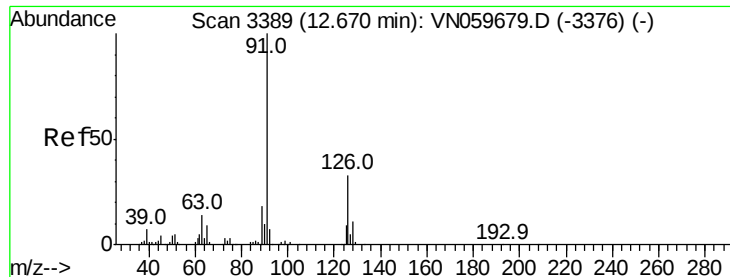
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.485 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

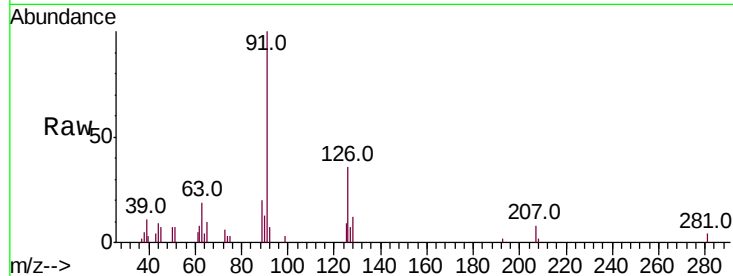
VSTDIC001

Tot Ion: 91 Resp: 12170

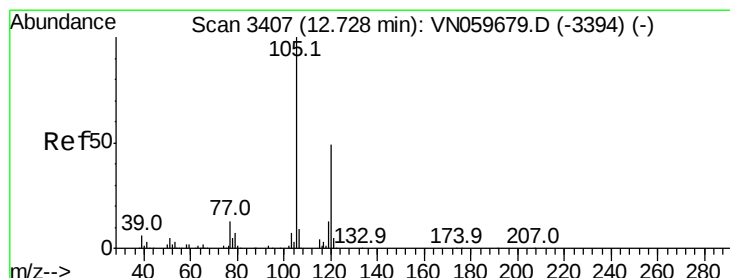
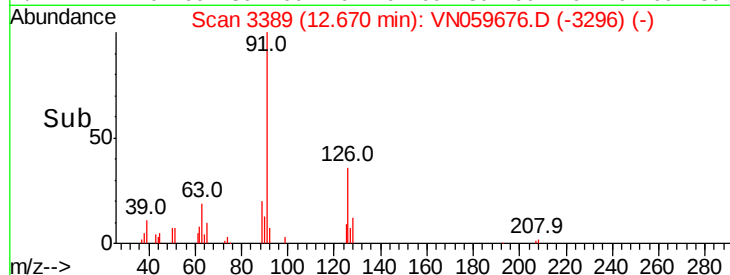
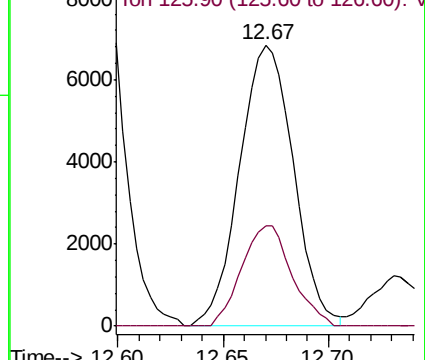
Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN059679.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.494 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059676.D

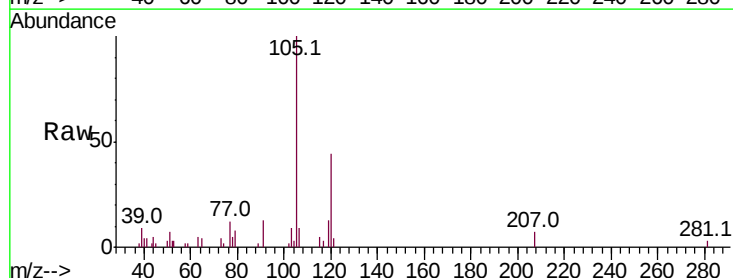
Acq: 20 Dec 2019 13:25

Tgt Ion: 105 Resp: 14560

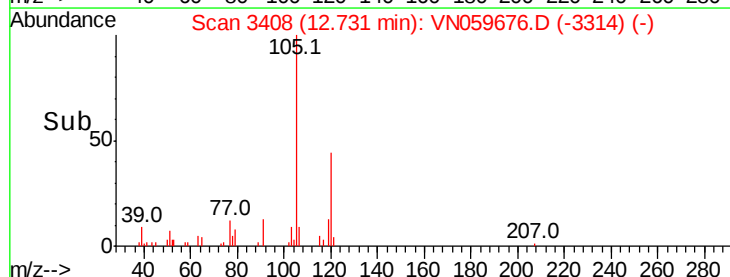
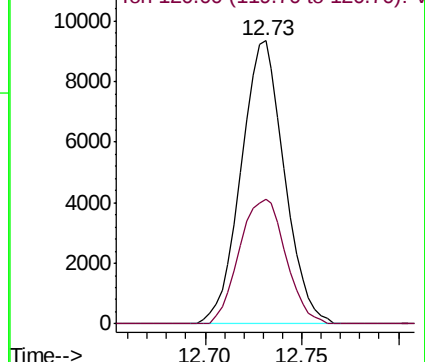
Ion Ratio Lower Upper

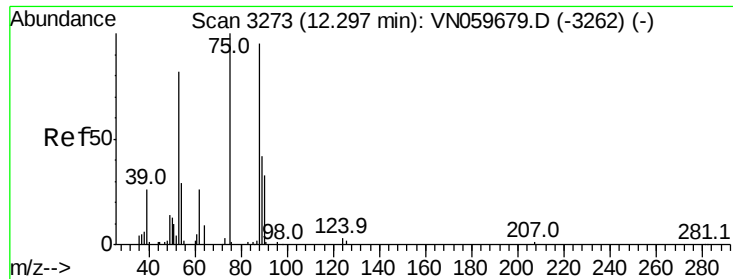
105 100

120 47.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059679.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.143 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

