

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051997.D
 Acq On : 24 Oct 2018 19:20
 Operator : MD\SY
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 25 01:24:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	167562	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	949384	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	852012	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	292278	28.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.57%
60) 4-Bromofluorobenzene	12.40	95	351567	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	1082602	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	134355	20.639	ug/l 98
3) Chloromethane	2.06	50	118095	17.165	ug/l 97
4) Vinyl Chloride	2.19	62	147638	14.370	ug/l 100
5) Bromomethane	2.55	94	149581	16.477	ug/l 86
6) Chloroethane	2.70	64	113399	15.315	ug/l 97
7) Trichlorofluoromethane	3.02	101	288759	19.713	ug/l 94
8) Diethyl Ether	3.42	74	85651	20.086	ug/l 67
9) 1,1,2-Trichlorotrifluoroet	3.77	101	177372	21.263	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	158925	20.600	ug/l # 78
11) Methyl Iodide	3.96	142	263886	23.530	ug/l 95
12) Methyl Acetate	4.33	43	97403	20.332	ug/l # 89
13) Acrolein	3.67	56	264	0.836	ug/l 90
14) Acrylonitrile	4.99	53	190284	88.872	ug/l # 60
15) Acetone	3.82	58	41540	78.484	ug/l 99
16) Carbon Disulfide	4.06	76	320179	15.803	ug/l 97
17) Allyl chloride	4.33	41	144322	15.757	ug/l 72
18) Methylene Chloride	4.55	84	184383	21.376	ug/l 87
19) trans-1,2-Dichloroethene	5.05	96	173272	19.670	ug/l # 79
20) Diisopropyl ether	5.95	45	380926	18.674	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	272411	19.112	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	208155	20.118	ug/l # 77
23) tert-Butyl Alcohol	4.78	59	14316	25.388	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	406010	18.267	ug/l 97
25) Chloroform	7.37	83	336653	19.909	ug/l 98
26) Cyclohexane	7.66	56	209476	17.335	ug/l # 68
29) 1,1-Dichloropropene	7.80	75	229026	18.715	ug/l 92
30) 2-Butanone	6.84	43	193658	75.712	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	229041	15.910	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	302080	18.619	ug/l 94
33) Carbon Tetrachloride	7.78	117	265909	18.115	ug/l 91
34) Benzene	8.04	78	705522	19.490	ug/l # 65
35) Methacrylonitrile	7.17	41	40967	12.191	ug/l # 69
36) 1,2-Dichloroethane	8.13	62	222662	19.197	ug/l 96
37) Trichloroethene	8.84	130	225916	20.105	ug/l 93
38) Methylcyclohexane	9.08	83	267288	17.029	ug/l 78
39) 1,2-Dichloropropane	9.12	63	161580	18.954	ug/l 98
40) Dibromomethane	9.21	93	125099	19.772	ug/l 93

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

41) Bromodichloromethane	9.40	83	232438	17.786	ug/l	95
42) Vinyl Acetate	5.90	43	1192272	82.804	ug/l #	88
43) Ethyl Acetate	6.92	43	96705	17.412	ug/l	97
44) Isopropyl Acetate	8.17	43	176892	15.946	ug/l	94
45) 1,4-Dioxane	9.20	88	20281	227.684	ug/l #	71
46) Methyl methacrylate	9.20	41	86308	16.867	ug/l	71
47) n-amyl Acetate	12.24	43	2349	0.253	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	209650	16.451	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242136	17.235	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	171792	19.652	ug/l	95
51) Ethyl methacrylate	10.43	69	177317	17.717	ug/l	81
52) 1,3-Dichloropropane	10.71	76	258156	19.134	ug/l	99
53) Dibromochloromethane	10.90	129	178746	16.528	ug/l	96
54) 1,2-Dibromoethane	11.01	107	171264	18.665	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	482590	112.795	ug/l #	91
56) Bromoform	12.13	173	100129	14.039	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	471597	82.713	ug/l #	86
59) 2-Hexanone	10.75	43	305929	79.534	ug/l #	89
61) Tetrachloroethene	10.63	164	206661	18.967	ug/l	96
62) Toluene	10.16	91	837140	19.778	ug/l	99
64) Chlorobenzene	11.43	112	559872	20.197	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	199361	18.737	ug/l	100
66) Ethyl Benzene	11.51	91	880403	18.820	ug/l	98
67) m/p-Xylenes	11.62	106	721810	38.059	ug/l	96
68) o-Xylene	11.95	106	354616	18.967	ug/l	85
69) Styrene	11.96	104	549584	19.159	ug/l	95
70) Isopropylbenzene	12.25	105	929629	18.646	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	159439	16.193	ug/l	92
72) 1,2,3-Trichloropropane	12.55	75	192069	24.796	ug/l	83
73) Bromobenzene	12.53	156	245917	19.913	ug/l	75
74) n-propylbenzene	12.59	91	983930	18.347	ug/l	93
75) 2-Chlorotoluene	12.67	91	575060	18.290	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	736142	17.855	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	31494	12.294	ug/l	94
78) 4-Chlorotoluene	12.77	91	574498	18.598	ug/l	88
79) tert-butylbenzene	12.99	119	682679	18.005	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	735720	17.855	ug/l	96
81) sec-Butylbenzene	13.17	105	872384	17.588	ug/l	95
82) p-Isopropyltoluene	13.29	119	781194	17.601	ug/l	94
83) 1,3-Dichlorobenzene	13.28	146	414811	19.036	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	400513	19.523	ug/l	99
85) n-Butylbenzene	13.61	91	564138	16.856	ug/l	94
86) Hexachloroethane	13.87	117	104884	13.705	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	386265	18.309	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14337	9.750	ug/l #	60
89) 1,2,4-Trichlorobenzene	14.91	180	117290	16.151	ug/l	99
90) Hexachlorobutadiene	15.01	225	88615	13.034	ug/l	98
91) Naphthalene	15.13	128	197611	15.382	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	88133	9.182	ug/l	94

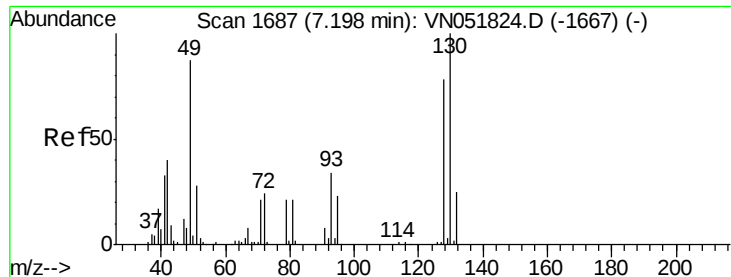
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

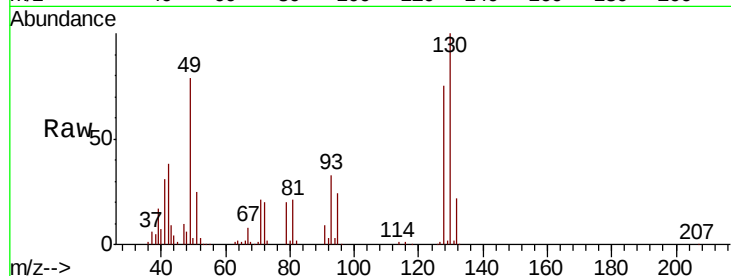
Tot Ion:128 Resp: 167562

Ion Ratio Lower Upper

128 100

49 104.6 0.0 403.3

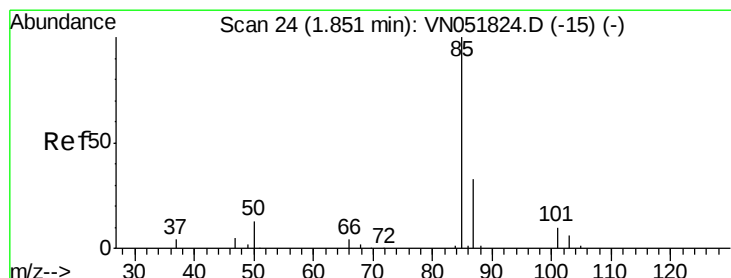
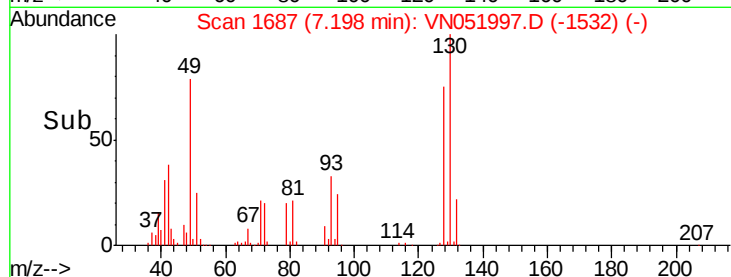
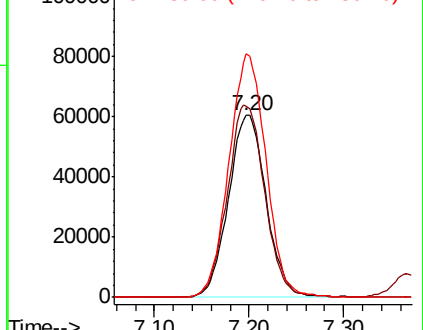
130 131.4 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.639 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051997.D

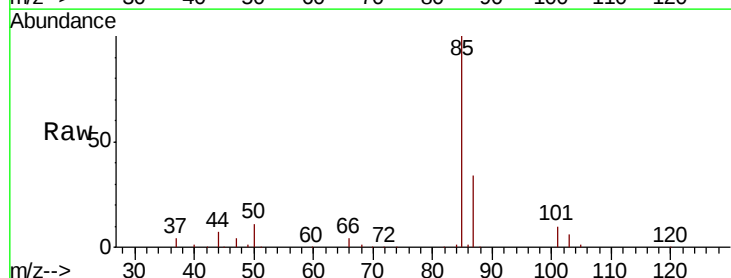
Acq: 24 Oct 2018 19:20

Tgt Ion: 85 Resp: 134355

Ion Ratio Lower Upper

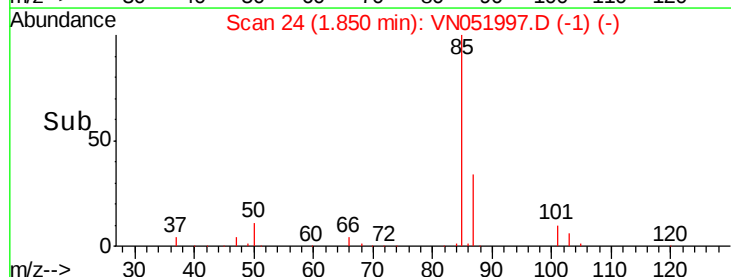
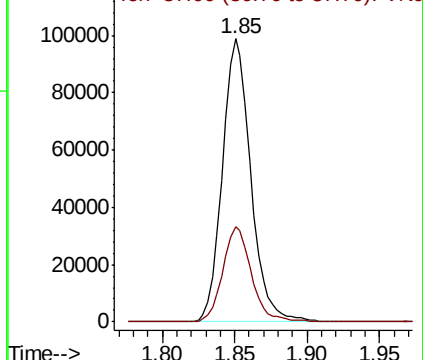
85 100

