

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059326.D
 Acq On : 20 Nov 2019 16:43
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Quant Time: Nov 21 06:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	391089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	615066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	554623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260517	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	221755	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	7.57	113	177955	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.08	98	720462	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	257006	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	252466	50.425	ug/l	100
3) Chloromethane	2.04	50	300920	49.060	ug/l	99
4) Vinyl Chloride	2.17	62	320881	50.812	ug/l	100
5) Bromomethane	2.54	94	174062	49.951	ug/l	99
6) Chloroethane	2.68	64	161962	46.993	ug/l	100
7) Trichlorofluoromethane	3.00	101	319685	47.010	ug/l	98
8) Diethyl Ether	3.38	74	136871	49.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	202684	48.742	ug/l	100
10) Methyl Iodide	3.93	142	264664	51.212	ug/l	100
11) Tert butyl alcohol	4.74	59	222261	236.576	ug/l	100
12) 1,1-Dichloroethene	3.71	96	202320	47.933	ug/l	97
13) Acrolein	3.58	56	178710	208.382	ug/l	100
14) Allyl chloride	4.29	41	348609	44.210	ug/l	93
15) Acrylonitrile	4.95	53	583424	234.871	ug/l	99
16) Acetone	3.78	43	649753	308.818	ug/l	99
17) Carbon Disulfide	4.03	76	641729	48.515	ug/l	99
18) Methyl Acetate	4.29	43	332390	47.603	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	682571	50.067	ug/l	100
20) Methylene Chloride	4.52	84	228022	48.053	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	217730	48.672	ug/l	98
22) Diisopropyl ether	5.92	45	748531	50.418	ug/l	99
23) Vinyl Acetate	5.86	43	2932739	251.202	ug/l	100
24) 1,1-Dichloroethane	5.82	63	412889	49.409	ug/l	99
25) 2-Butanone	6.80	43	853724	260.942	ug/l	100
26) 2,2-Dichloropropane	6.80	77	356461	49.263	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	245429	48.627	ug/l	99
28) Bromochloromethane	7.17	49	143153	42.429	ug/l	99
29) Tetrahydrofuran	7.18	42	531583	234.979	ug/l	100
30) Chloroform	7.35	83	387485	47.778	ug/l	99
31) Cyclohexane	7.63	56	399851	48.393	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	338808	48.627	ug/l	100
36) 1,1-Dichloropropene	7.77	75	316597	49.861	ug/l	100
37) Ethyl Acetate	6.90	43	321478	47.109	ug/l	99
38) Carbon Tetrachloride	7.75	117	299401	49.255	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	389150	50.824	ug/l	99
40) Benzene	8.02	78	927949	49.793	ug/l	100
41) Methacrylonitrile	7.18	41	462590	152.700	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	302499	49.079	ug/l	100
43) Isopropyl Acetate	8.14	43	517259	49.598	ug/l	100
44) Trichloroethene	8.82	130	236449	50.062	ug/l	100
45) 1,2-Dichloropropane	9.10	63	248872	50.080	ug/l	96
46) Dibromomethane	9.19	93	150722	49.447	ug/l	100
47) Bromodichloromethane	9.39	83	308190	50.485	ug/l	100
48) Methyl methacrylate	9.18	41	233745	49.286	ug/l	98
49) 1,4-Dioxane	9.18	88	79283	1112.307	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1581824	259.127	ug/l	99
52) Toluene	10.15	92	569883	50.856	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	360698	50.828	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	393810	51.141	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	219097	50.288	ug/l	99
56) Ethyl methacrylate	10.42	69	348263	47.446	ug/l	99
57) 1,3-Dichloropropane	10.70	76	379030	49.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	265882	112.255	ug/l	99
59) 2-Hexanone	10.74	43	1205752	269.747	ug/l	99
60) Dibromochloromethane	10.90	129	237395	51.707	ug/l	99
61) 1,2-Dibromoethane	11.00	107	227279	50.135	ug/l	99
64) Tetrachloroethene	10.63	164	214990	50.120	ug/l	97
65) Chlorobenzene	11.43	112	595732	49.954	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	216817	50.046	ug/l	99
67) Ethyl Benzene	11.51	91	1087794	51.087	ug/l	99
68) m/p-Xylenes	11.62	106	811876	102.612	ug/l	99
69) o-Xylene	11.95	106	386702	51.052	ug/l	100
70) Styrene	11.96	104	632594	52.928	ug/l	100
71) Bromoform	12.13	173	168601	51.386	ug/l	100
73) Isopropylbenzene	12.25	105	1045955	49.011	ug/l	100
74) N-amyl acetate	12.07	43	429615	50.090	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	324950	46.029	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	438668	72.885	ug/l #	100
77) Bromobenzene	12.53	156	247542	47.822	ug/l	99
78) n-propylbenzene	12.59	91	1225639	50.701	ug/l	100
79) 2-Chlorotoluene	12.67	91	710834	47.906	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	883518	49.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118344	49.181	ug/l	98
82) 4-Chlorotoluene	12.77	91	737454	48.028	ug/l	99
83) tert-Butylbenzene	12.99	119	744680	49.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	873976	49.732	ug/l	99
85) sec-Butylbenzene	13.17	105	1010519	49.621	ug/l	99
86) p-Isopropyltoluene	13.29	119	920836	50.814	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	443179	48.076	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	439037	48.137	ug/l	99
89) n-Butylbenzene	13.62	91	808573	50.864	ug/l	99
90) Hexachloroethane	13.88	117	165226	48.144	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	427387	47.920	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64080	42.694	ug/l	99

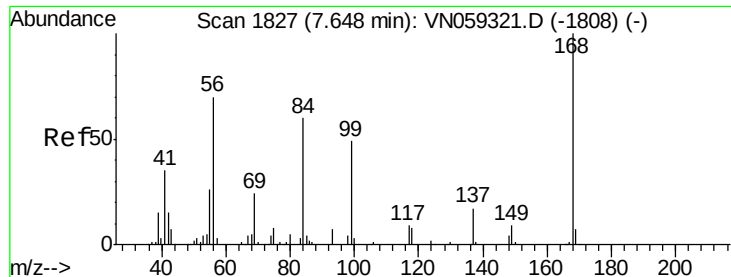
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251392	45.594	ug/l	99
94) Hexachlorobutadiene	15.01	225	149042	46.383	ug/l	99
95) Naphthalene	15.13	128	654988	43.110	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	241964	44.653	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

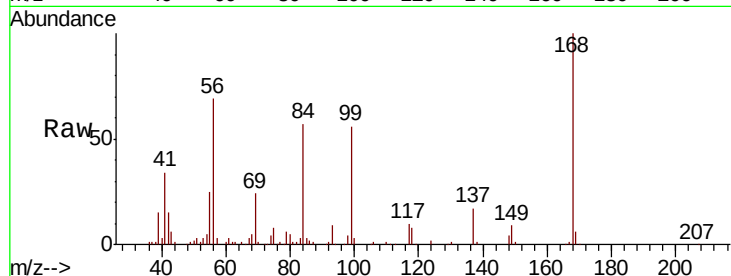
ICVFN112019

Tot Ion:168 Resp: 391089

Ion Ratio Lower Upper

168 100

99 55.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

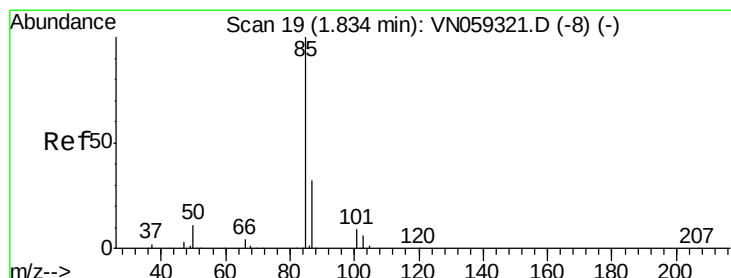
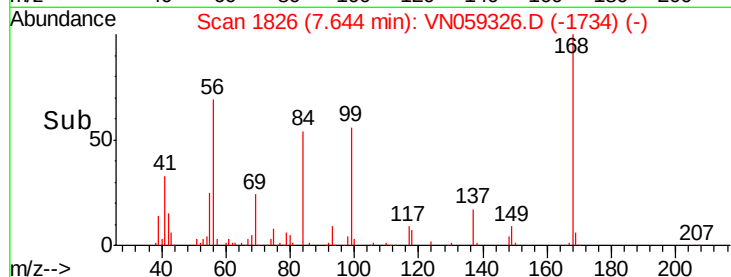
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.425 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059326.D

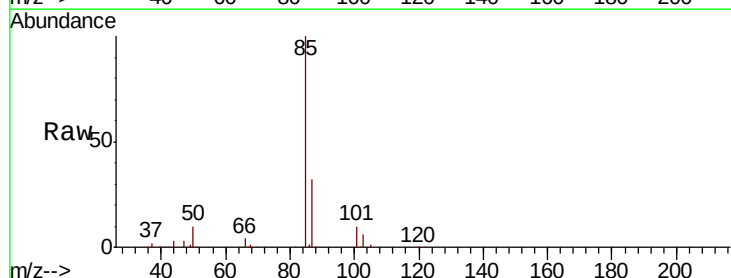
Acq: 20 Nov 2019 16:43

Tgt Ion: 85 Resp: 252466

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN059321.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059321.D (-8) (-)

1.83

200000

150000

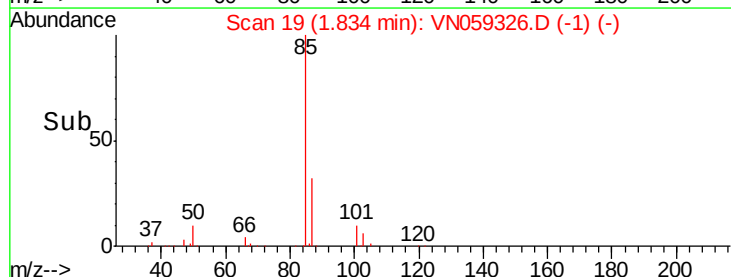
100000

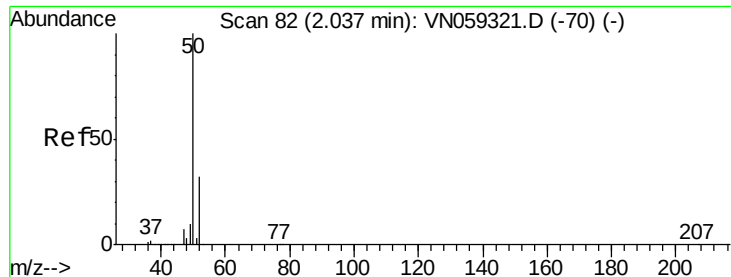
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 49.060 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

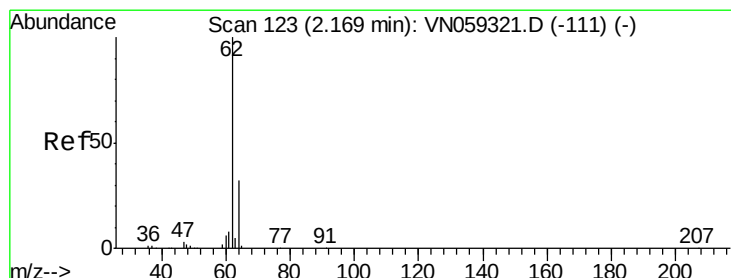
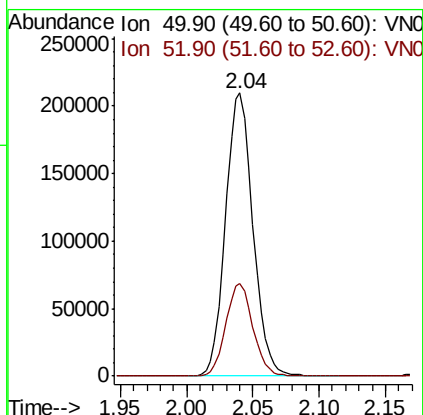
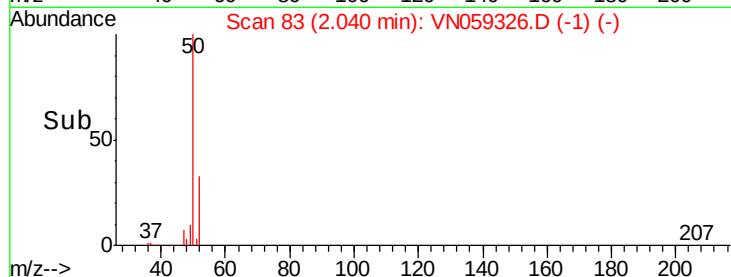
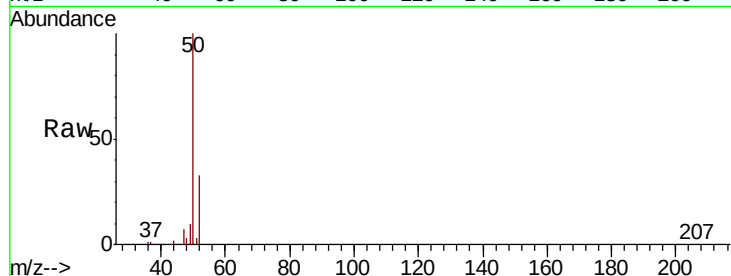
ICVVN112019

Tot Ion: 50 Resp: 300920

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 50.812 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059326.D

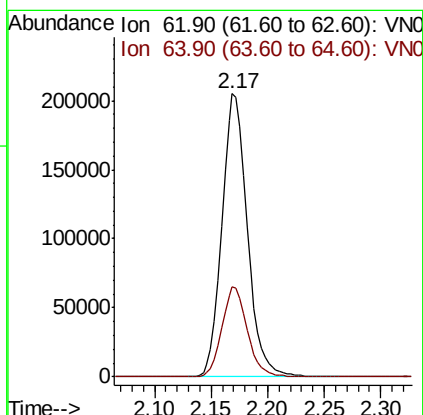
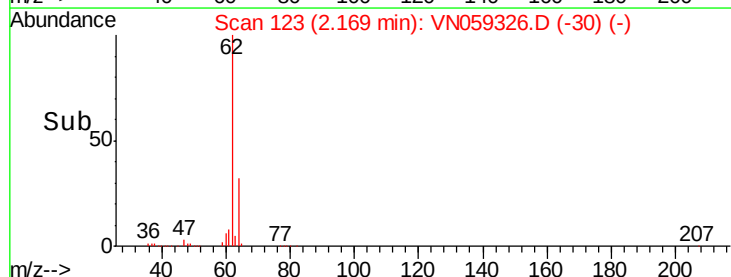
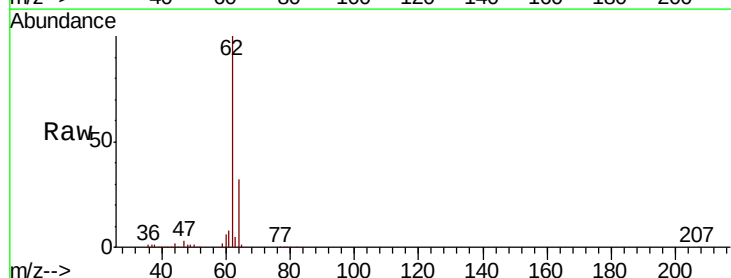
Acq: 20 Nov 2019 16:43

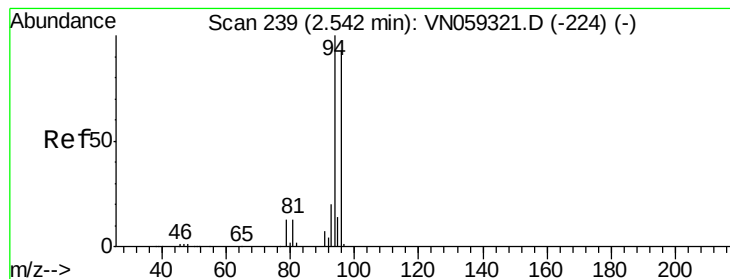
Tgt Ion: 62 Resp: 320881

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 49.951 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

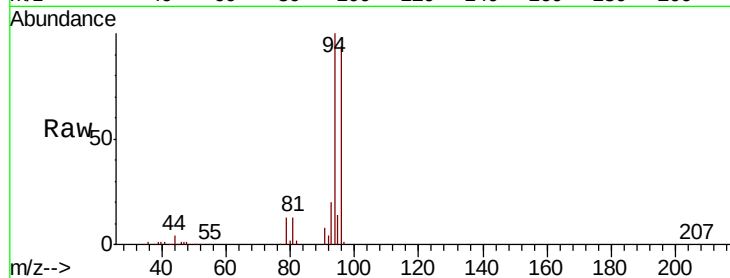
ICVVN112019

Tot Ion: 94 Resp: 174062

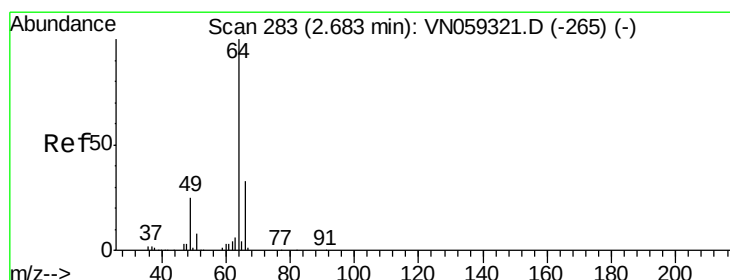
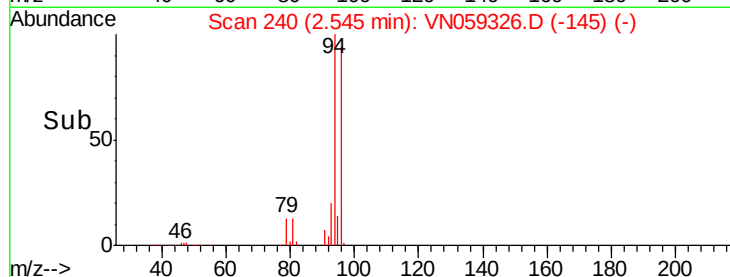
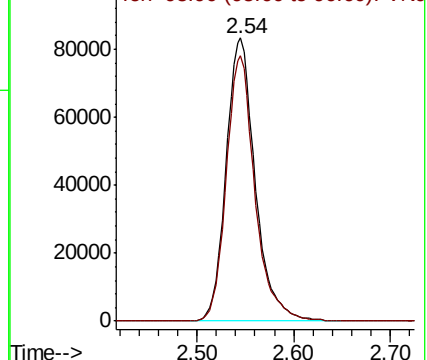
Ion Ratio Lower Upper

94 100

96 93.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.993 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059326.D

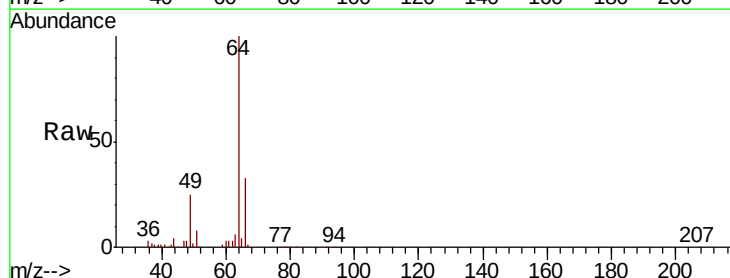
Acq: 20 Nov 2019 16:43

Tgt Ion: 64 Resp: 161962

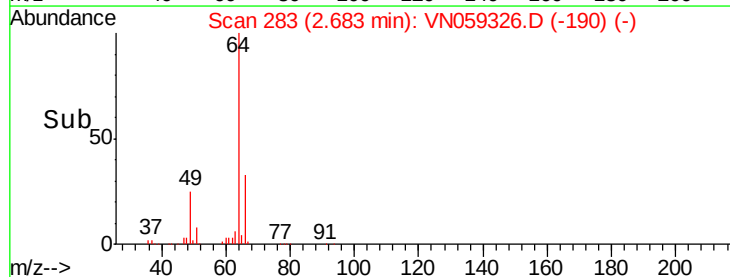
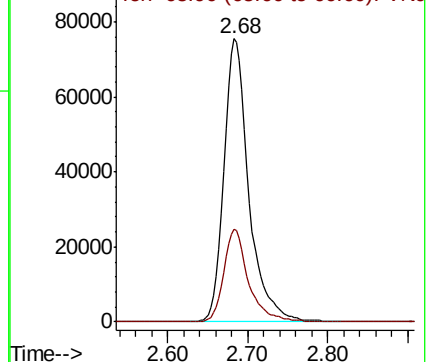
Ion Ratio Lower Upper

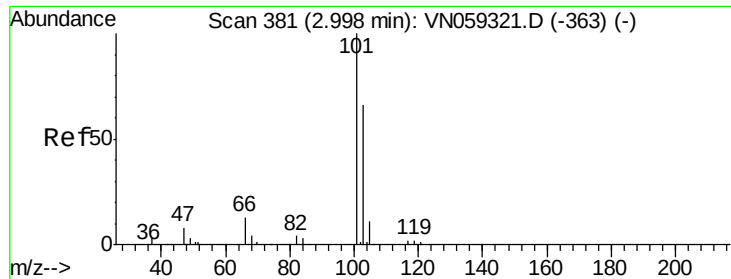
64 100

66 32.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



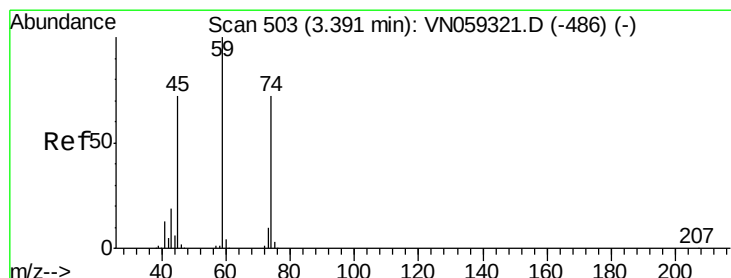
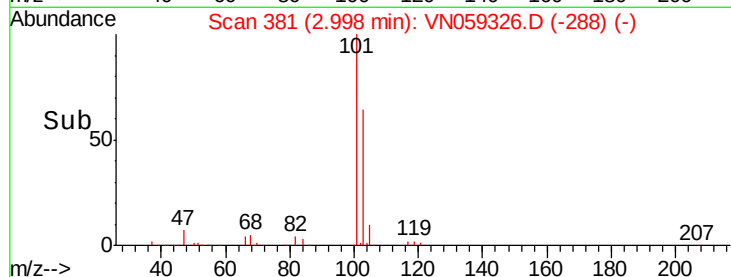
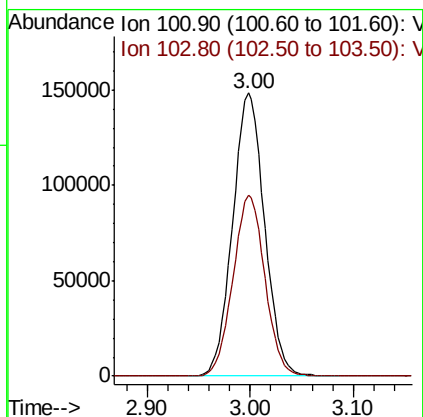
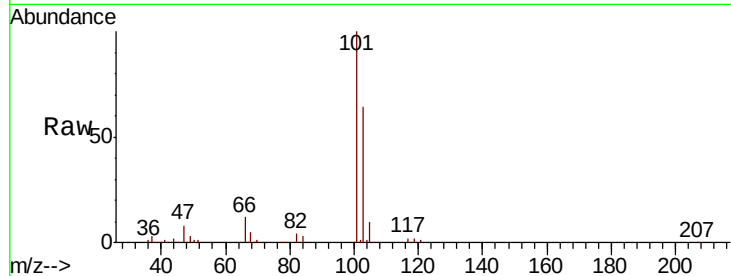


#7

Trichlorofluoromethane
 Concen: 47.010 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Instrument :
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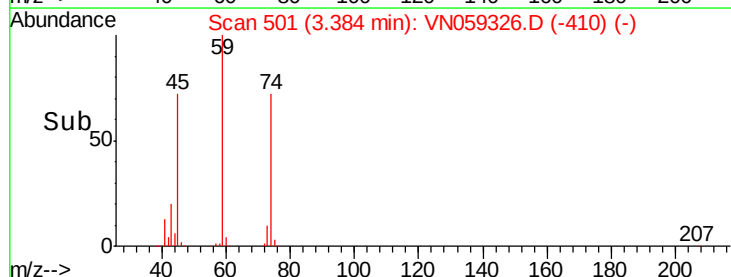
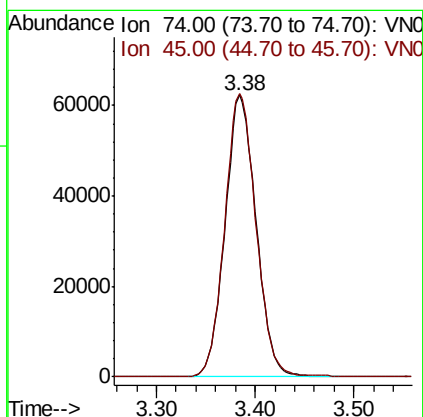
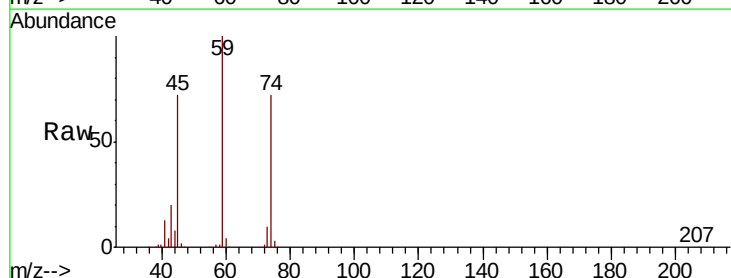
Tot Ion:101 Resp: 319685
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.5 78.7

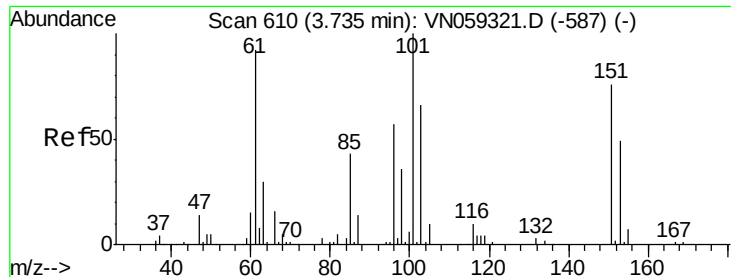


#8

Diethyl Ether
 Concen: 49.232 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion: 74 Resp: 136871
 Ion Ratio Lower Upper
 74 100
 45 101.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.742 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

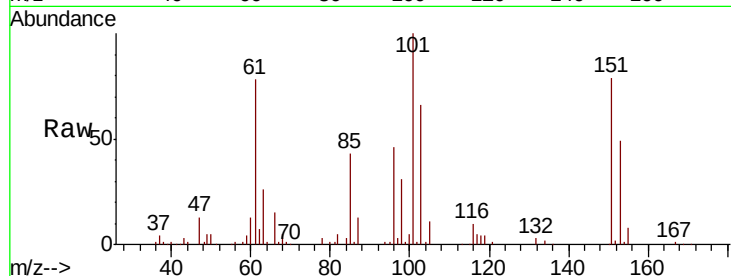
Tot Ion:101 Resp: 202684

Ion Ratio Lower Upper

101 100

85 43.6 34.8 52.2

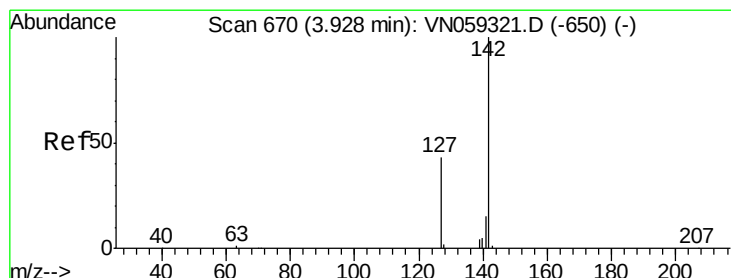
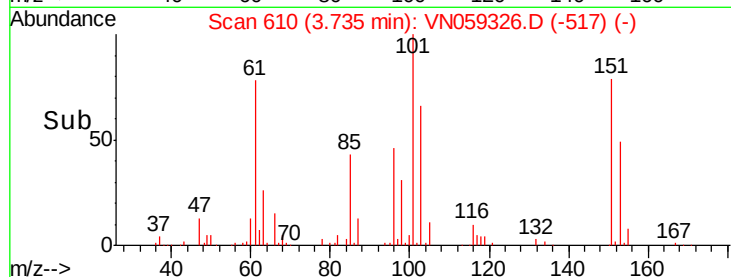
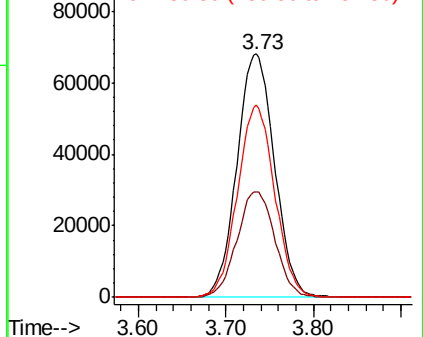
151 78.1 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.212 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

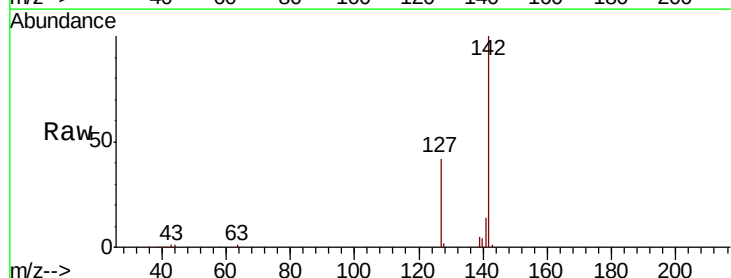
Tgt Ion:142 Resp: 264664

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.6

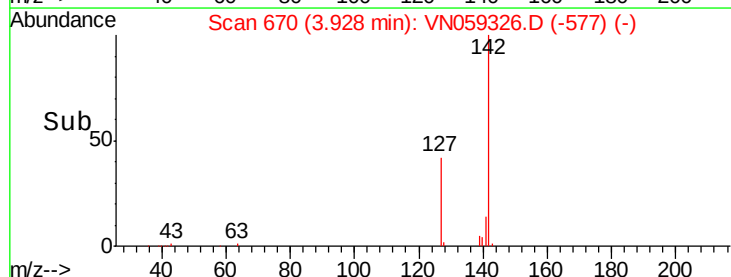
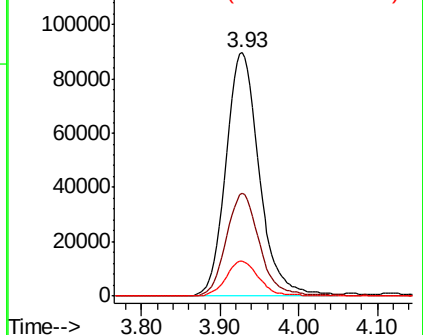
141 14.1 11.2 16.8