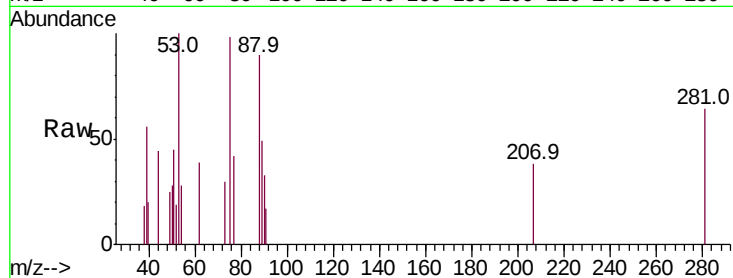
Tot Ion: 75 Resp: 1651

Ion Ratio Lower Upper

75 100

53 109.8 67.8 101.8#

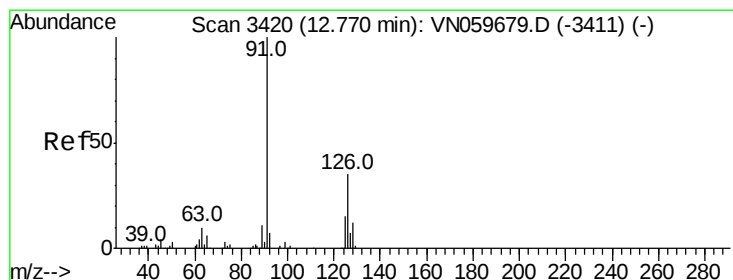
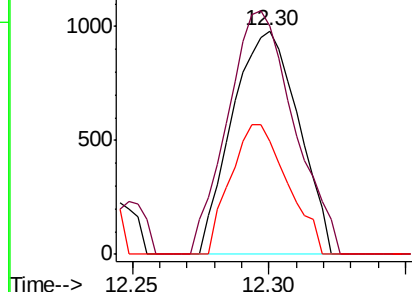
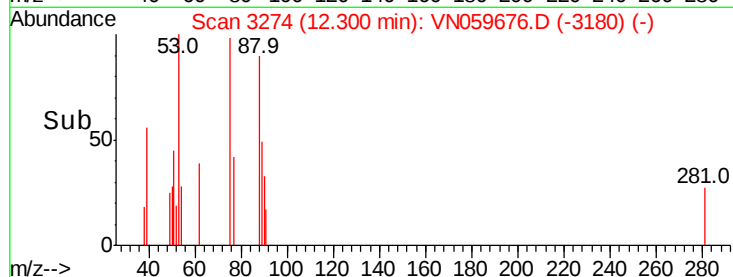
89 49.9 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.736 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059676.D

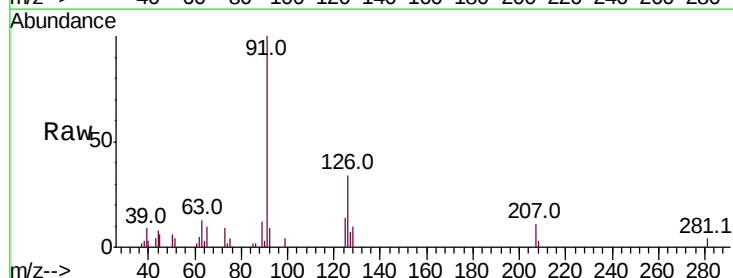
Acq: 20 Dec 2019 13:25

Tgt Ion: 91 Resp: 14536

Ion Ratio Lower Upper

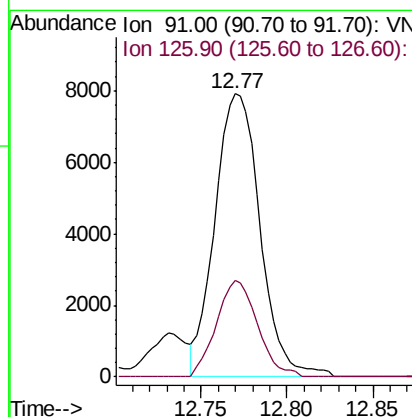
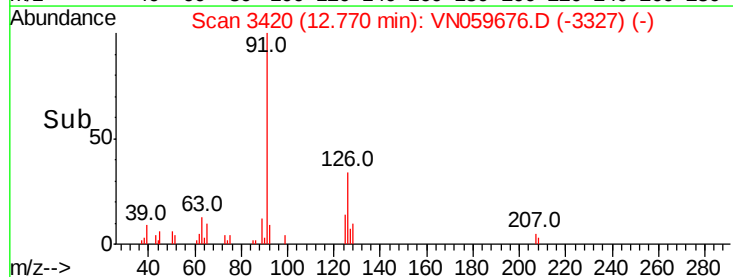
91 100

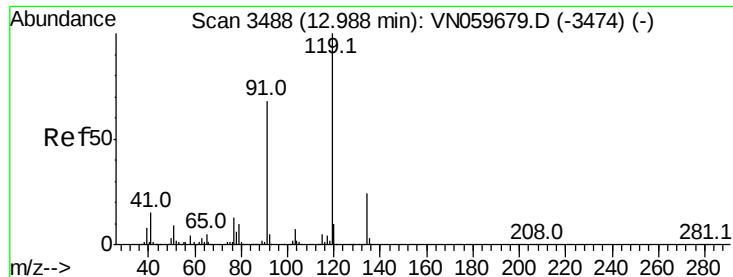
126 30.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