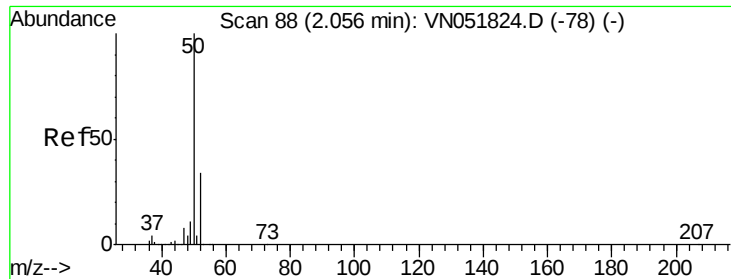
87 33.7 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.165 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

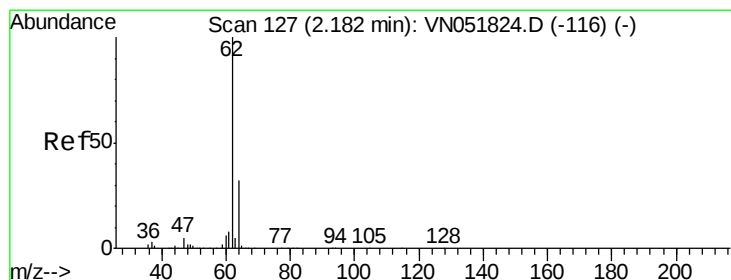
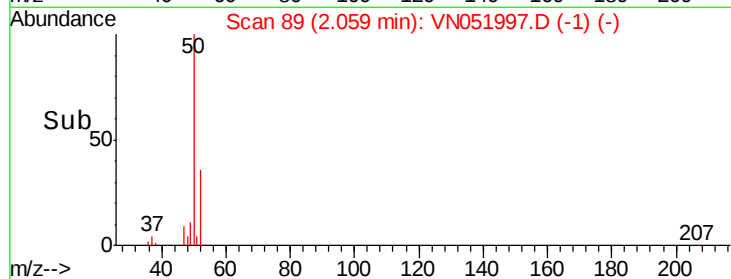
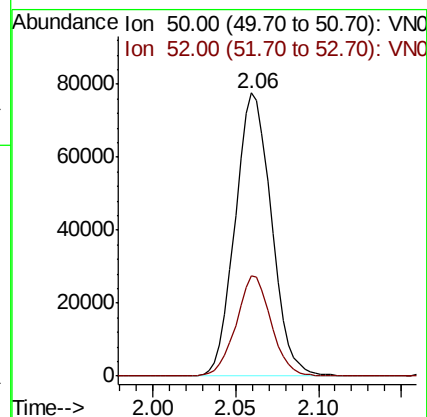
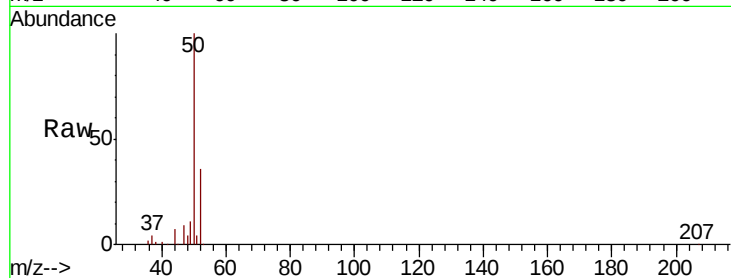
VSTDCCC020EC

Tot Ion: 50 Resp: 118095

Ion Ratio Lower Upper

50 100

52 35.6 27.2 40.8



#4

Vinyl Chloride

Concen: 14.370 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051997.D

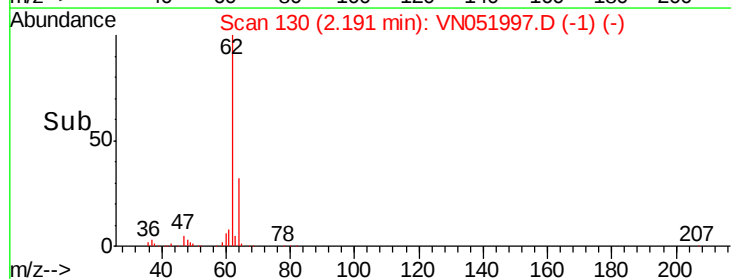
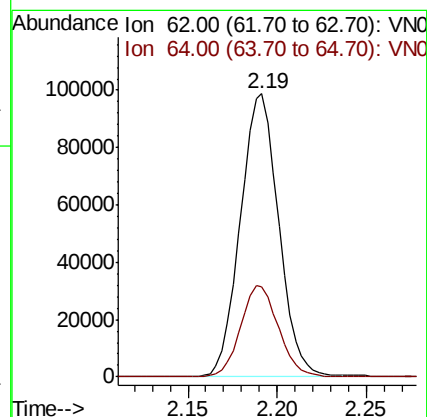
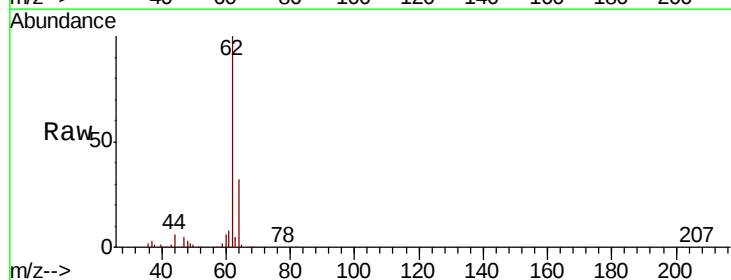
Acq: 24 Oct 2018 19:20

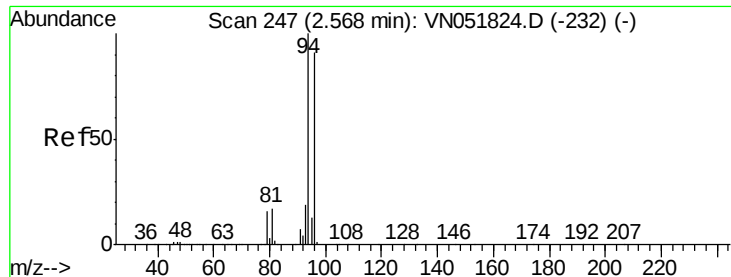
Tgt Ion: 62 Resp: 147638

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 16.477 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

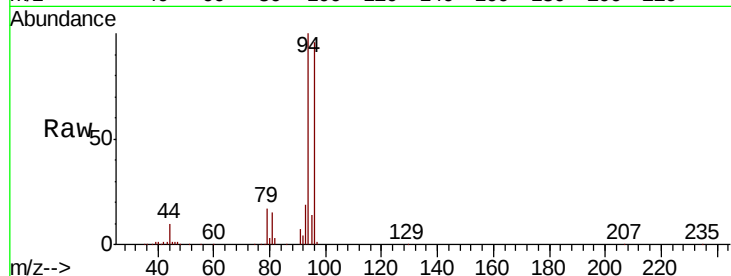
VSTDCCC020EC

Tot Ion: 94 Resp: 149581

Ion Ratio Lower Upper

94 100

96 95.8 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN051824.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN051824.D (-232) (-)

2.55

80000

60000

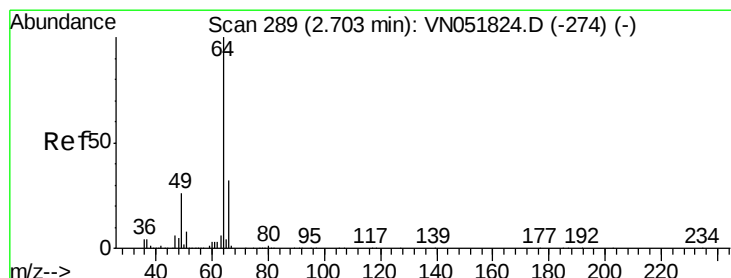
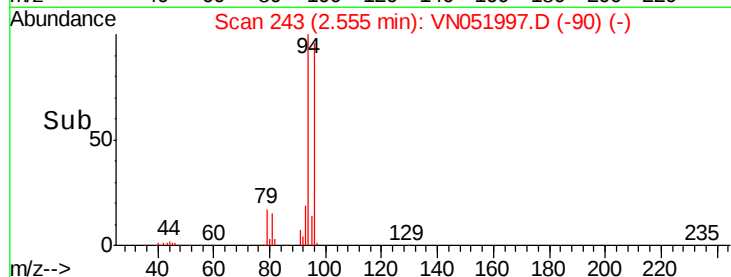
40000

20000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 15.315 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051997.D

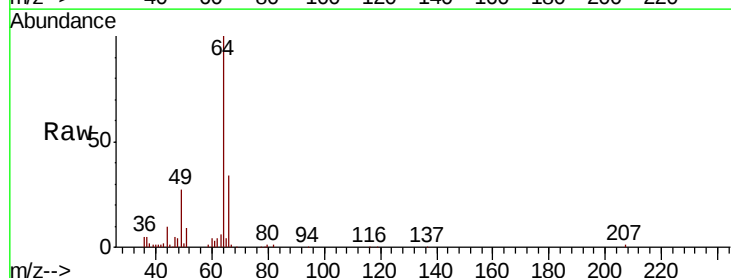
Acq: 24 Oct 2018 19:20

Tgt Ion: 64 Resp: 113399

Ion Ratio Lower Upper

64 100

66 34.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN051824.D (-274) (-)

Ion 66.00 (65.70 to 66.70): VN051824.D (-274) (-)

2.70

60000

50000

40000

30000

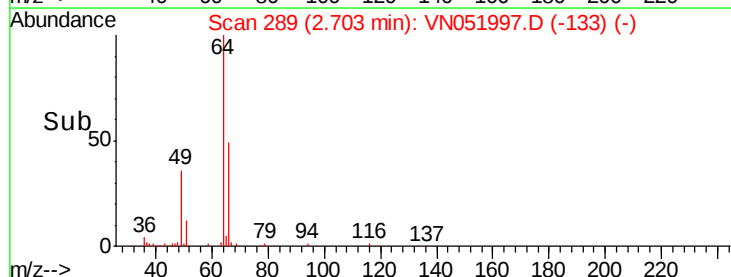
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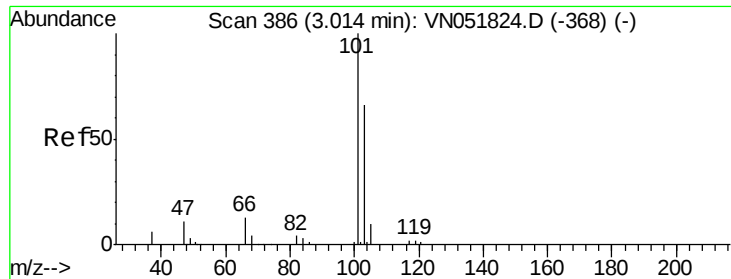
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0