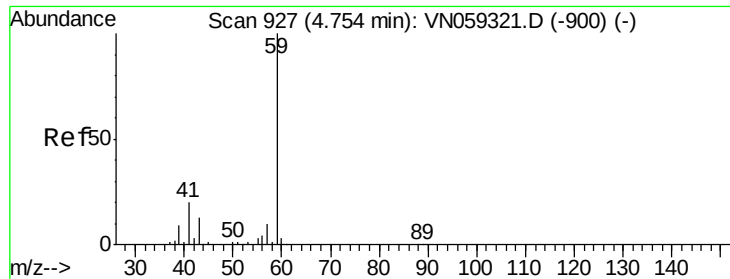


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

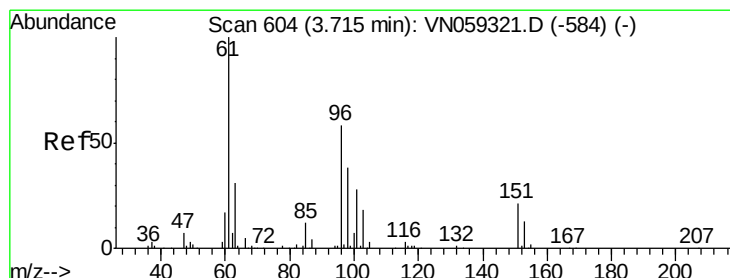
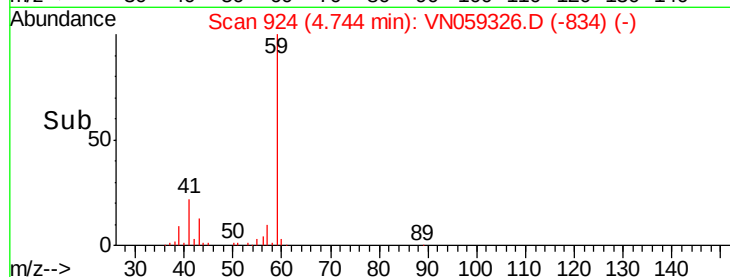
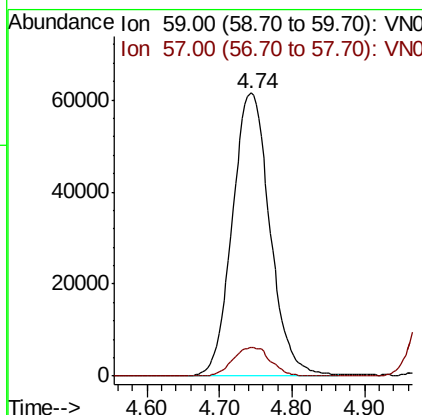
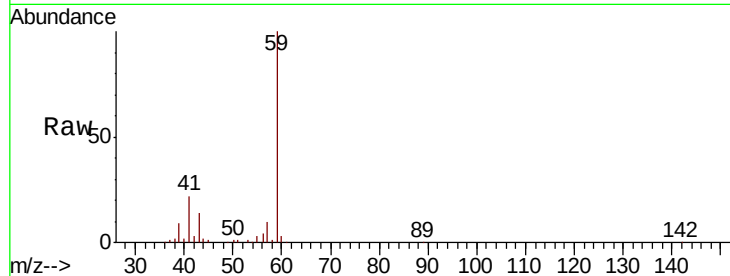




#11
Tert butyl alcohol
Concen: 236.576 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

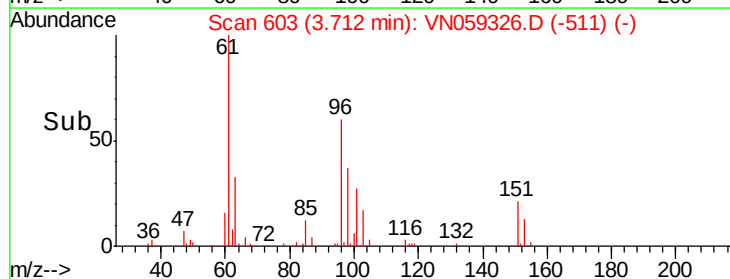
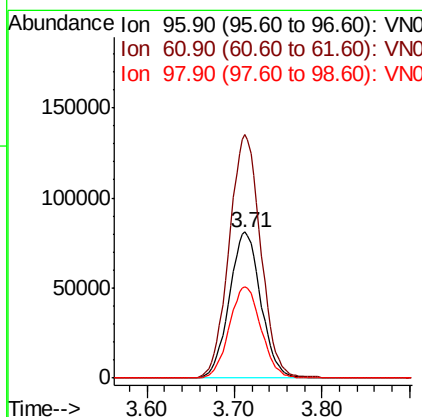
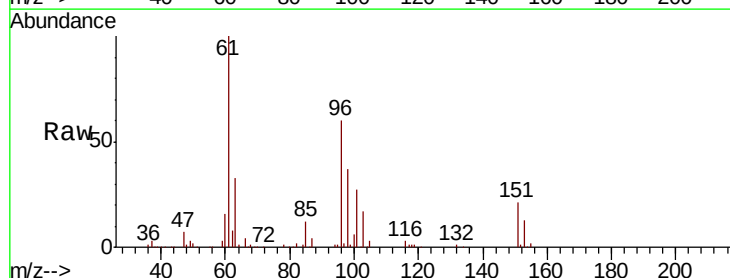
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

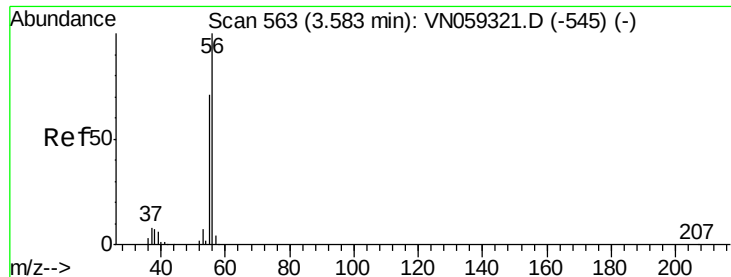
Tot Ion: 59 Resp: 222261
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.933 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 96 Resp: 202320
Ion Ratio Lower Upper
96 100
61 167.0 136.8 205.2
98 62.5 51.6 77.4





#13

Acrolein

Concen: 208.382 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

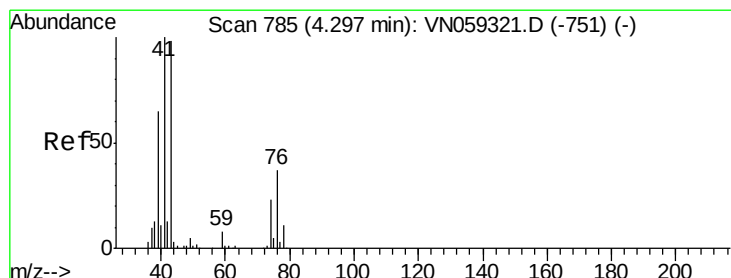
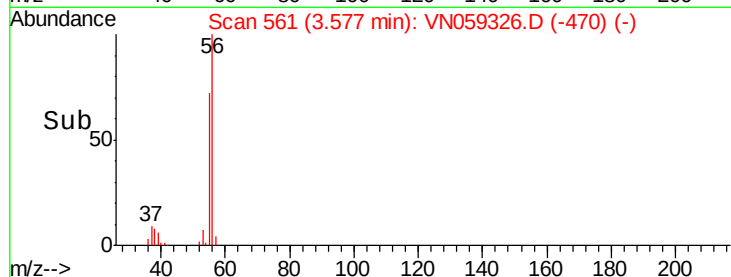
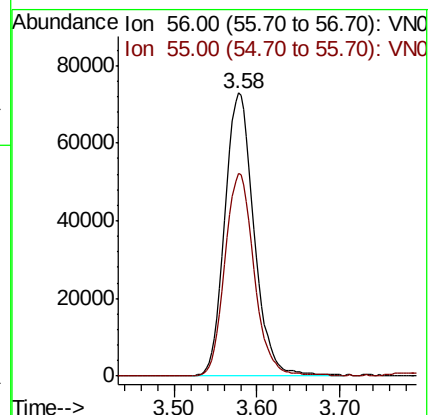
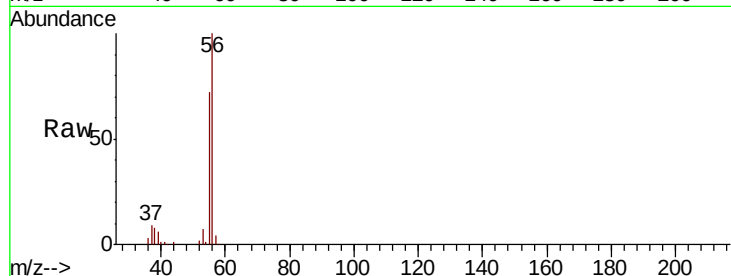
ICVVN112019

Tot Ion: 56 Resp: 178710

Ion Ratio Lower Upper

56 100

55 71.4 57.4 86.0



#14

Allyl chloride

Concen: 44.210 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

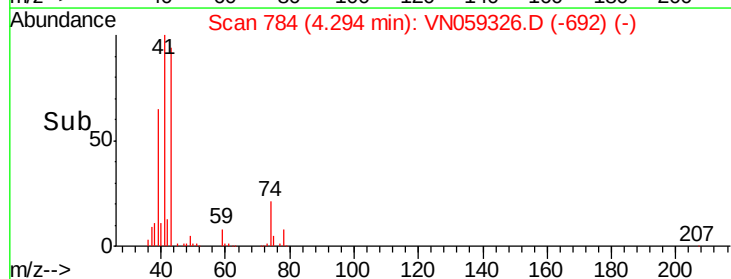
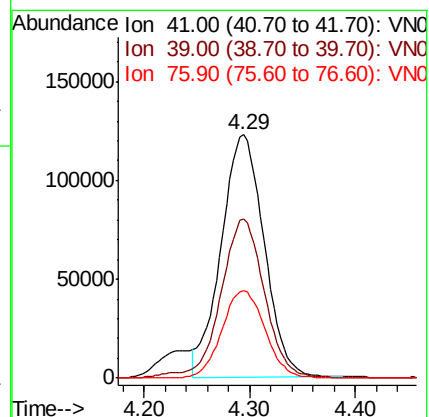
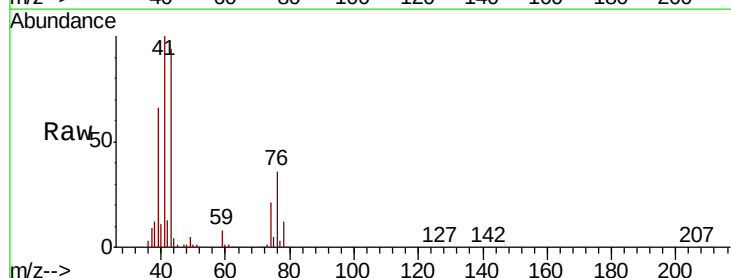
Tgt Ion: 41 Resp: 348609

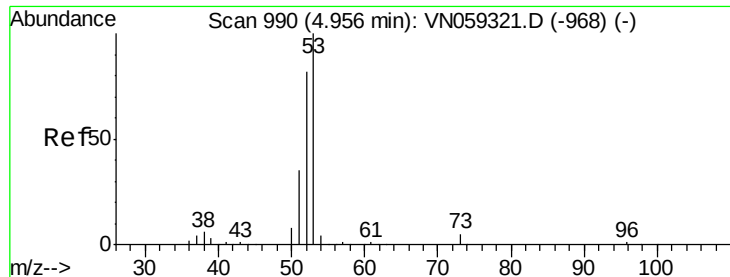
Ion Ratio Lower Upper

41 100

39 66.8 48.4 72.6

76 36.2 26.2 39.4





#15

Acrylonitrile

Concen: 234.871 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

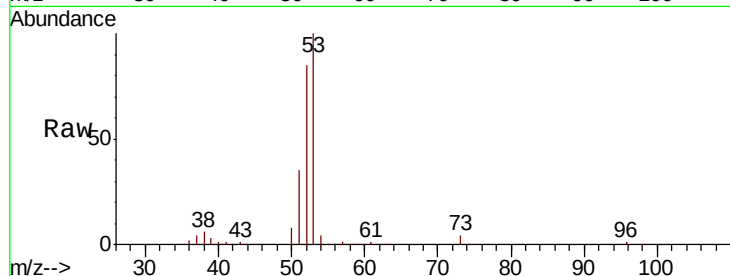
Tot Ion: 53 Resp: 583424

Ion Ratio Lower Upper

53 100

52 83.0 65.8 98.8

51 35.6 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059326.D (-987) (-)

Ion 52.00 (51.70 to 52.70): VN059326.D (-987) (-)

Ion 51.00 (50.70 to 51.70): VN059326.D (-987) (-)

4.95

200000

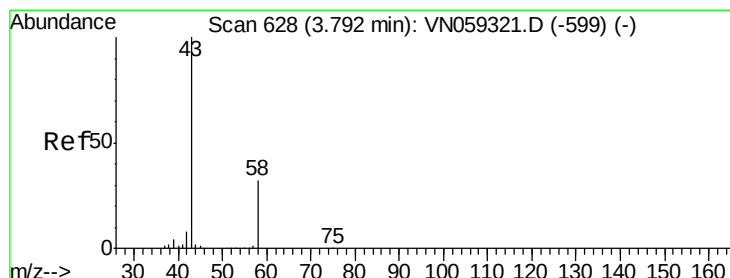
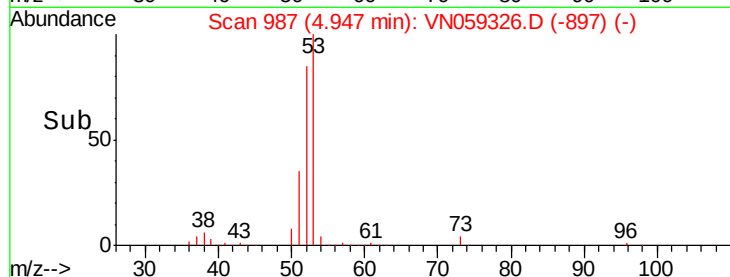
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 308.818 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN059326.D

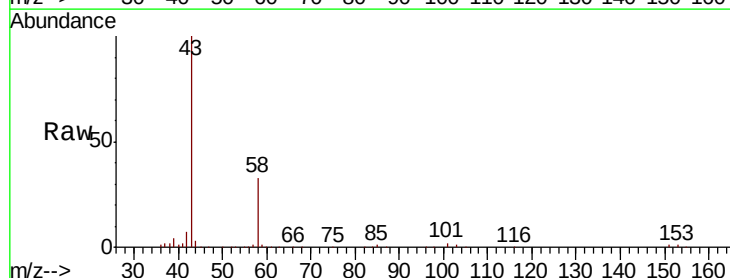
Acq: 20 Nov 2019 16:43

Tgt Ion: 43 Resp: 649753

Ion Ratio Lower Upper

43 100

58 32.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059326.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059326.D (-535) (-)

3.78

250000

200000

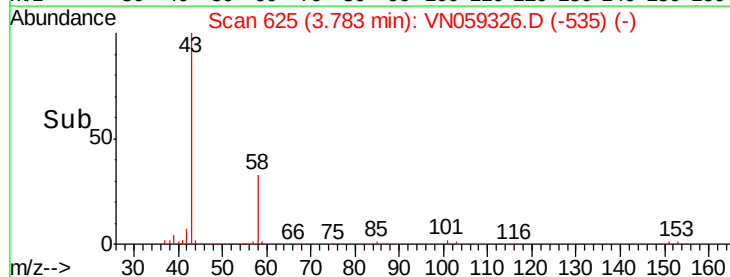
150000

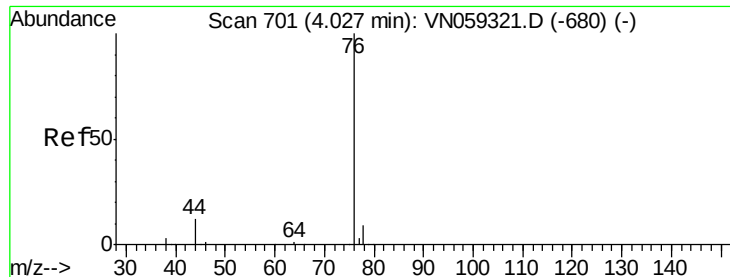
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 48.515 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampled :

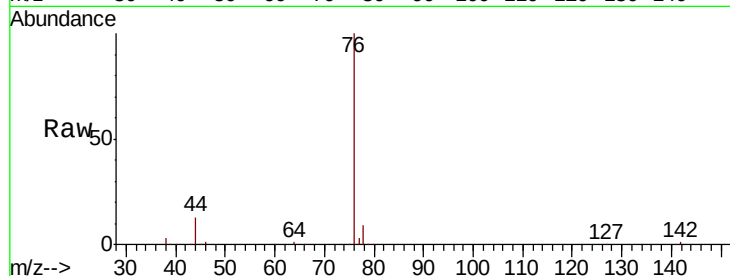
ICVVN112019

Tot Ion: 76 Resp: 641729

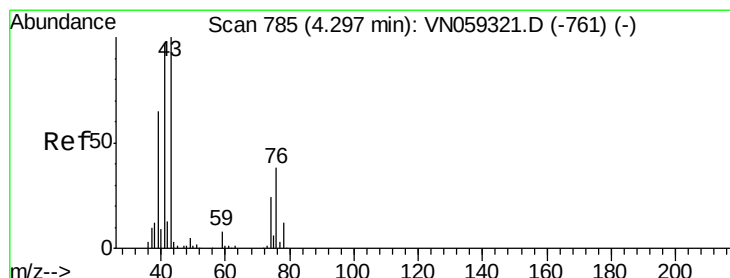
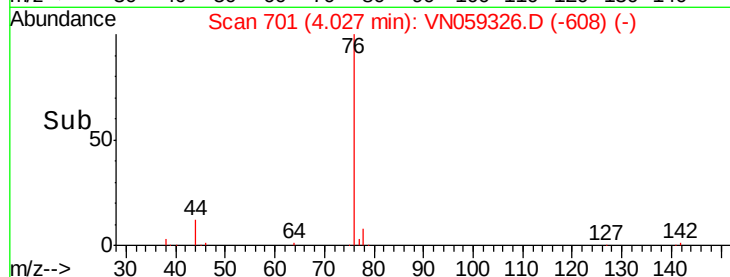
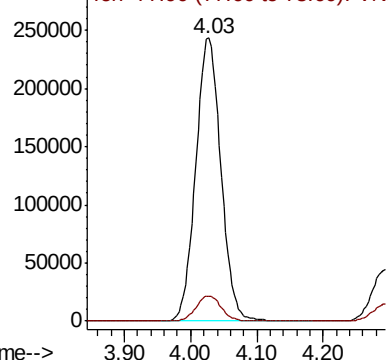
Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 47.603 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059326.D

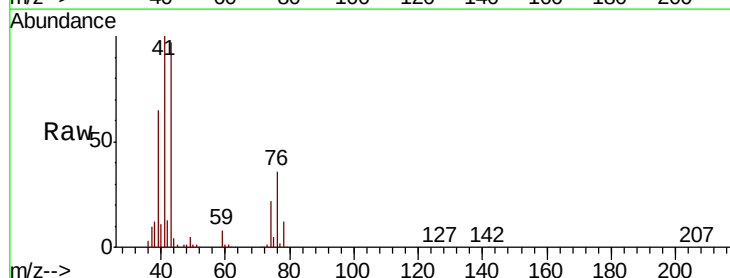
Acq: 20 Nov 2019 16:43

Tgt Ion: 43 Resp: 332390

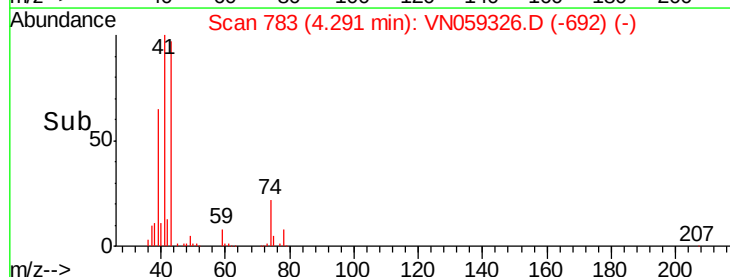
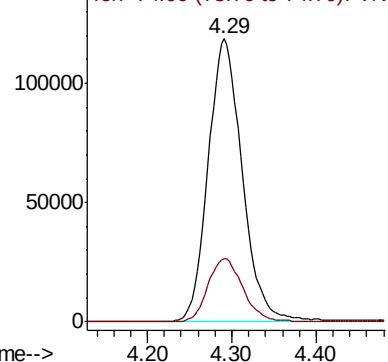
Ion Ratio Lower Upper

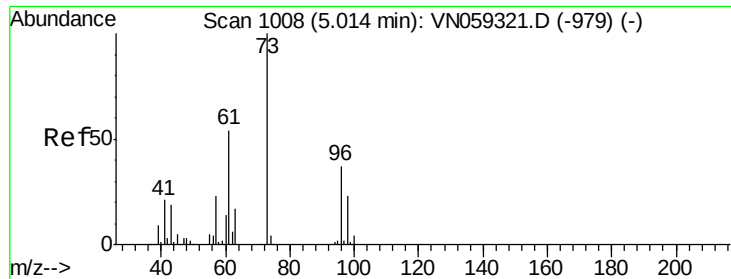
43 100

74 23.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

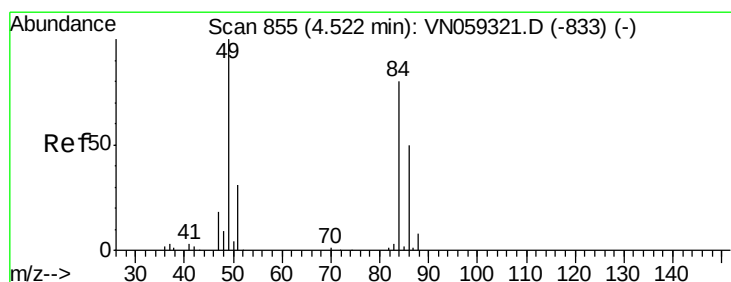
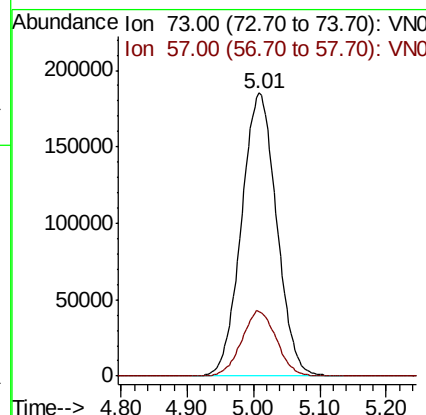
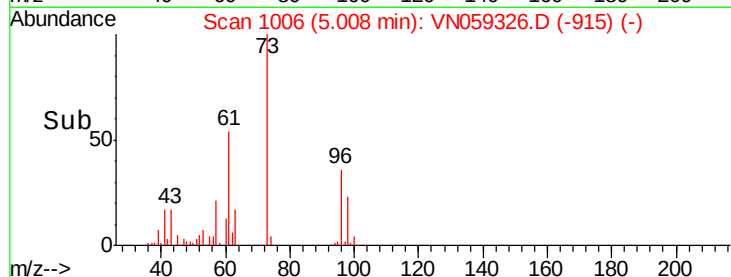
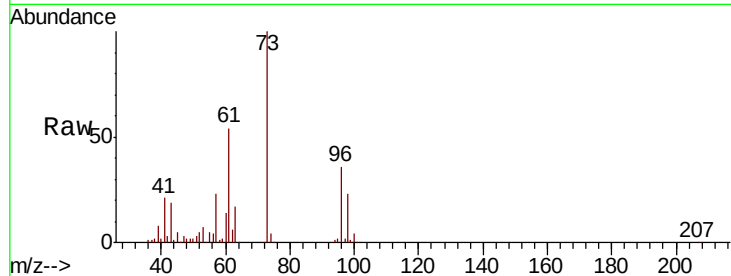




#19
Methyl tert-butyl Ether
Concen: 50.067 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

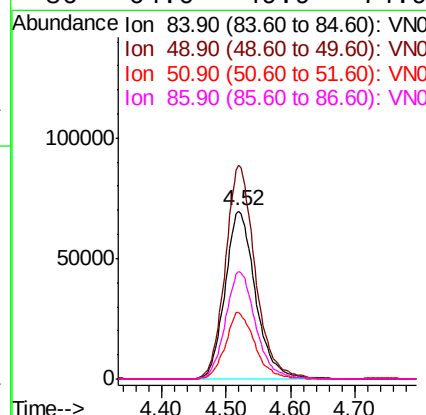
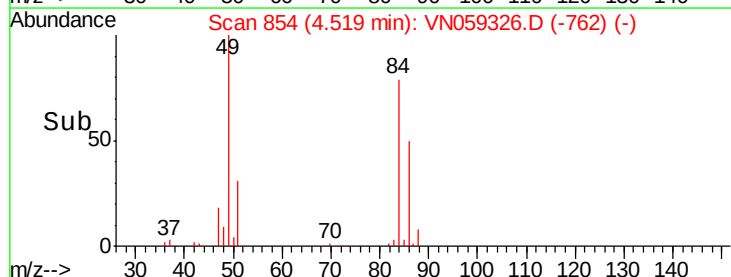
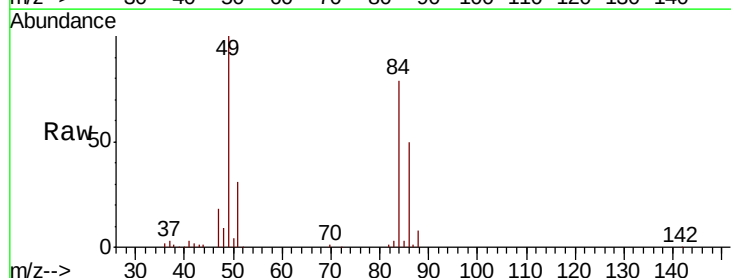
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

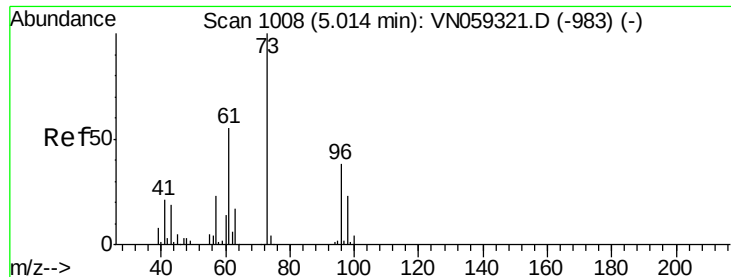
Tot Ion: 73 Resp: 682571
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 48.053 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 84 Resp: 228022
Ion Ratio Lower Upper
84 100
49 127.3 99.5 149.3
51 39.6 31.1 46.7
86 64.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.672 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

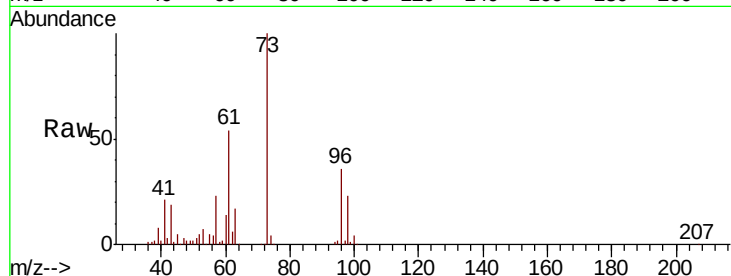
Tot Ion: 96 Resp: 217730

Ion Ratio Lower Upper

96 100

61 147.9 116.4 174.6

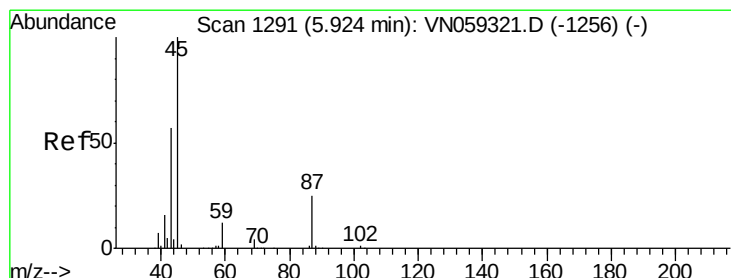
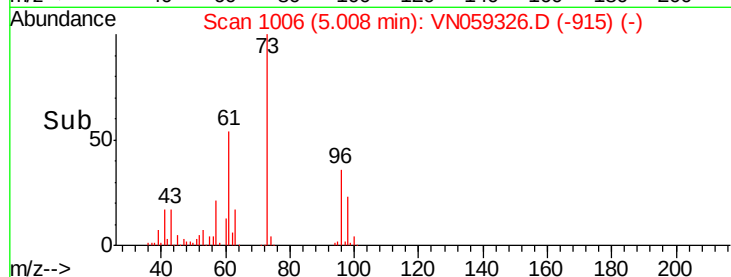
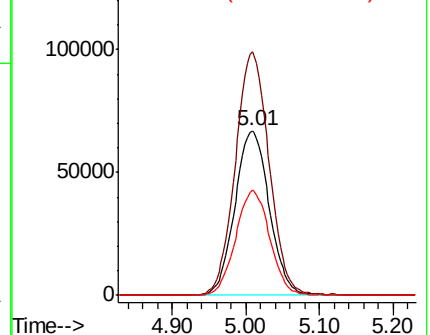
98 64.0 49.6 74.4



Abundance Ion 95.90 (95.60 to 96.60): VN059326.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN059326.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN059326.D (-915) (-)



#22

Diisopropyl ether

Concen: 50.418 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Tgt Ion: 45 Resp: 748531

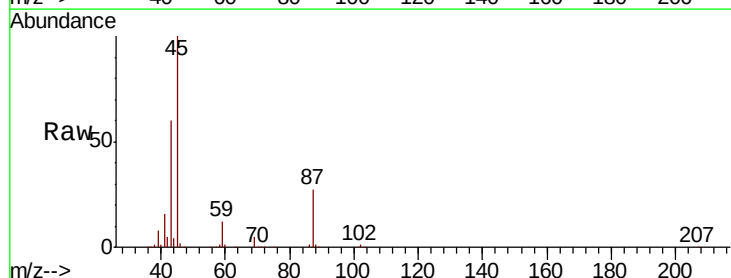
Ion Ratio Lower Upper

45 100

43 59.5 47.6 71.4

87 27.0 20.7 31.1

59 11.6 9.4 14.2

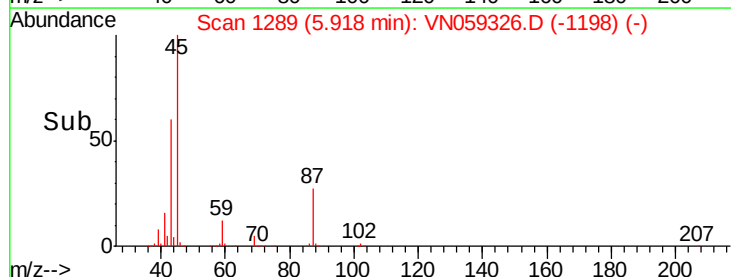
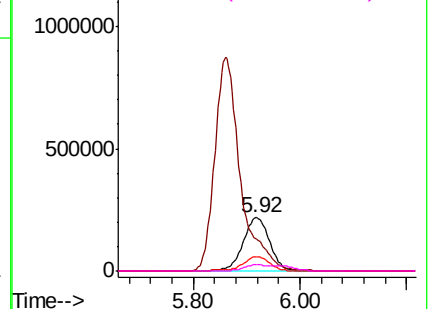


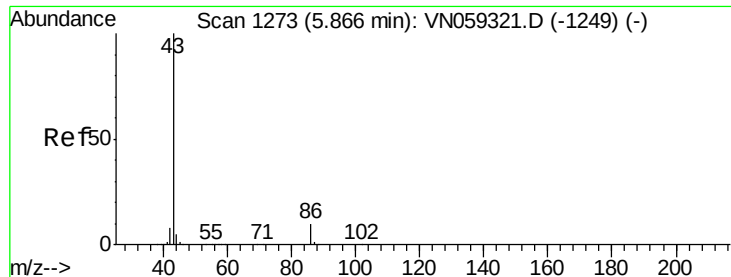
Abundance Ion 45.00 (44.70 to 45.70): VN059326.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059326.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059326.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059326.D (-1198) (-)





#23

Vinyl Acetate

Concen: 251.202 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

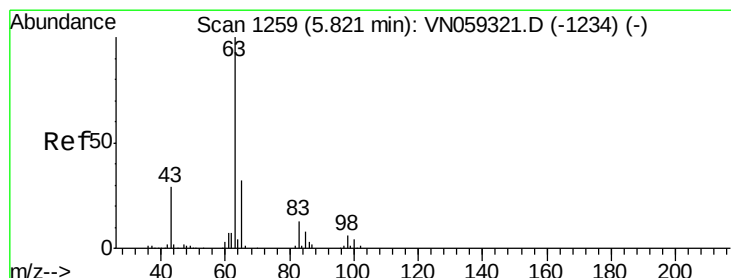
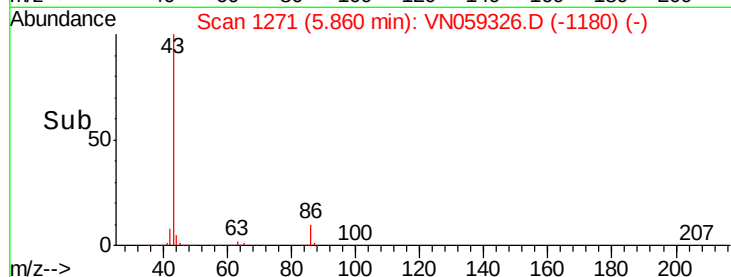
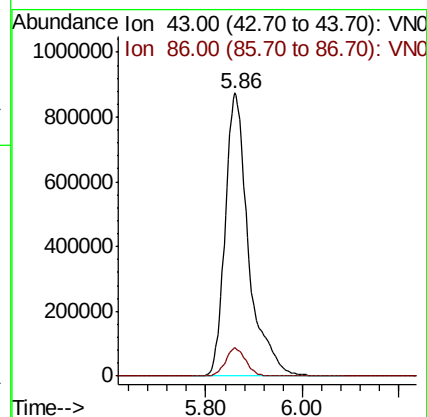
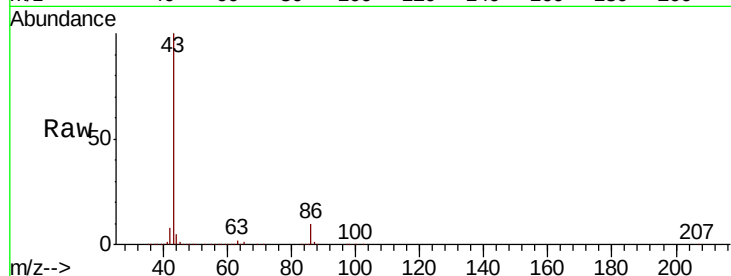
ICVVN112019