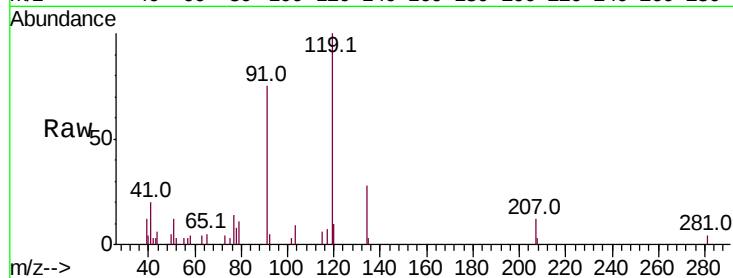




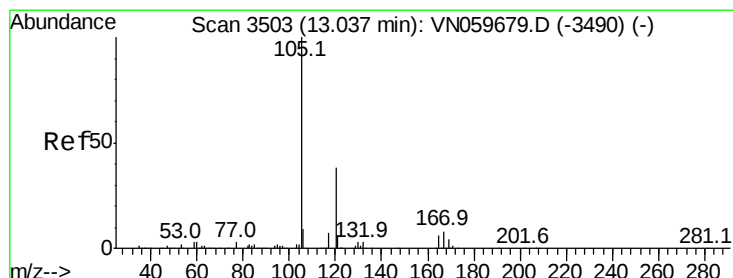
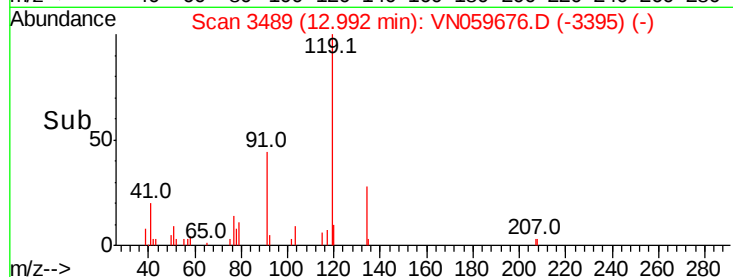
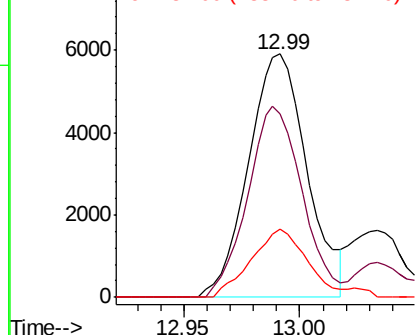
#83
 tert-Butylbenzene
 Concen: 1.254 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:119 Resp: 10374
 Ion Ratio Lower Upper
 119 100
 91 72.9 33.0 99.0
 134 26.5 12.4 37.2

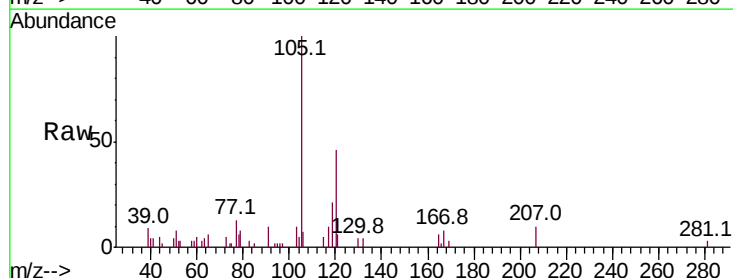


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

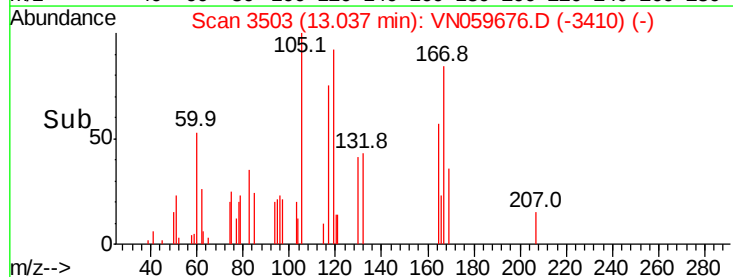
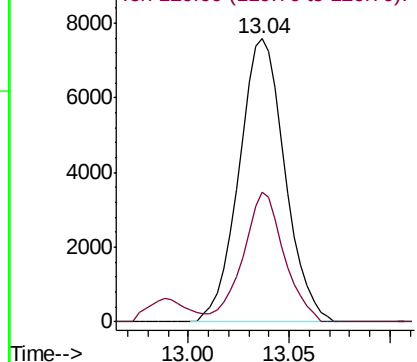


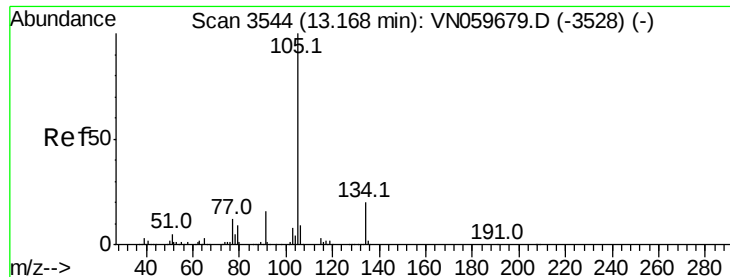
#84
 1,2,4-Trimethylbenzene
 Concen: 1.258 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion:105 Resp: 12073
 Ion Ratio Lower Upper
 105 100
 120 41.2 22.7 68.1



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





#85

sec-Butylbenzene

Concen: 1.351 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampled :

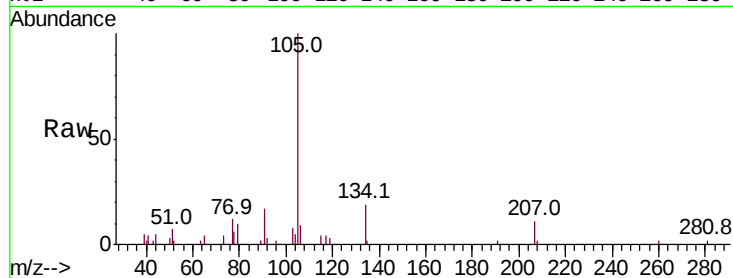
VSTDIC001

Tot Ion:105 Resp: 14689

Ion Ratio Lower Upper

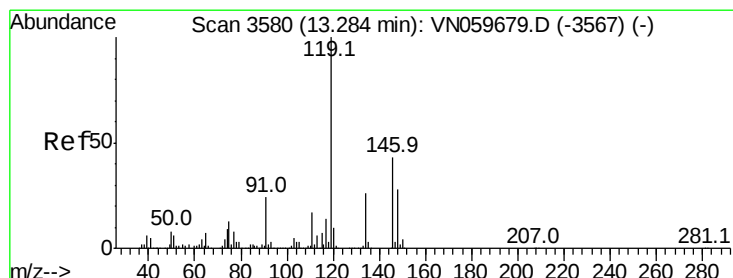
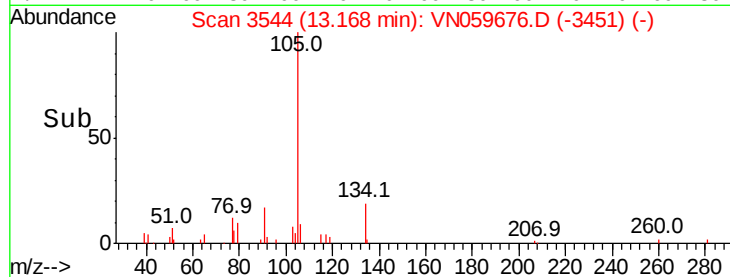
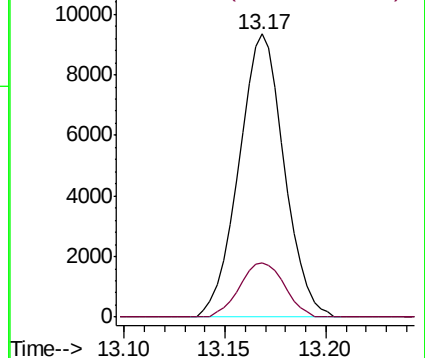
105 100

134 19.0 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.234 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

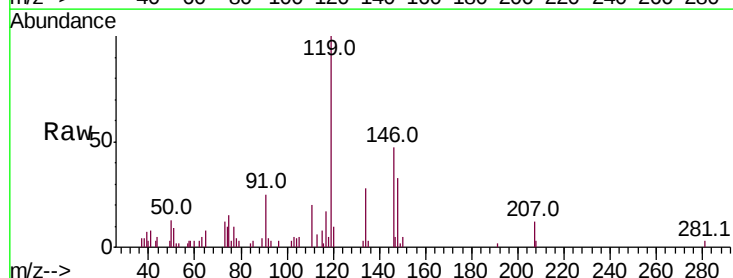
Tgt Ion:119 Resp: 12155

Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

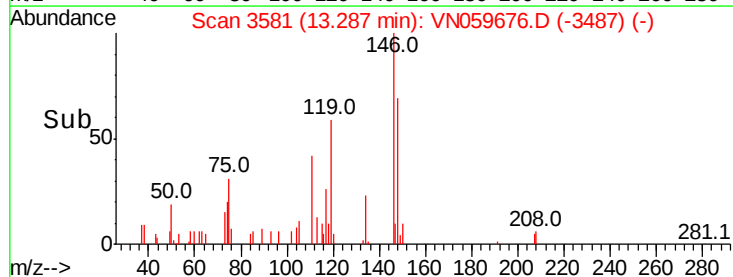
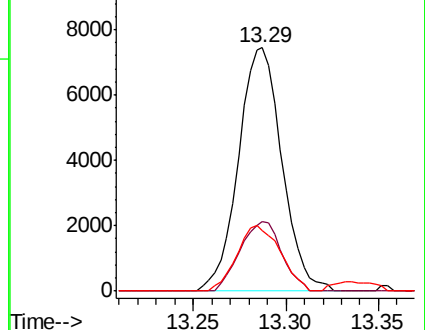
91 26.9 11.8 35.3

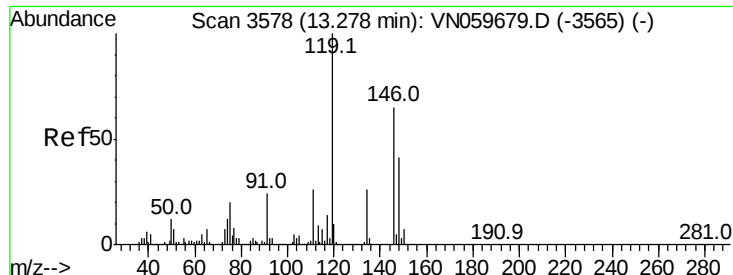


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.377 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