Time-->

2.60 2.65 2.70 2.75 2.80



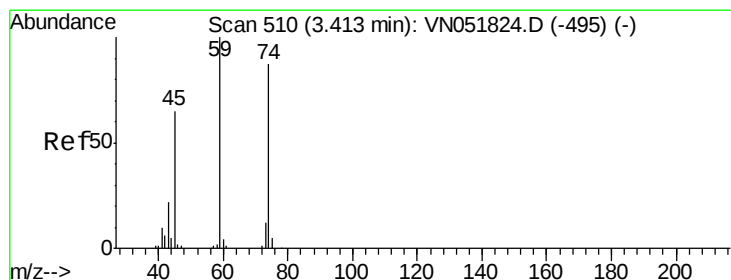
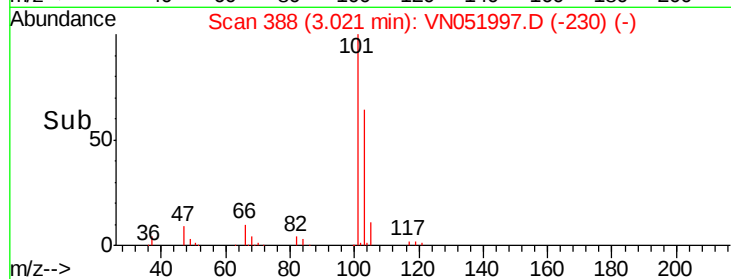
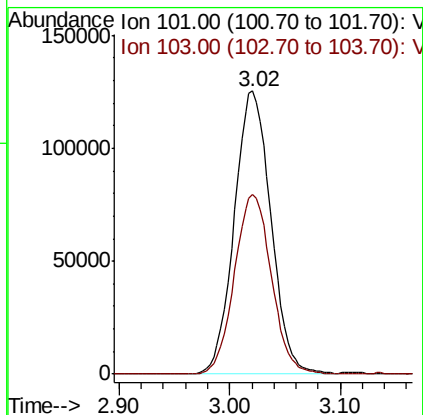
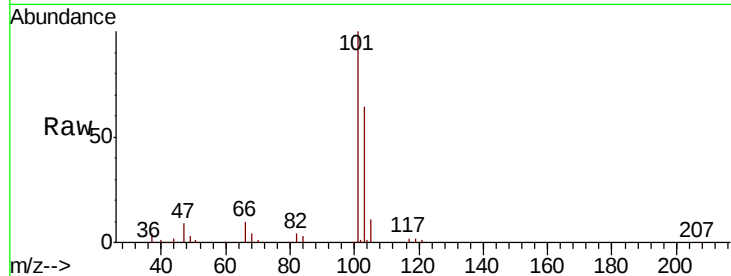


#7

Trichlorofluoromethane
 Concen: 19.713 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
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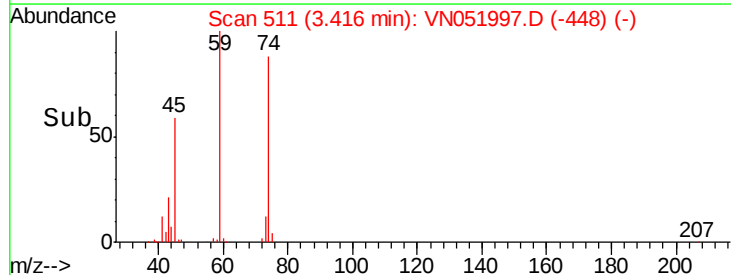
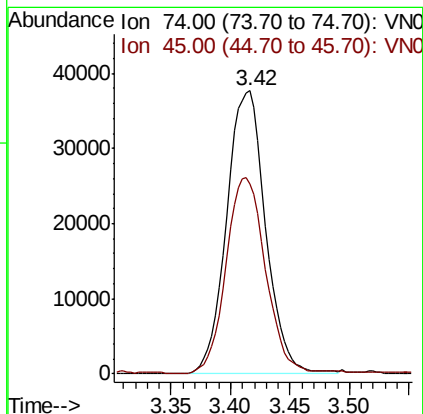
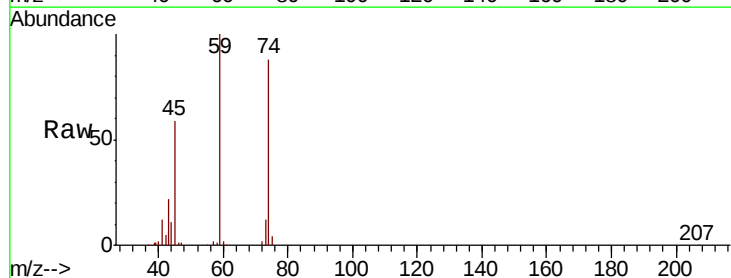
Tot Ion:101 Resp: 288759
 Ion Ratio Lower Upper
 101 100
 103 63.6 54.8 82.2

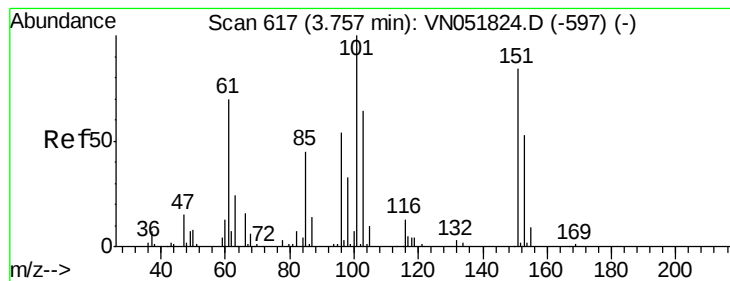


#8

Diethyl Ether
 Concen: 20.086 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 74 Resp: 85651
 Ion Ratio Lower Upper
 74 100
 45 70.3 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.263 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

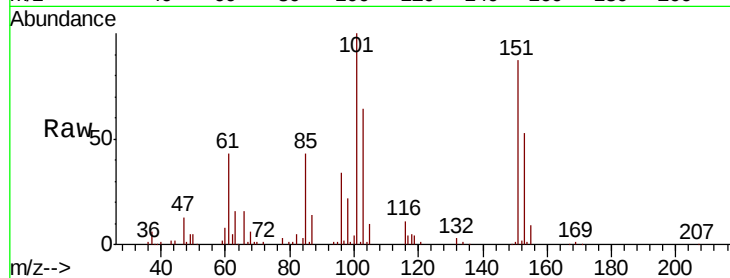
Tot Ion:101 Resp: 177372

Ion Ratio Lower Upper

101 100

85 41.6 0.0 46.0

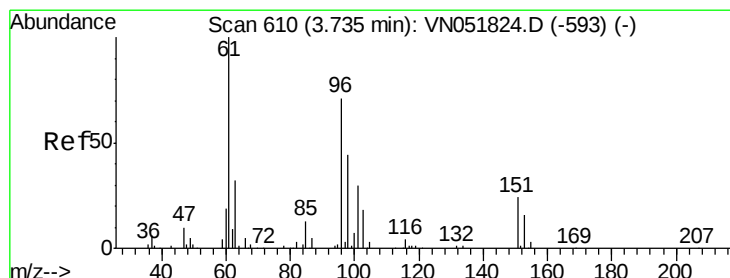
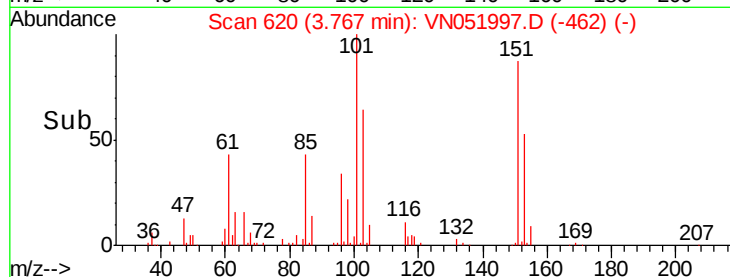
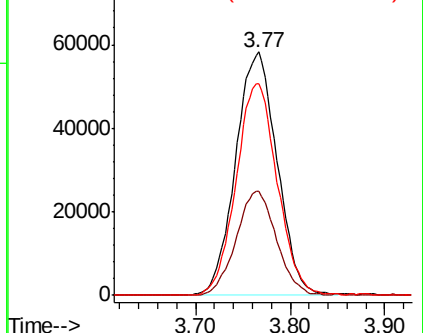
151 86.1 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.600 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

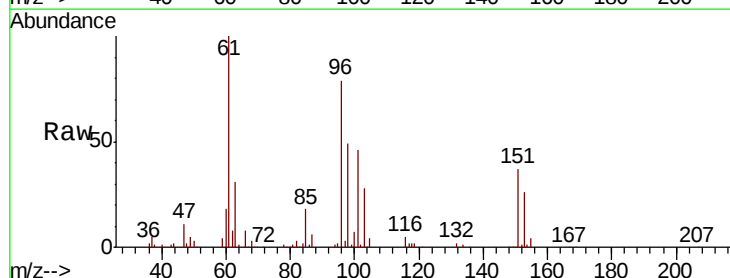
Tgt Ion: 96 Resp: 158925

Ion Ratio Lower Upper

96 100

61 127.5 133.0 199.6#

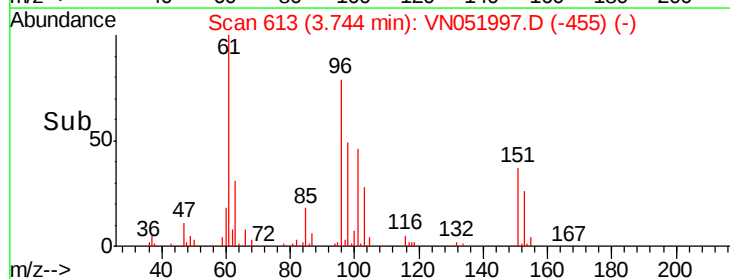
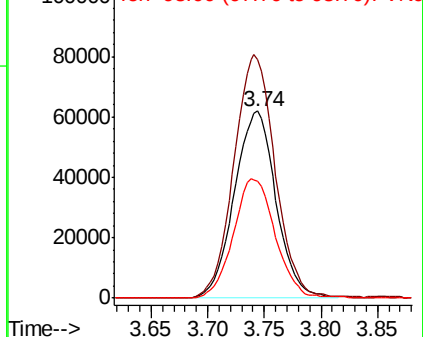
98 62.6 52.6 78.8

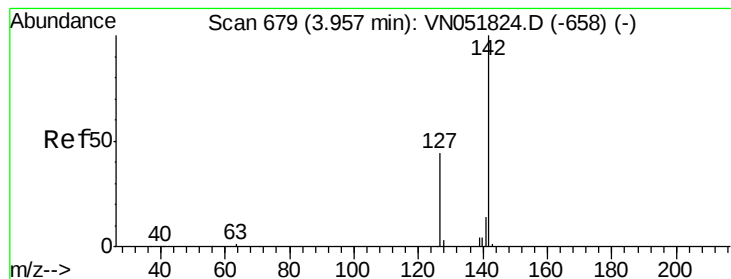


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 23.530 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