Tot Ion: 43 Resp: 2932739

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0



#24

1,1-Dichloroethane

Concen: 49.409 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

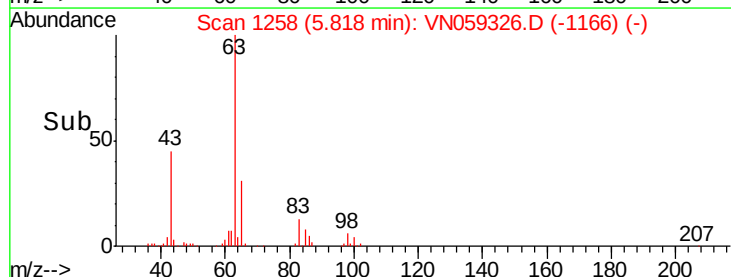
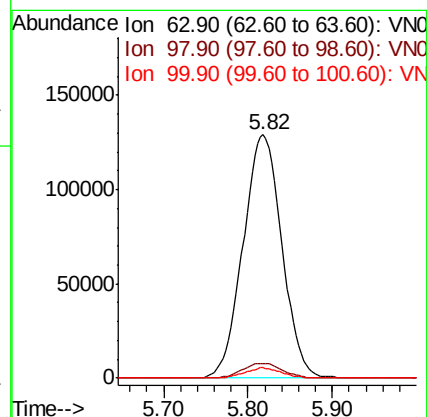
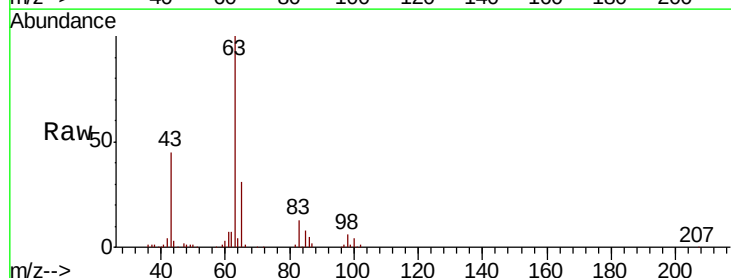
Tgt Ion: 63 Resp: 412889

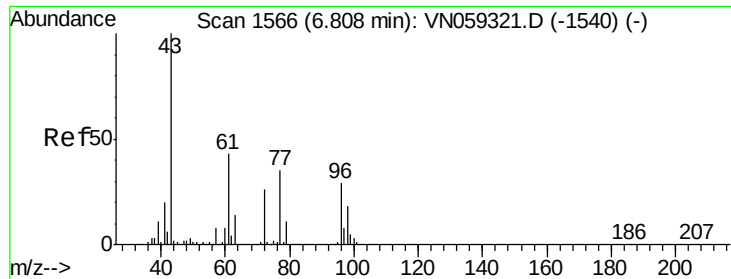
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.2 1.9 5.7

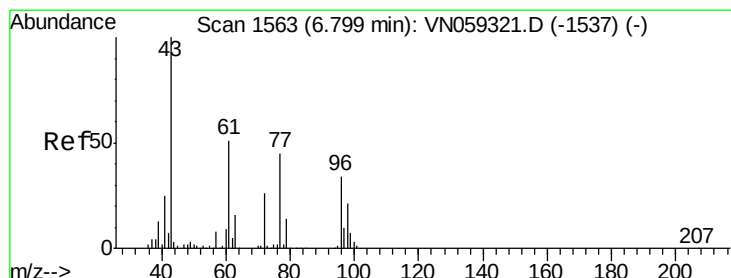
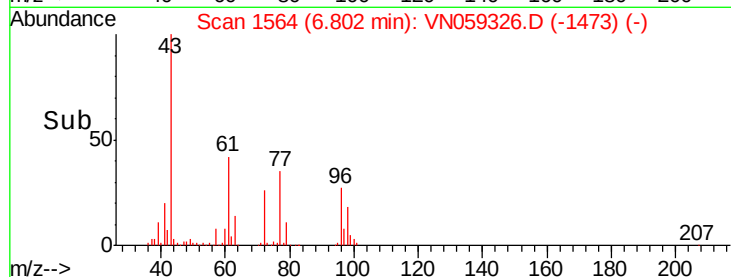
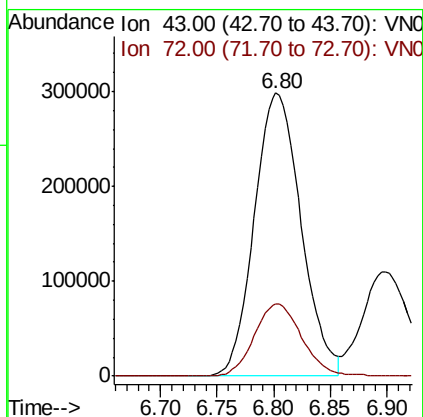
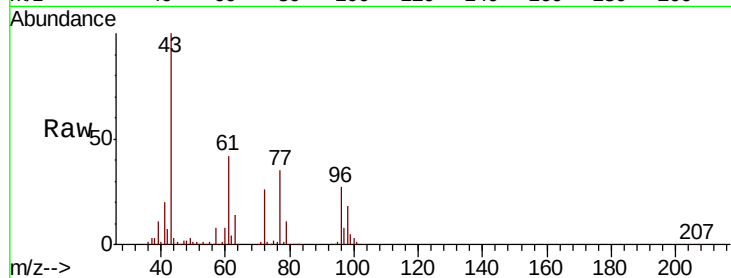




#25
2-Butanone
Concen: 260.942 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

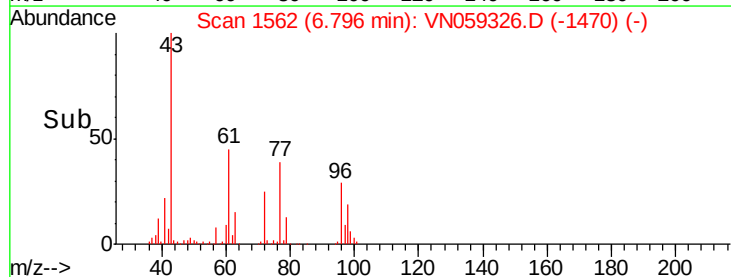
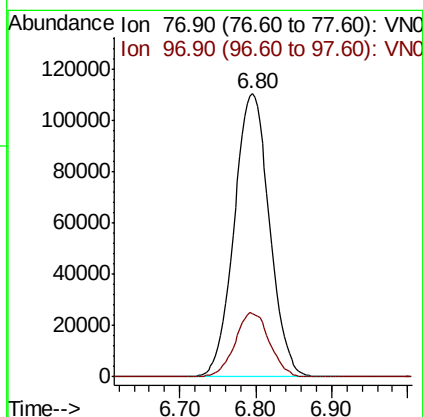
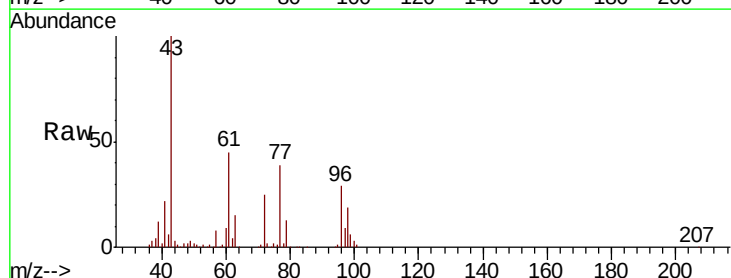
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

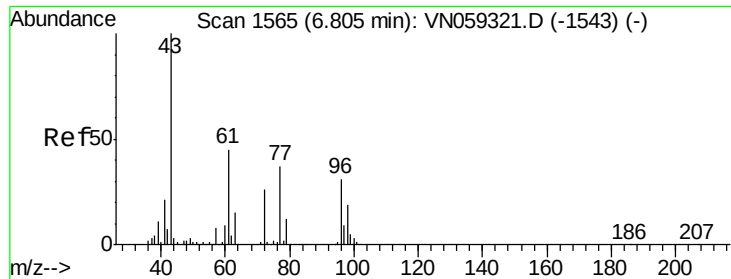
Tot Ion: 43 Resp: 853724
Ion Ratio Lower Upper
43 100
72 25.7 20.5 30.7



#26
2,2-Dichloropropane
Concen: 49.263 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 77 Resp: 356461
Ion Ratio Lower Upper
77 100
97 22.3 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 48.627 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

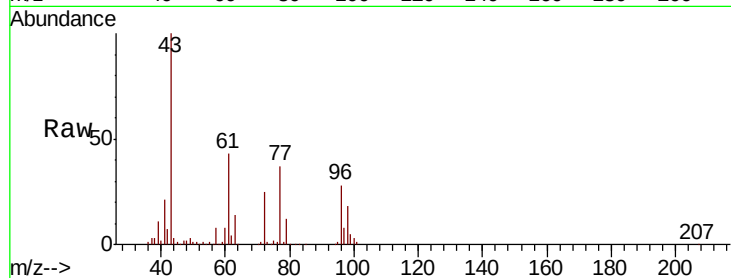
Tot Ion: 96 Resp: 245429

Ion Ratio Lower Upper

96 100

61 152.8 0.0 304.0

98 64.4 0.0 128.4

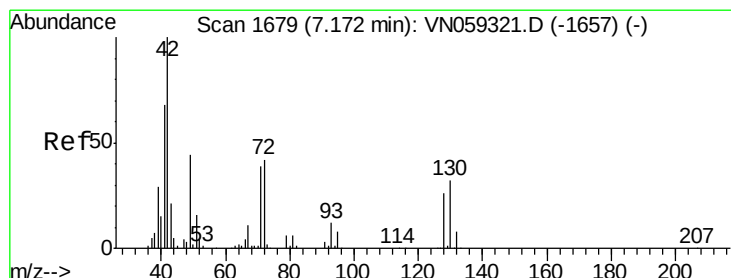
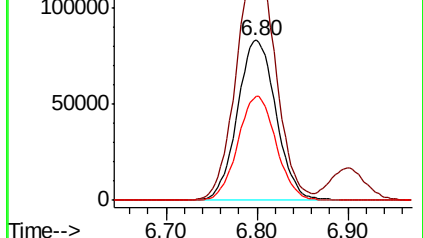
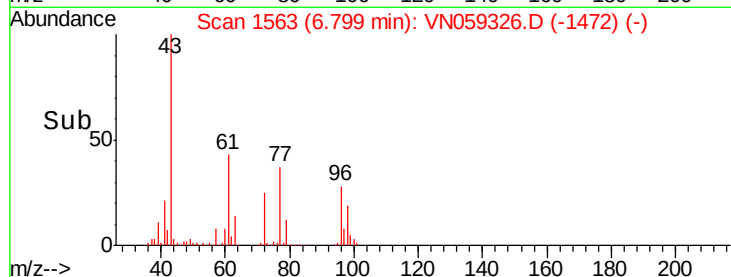


Abundance Ion 95.90 (95.60 to 96.60): VN059326.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN059326.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN059326.D (-1472) (-)

Time-->



#28

Bromochloromethane

Concen: 42.429 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

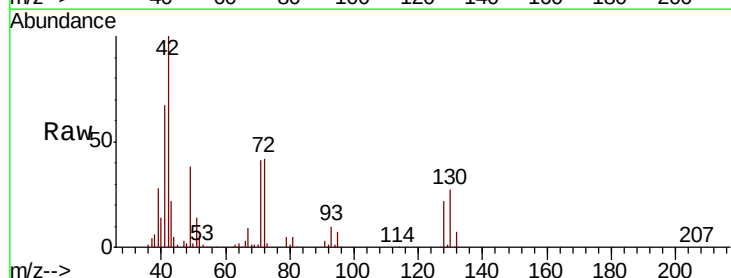
Tgt Ion: 49 Resp: 143153

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

130 72.0 57.0 85.6

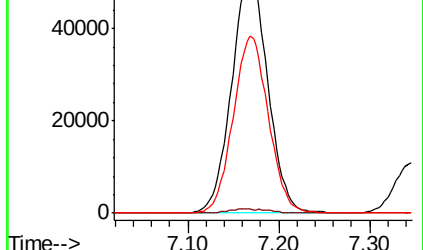
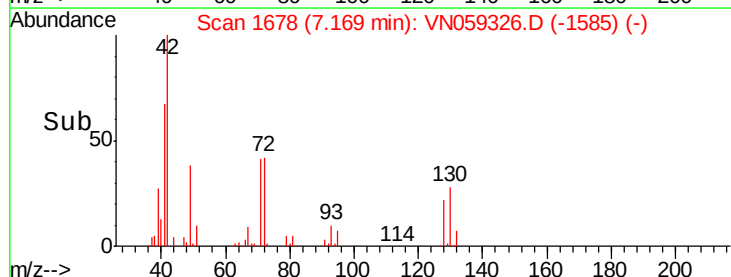


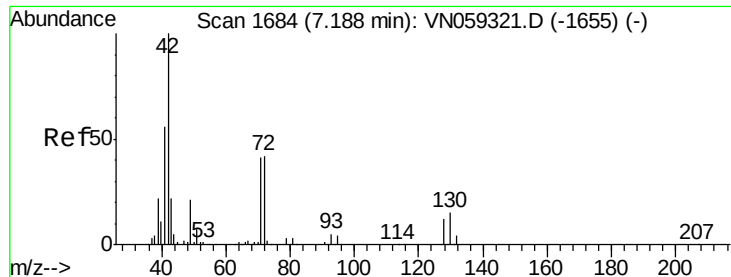
Abundance Ion 48.90 (48.60 to 49.60): VN059326.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059326.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059326.D (-1585) (-)

Time-->

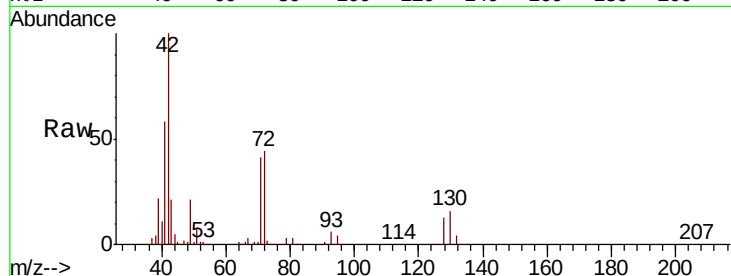




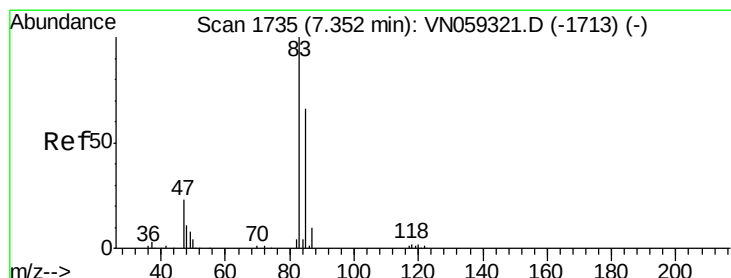
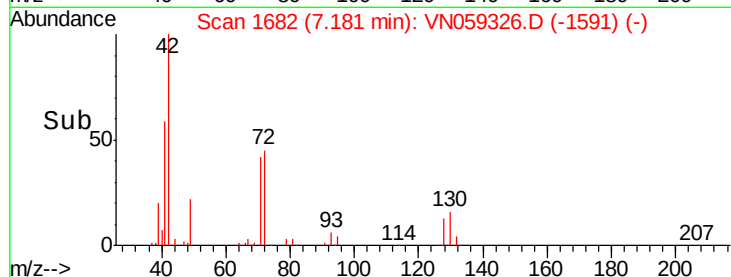
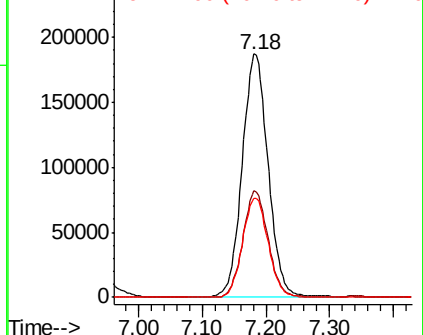
#29
Tetrahydrofuran
Concen: 234.979 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion: 42 Resp: 531583
Ion Ratio Lower Upper
42 100
72 42.6 34.2 51.2
71 40.3 32.6 48.8

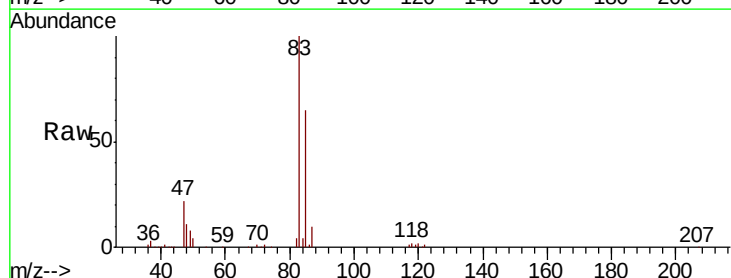


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

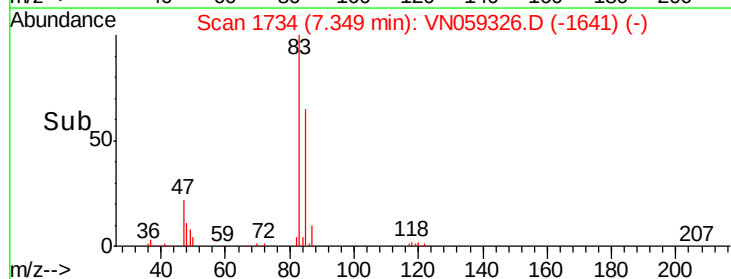
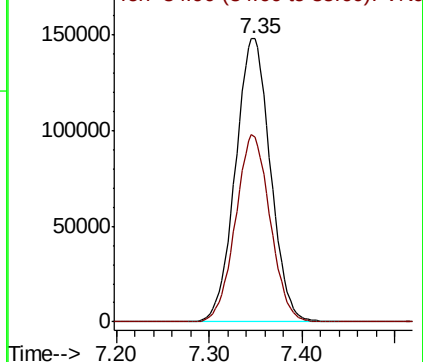


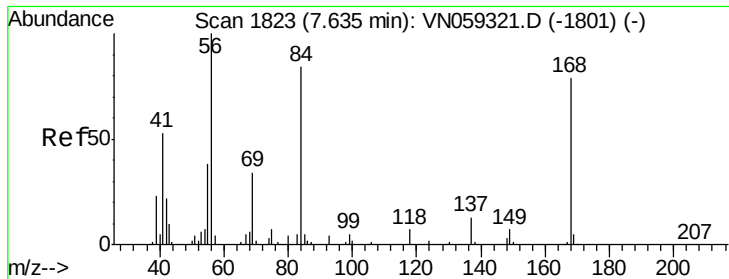
#30
Chloroform
Concen: 47.778 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 83 Resp: 387485
Ion Ratio Lower Upper
83 100
85 65.1 52.7 79.1



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





#31

Cyclohexane

Concen: 48.393 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampled :

ICVFN112019

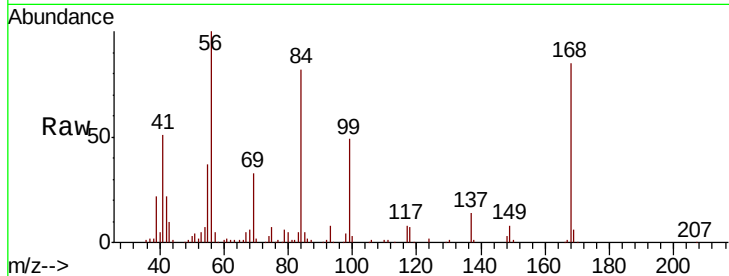
Tot Ion: 56 Resp: 399851

Ion Ratio Lower Upper

56 100

69 32.7 26.6 40.0

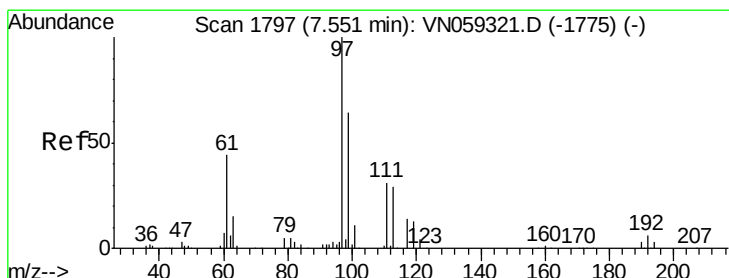
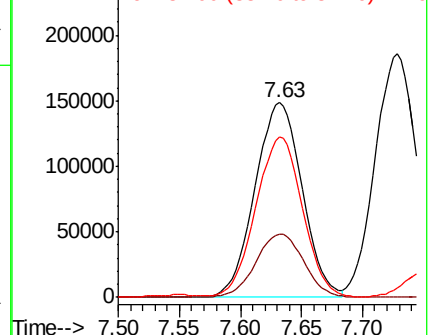
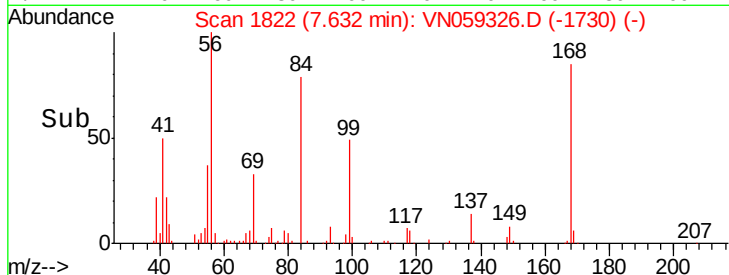
84 81.5 67.0 100.4



Abundance Ion 56.00 (55.70 to 56.70): VN059326.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN059326.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN059326.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 48.627 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

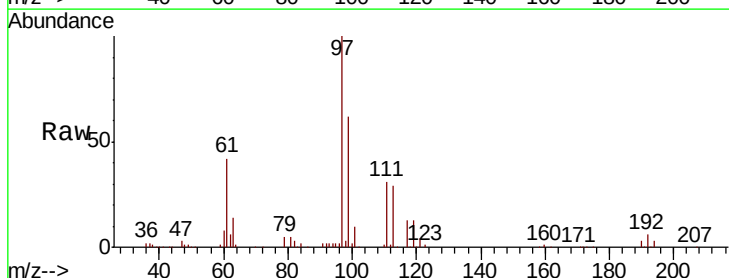
Tgt Ion: 97 Resp: 338808

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

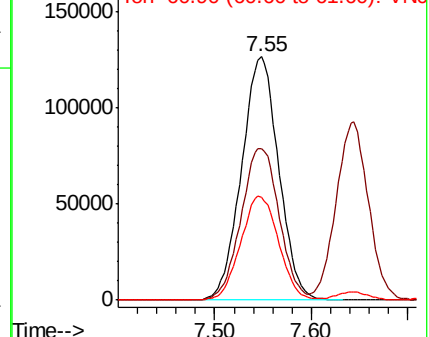
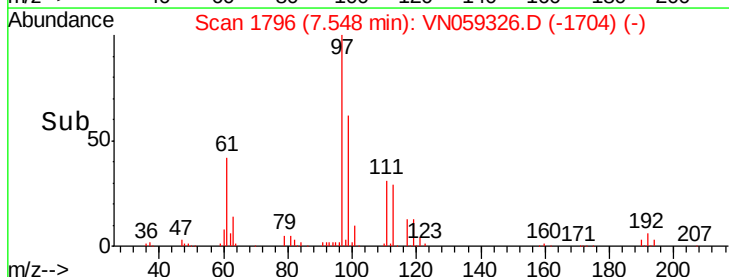
61 43.6 35.3 52.9

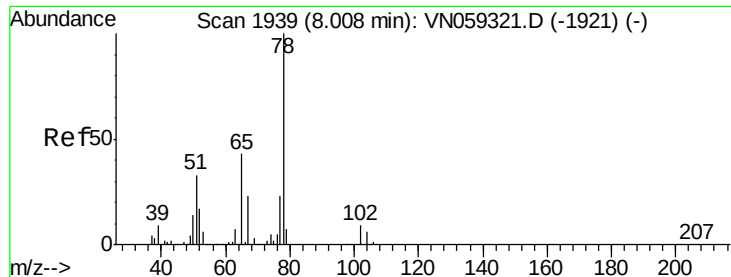


Abundance Ion 96.90 (96.60 to 97.60): VN059326.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN059326.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN059326.D (-1704) (-)

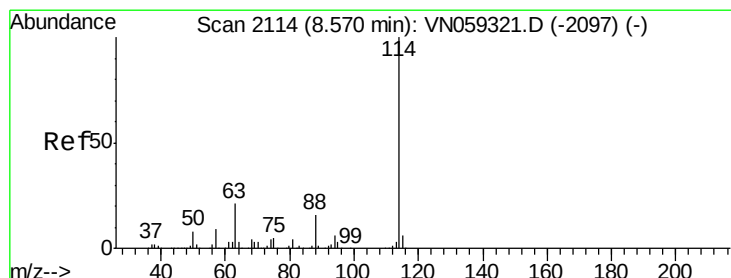
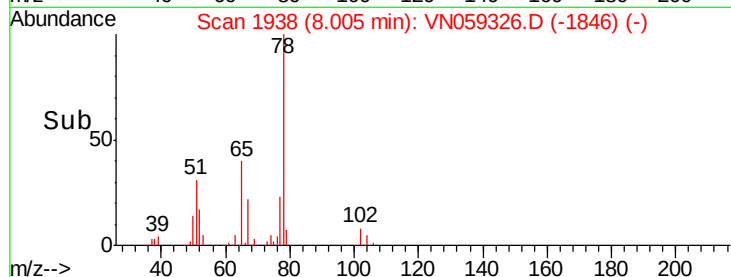
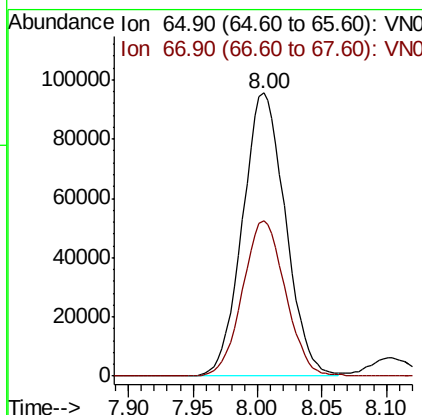
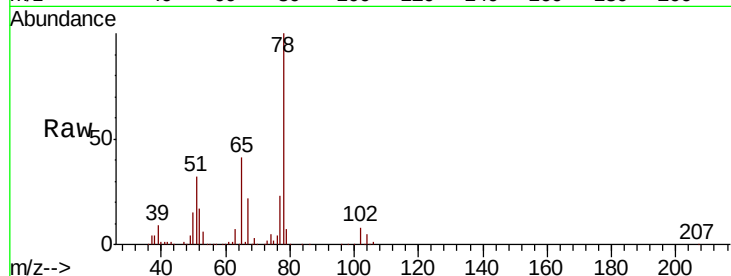




#33
 1,2-Dichloroethane-d4
 Concen: 47.258 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

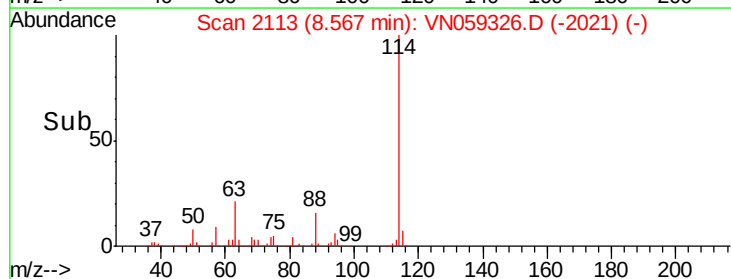
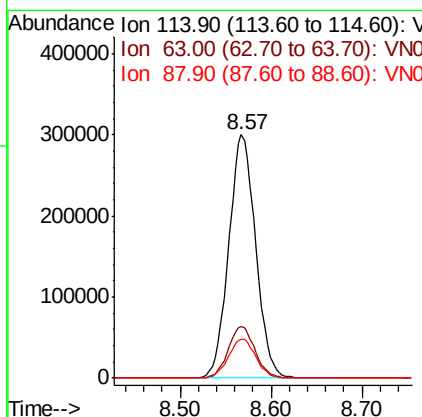
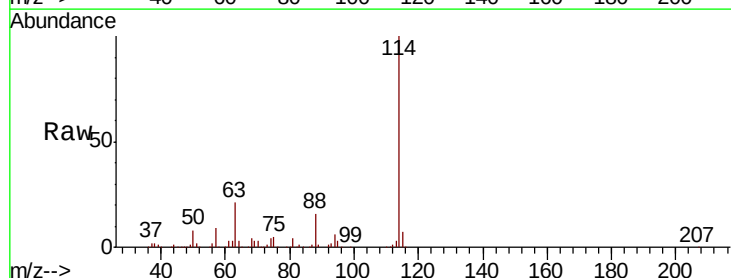
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

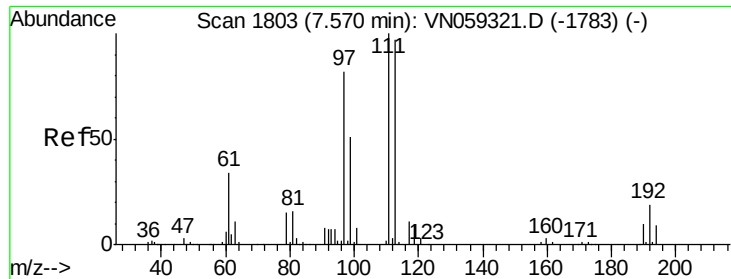
Tot Ion: 65 Resp: 221755
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion: 114 Resp: 615066
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 16.2 0.0 32.2

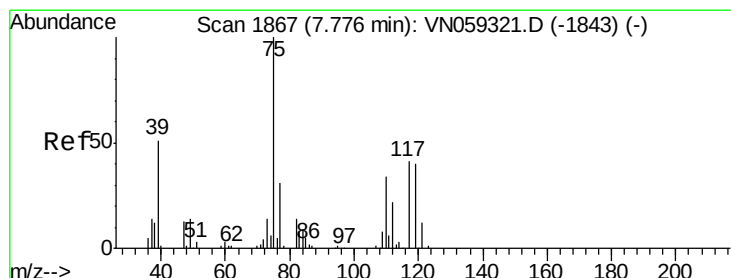
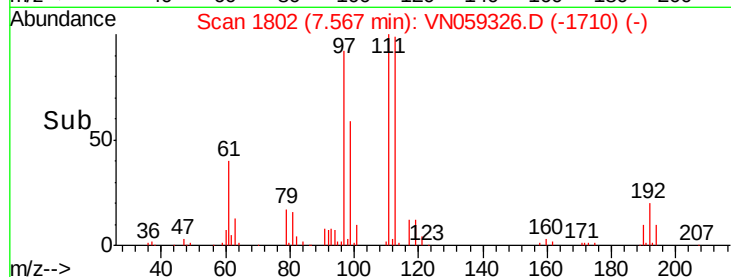
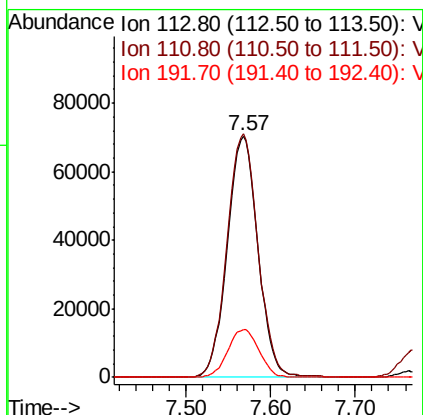
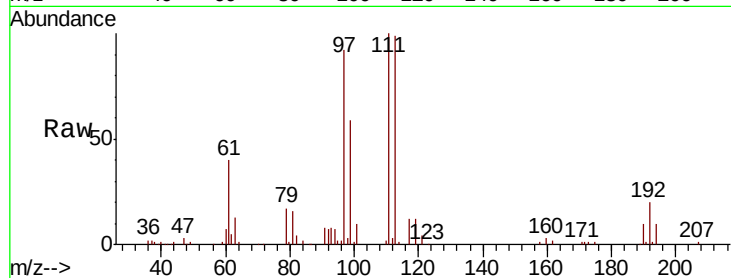