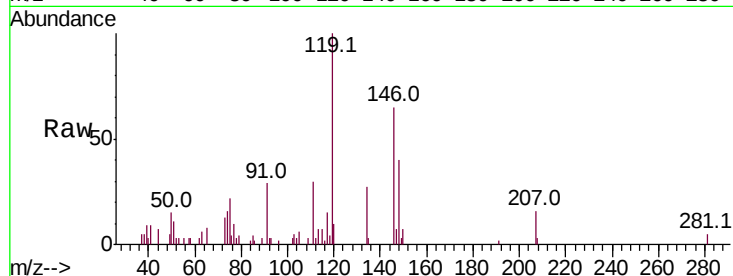
Tot Ion:146 Resp: 7126

Ion Ratio Lower Upper

146 100

111 45.6 20.6 61.8

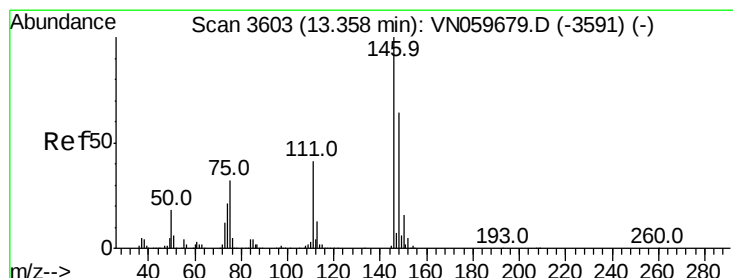
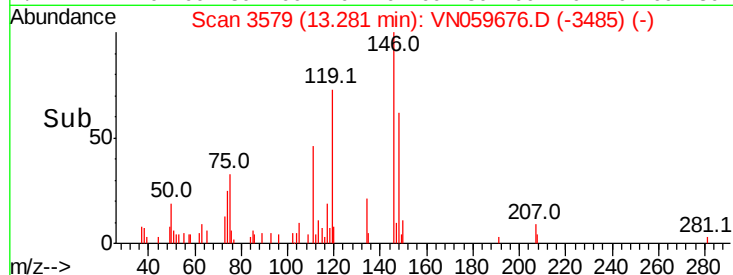
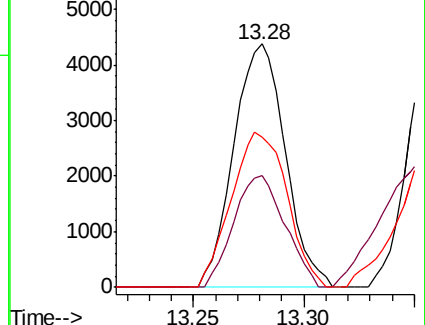
148 68.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.353 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

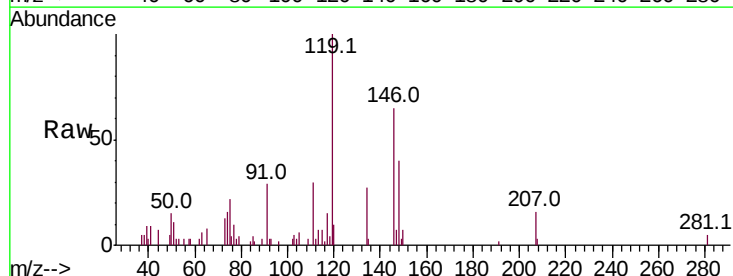
Tgt Ion:146 Resp: 7126

Ion Ratio Lower Upper

146 100

111 45.6 20.6 61.8

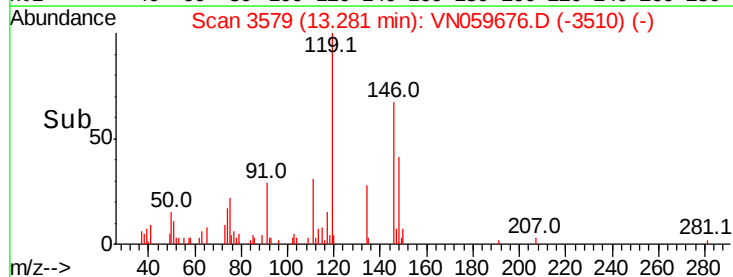
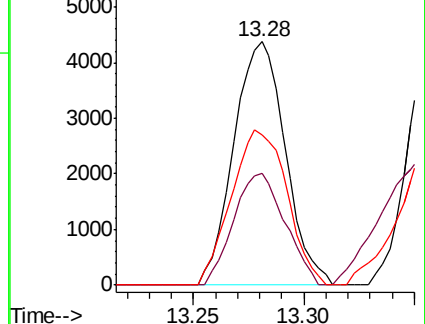
148 68.7 32.3 96.9

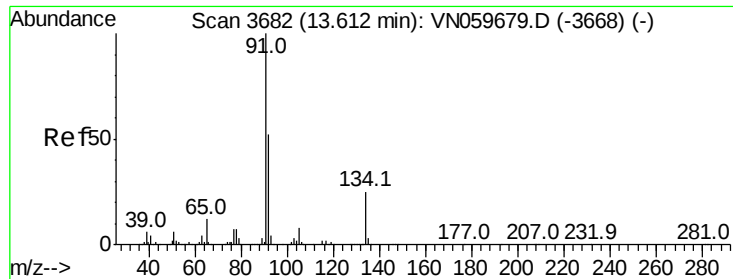


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.409 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

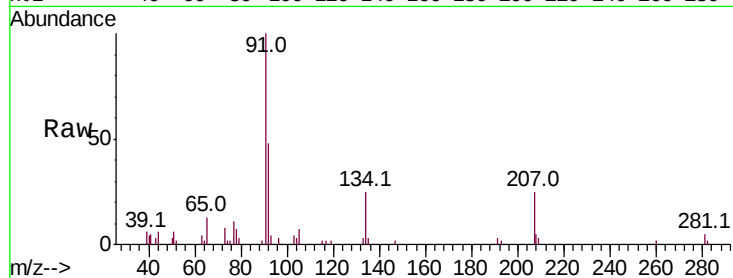
Tot Ion: 91 Resp: 12975

Ion Ratio Lower Upper

91 100

92 48.3 26.0 78.0

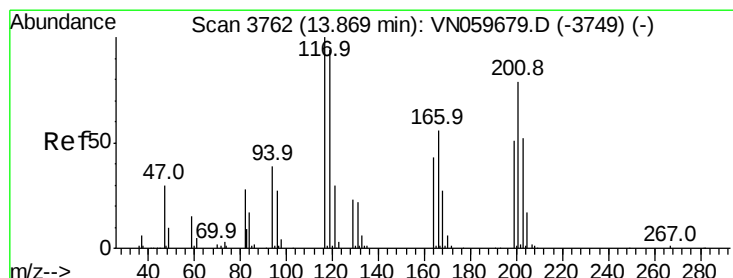
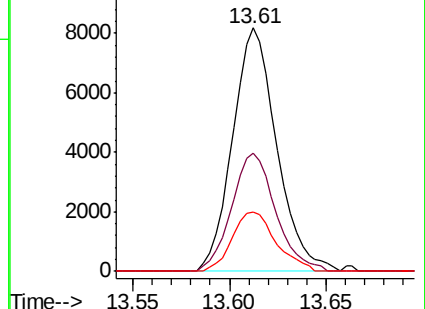
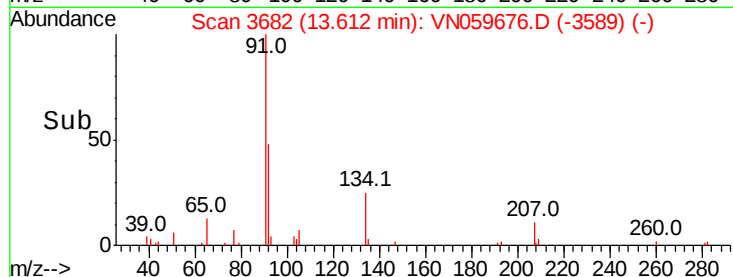
134 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN059679.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059679.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059679.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.668 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059676.D