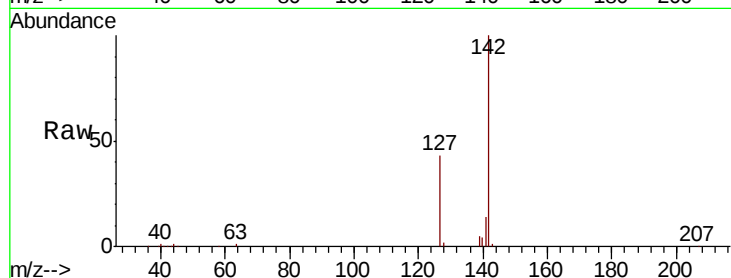
Tot Ion:142 Resp: 263886

Ion Ratio Lower Upper

142 100

127 42.8 19.7 59.0

141 13.9 6.3 18.9

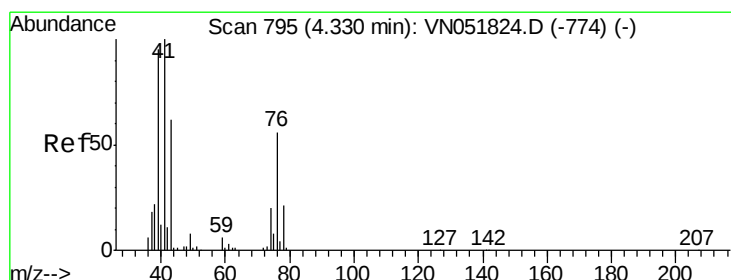
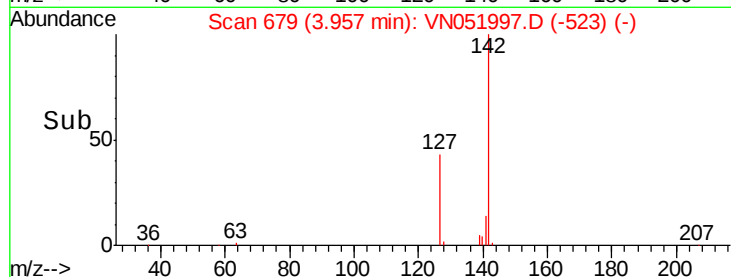
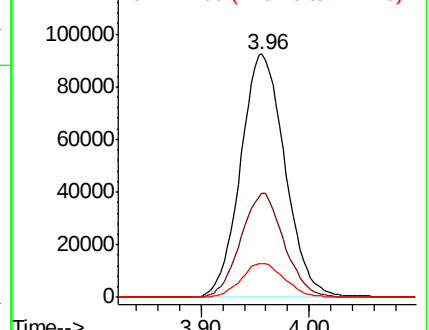


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 20.332 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051997.D

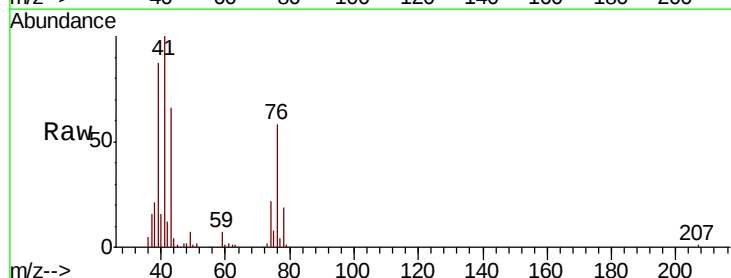
Acq: 24 Oct 2018 19:20

Tgt Ion: 43 Resp: 97403

Ion Ratio Lower Upper

43 100

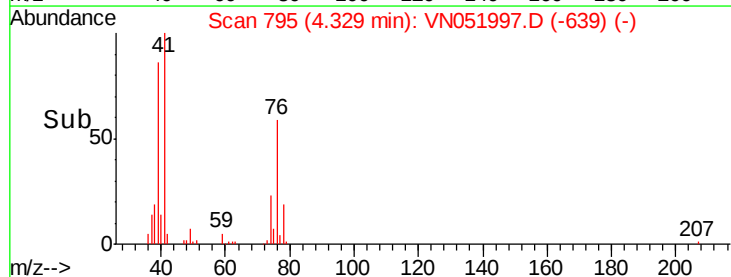
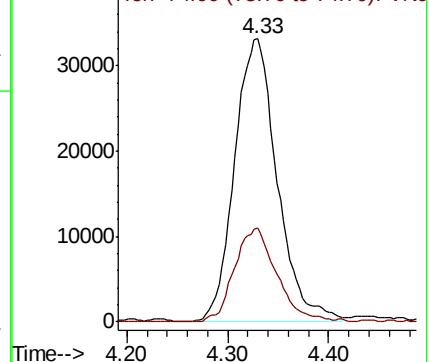
74 33.2 21.8 32.6#

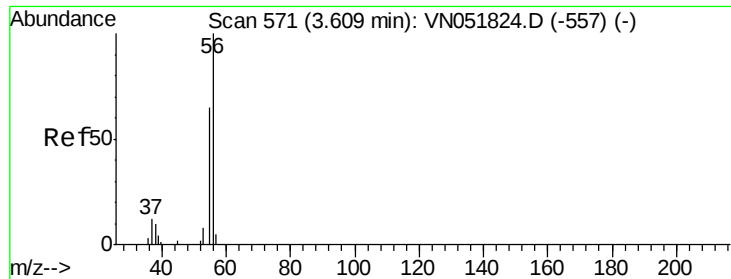


Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 0.836 ug/l

RT: 3.67 min Scan# 589

Delta R.T. 0.06 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

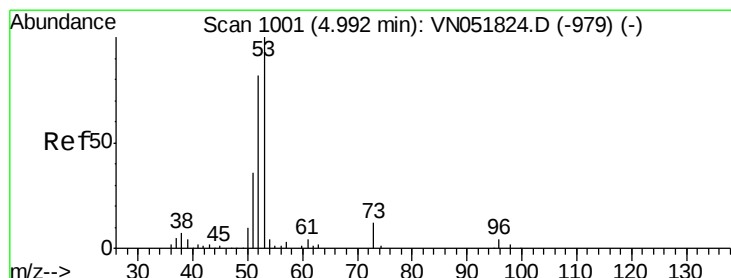
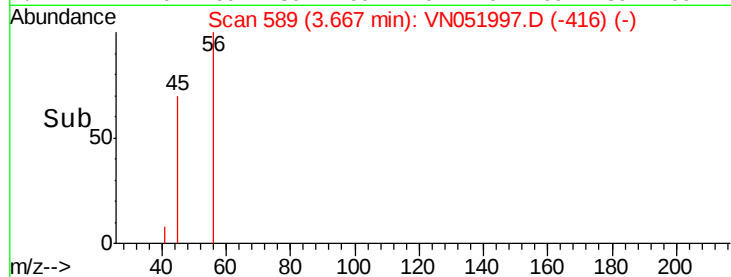
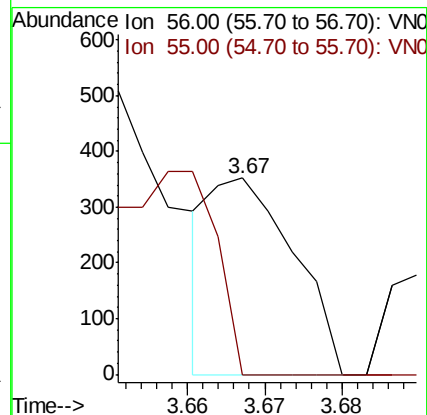
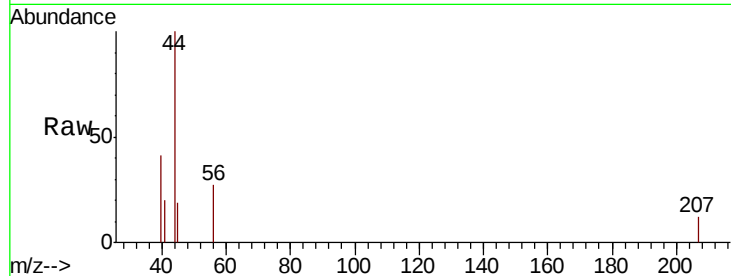
VSTDCCC020EC

Tot Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 71.6 64.0 96.0



#14

Acrylonitrile

Concen: 88.872 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

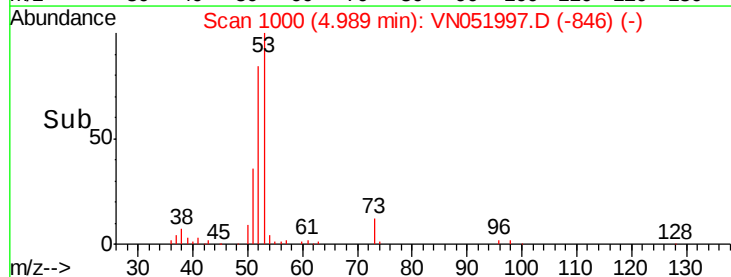
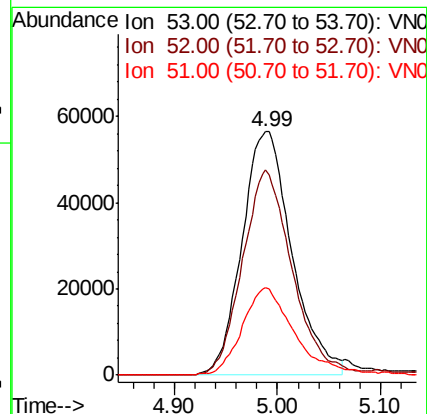
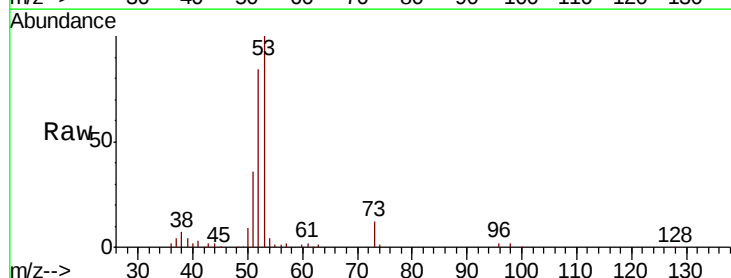
Tgt Ion: 53 Resp: 190284

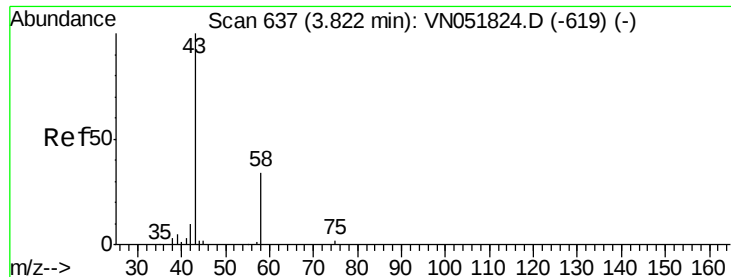
Ion Ratio Lower Upper

53 100

52 83.6 18.3 54.8#

51 37.5 19.7 59.1





#15

Acetone

Concen: 78.484 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

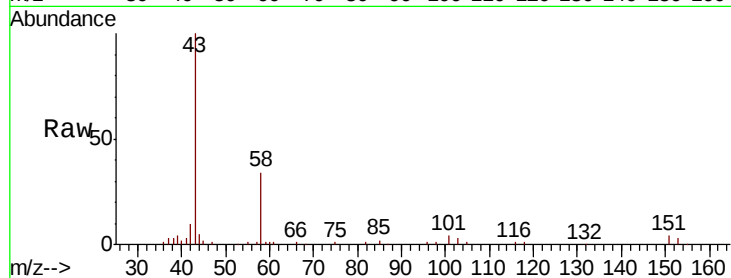
VSTDCCC020EC

Tot Ion: 58 Resp: 41540

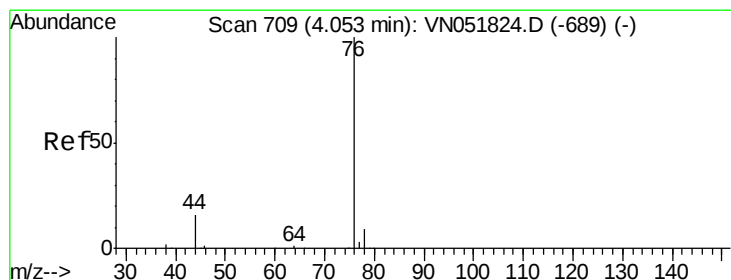
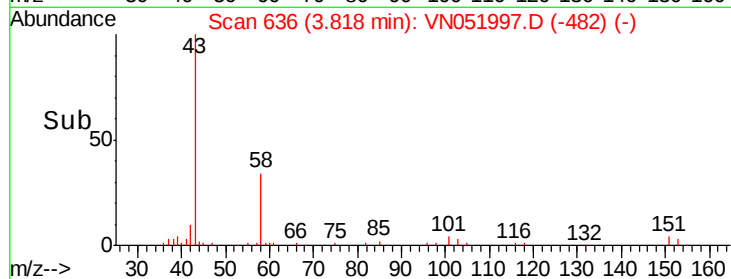
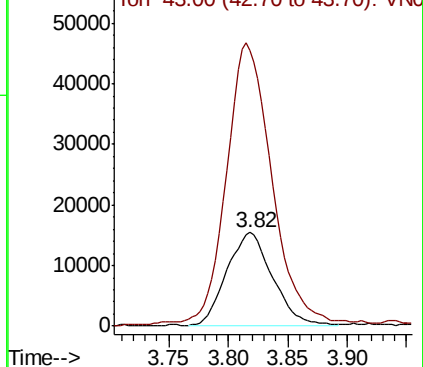
Ion Ratio Lower Upper