#35
Dibromofluoromethane
Concen: 48.226 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

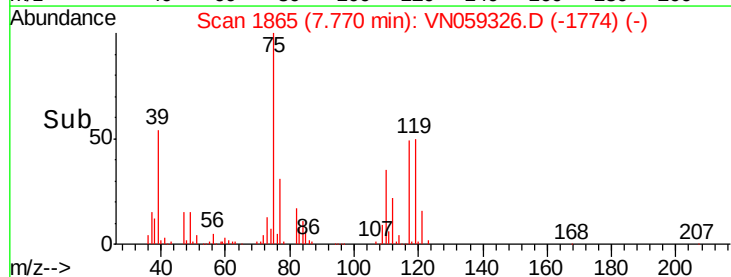
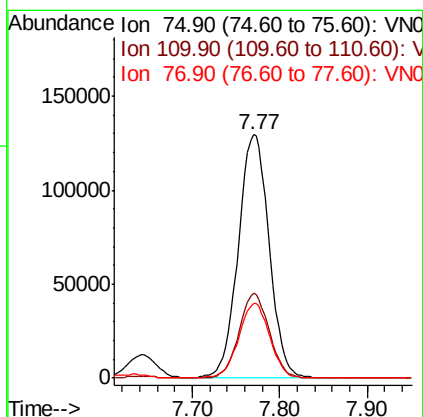
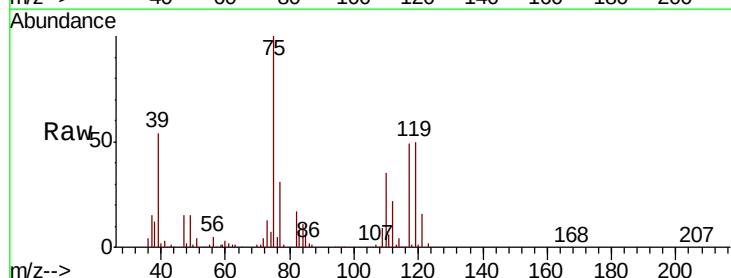
Instrument :
MSVOA_N
ClientSampleId :
ICVFN112019

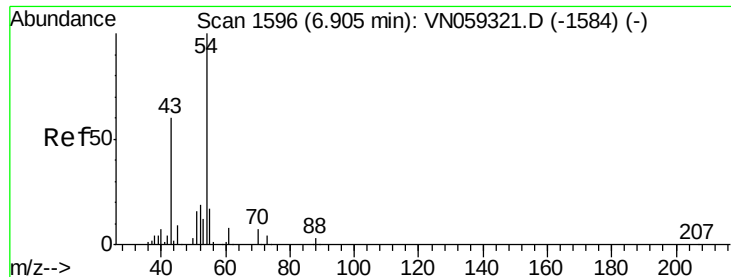
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.7	124.1
192	20.1	16.3	24.5



#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	51.0
77	31.1	24.8	37.2

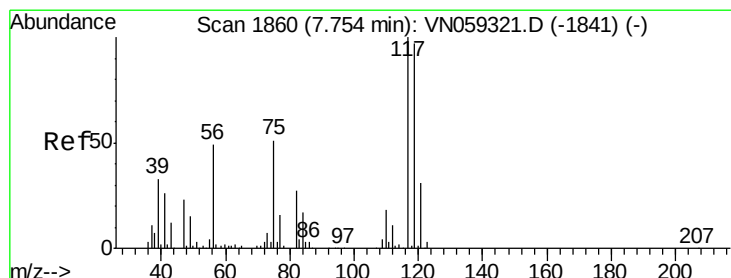
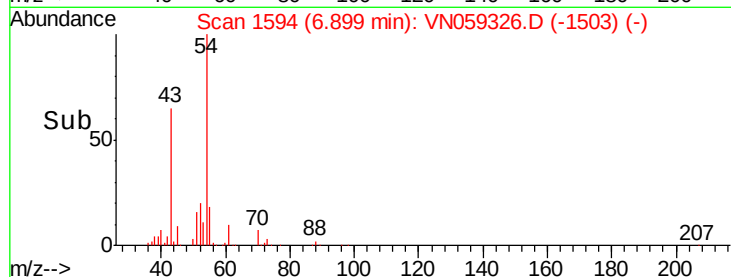
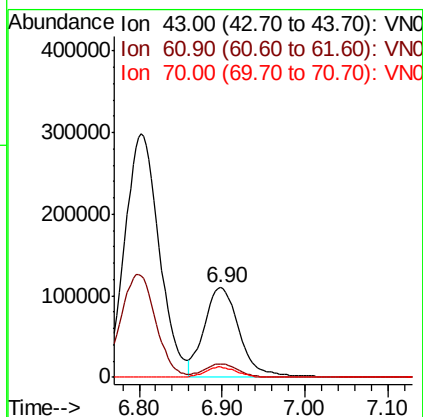
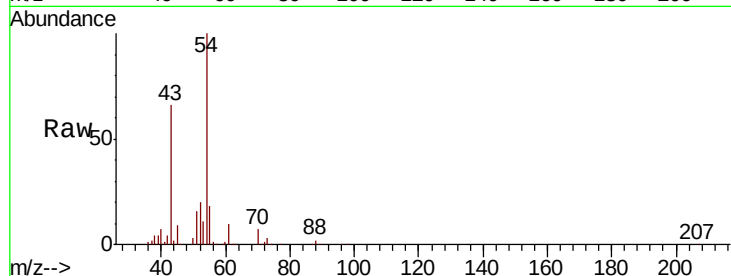




#37
Ethyl Acetate
Concen: 47.109 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

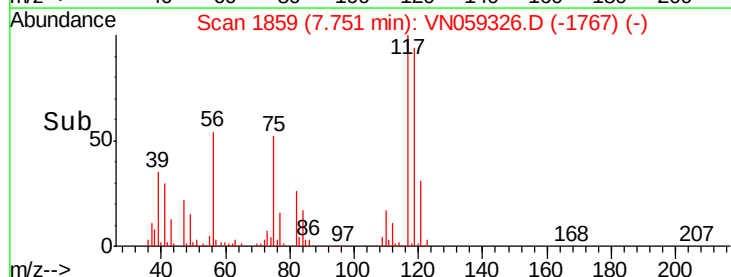
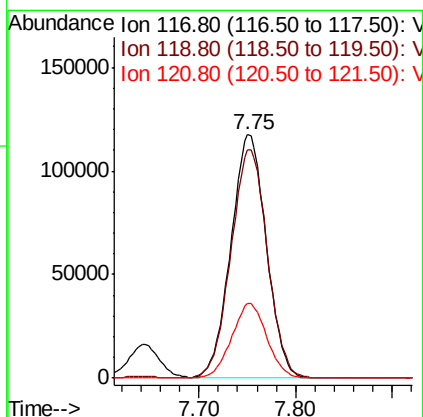
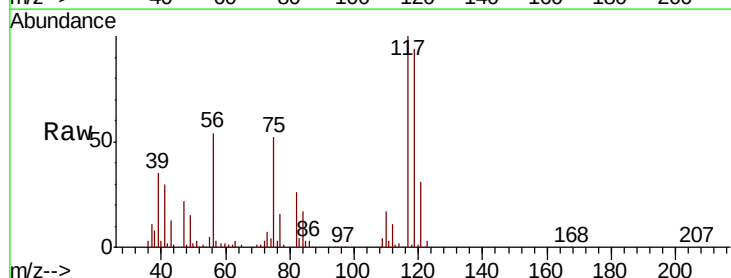
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

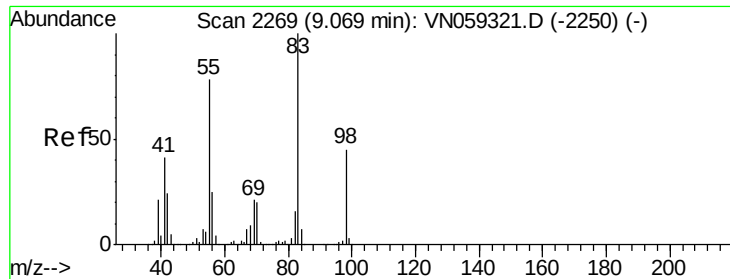
Tot Ion: 43 Resp: 321478
Ion Ratio Lower Upper
43 100
61 14.1 11.0 16.6
70 10.2 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.255 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 117 Resp: 299401
Ion Ratio Lower Upper
117 100
119 93.7 77.0 115.4
121 30.6 24.4 36.6

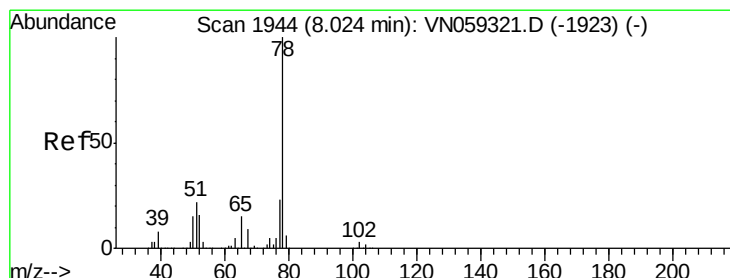
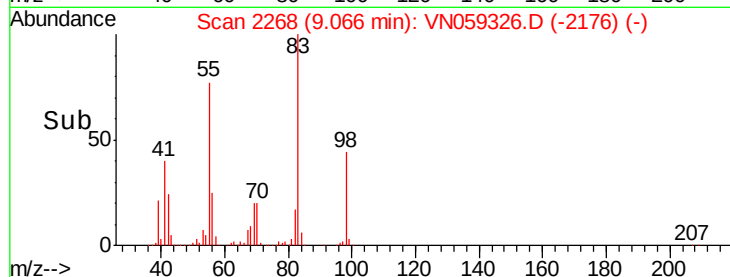
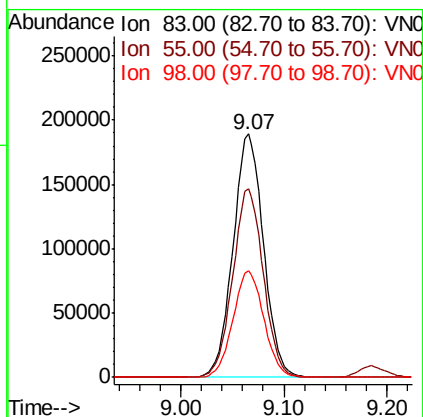
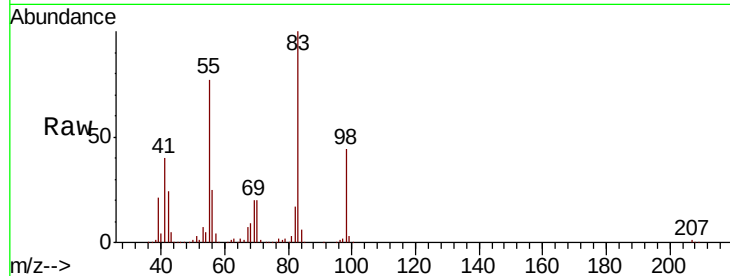




#39
Methylvlcyclohexane
Concen: 50.824 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

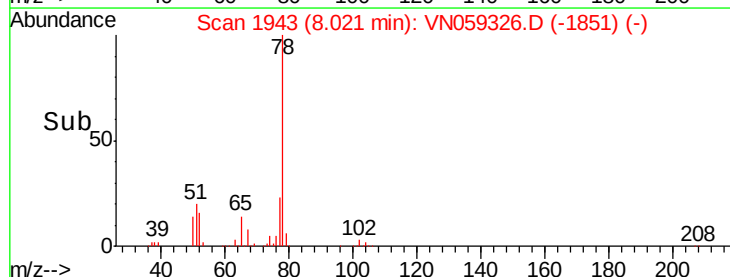
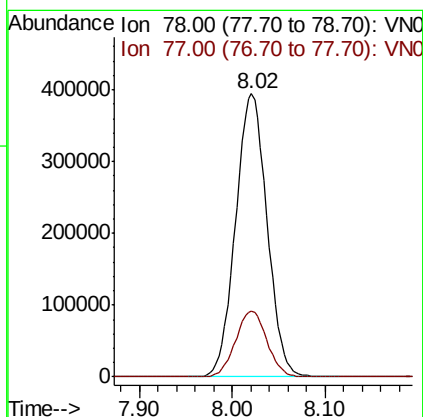
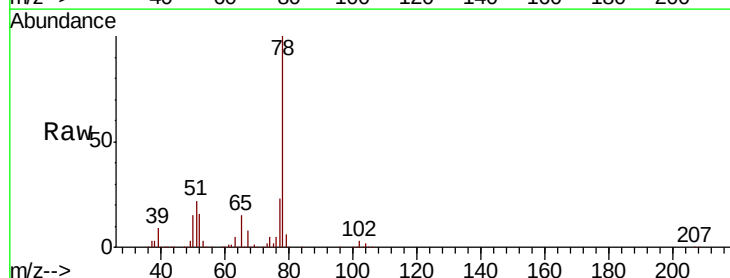
Instrument :
MSVOA_N
ClientSampleId :
ICVFN112019

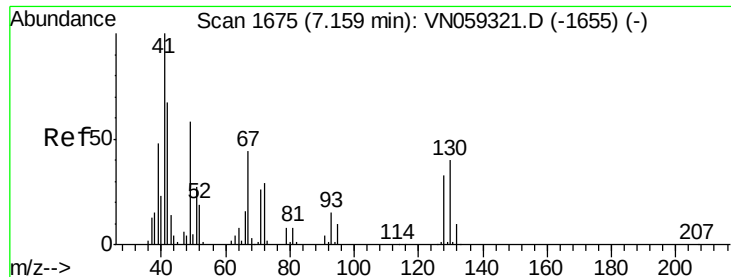
Tot Ion: 83 Resp: 389150
Ion Ratio Lower Upper
83 100
55 77.4 62.3 93.5
98 43.7 36.0 54.0



#40
Benzene
Concen: 49.793 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 78 Resp: 927949
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6

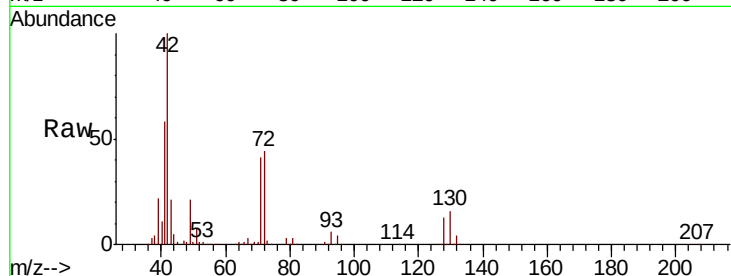




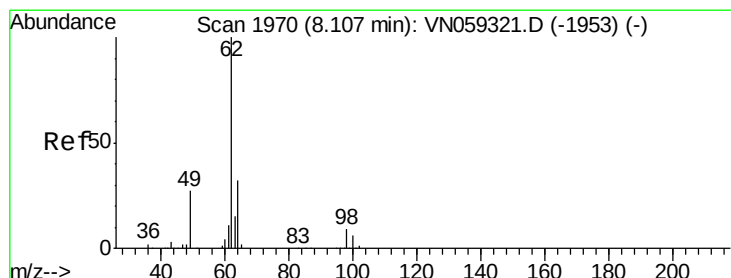
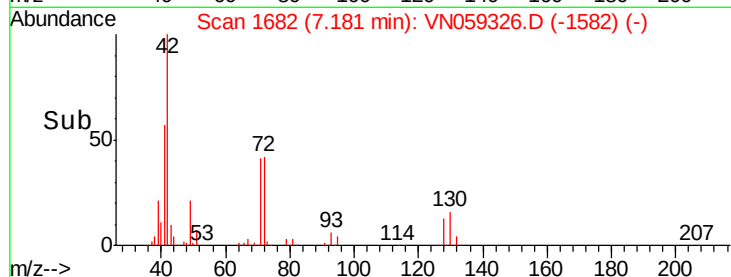
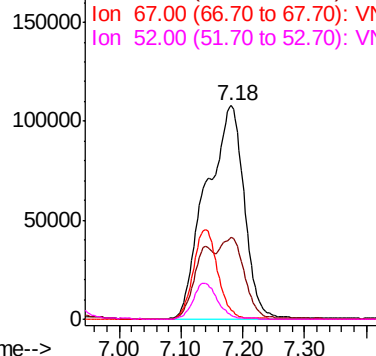
#41
Methacrylonitrile
Concen: 152.700 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion:	41	Resp:	462590
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

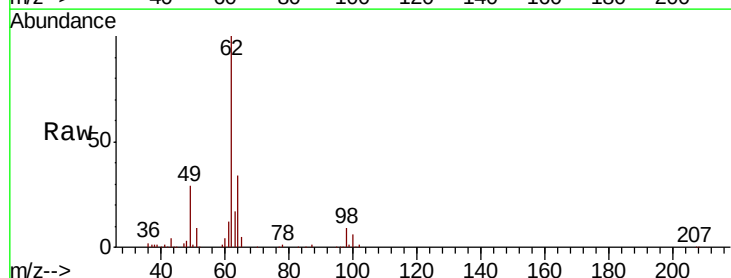


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

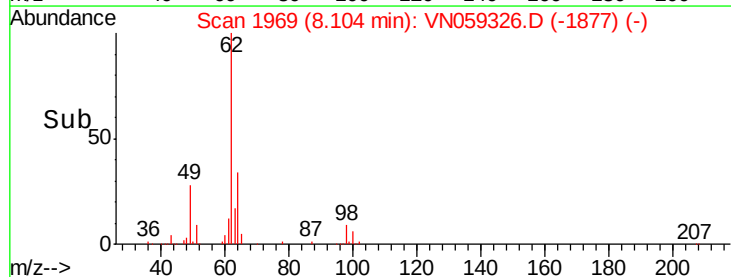
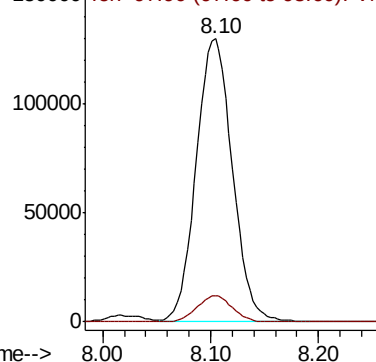


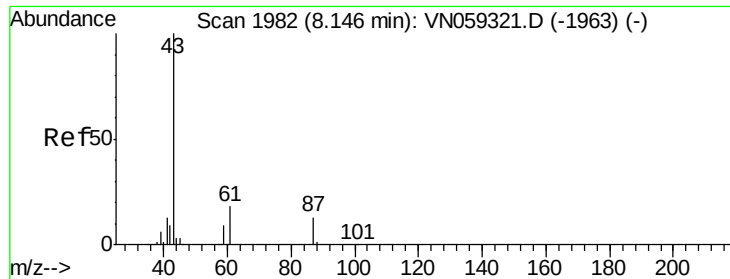
#42
1,2-Dichloroethane
Concen: 49.079 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion:	62	Resp:	302499
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.598 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

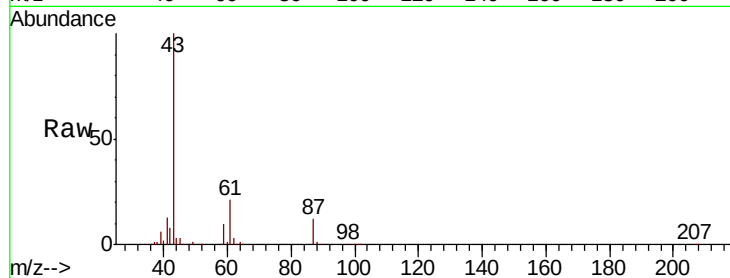
Tot Ion: 43 Resp: 517259

Ion Ratio Lower Upper

43 100

61 27.2 21.7 32.5

87 13.0 10.2 15.4

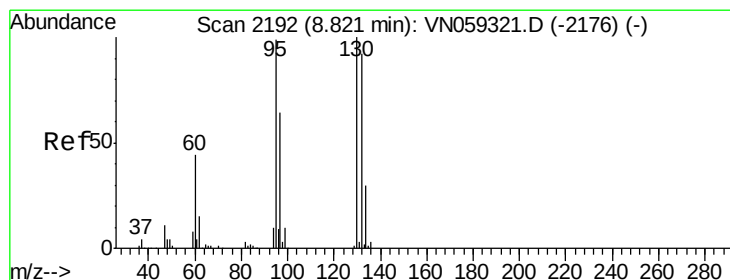
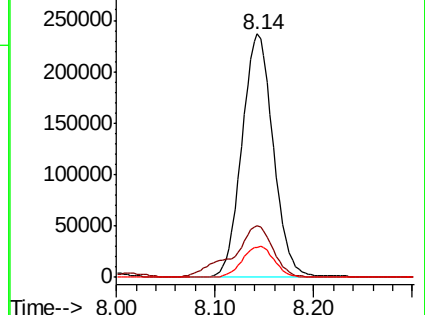
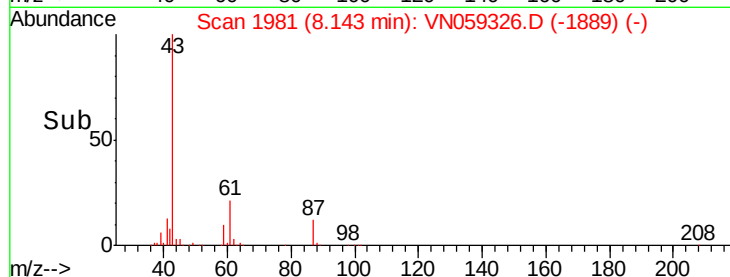


Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059321.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059321.D (-1963) (-)

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 50.062 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059326.D

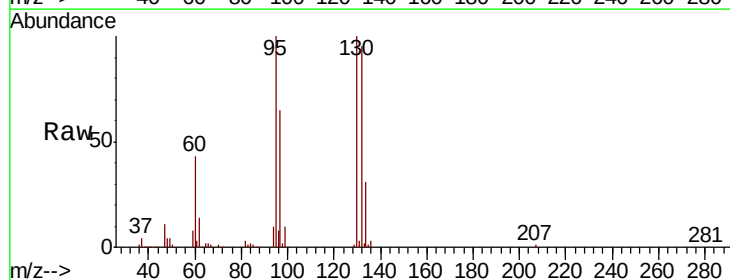
Acq: 20 Nov 2019 16:43

Tgt Ion:130 Resp: 236449

Ion Ratio Lower Upper

130 100

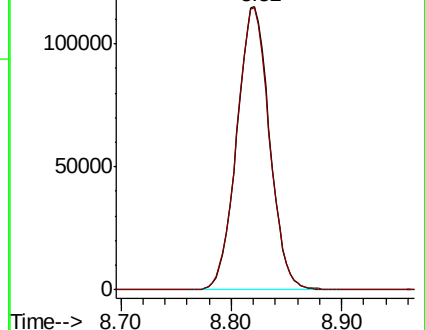
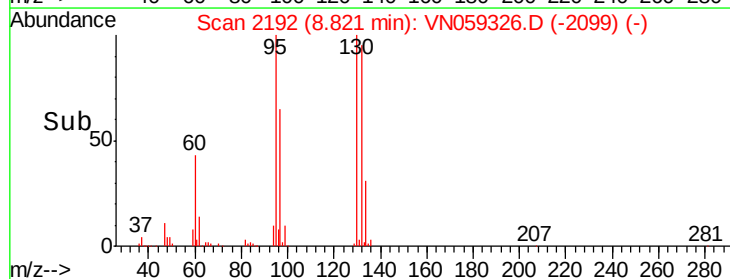
95 99.6 0.0 198.4

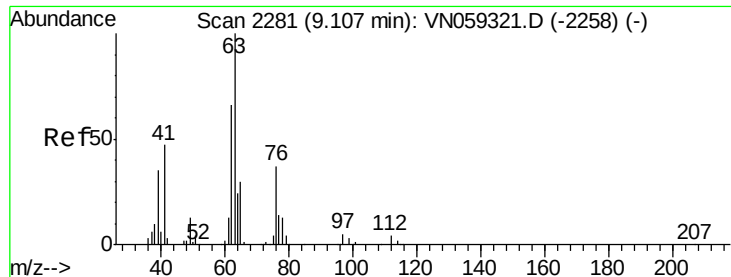


Abundance Ion 129.80 (129.50 to 130.50): VN059321.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN059321.D (-2176) (-)

Time--> 8.70 8.80 8.90

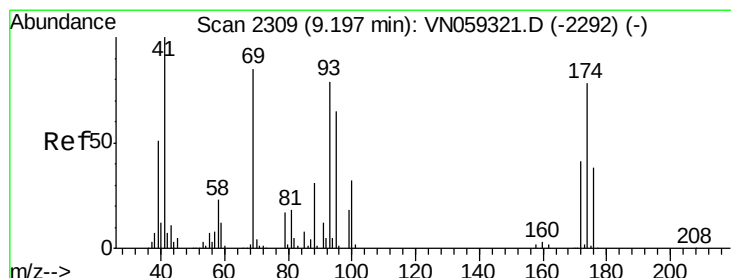
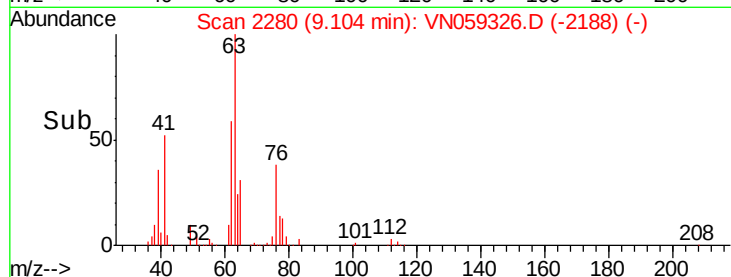
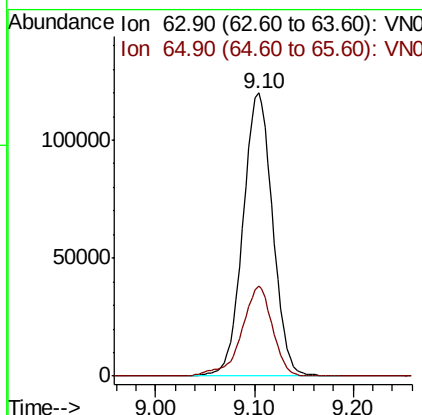
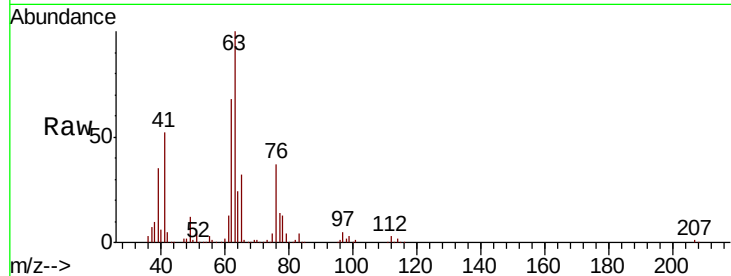




#45
 1,2-Dichloropropane
 Concen: 50.080 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

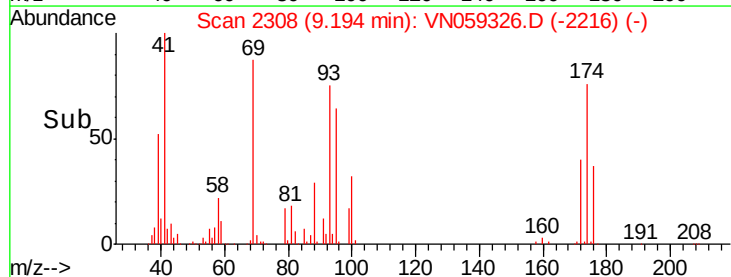
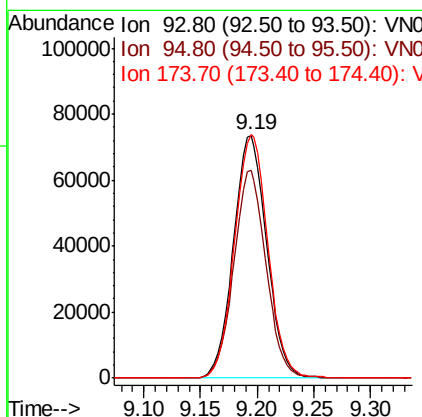
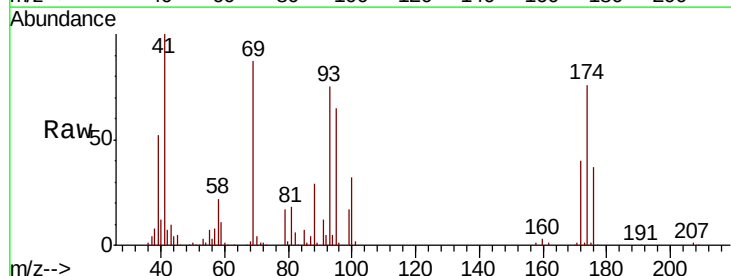
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

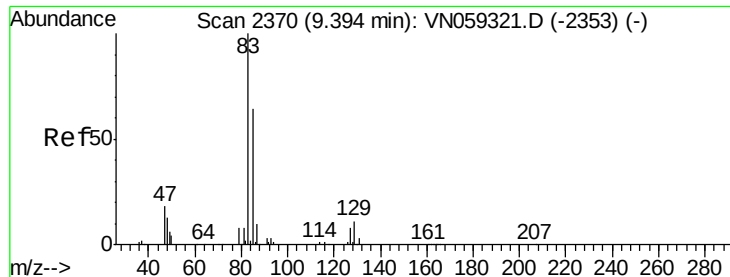
Tot Ion: 63 Resp: 248872
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.9 35.9



#46
 Dibromomethane
 Concen: 49.447 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion: 93 Resp: 150722
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.9 100.3
 174 100.5 80.6 120.8





#47

Bromodichloromethane

Concen: 50.485 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

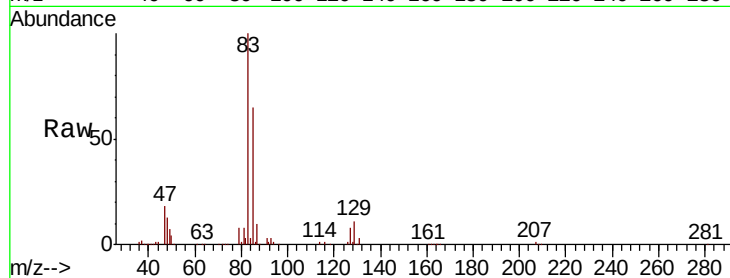
Tot Ion: 83 Resp: 308190

Ion Ratio Lower Upper

83 100

85 64.7 51.5 77.3

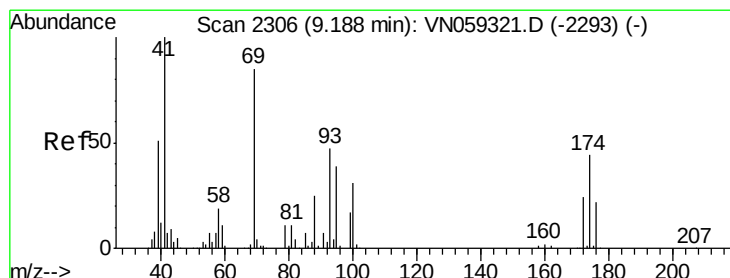
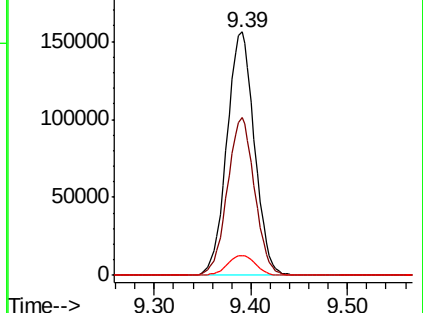
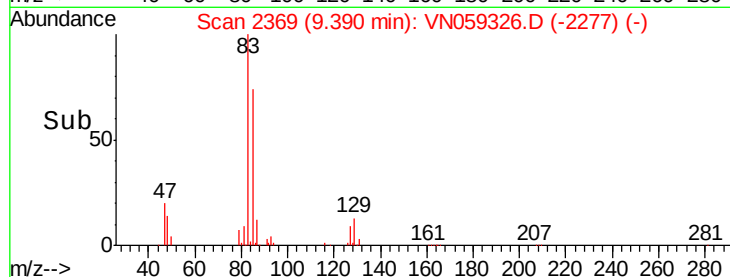
127 8.1 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN059326.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN059326.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN059326.D (-2277) (-)