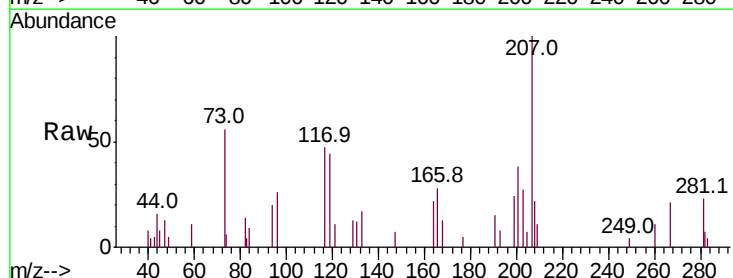
Acq: 20 Dec 2019 13:25

Tgt Ion: 117 Resp: 3111

Ion Ratio Lower Upper

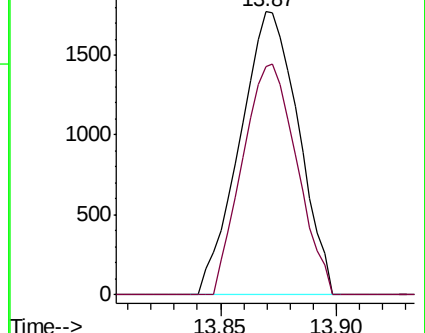
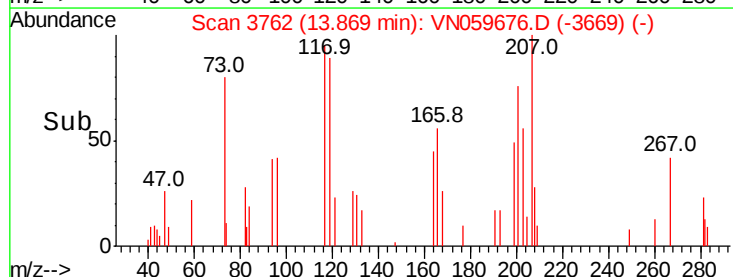
117 100

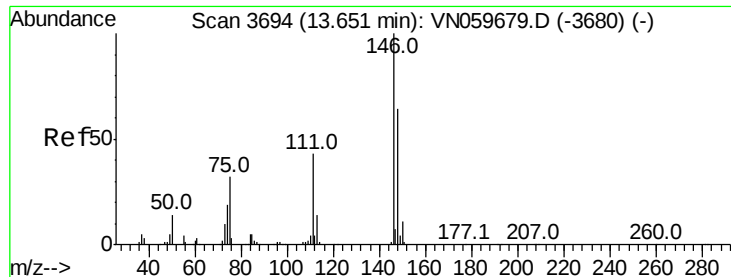
201 75.6 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN059679.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059679.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 1.620 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

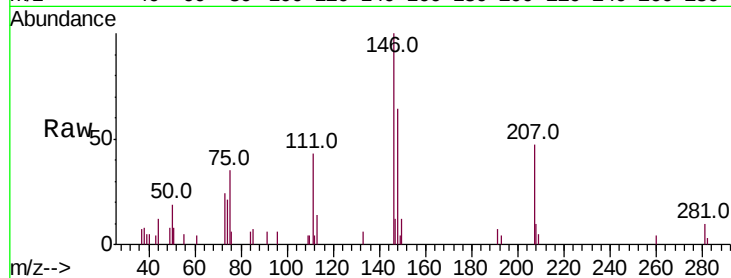
Tot Ion:146 Resp: 8296

Ion Ratio Lower Upper

146 100

111 40.2 21.6 65.0

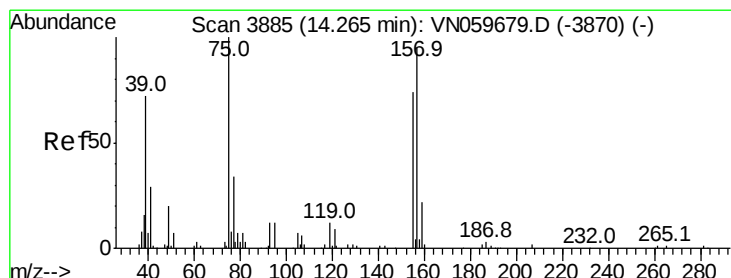
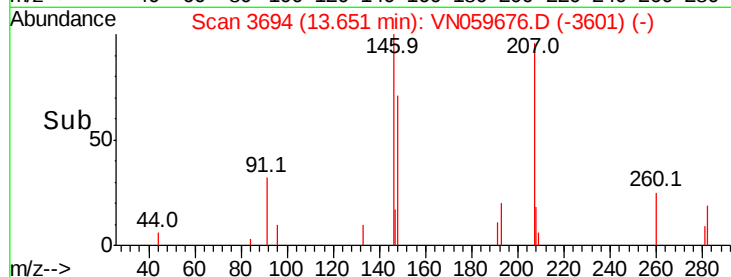
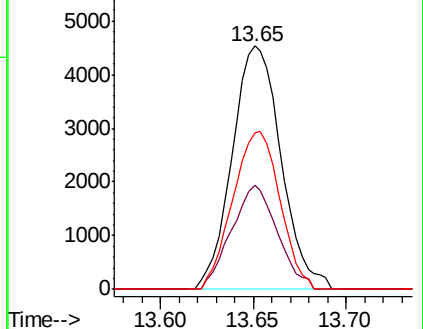
148 62.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.291 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