58 100

43 288.9 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)



#16

Carbon Disulfide

Concen: 15.803 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051997.D

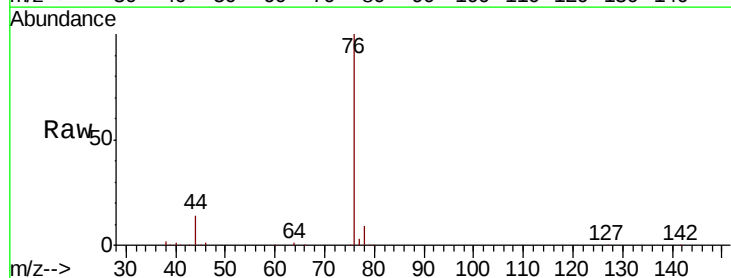
Acq: 24 Oct 2018 19:20

Tgt Ion: 76 Resp: 320179

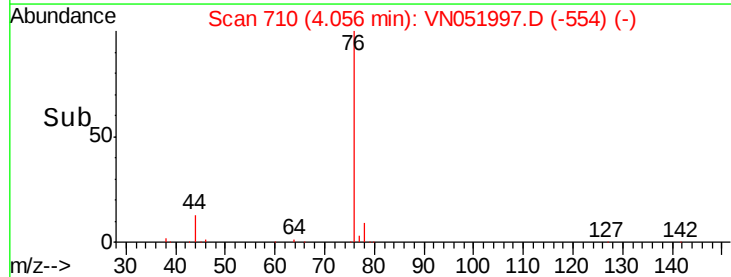
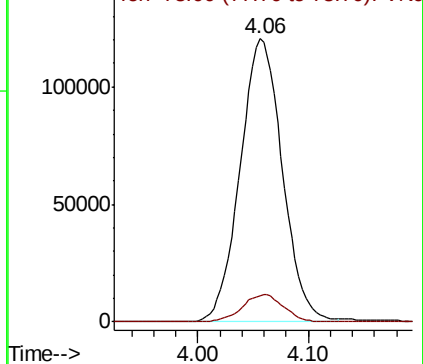
Ion Ratio Lower Upper

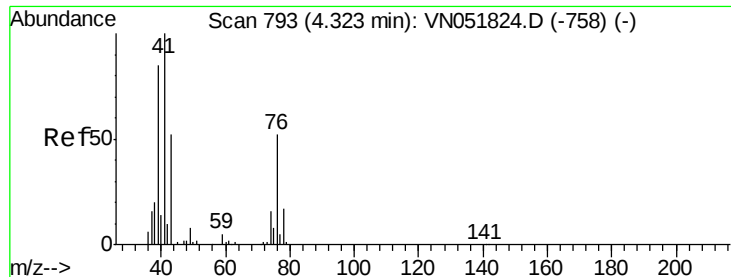
76 100

78 9.4 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

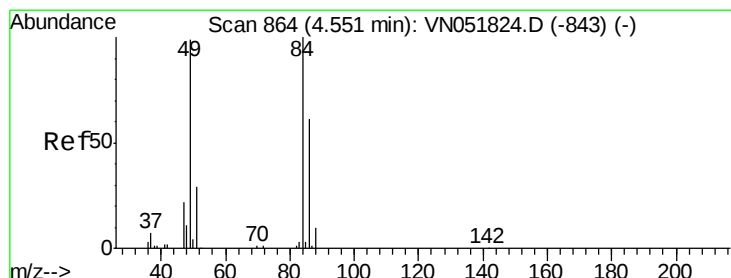
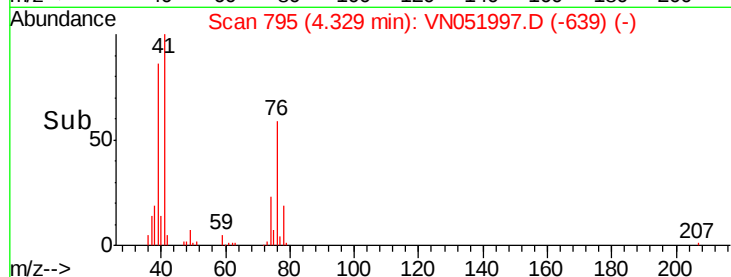
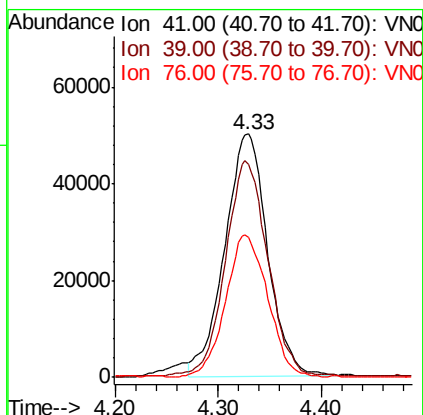
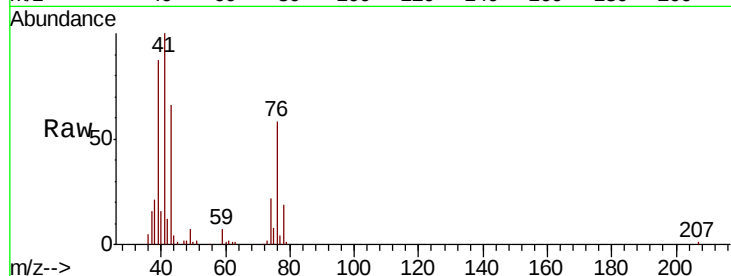




#17
Allvl chloride
Concen: 15.757 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

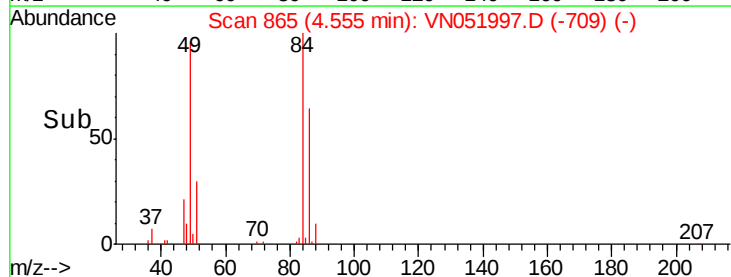
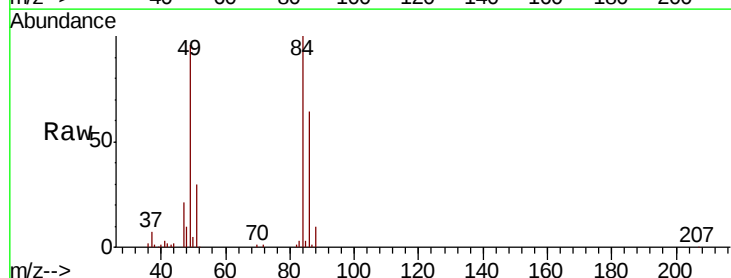
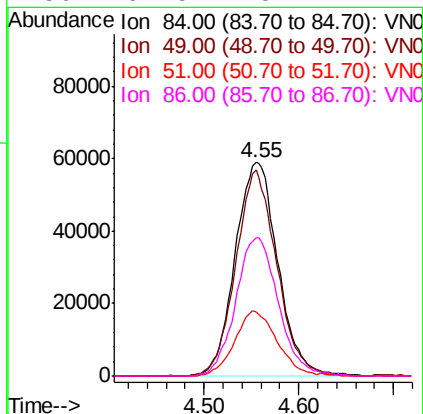
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

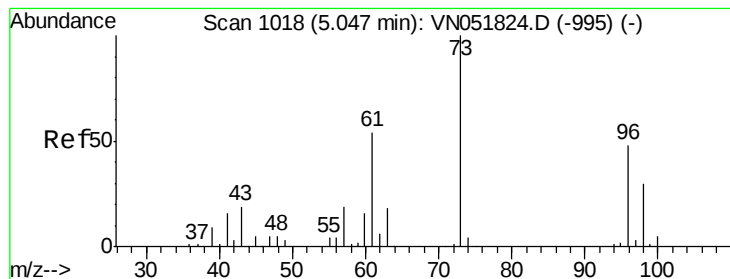
Tot Ion: 41 Resp: 144322
Ion Ratio Lower Upper
41 100
39 87.3 32.6 97.8
76 57.8 20.2 60.5



#18
Methylene Chloride
Concen: 21.376 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 84 Resp: 184383
Ion Ratio Lower Upper
84 100
49 96.0 91.6 137.4
51 29.8 29.8 44.6
86 64.5 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 19.670 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

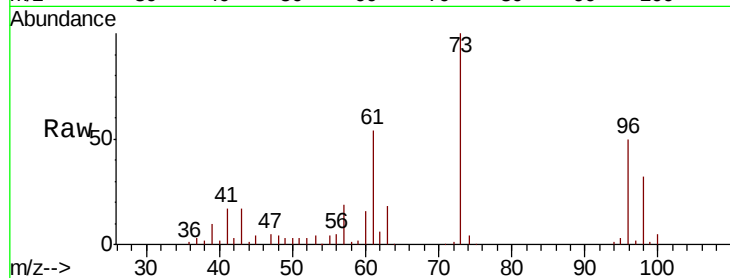
Tot Ion: 96 Resp: 173272

Ion Ratio Lower Upper

96 100

61 108.5 112.3 168.5#

98 64.2 47.1 70.7

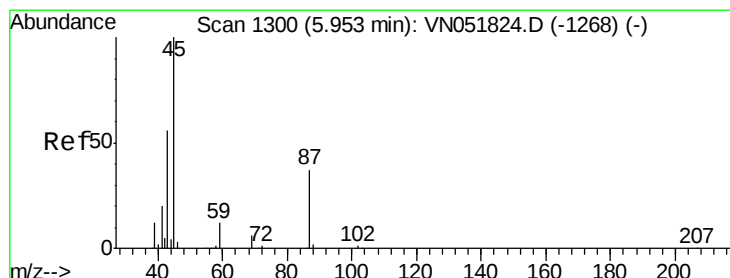
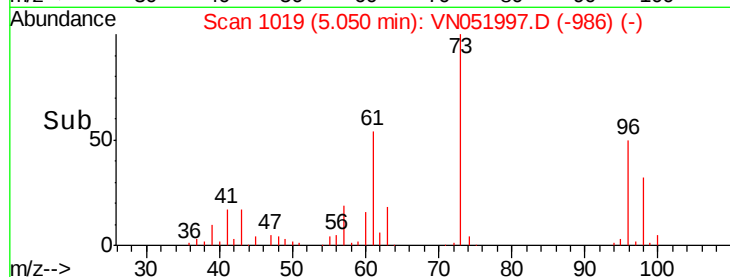
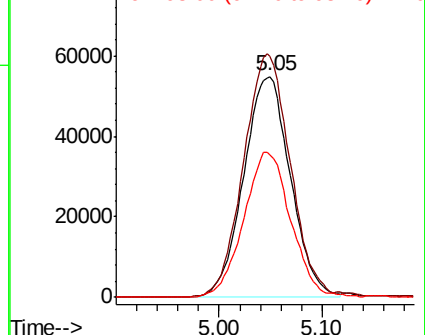