#48

Methyl methacrylate

Concen: 49.286 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

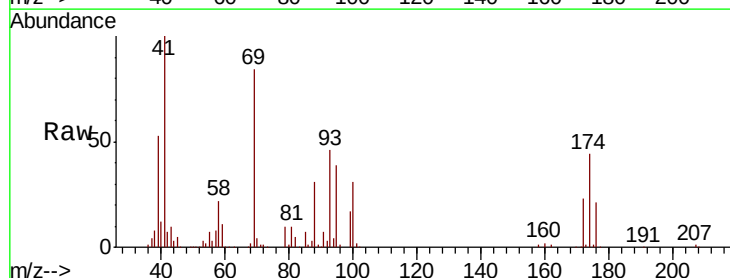
Tgt Ion: 41 Resp: 233745

Ion Ratio Lower Upper

41 100

69 87.7 68.8 103.2

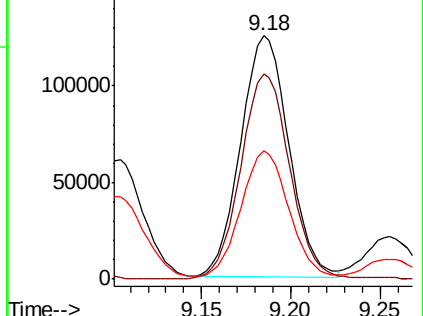
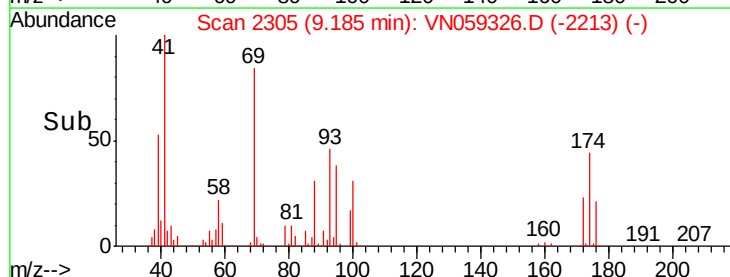
39 53.5 42.1 63.1

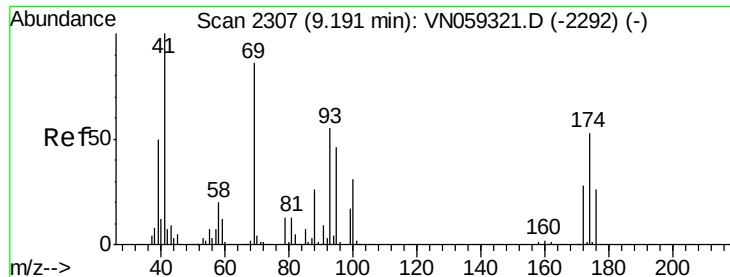


Abundance Ion 41.00 (40.70 to 41.70): VN059326.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059326.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059326.D (-2213) (-)

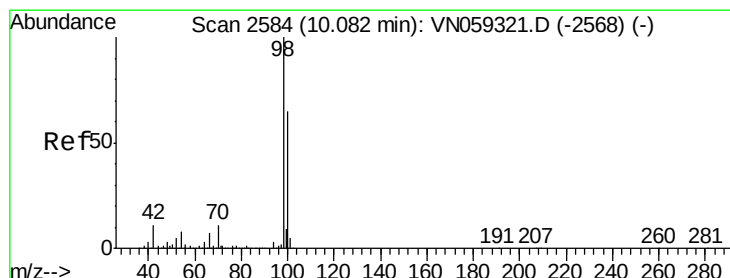
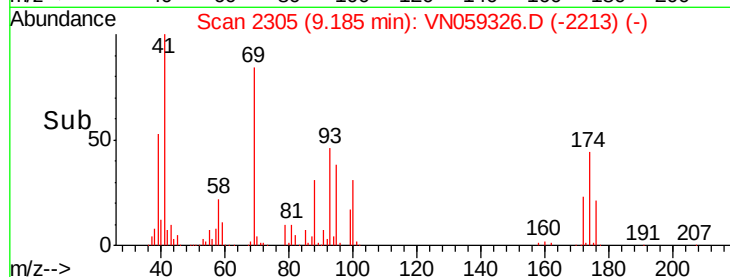
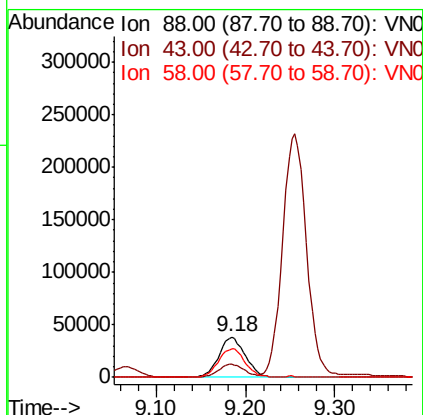
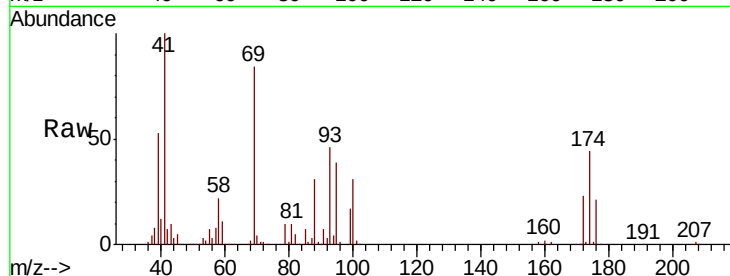




#49
1,4-Dioxane
Concen: 1112.307 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

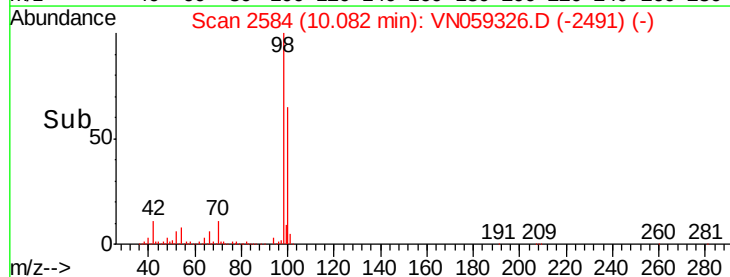
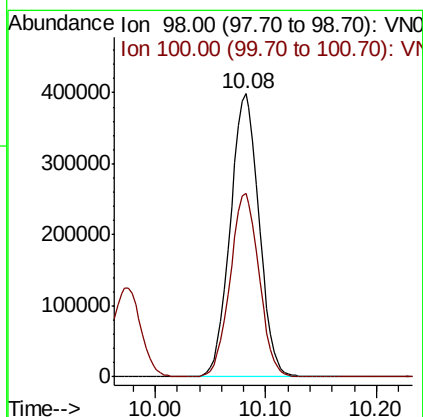
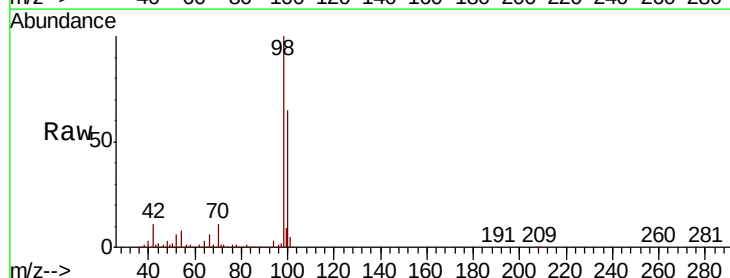
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

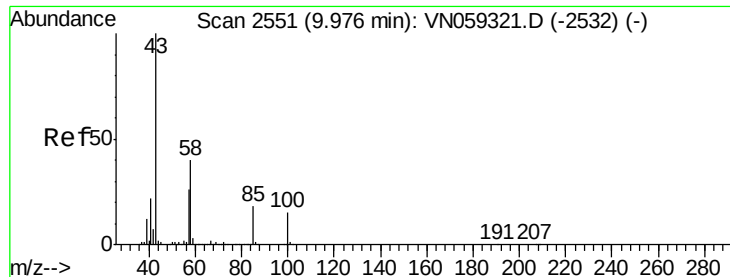
Tot Ion: 88 Resp: 79283
Ion Ratio Lower Upper
88 100
43 31.1 26.9 40.3
58 71.4 59.2 88.8



#50
Toluene-d8
Concen: 49.113 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 98 Resp: 720462
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

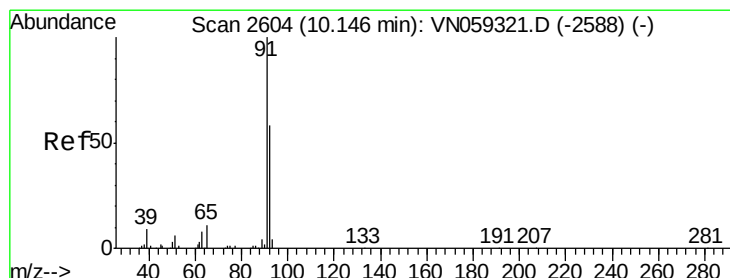
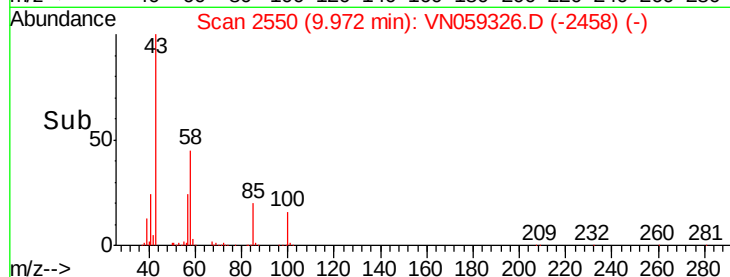
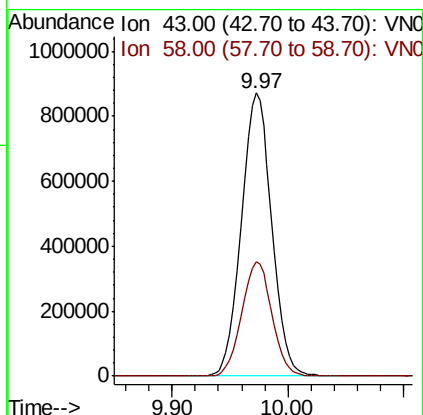
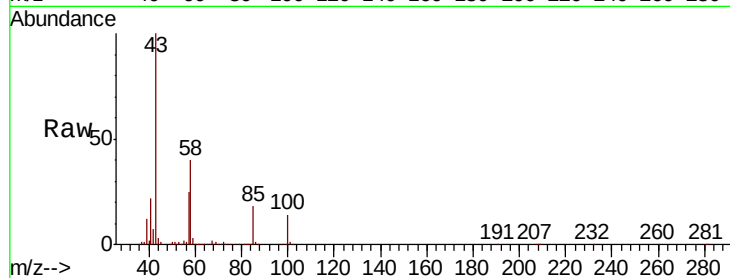




#51
4-Methyl-2-Pentanone
Concen: 259.127 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

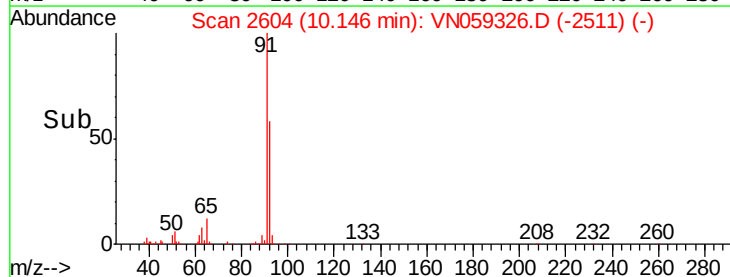
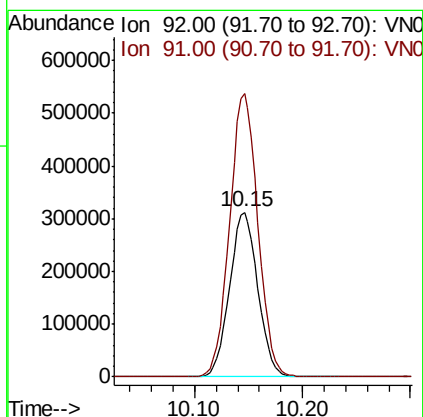
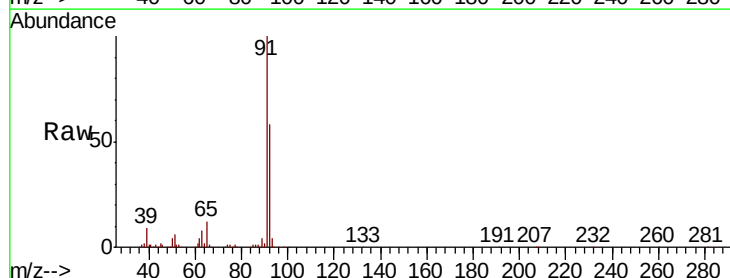
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

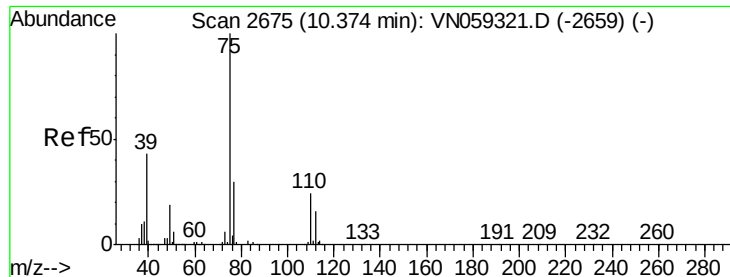
Tot Ion: 43 Resp: 1581824
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8



#52
Toluene
Concen: 50.856 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 92 Resp: 569883
Ion Ratio Lower Upper
92 100
91 172.2 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 50.828 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

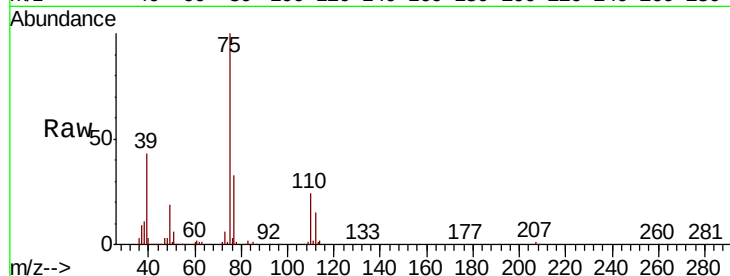
ICVFN112019

Tot Ion: 75 Resp: 360698

Ion Ratio Lower Upper

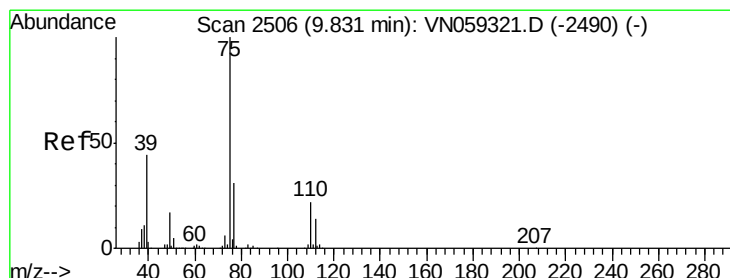
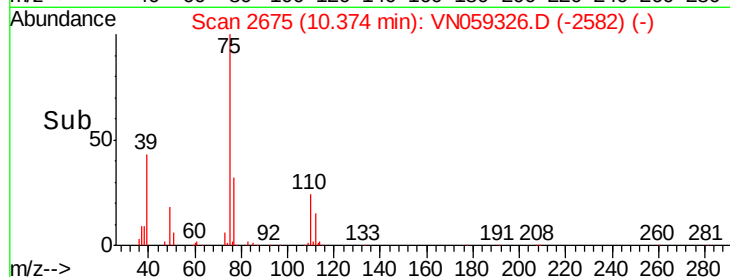
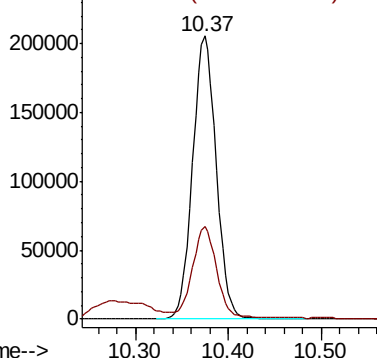
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.141 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

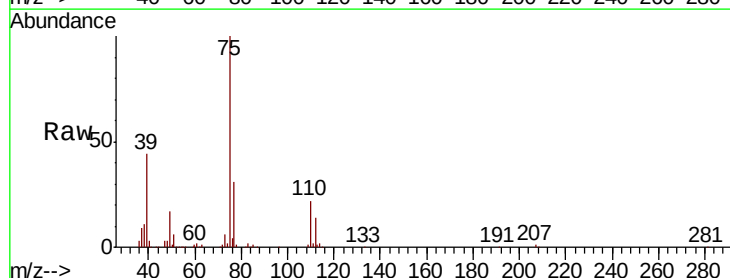
Tgt Ion: 75 Resp: 393810

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

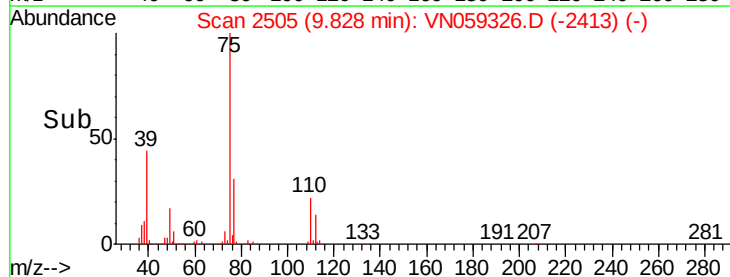
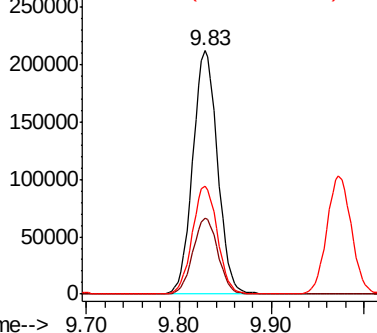
39 44.1 35.5 53.3

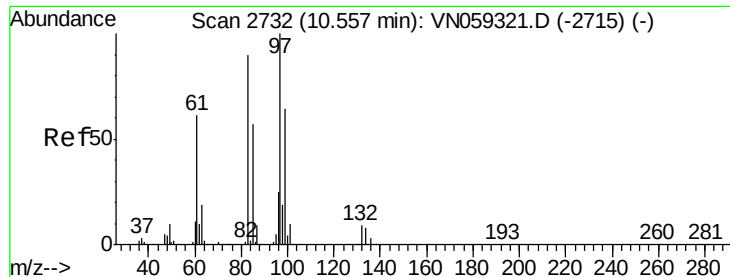


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

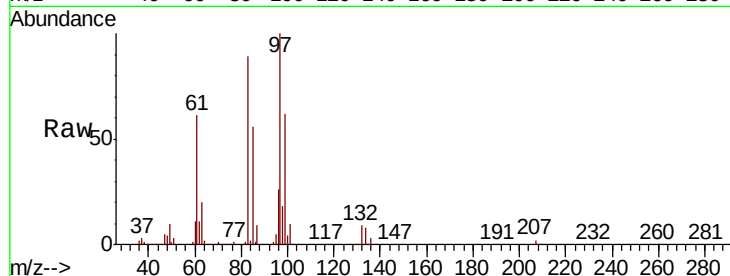




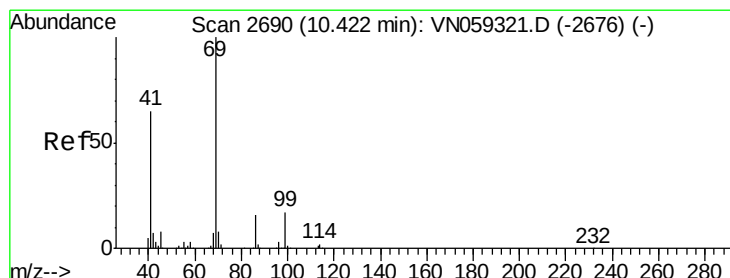
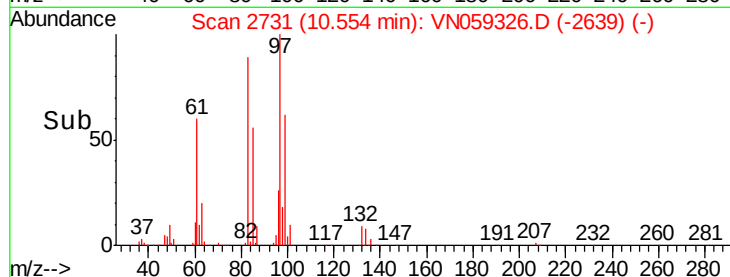
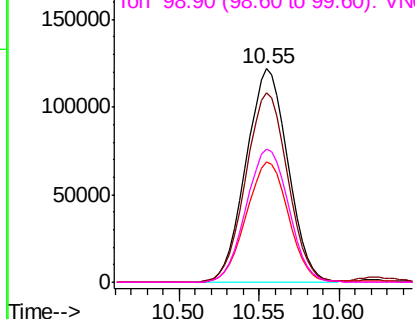
#55
 1,1,2-Trichloroethane
 Concen: 50.288 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion:	97	Resp:	219097
Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.0	108.0
85	56.4	45.8	68.6
99	62.4	51.0	76.4

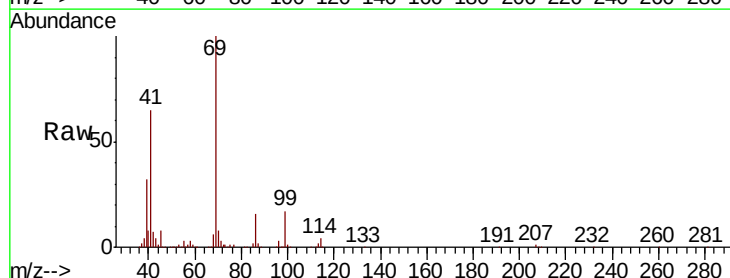


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

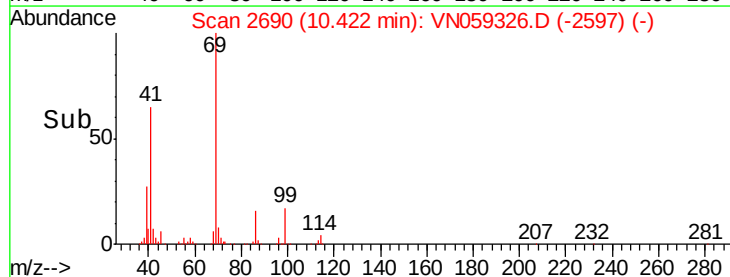
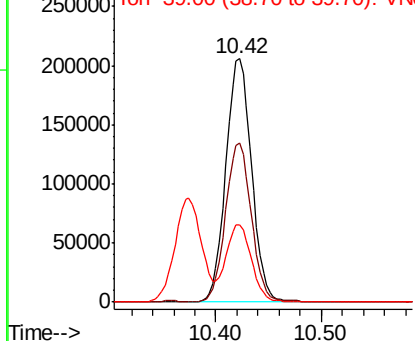


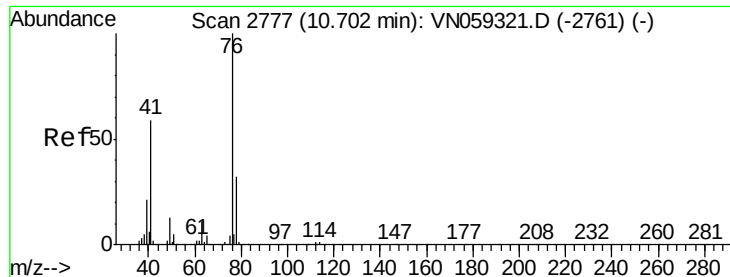
#56
 Ethyl methacrylate
 Concen: 47.446 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion:	69	Resp:	348263
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.7	77.5
39	30.7	25.2	37.8



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





#57

1,3-Dichloropropane

Concen: 49.914 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

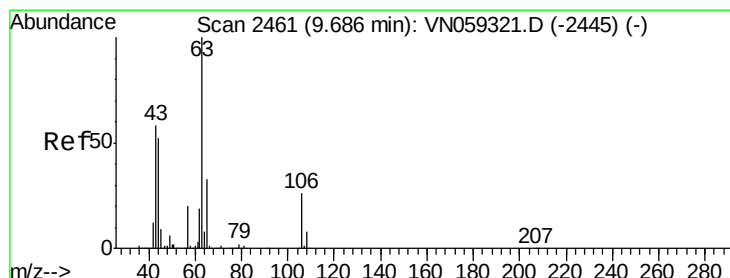
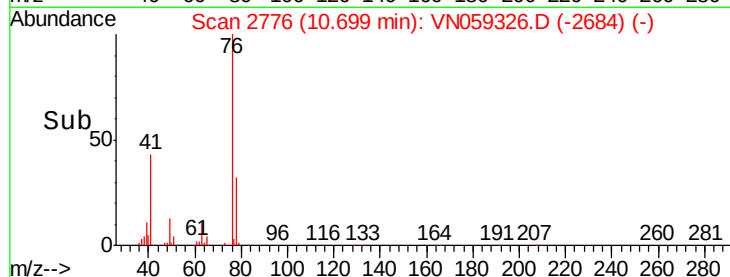
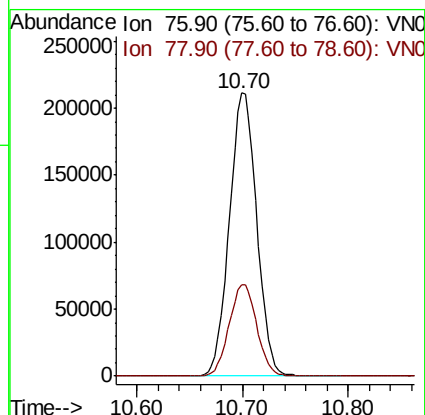
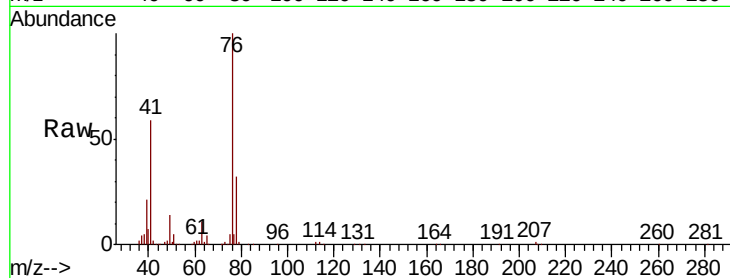
ICVVN112019

Tot Ion: 76 Resp: 379030

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 112.255 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059326.D

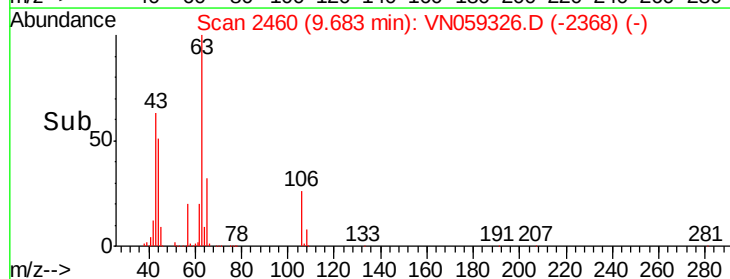
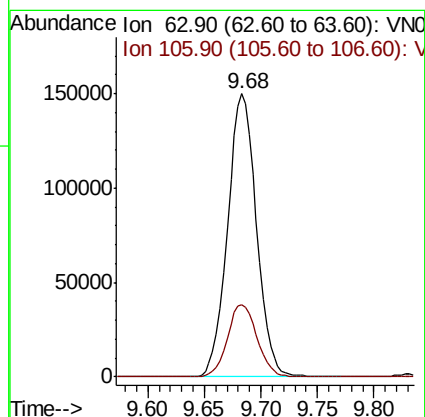
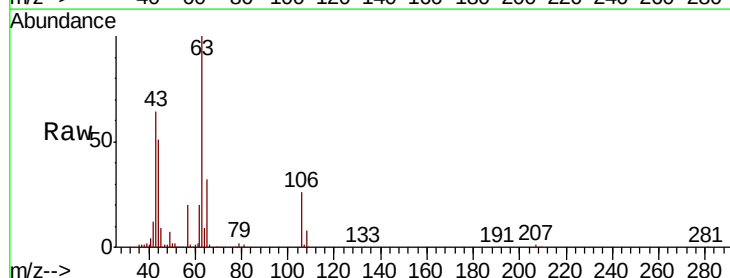
Acq: 20 Nov 2019 16:43

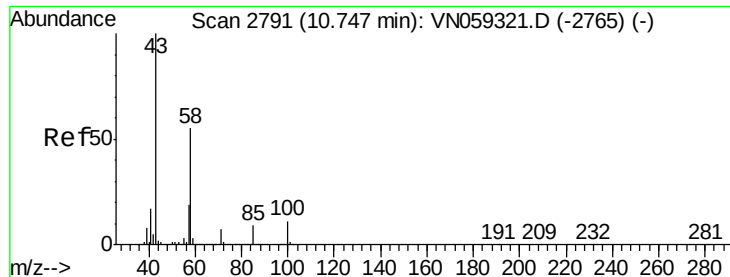
Tgt Ion: 63 Resp: 265882

Ion Ratio Lower Upper

63 100

106 26.2 20.5 30.7

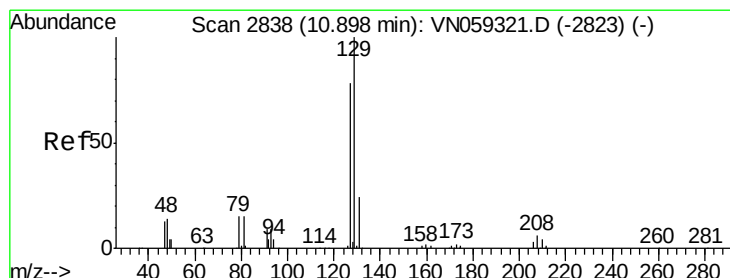
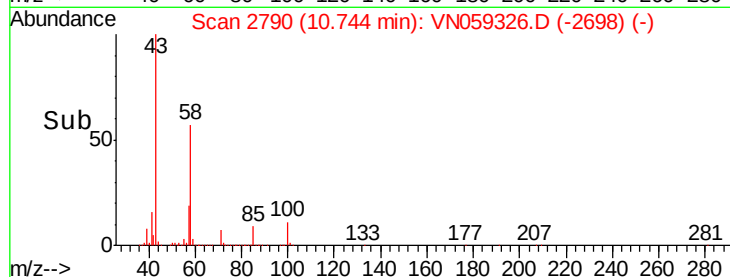
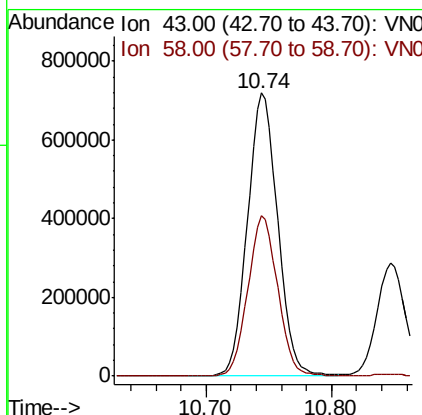
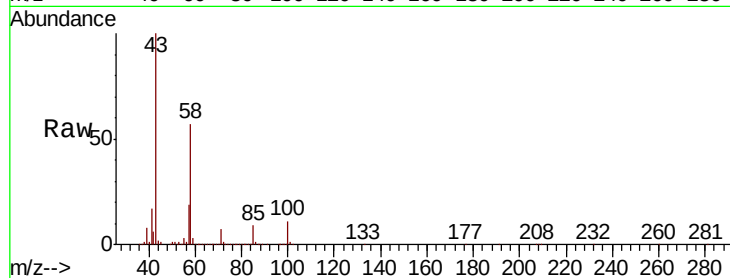