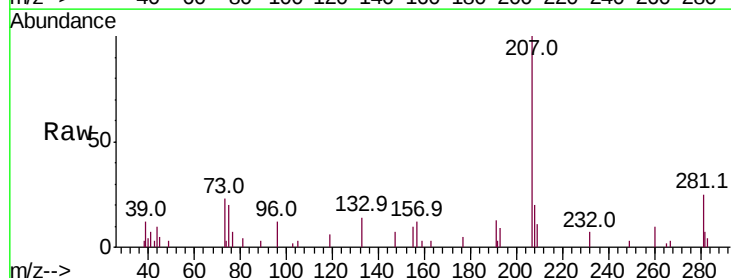
Tgt Ion: 75 Resp: 2467

Ion Ratio Lower Upper

75 100

155 39.8 36.0 108.1

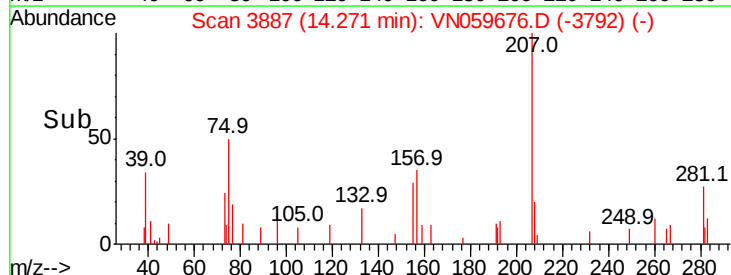
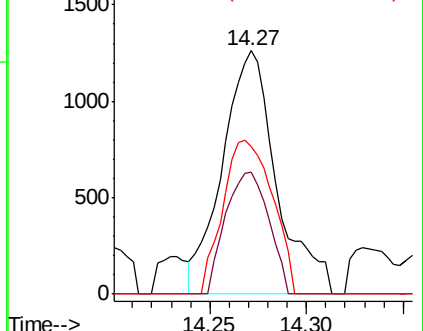
157 57.6 45.9 137.6

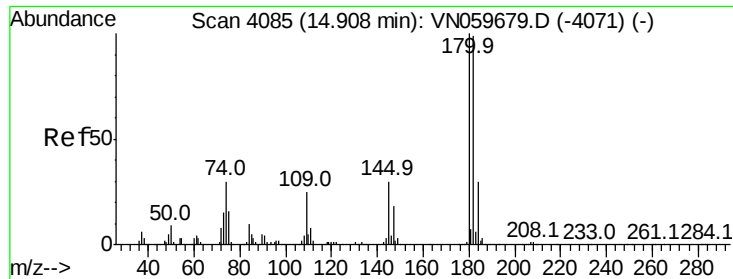


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

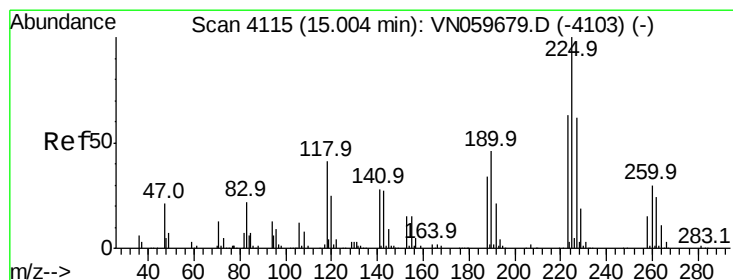
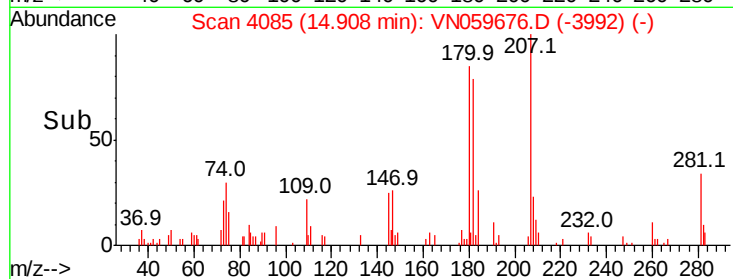
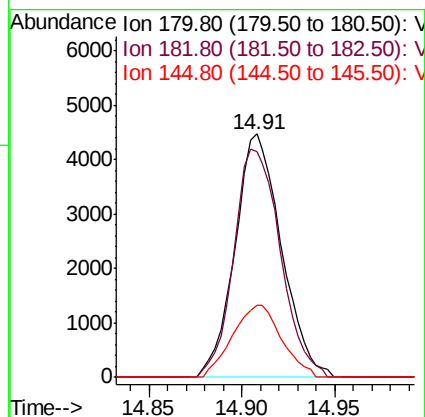
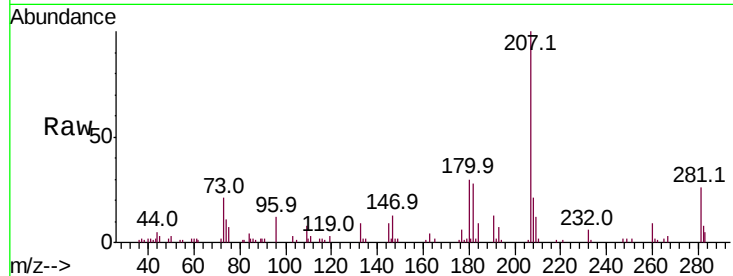




#93
 1,2,4-Trichlorobenzene
 Concen: 2.351 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