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 18.674 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Tgt Ion: 45 Resp: 380926

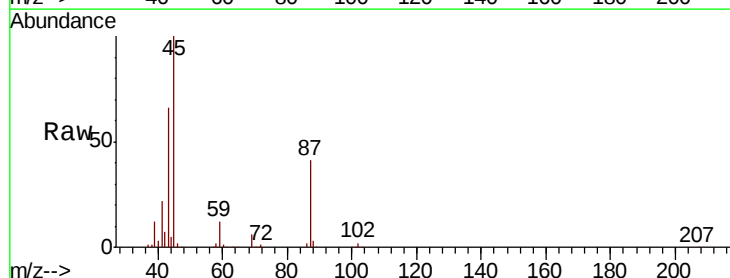
Ion Ratio Lower Upper

45 100

43 63.8 62.1 93.1

87 40.6 19.9 29.9#

59 12.0 9.8 14.6



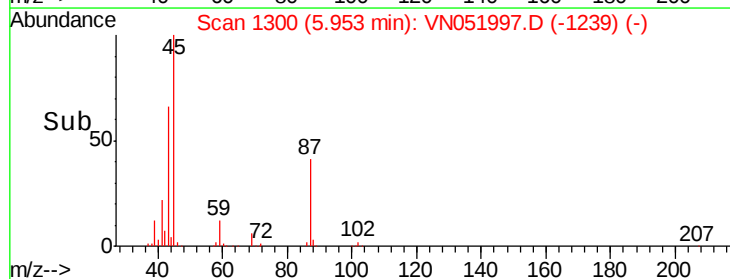
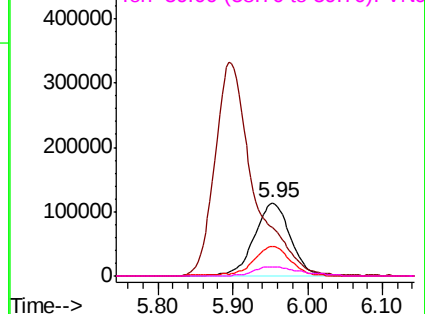
Abundance

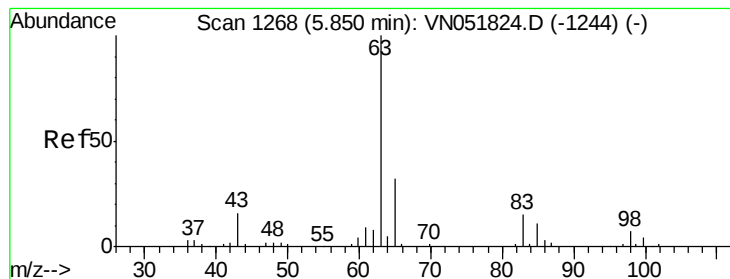
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.112 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

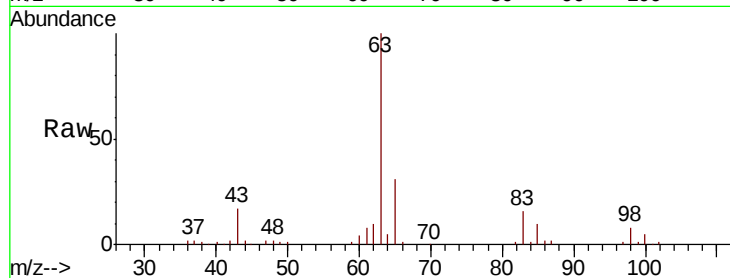
Tot Ion: 63 Resp: 272411

Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

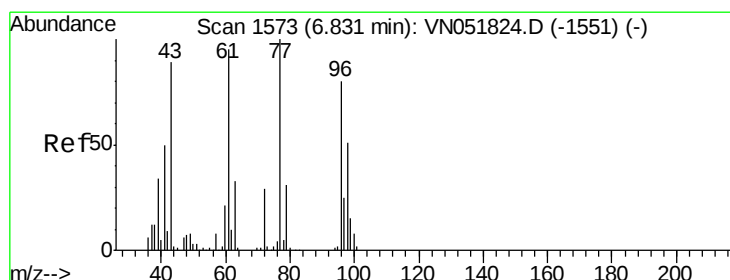
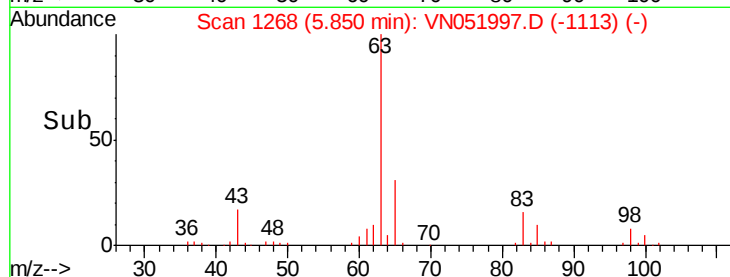
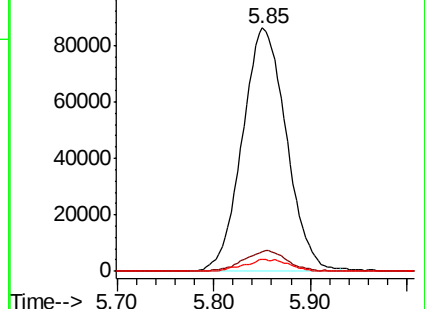
100 5.1 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.118 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

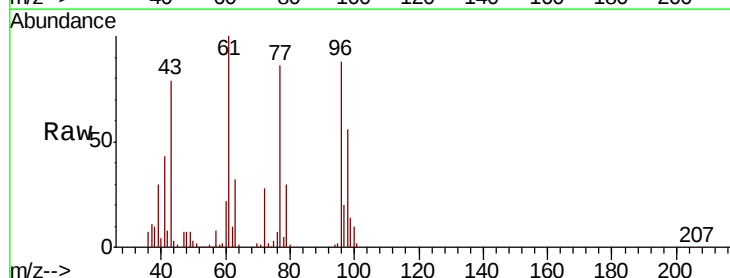
Tgt Ion: 96 Resp: 208155

Ion Ratio Lower Upper

96 100

61 114.2 124.5 186.7#

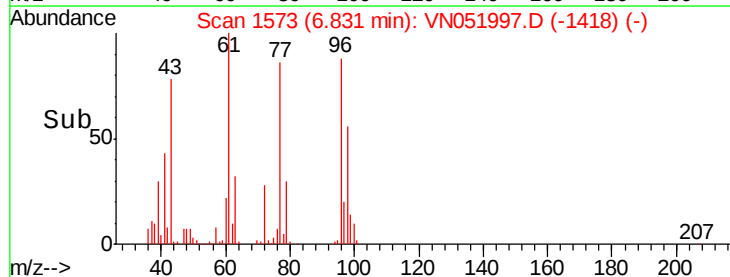
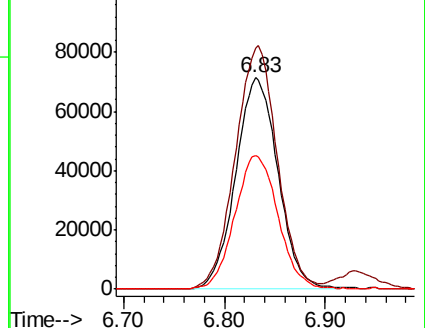
98 64.5 51.9 77.9

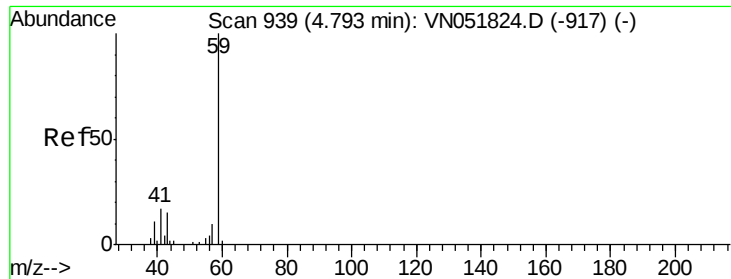


Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)



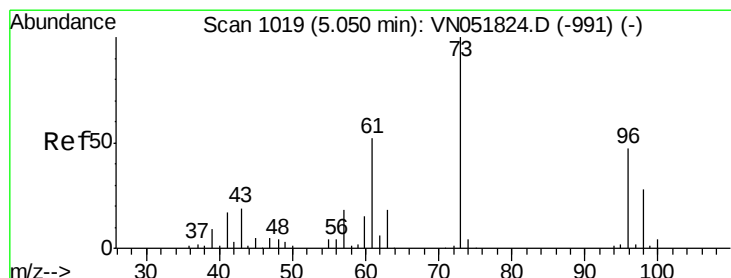
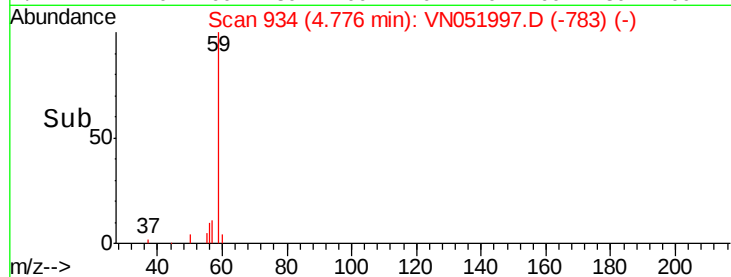
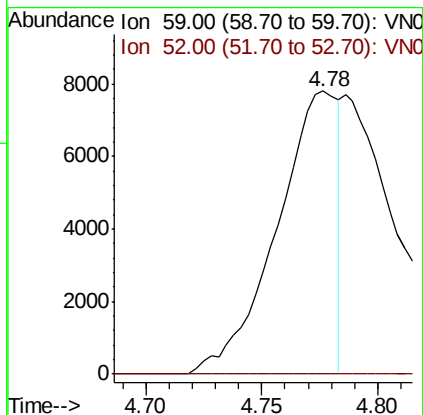
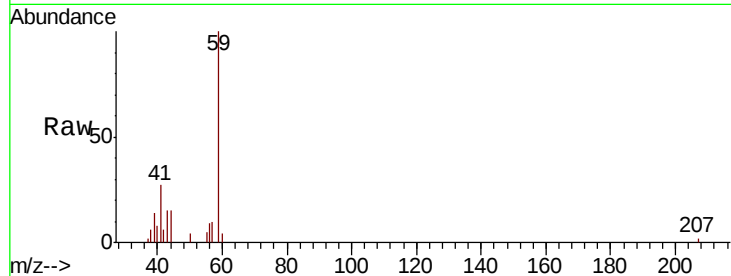