#59
2-Hexanone
Concen: 269.747 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

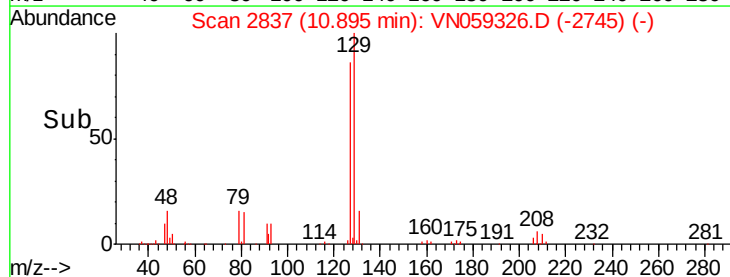
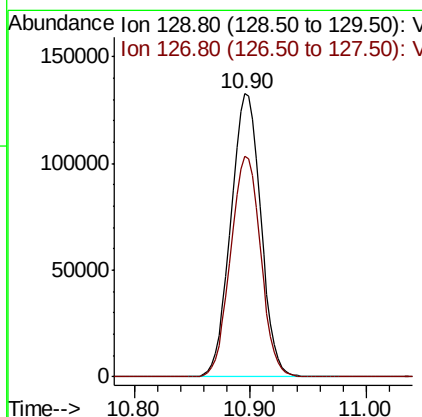
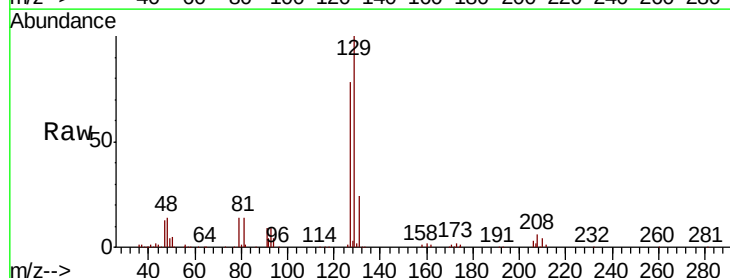
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

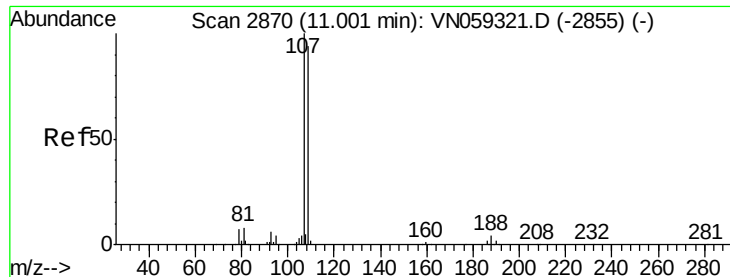
Tot Ion: 43 Resp: 1205752
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.0



#60
Dibromochloromethane
Concen: 51.707 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 129 Resp: 237395
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

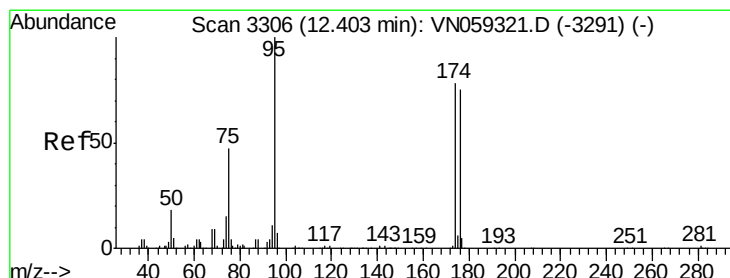
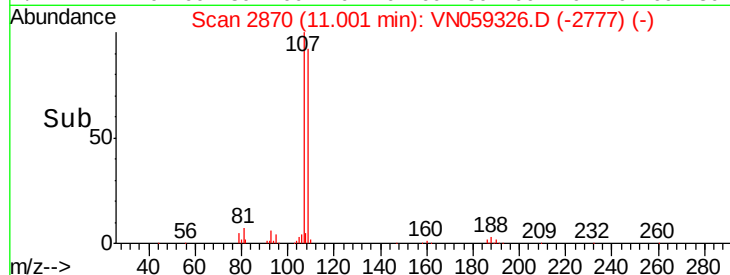
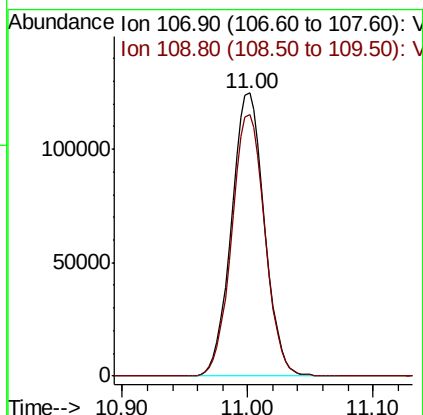
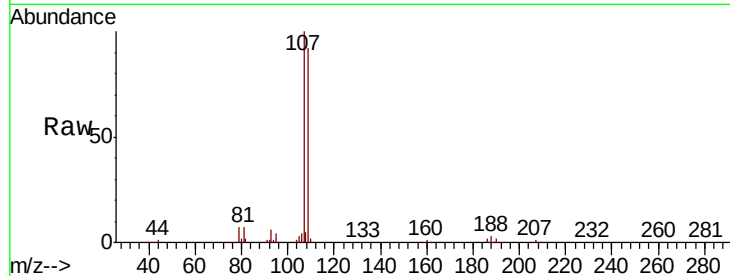




#61
 1,2-Dibromoethane
 Concen: 50.135 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

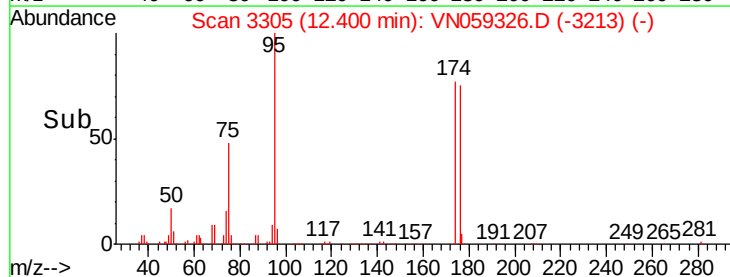
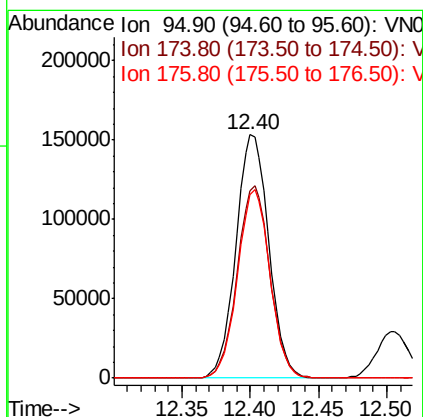
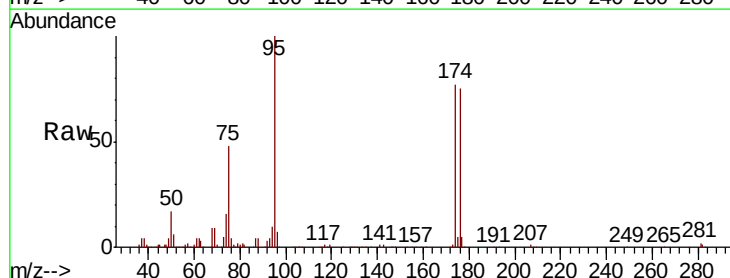
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

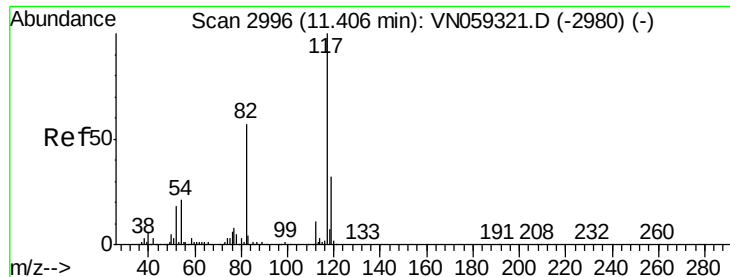
Tot Ion: 107 Resp: 227279
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.106 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion: 95 Resp: 257006
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 157.4
 176 76.2 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

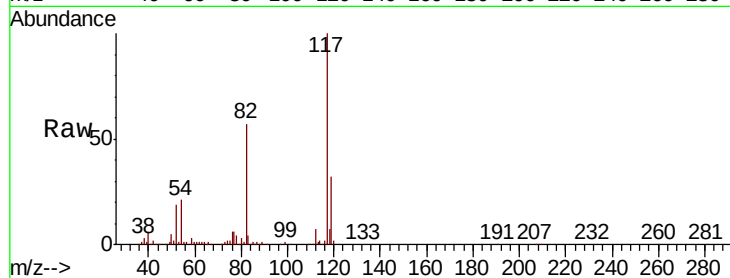
Tot Ion:117 Resp: 554623

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

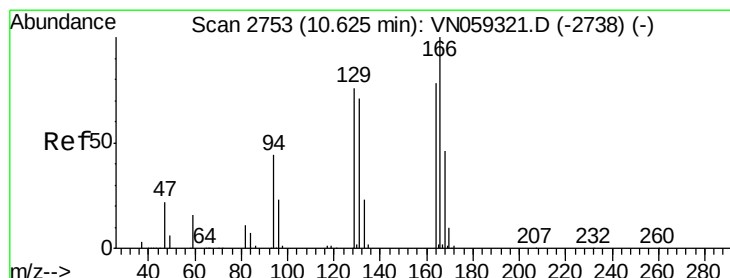
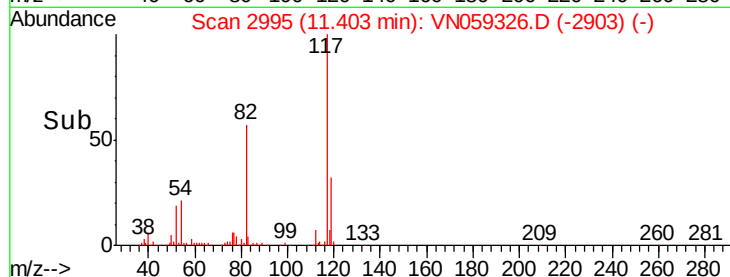
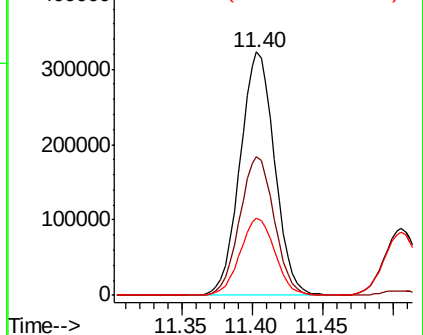
119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.120 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Tgt Ion:164 Resp: 214990

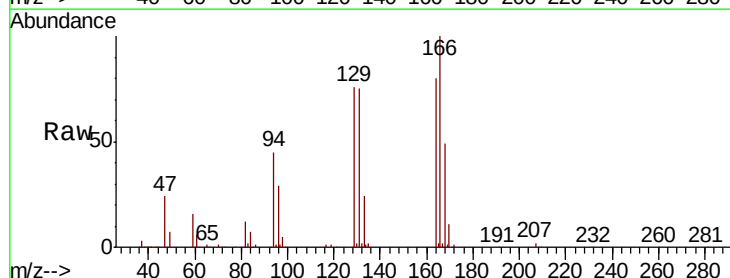
Ion Ratio Lower Upper

164 100

166 124.3 102.9 154.3

129 95.1 78.2 117.2

131 93.6 72.6 109.0

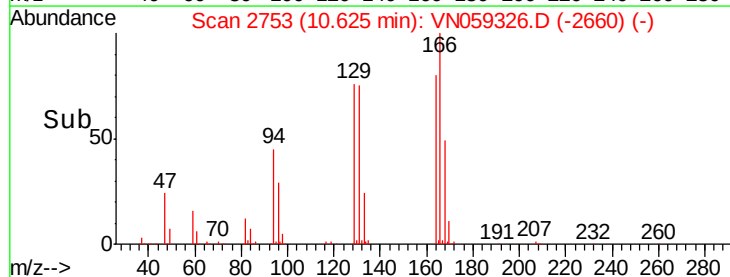
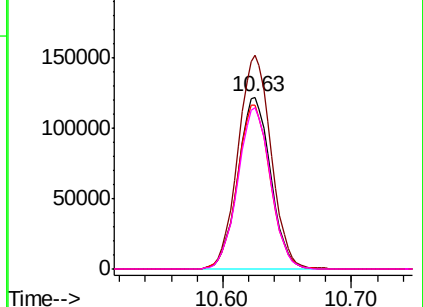


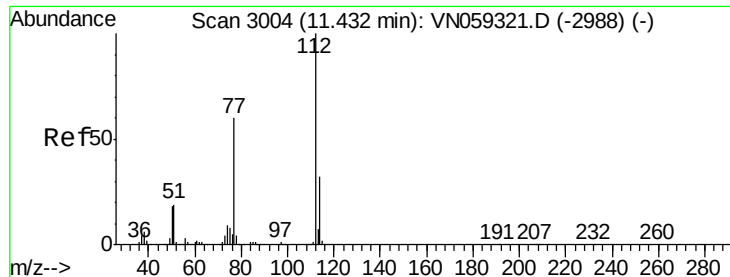
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

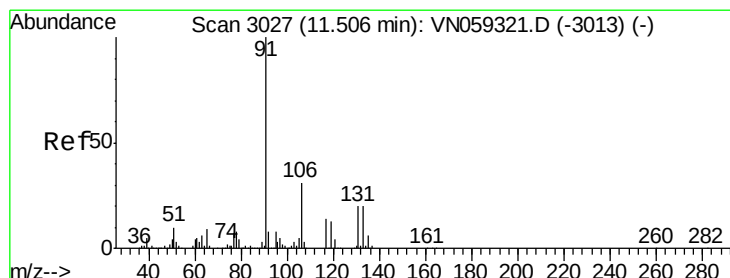
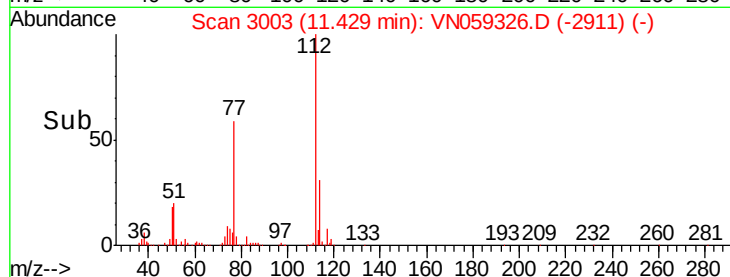
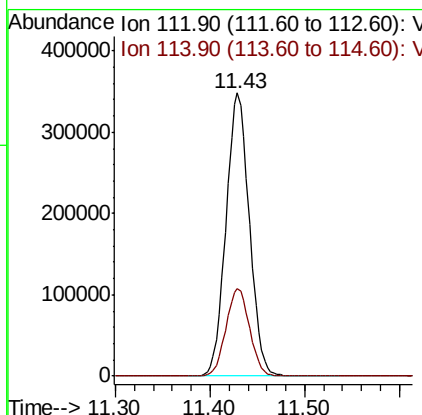
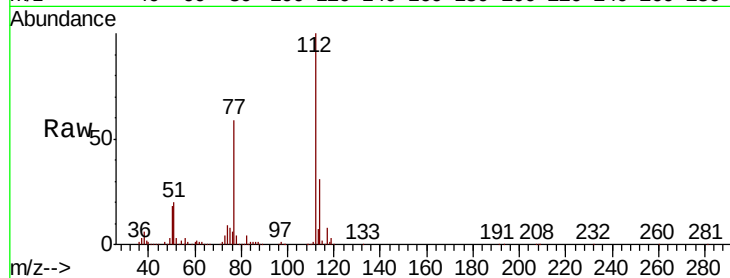




#65
Chlorobenzene
Concen: 49.954 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

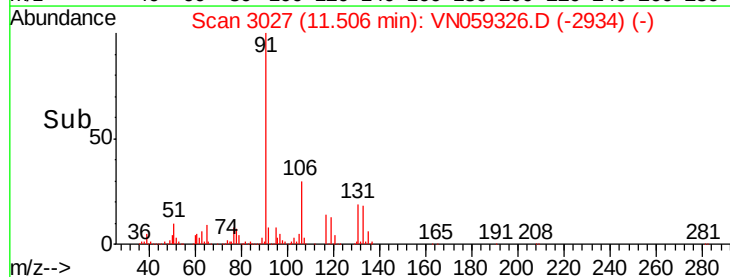
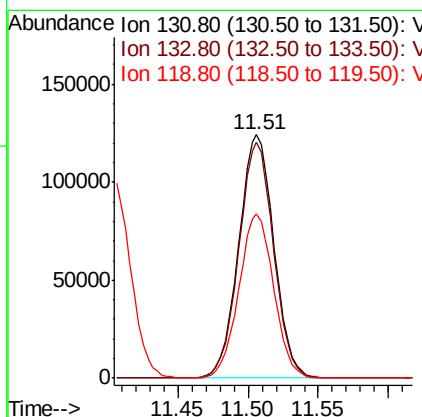
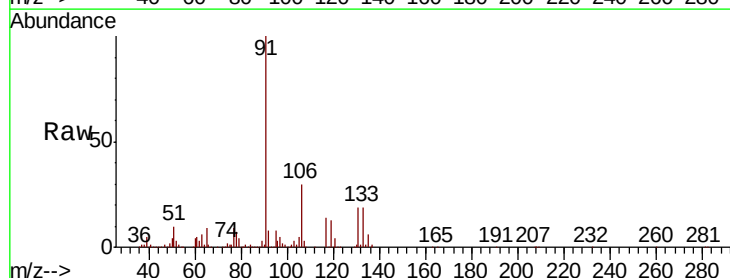
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

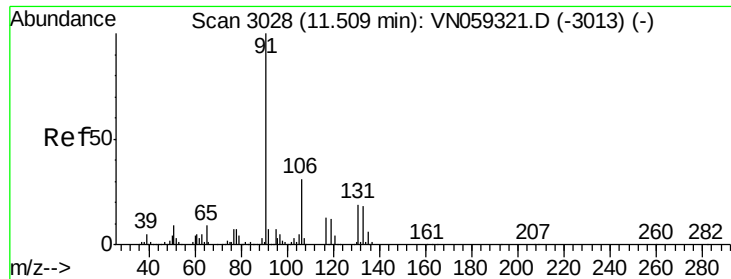
Tot Ion:112 Resp: 595732
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.046 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion:131 Resp: 216817
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 67.0 33.6 100.6





#67

Ethyl Benzene

Concen: 51.087 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

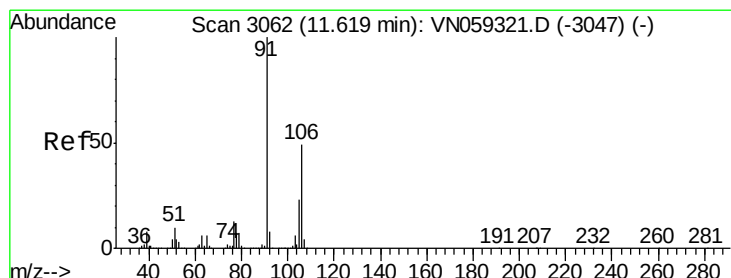
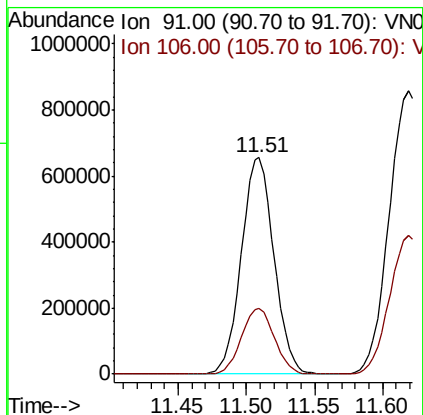
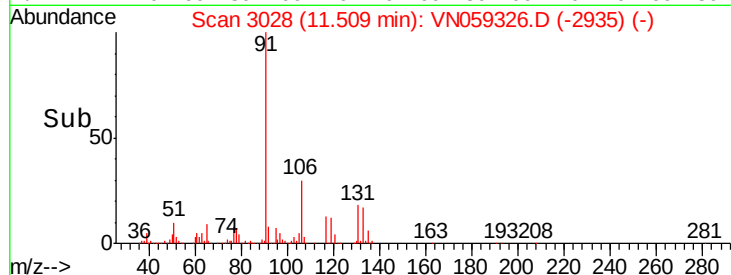
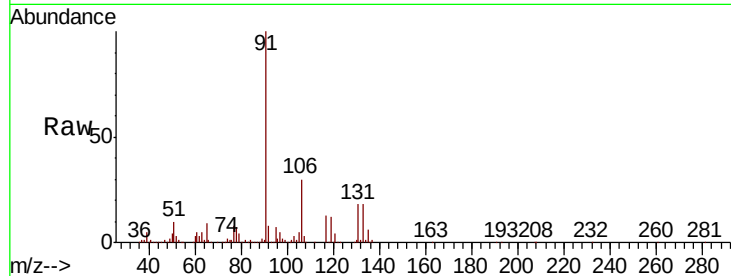
ICVFN112019

Tot Ion: 91 Resp: 1087794

Ion Ratio Lower Upper

91 100

106 30.4 24.6 37.0



#68

m/p-Xylenes

Concen: 102.612 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059326.D

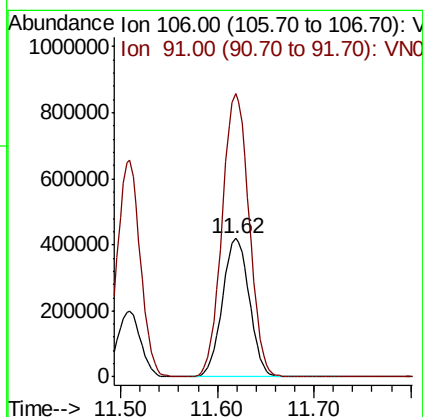
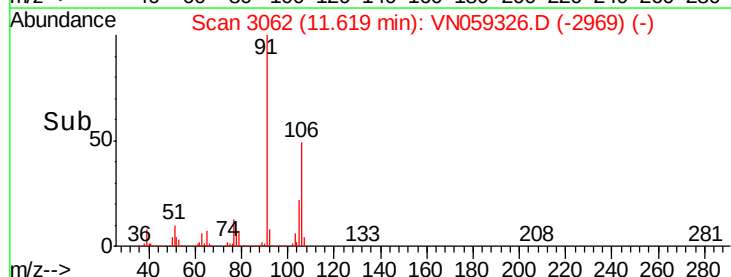
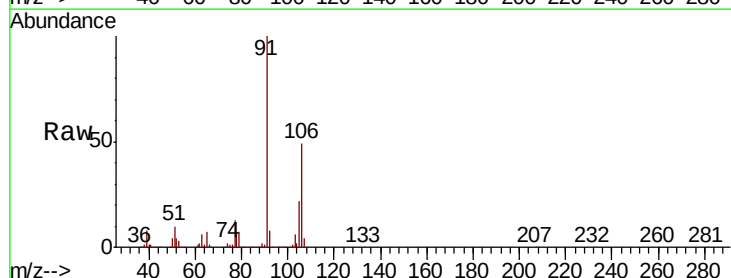
Acq: 20 Nov 2019 16:43

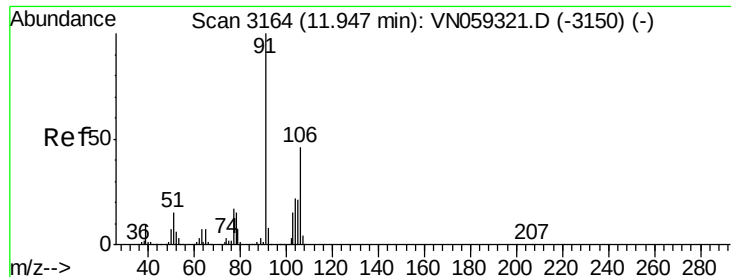
Tgt Ion: 106 Resp: 811876

Ion Ratio Lower Upper

106 100

91 204.8 163.2 244.8





#69

o-Xylene

Concen: 51.052 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampled :

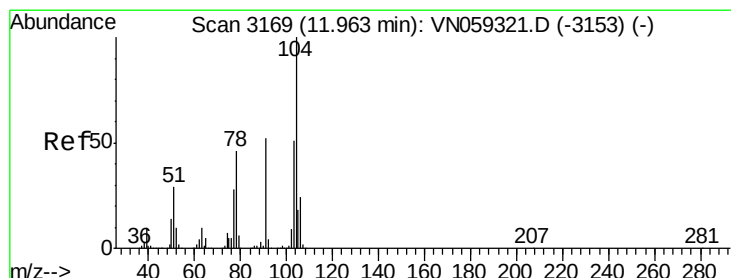
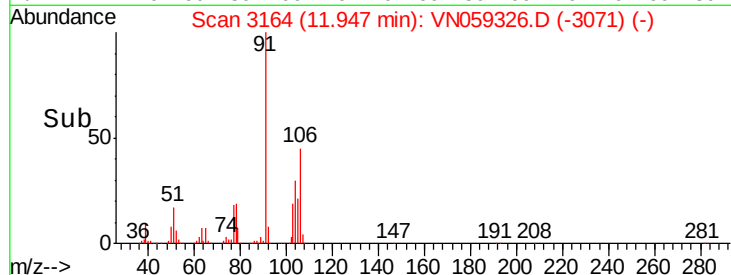
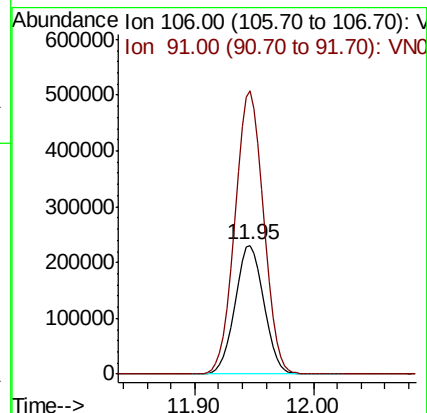
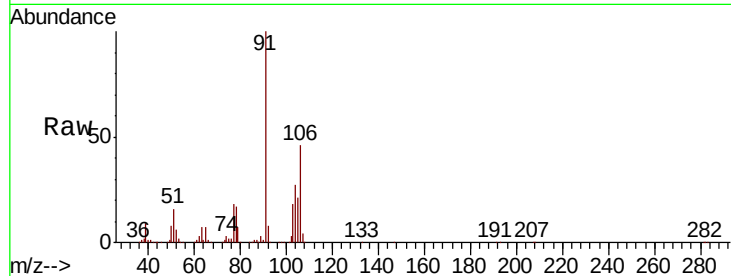
ICVFN112019

Tot Ion:106 Resp: 386702

Ion Ratio Lower Upper

106 100

91 218.8 109.3 327.9



#70

Styrene

Concen: 52.928 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

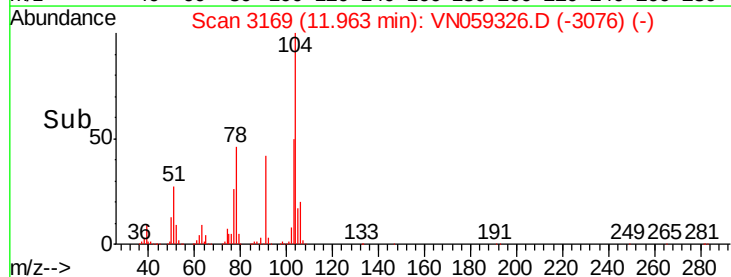
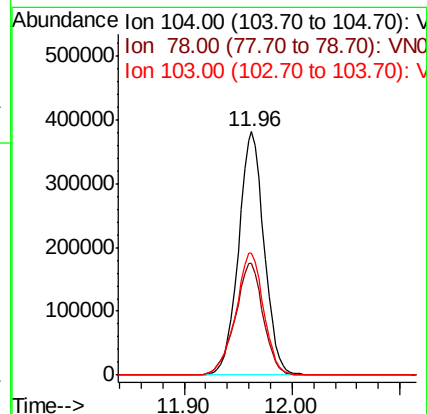
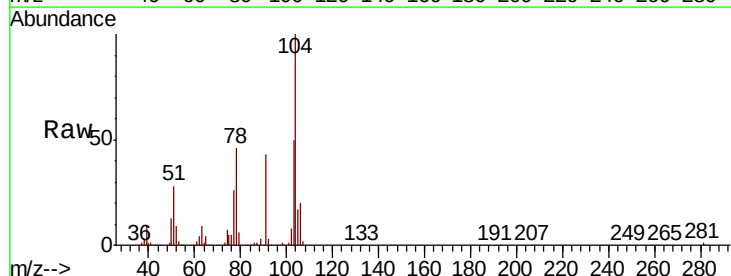
Tgt Ion:104 Resp: 632594

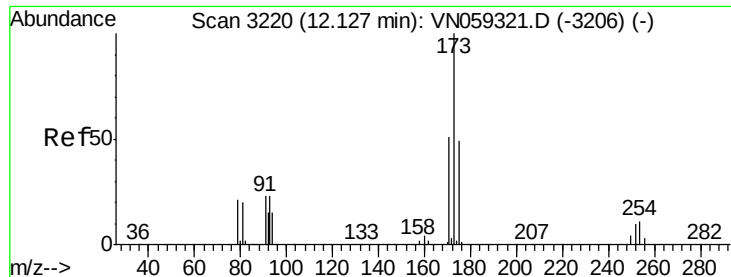
Ion Ratio Lower Upper

104 100

78 50.5 40.3 60.5

103 55.0 43.6 65.4





#71

Bromoform

Concen: 51.386 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

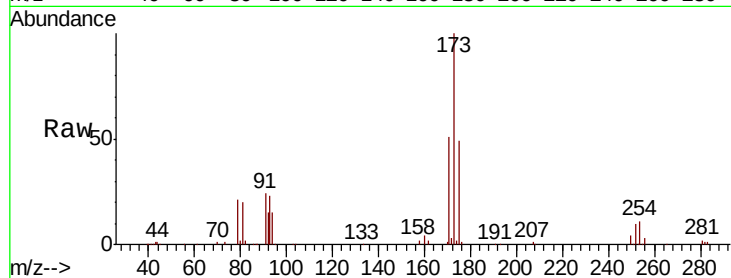
Tot Ion:173 Resp: 168601

Ion Ratio Lower Upper

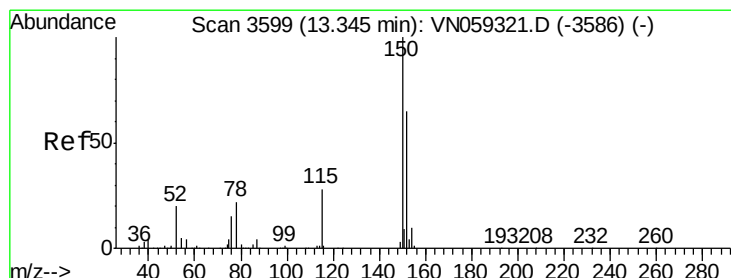
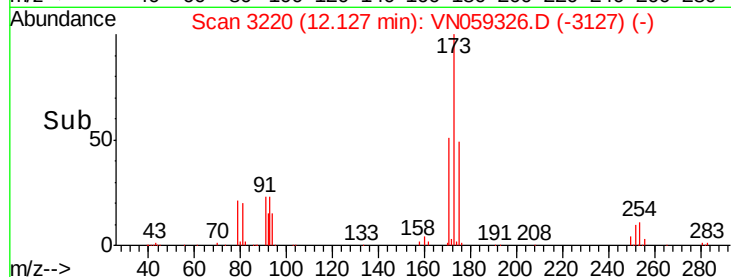
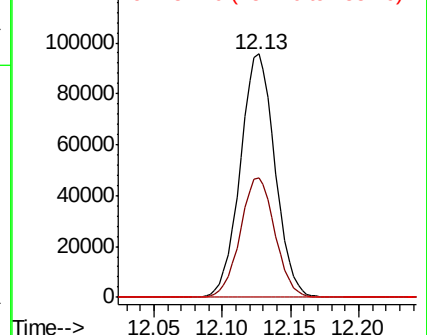
173 100