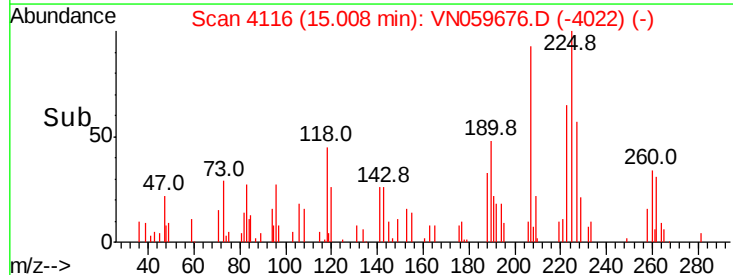
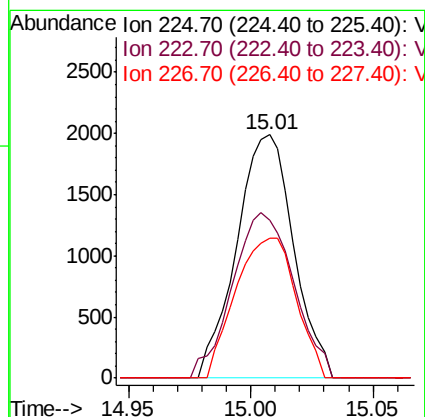
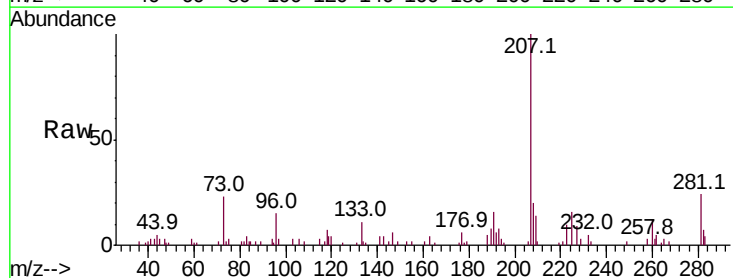
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

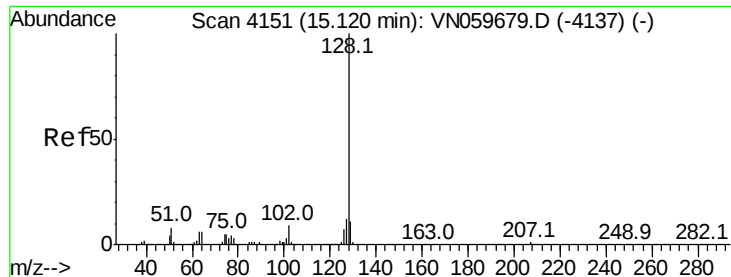
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.9	146.6
145	31.3	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 1.790 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059676.D
 Acq: 20 Dec 2019 13:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	73.1	32.0	96.2
227	61.2	31.7	95.1





#95

Naphthalene

Concen: 2.884 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

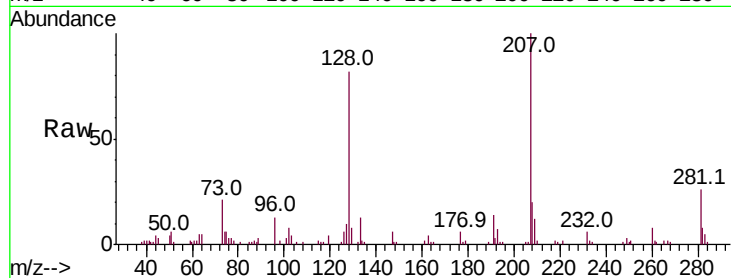
Tot Ion:128 Resp: 28381

Ion Ratio Lower Upper

128 100

127 11.3 10.0 15.0

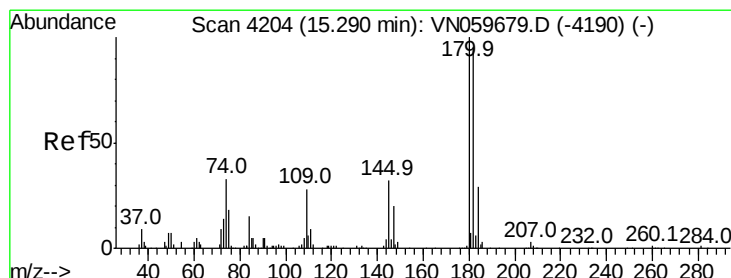
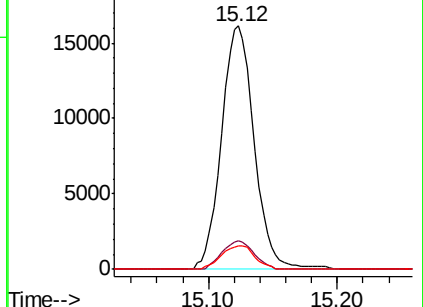
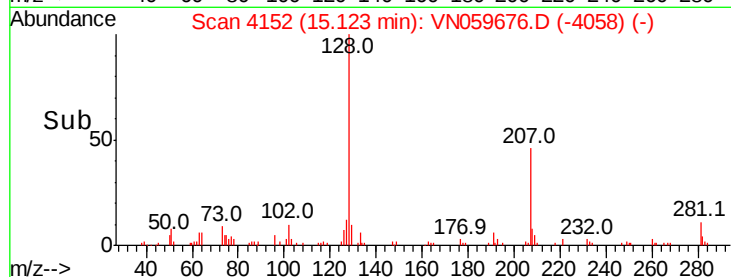
129 10.0 8.6 13.0



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: 2.671 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN059676.D

Acq: 20 Dec 2019 13:25

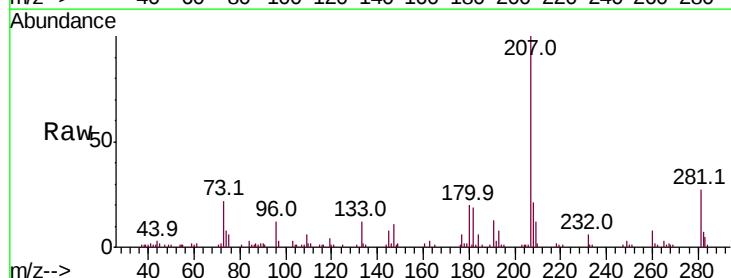
Tgt Ion:180 Resp: 8804

Ion Ratio Lower Upper

180 100

182 89.4 47.3 142.0

145 42.9 16.4 49.4



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