#23

tert-Butyl Alcohol
 Concen: 25.388 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

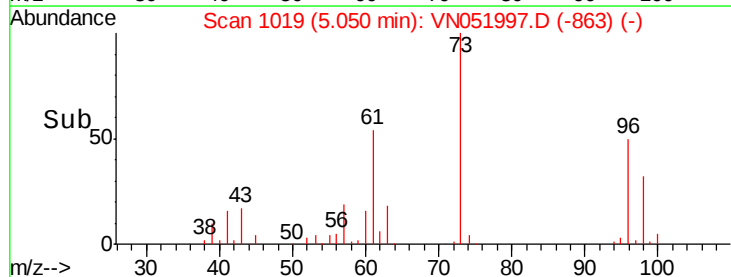
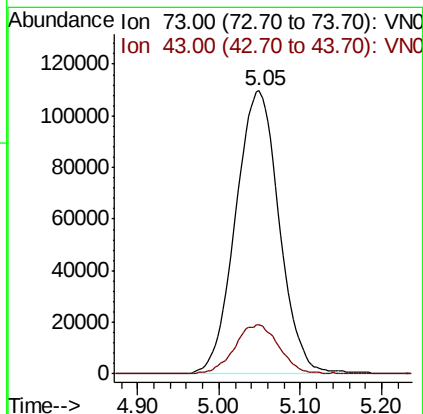
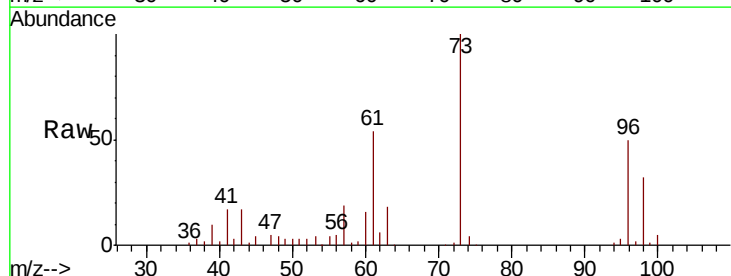
Tot Ion: 59 Resp: 14316
 Ion Ratio Lower Upper
 59 100
 52 0.5 0.0 0.0#

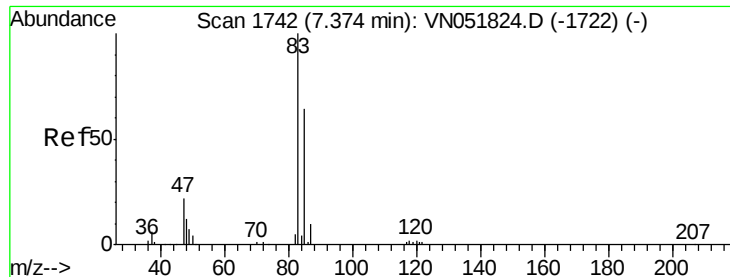


#24

Methyl tert-Butyl Ether
 Concen: 18.267 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 73 Resp: 406010
 Ion Ratio Lower Upper
 73 100
 43 7.6 5.4 8.0





#25

Chloroform

Concen: 19.909 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

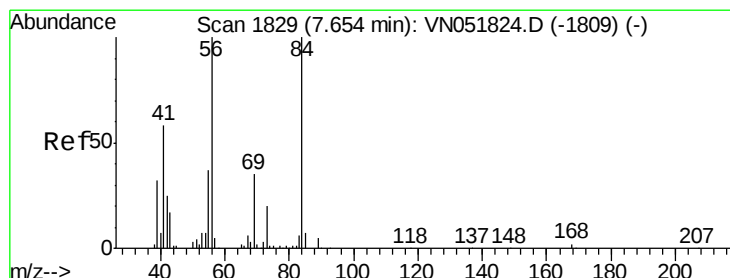
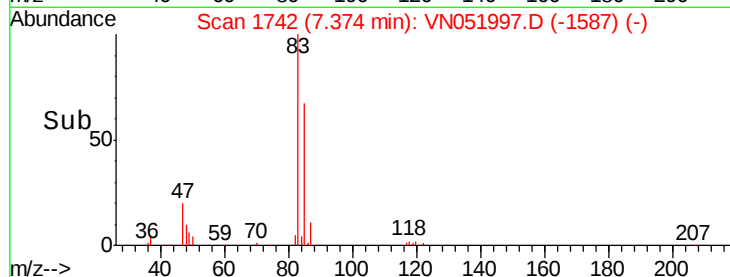
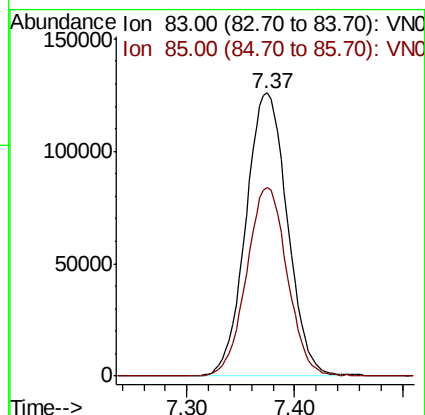
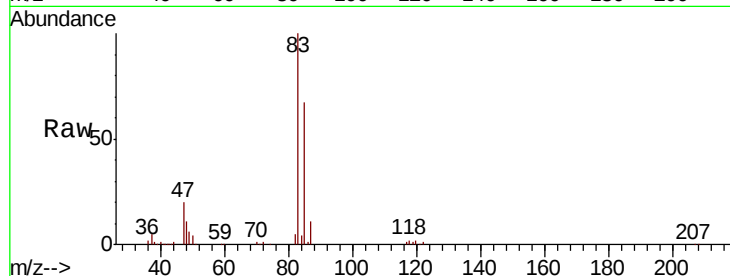
VSTDCCC020EC

Tot Ion: 83 Resp: 336653

Ion Ratio Lower Upper

83 100

85 66.6 54.6 82.0



#26

Cyclohexane

Concen: 17.335 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

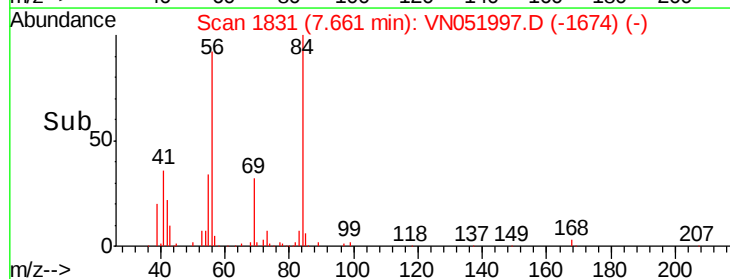
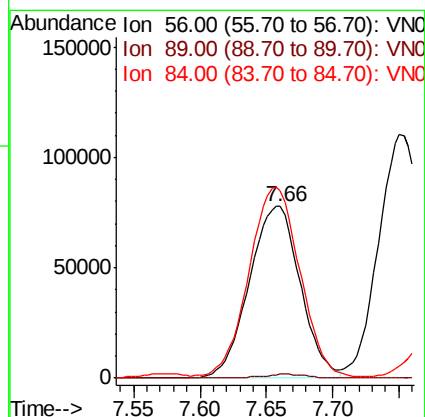
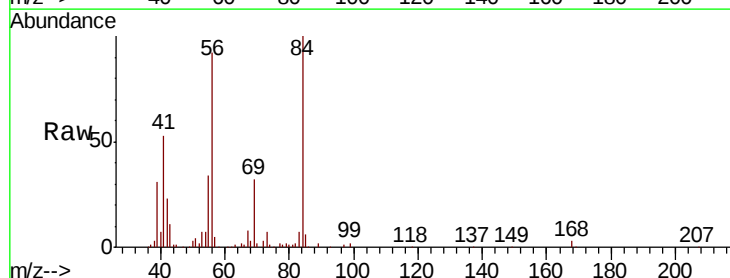
Tgt Ion: 56 Resp: 209476

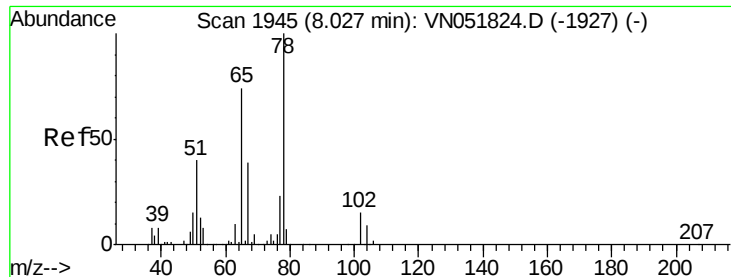
Ion Ratio Lower Upper

56 100

89 1.6 1.5 2.3

84 109.6 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 17.335 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

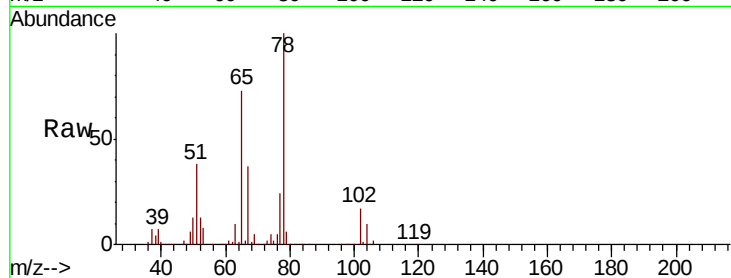
VSTDCCC020EC

Tot Ion: 65 Resp: 292278

Ion Ratio Lower Upper

65 100

67 51.4 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

8.03

150000

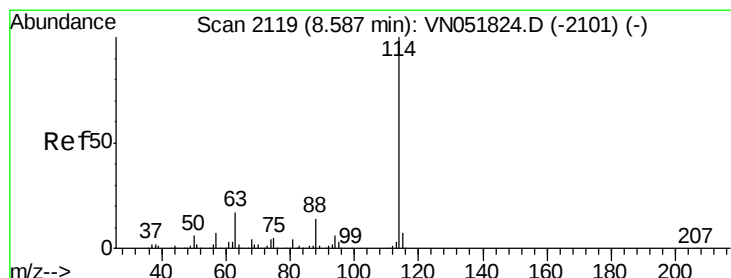
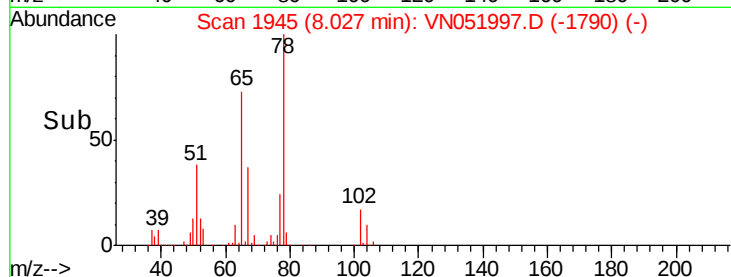
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