175 48.9 24.6 73.6

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

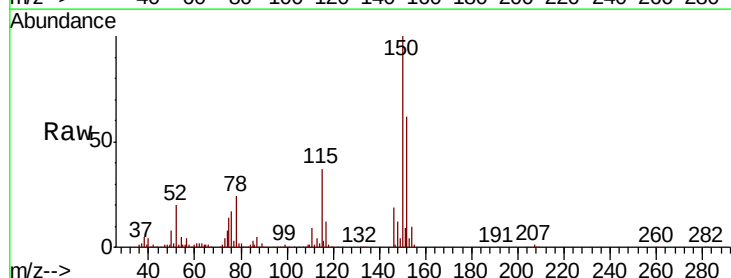
Tgt Ion:152 Resp: 260517

Ion Ratio Lower Upper

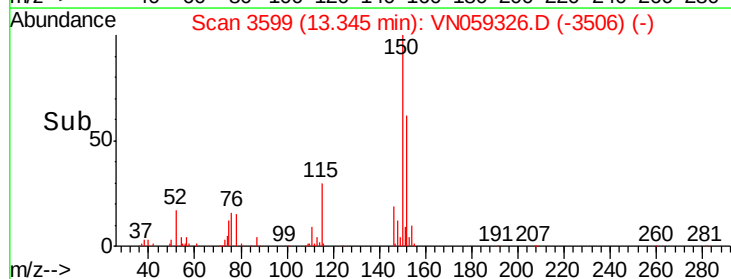
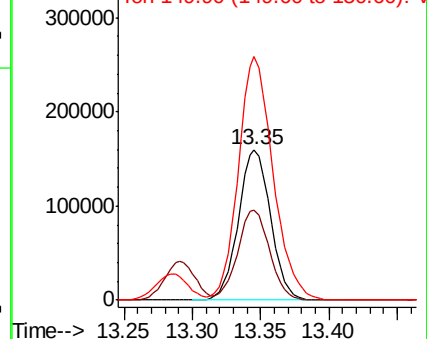
152 100

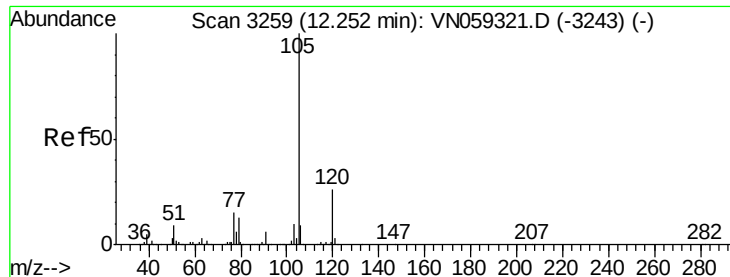
115 59.5 29.3 88.0

150 174.9 0.0 346.0



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: 49.011 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

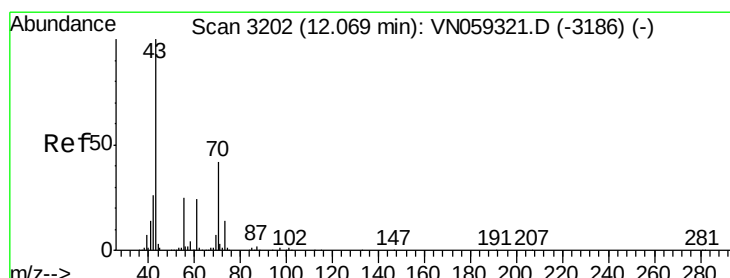
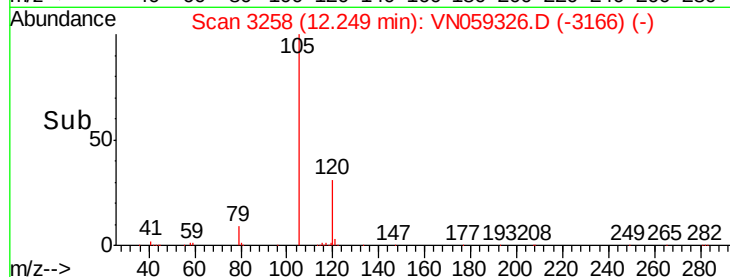
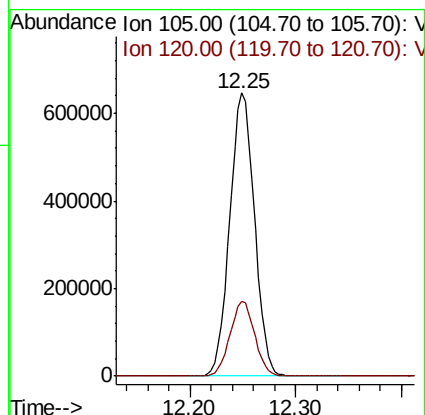
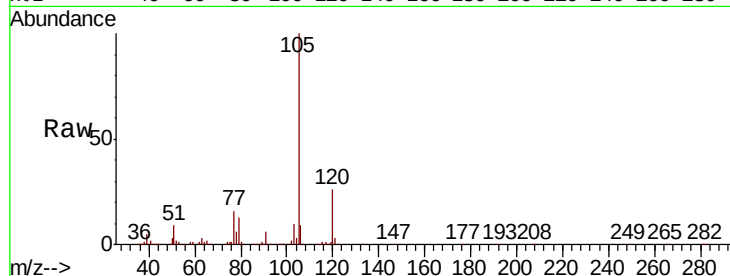
ICVFN112019

Tot Ion:105 Resp: 1045955

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 50.090 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Tgt Ion: 43 Resp: 429615

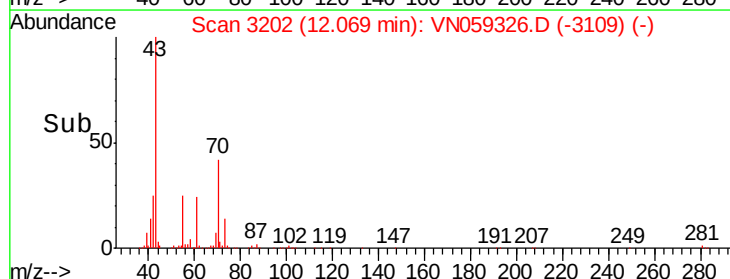
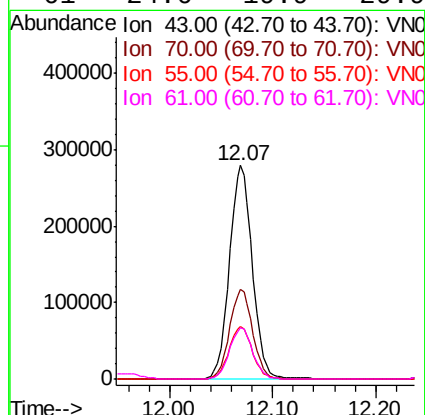
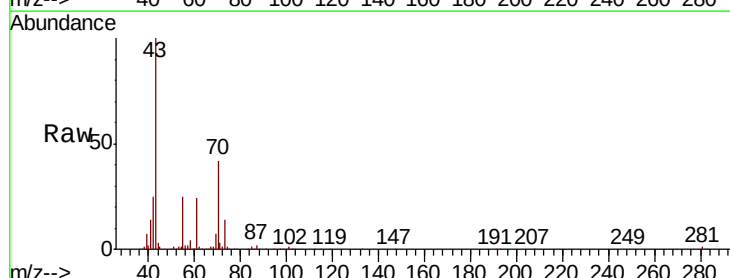
Ion Ratio Lower Upper

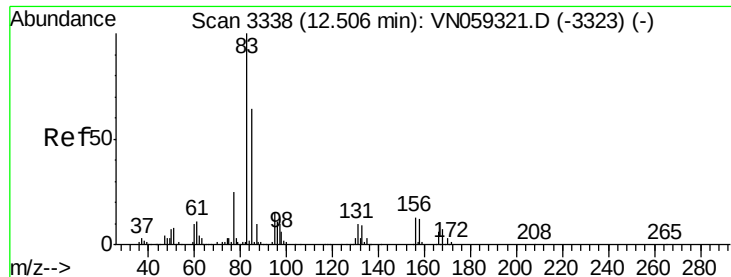
43 100

70 42.4 33.8 50.6

55 25.3 20.3 30.5

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.029 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVFN112019

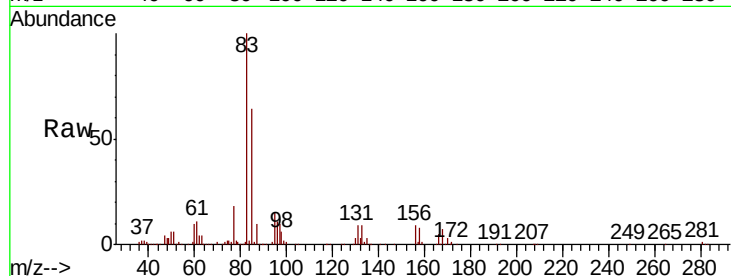
Tot Ion: 83 Resp: 324950

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

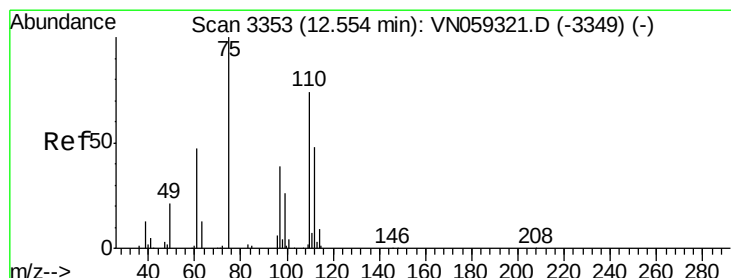
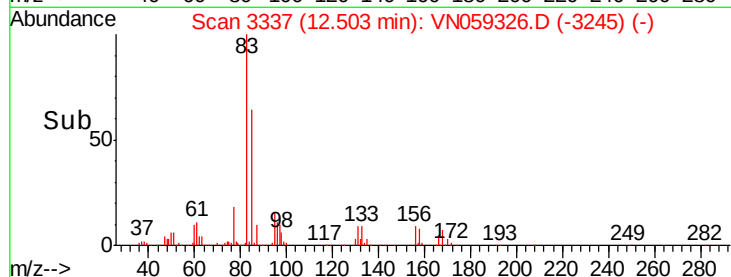
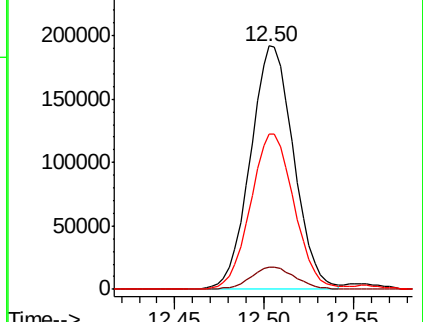
85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059326.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059326.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059326.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 72.885 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059326.D

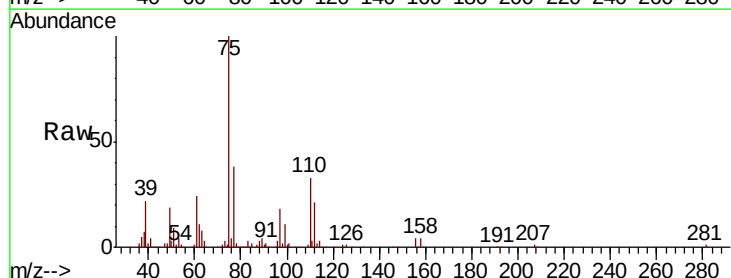
Acq: 20 Nov 2019 16:43

Tgt Ion: 75 Resp: 438668

Ion Ratio Lower Upper

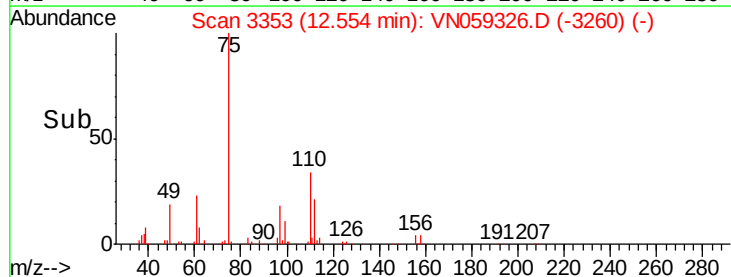
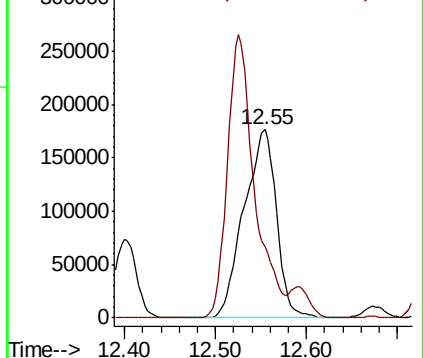
75 100

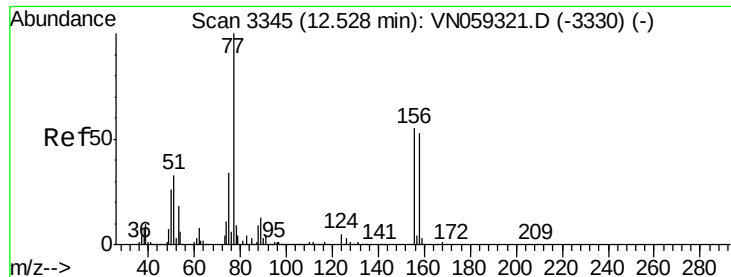
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059326.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059326.D (-3260) (-)





#77

Bromobenzene

Concen: 47.822 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

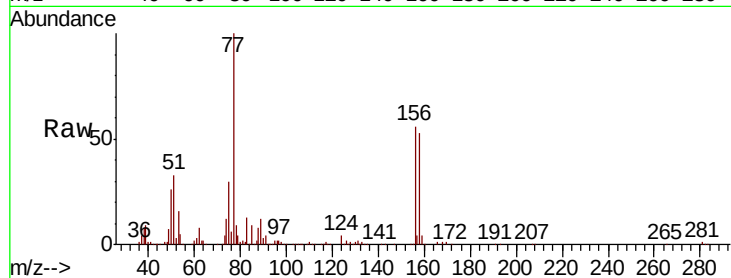
Tot Ion:156 Resp: 247542

Ion Ratio Lower Upper

156 100

77 221.2 111.1 333.4

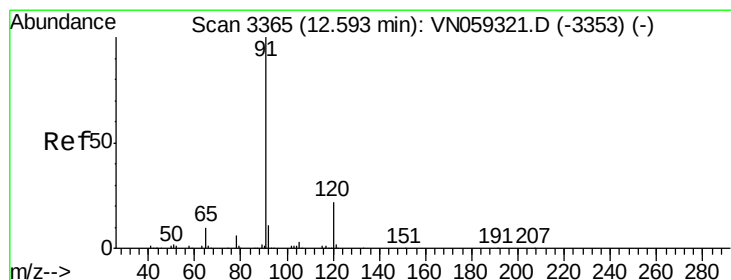
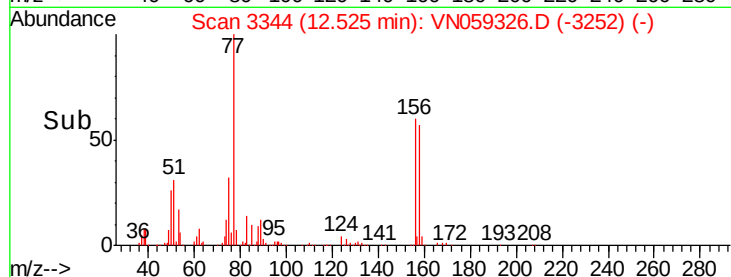
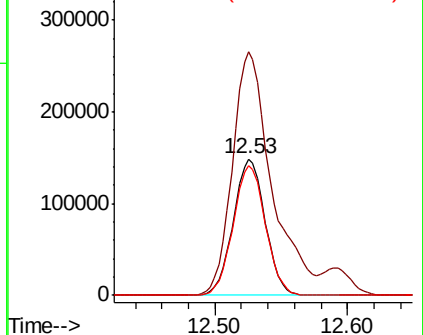
158 96.3 47.8 143.4



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: 50.701 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059326.D

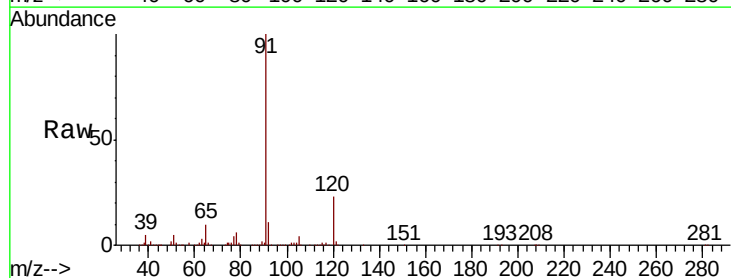
Acq: 20 Nov 2019 16:43

Tgt Ion: 91 Resp: 1225639

Ion Ratio Lower Upper

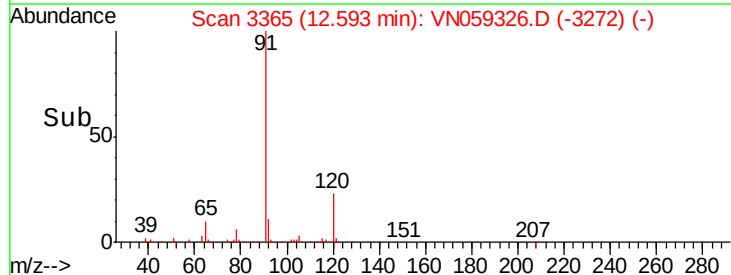
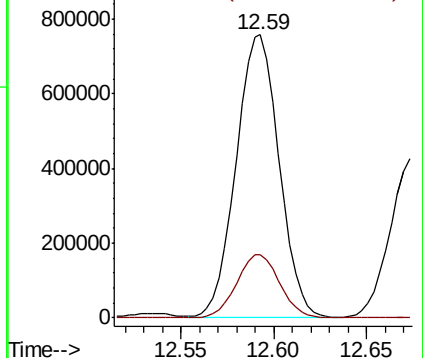
91 100

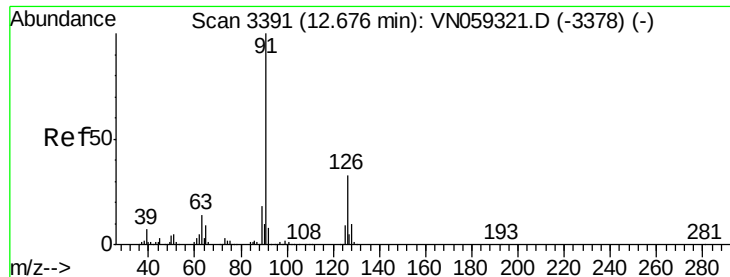
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.906 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

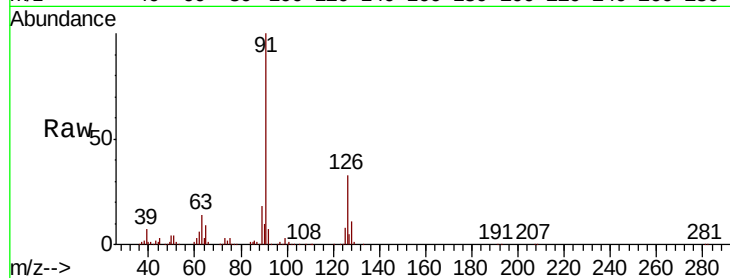
ICVFN112019

Tot Ion: 91 Resp: 710834

Ion Ratio Lower Upper

91 100

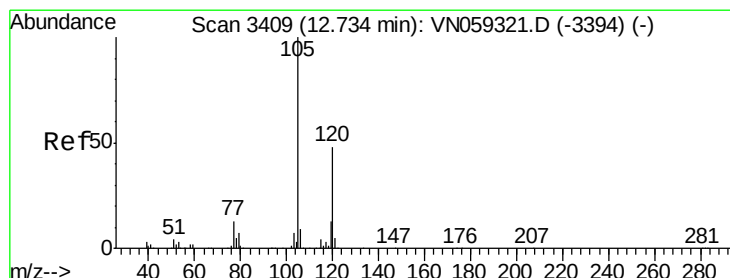
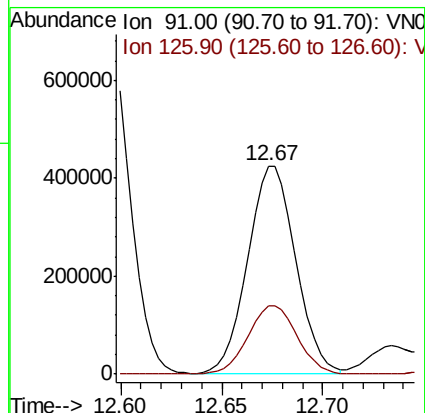
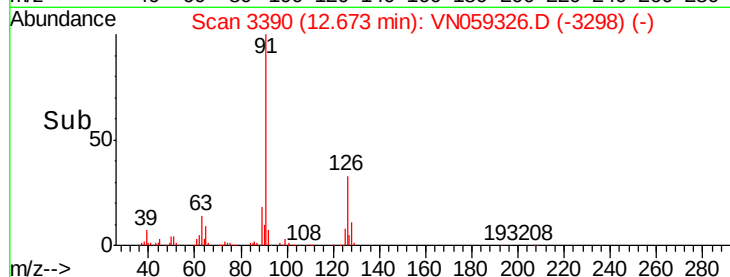
126 33.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.248 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059326.D

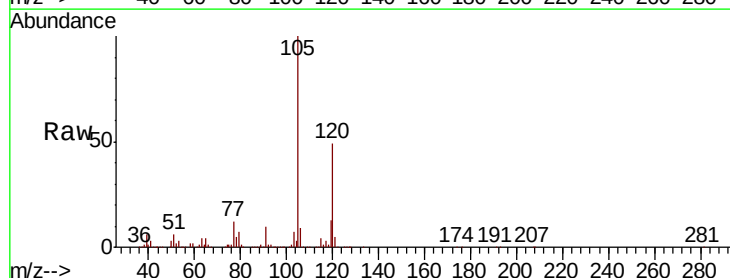
Acq: 20 Nov 2019 16:43

Tgt Ion:105 Resp: 883518

Ion Ratio Lower Upper

105 100

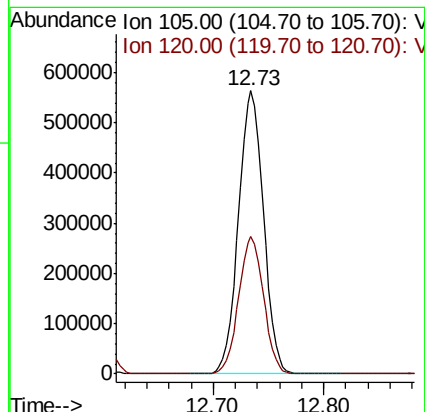
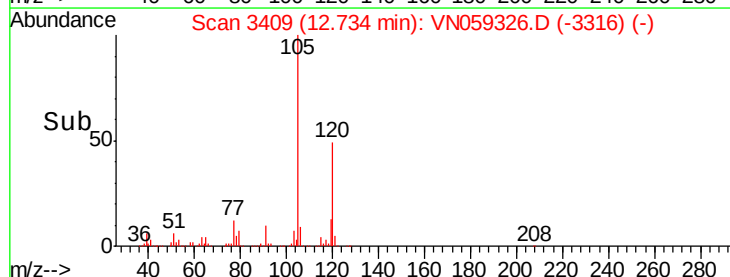
120 48.4 24.1 72.4

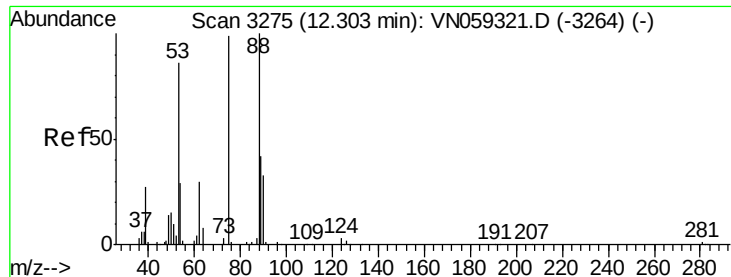


Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

Time-->

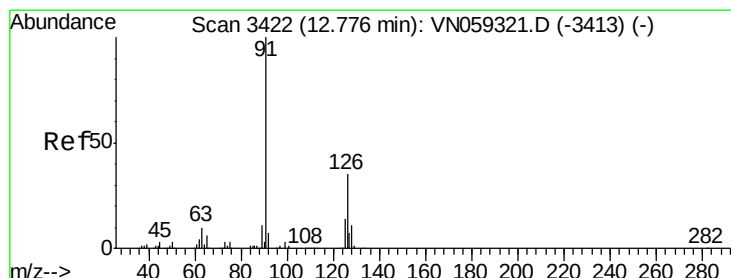
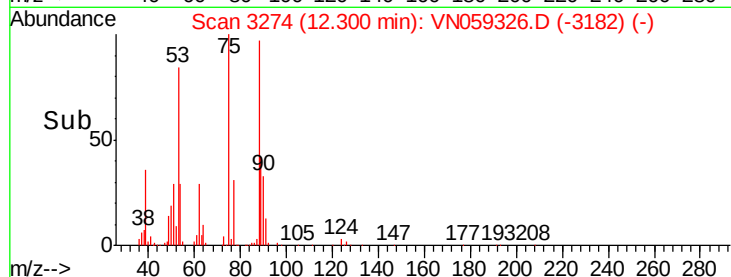
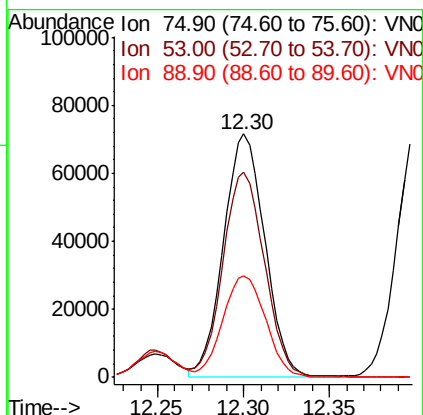
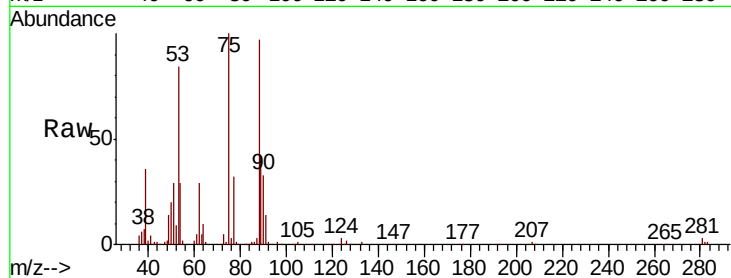




#81
trans-1,4-Dichloro-2-butene
Concen: 49.181 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

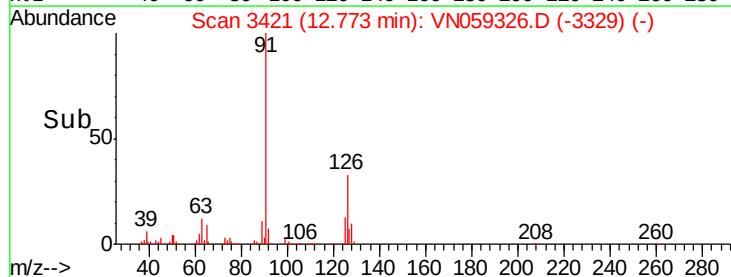
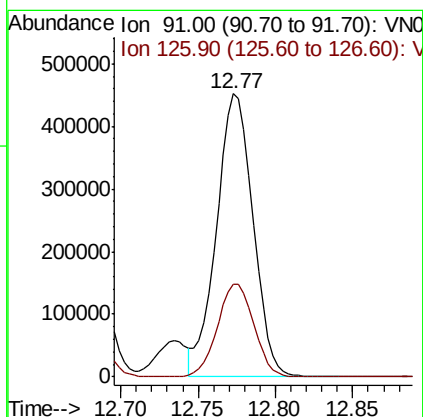
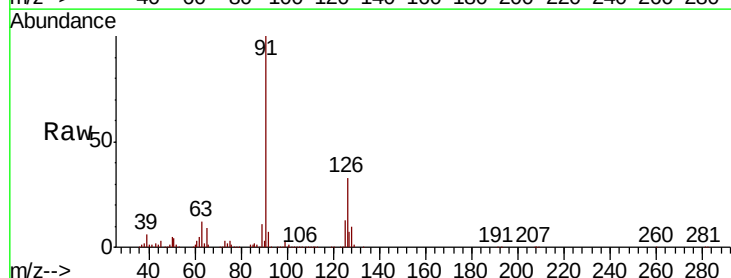
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

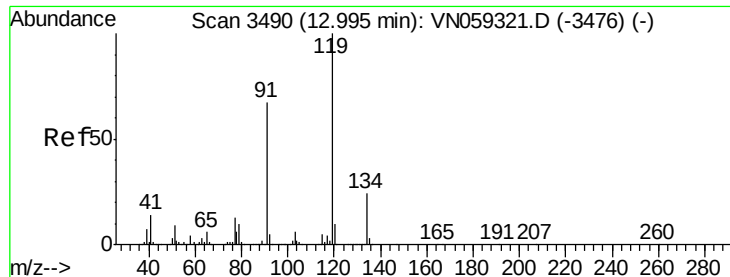
Tot Ion: 75 Resp: 118344
Ion Ratio Lower Upper
75 100
53 85.4 70.7 106.1
89 43.6 35.4 53.0



#82
4-Chlorotoluene
Concen: 48.028 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 91 Resp: 737454
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

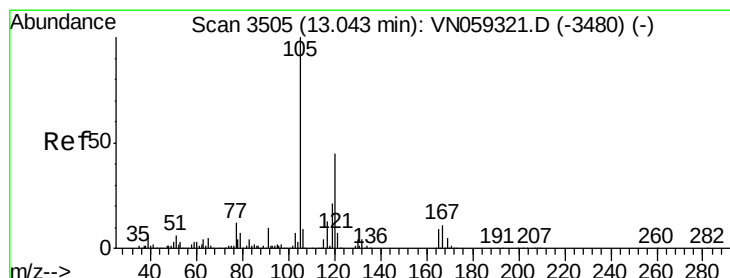
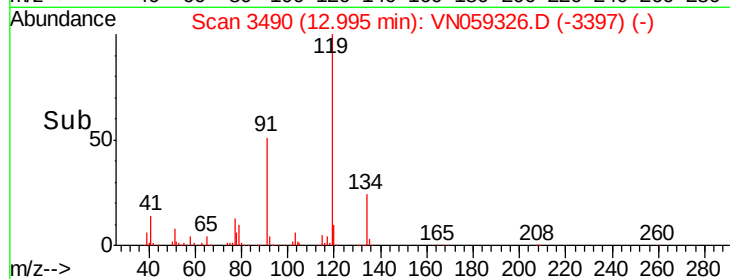
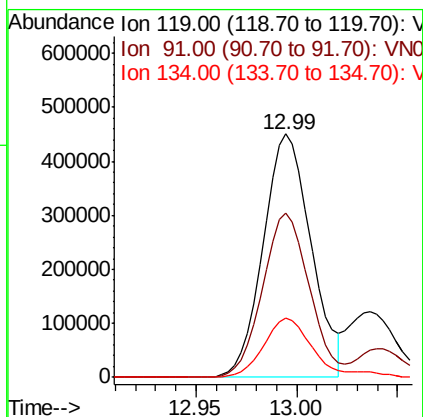
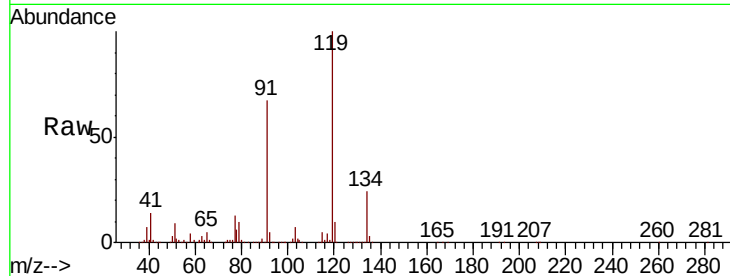




#83
tert-Butylbenzene
Concen: 49.148 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

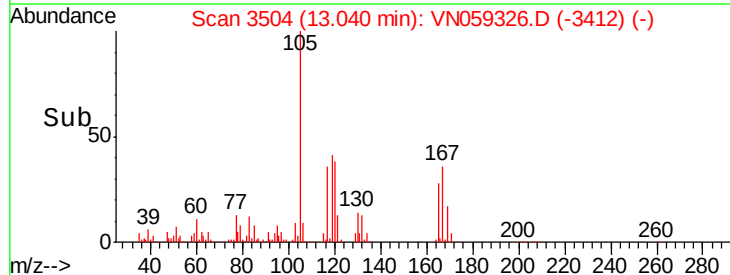
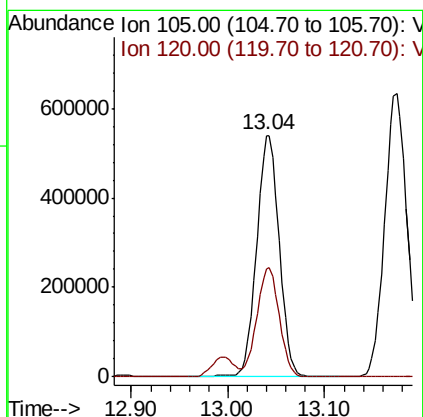
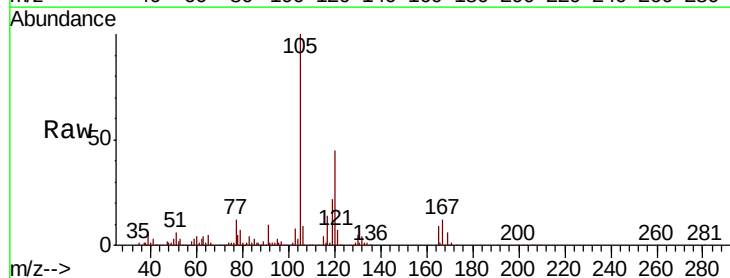
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

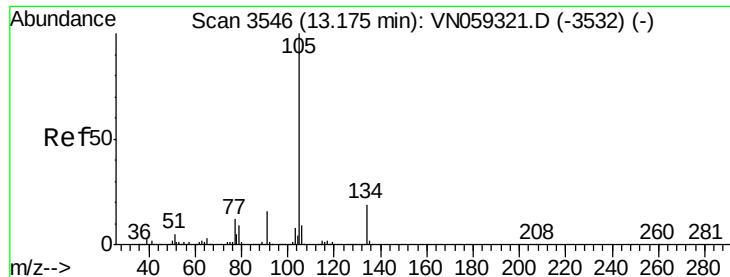
Tot Ion:119 Resp: 744680
Ion Ratio Lower Upper
119 100
91 65.9 32.8 98.4
134 25.5 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 49.732 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion:105 Resp: 873976
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.8





#85

sec-Butylbenzene

Concen: 49.621 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

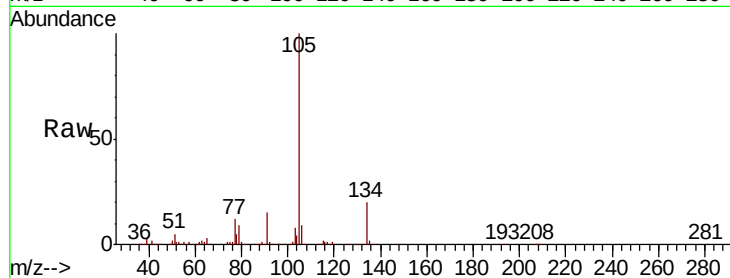
ICVNN112019

Tot Ion:105 Resp: 1010519

Ion Ratio Lower Upper

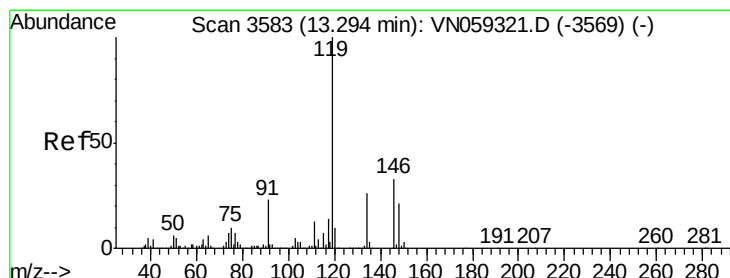
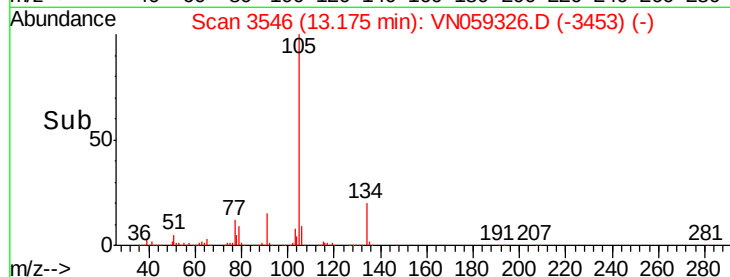
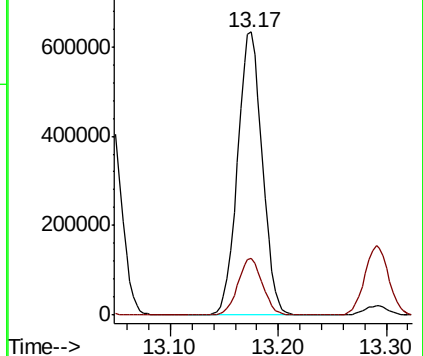
105 100

134 19.9 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: 50.814 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

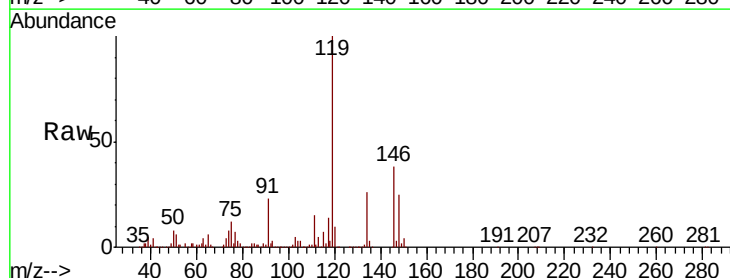
Tgt Ion:119 Resp: 920836

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

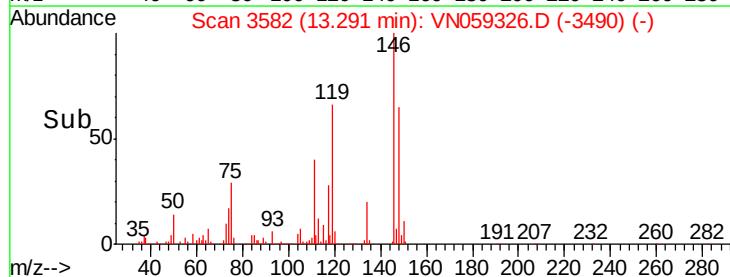
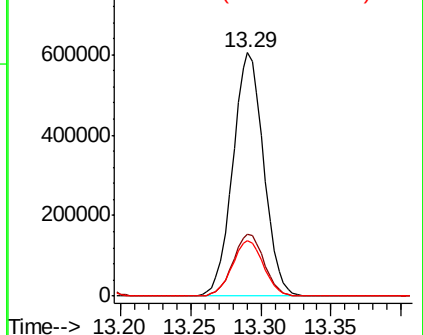
91 23.1 11.6 34.7

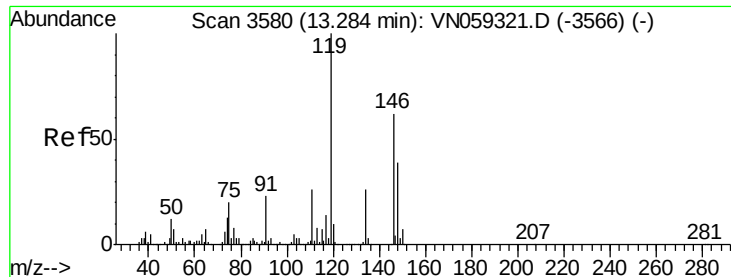


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

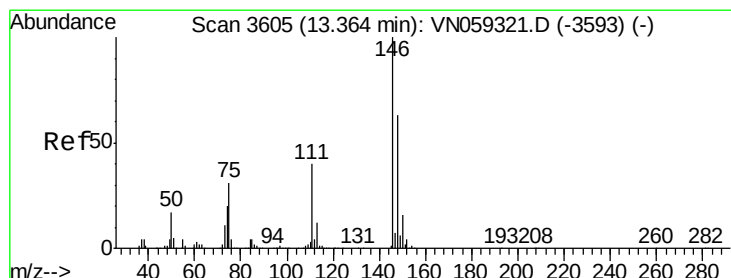
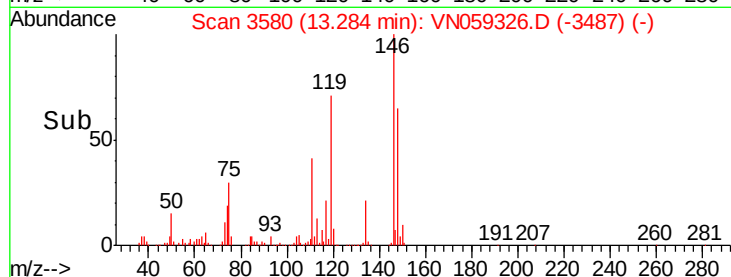
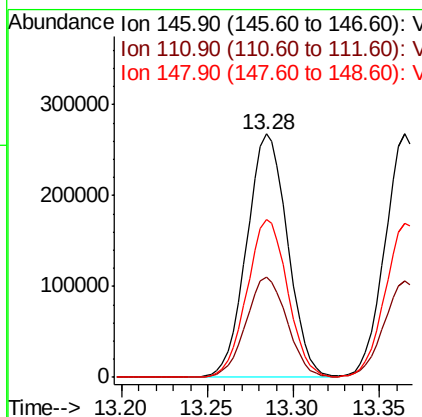
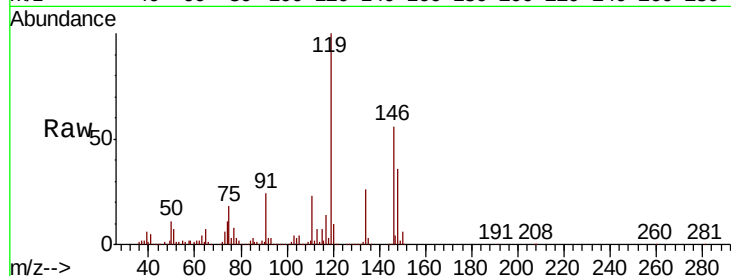




#87
 1,3-Dichlorobenzene
 Concen: 48.076 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

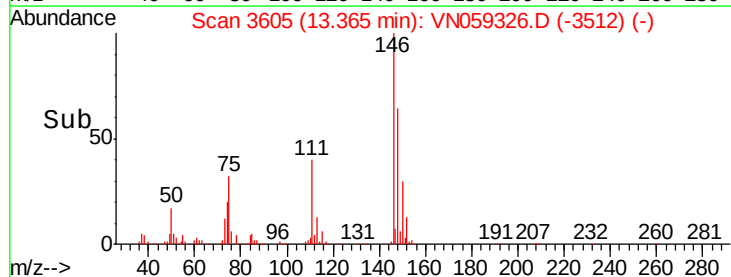
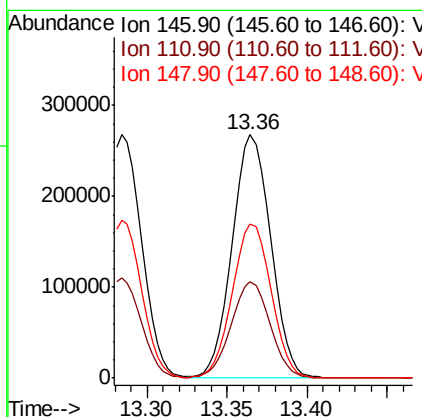
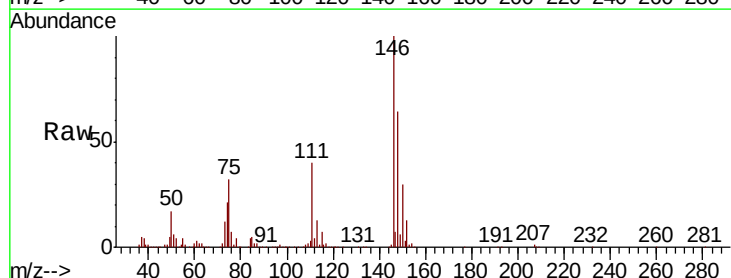
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

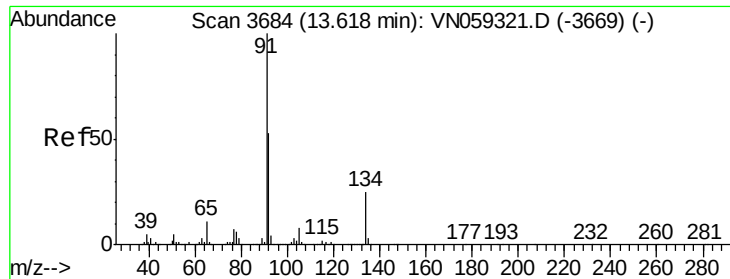
Tot Ion:146 Resp: 443179
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.8
 148 64.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.137 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion:146 Resp: 439037
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.1 60.3
 148 64.0 31.7 95.1

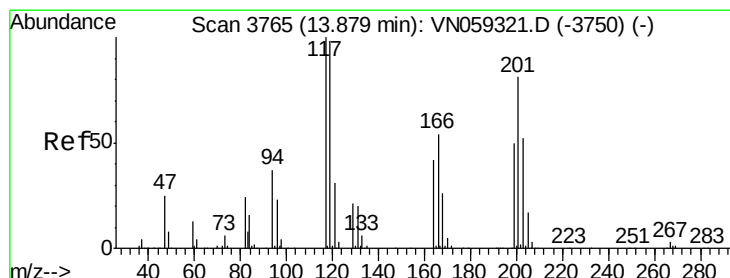
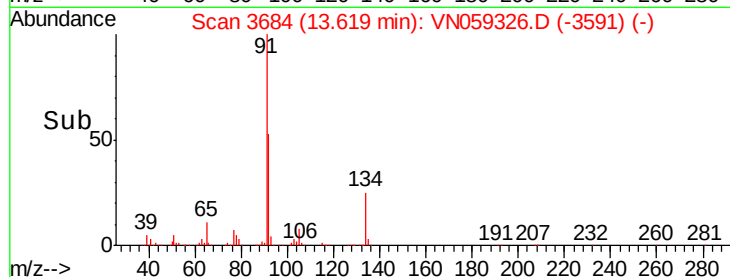
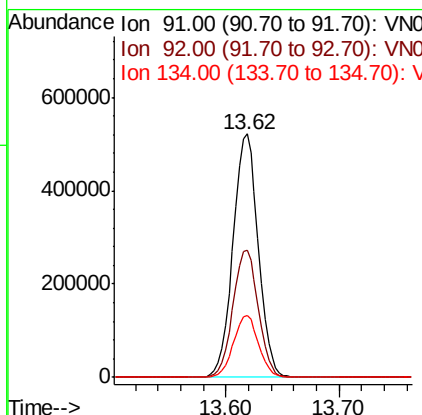
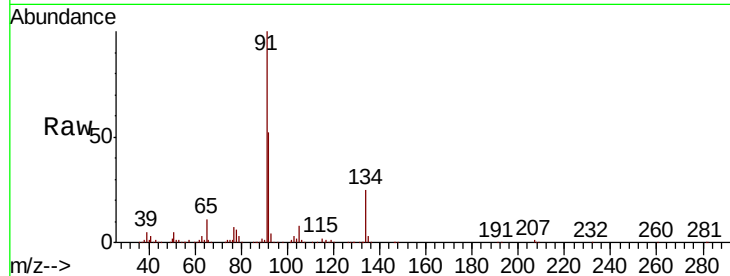




#89
n-Butylbenzene
Concen: 50.864 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

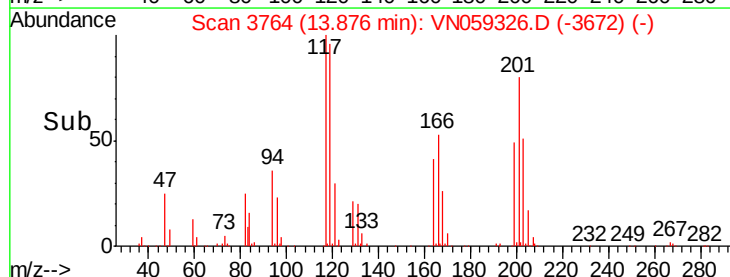
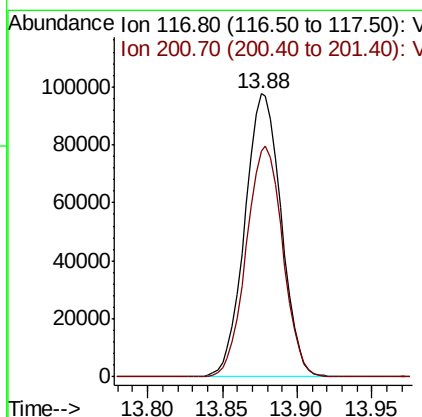
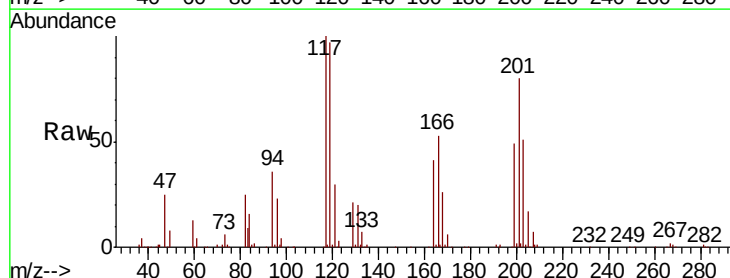
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

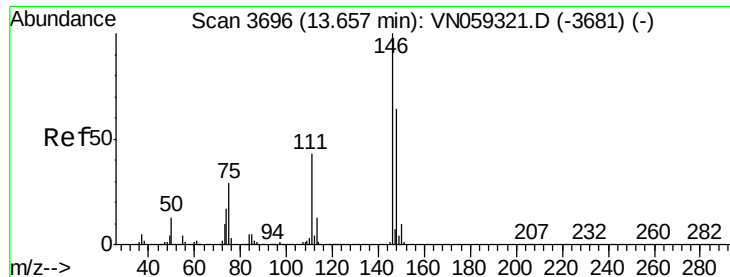
Tot Ion: 91 Resp: 808573
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 25.3 12.7 38.1



#90
Hexachloroethane
Concen: 48.144 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 16:43

Tgt Ion: 117 Resp: 165226
Ion Ratio Lower Upper
117 100
201 81.7 40.4 121.2





#91

1,2-Dichlorobenzene

Concen: 47.920 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

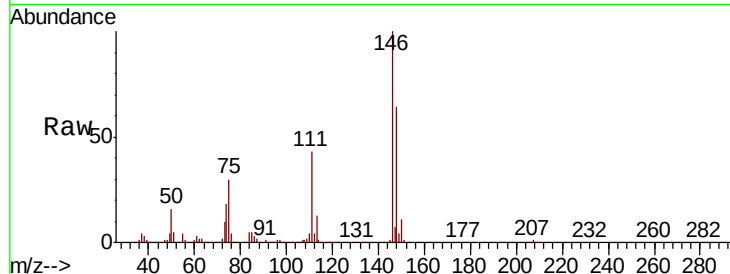
Tot Ion:146 Resp: 427387

Ion Ratio Lower Upper

146 100

111 42.9 21.3 64.0

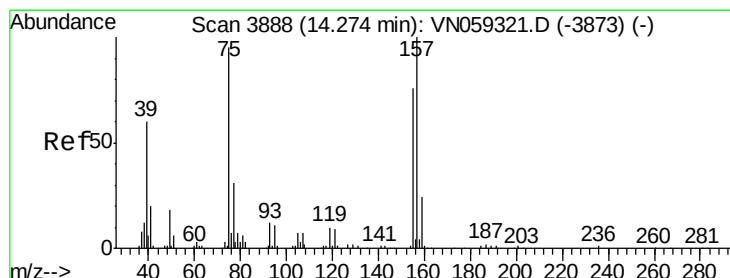
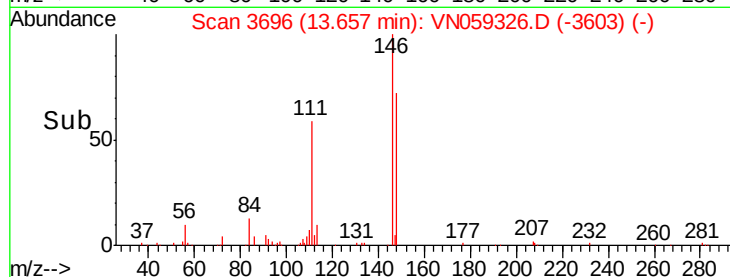
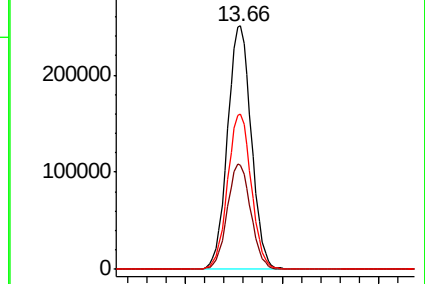
148 63.5 31.9 95.5



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: 42.694 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

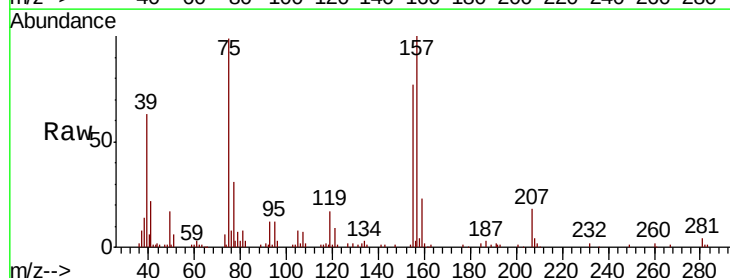
Tgt Ion: 75 Resp: 64080

Ion Ratio Lower Upper

75 100

155 80.6 40.5 121.5

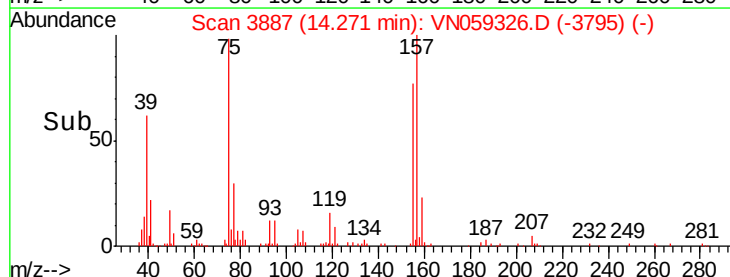
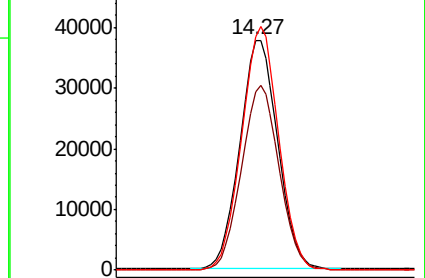
157 104.0 52.7 158.1

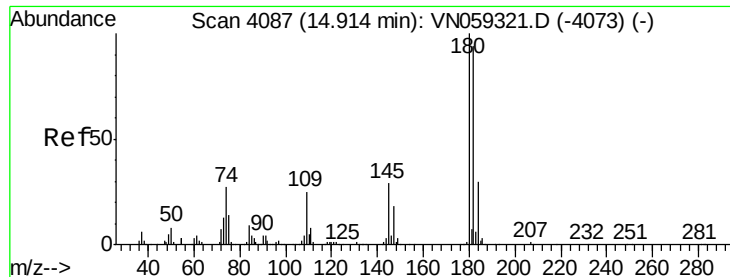


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

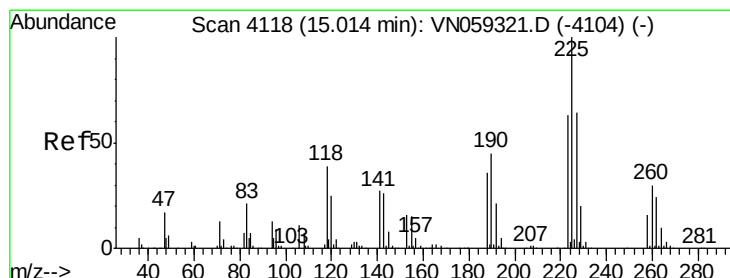
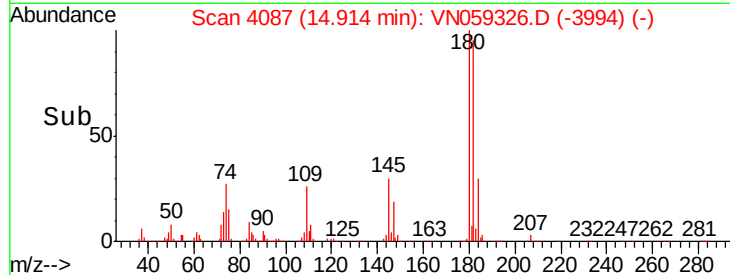
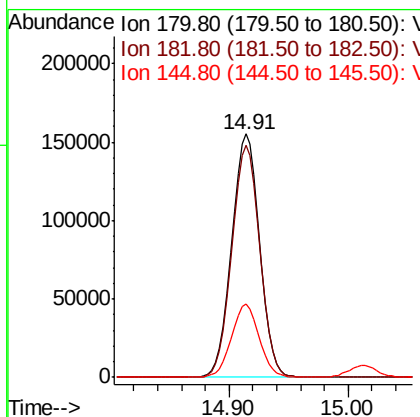
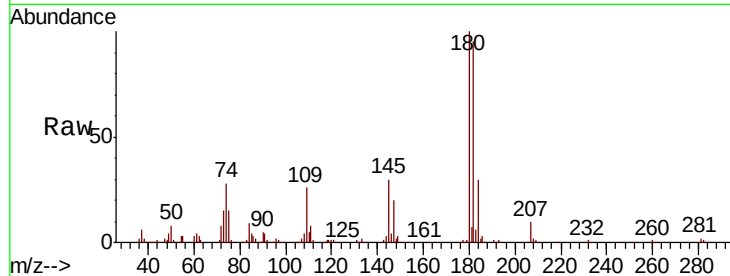




#93
 1,2,4-Trichlorobenzene
 Concen: 45.594 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

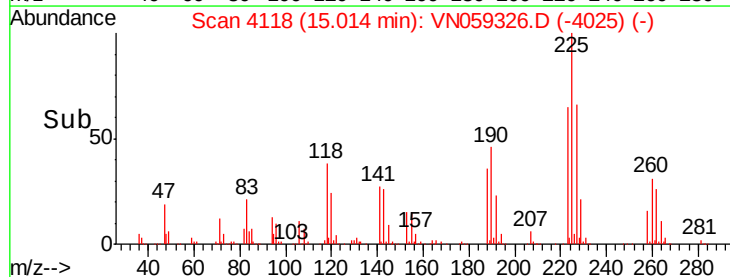
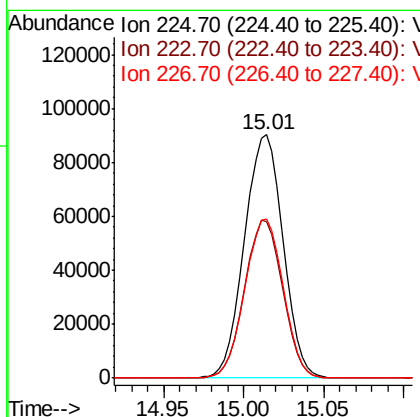
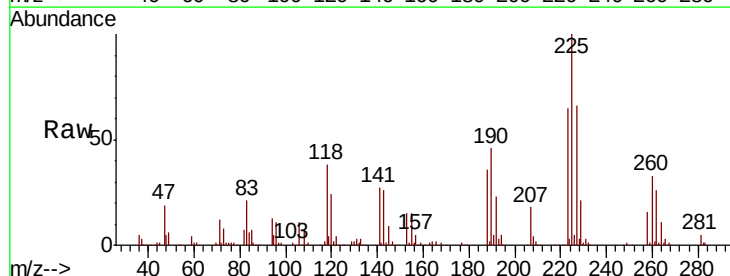
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

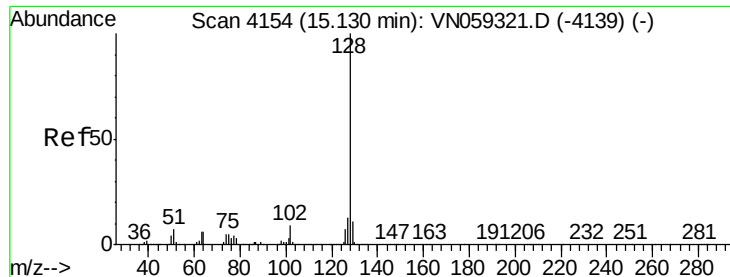
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.2	141.6
145	30.0	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 46.383 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 16:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.6	94.8
227	64.9	32.6	97.7





#95

Naphthalene

Concen: 43.110 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

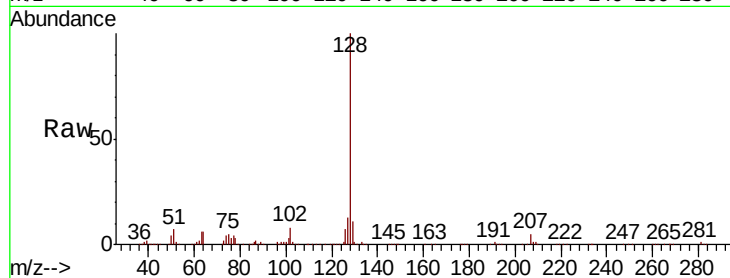
Tot Ion:128 Resp: 654988

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

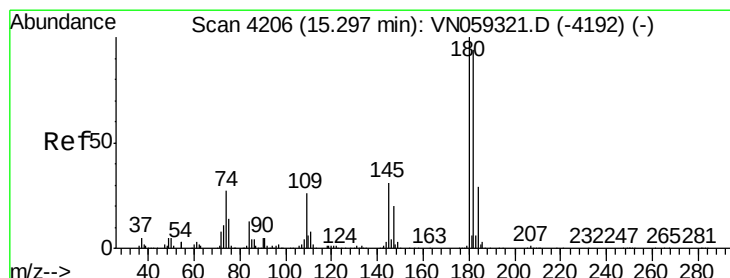
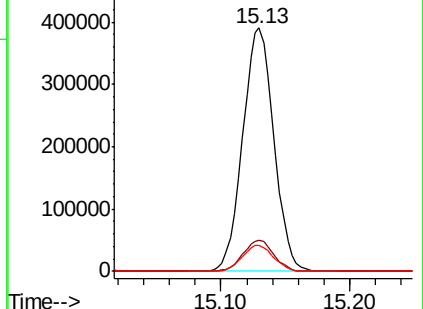
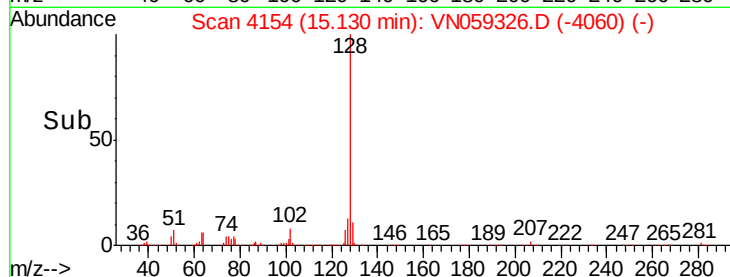
129 10.8 8.6 13.0



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: 44.653 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 16:43

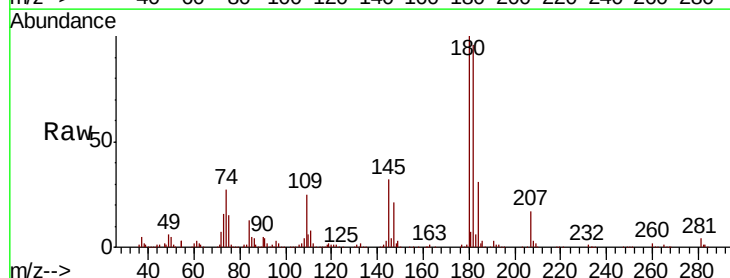
Tgt Ion:180 Resp: 241964

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.4

145 32.4 15.6 46.8



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