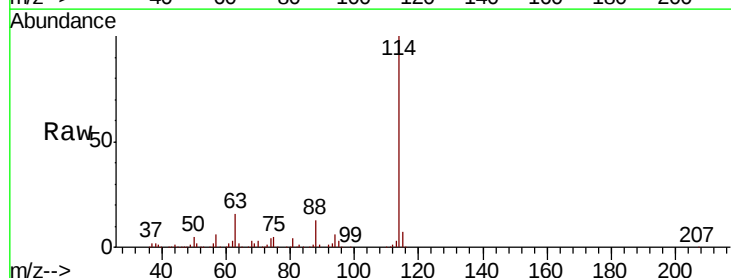
Tgt Ion: 114 Resp: 949384

Ion Ratio Lower Upper

114 100

63 15.6 16.2 24.2#

88 13.7 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

8.59

600000

500000

400000

300000

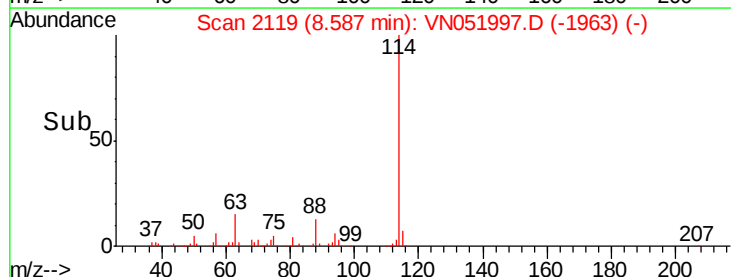
200000

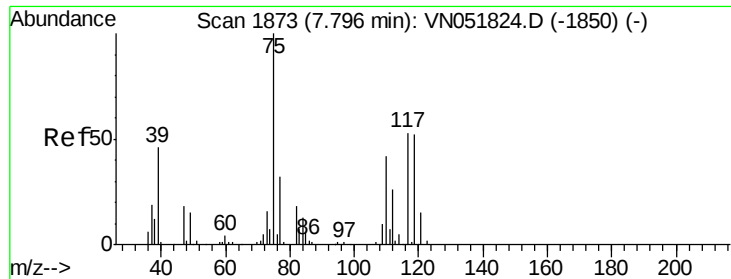
100000

0

8.50 8.60 8.70

Time-->

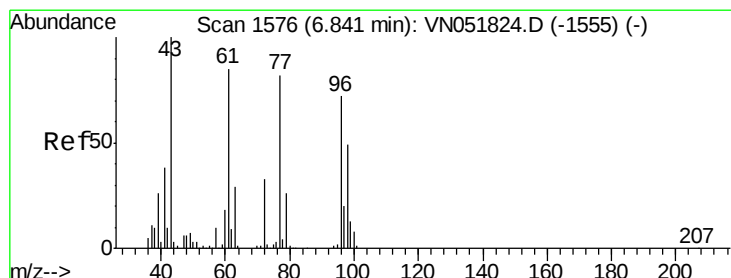
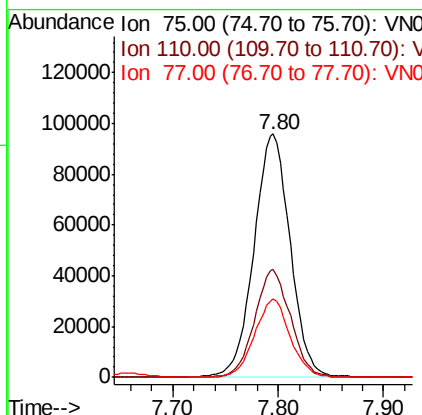
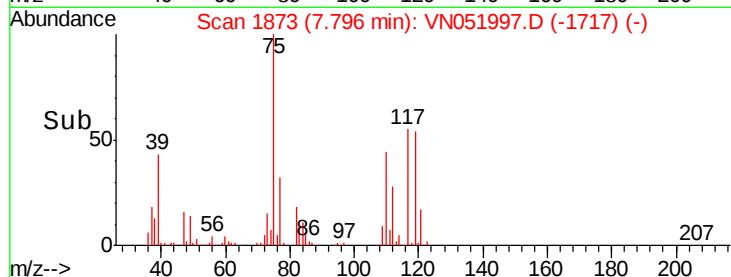
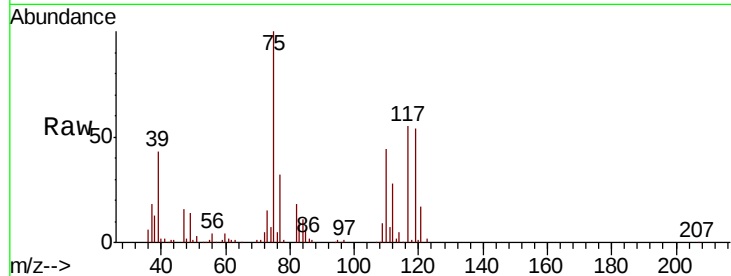




#29
 1,1-Dichloropropene
 Concen: 18.715 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

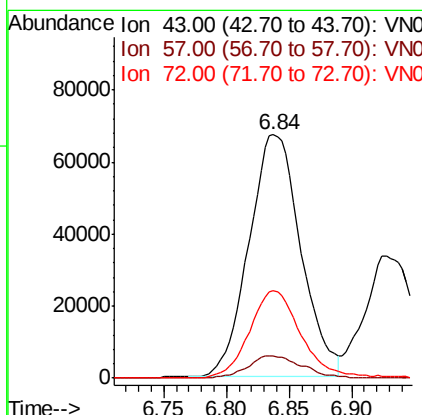
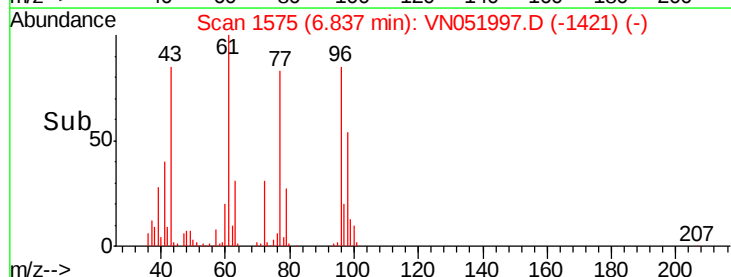
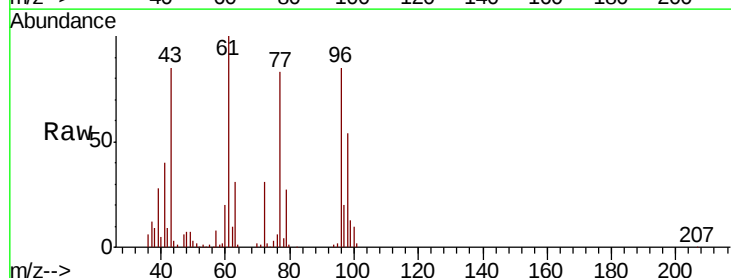
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

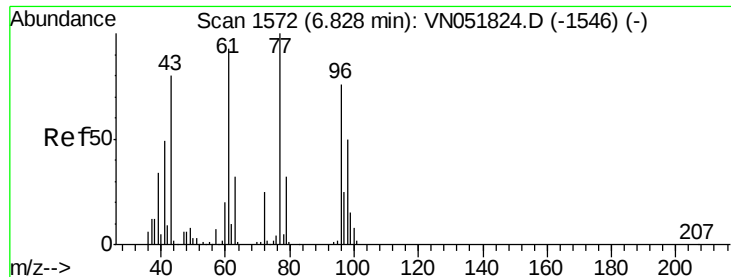
Tot Ion	Ratio	Lower	Upper
75	100		
110	43.6	0.0	70.8
77	31.6	0.0	61.6



#30
 2-Butanone
 Concen: 75.712 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.7	4.5	6.7#
72	35.5	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 15.910 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

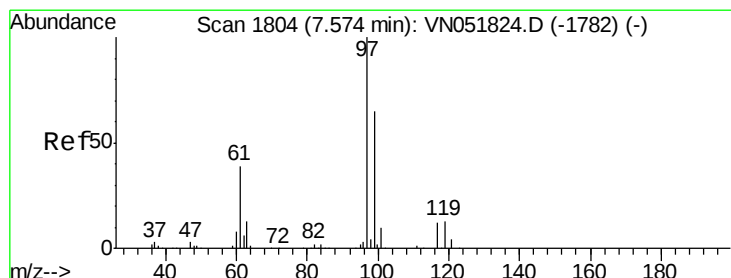
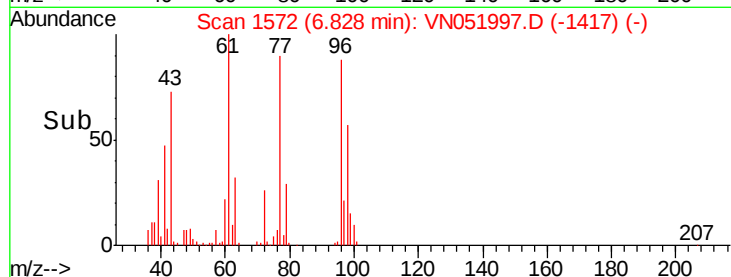
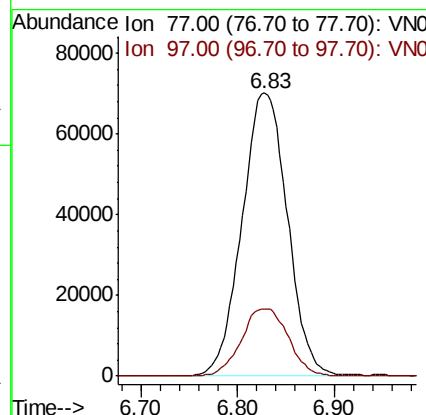
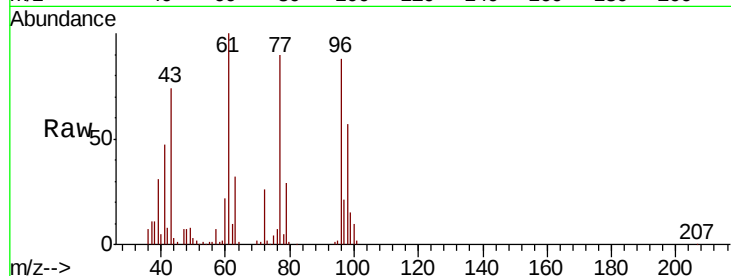
VSTDCCC020EC

Tot Ion: 77 Resp: 229041

Ion Ratio Lower Upper

77 100

97 24.6 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 18.619 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

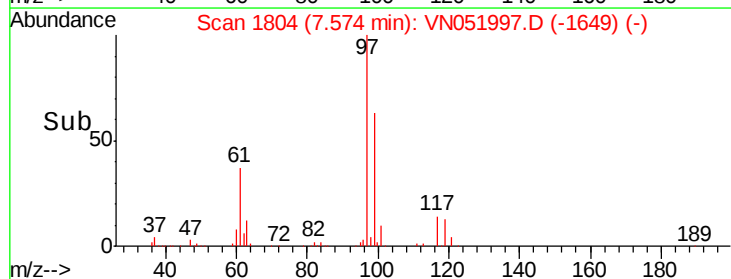
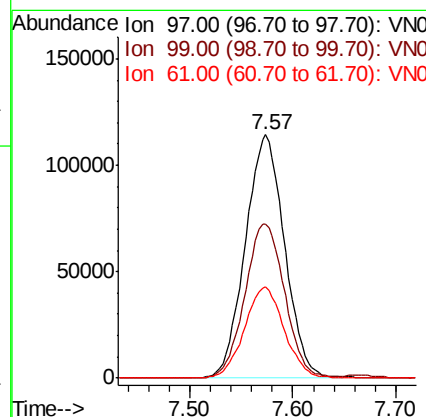
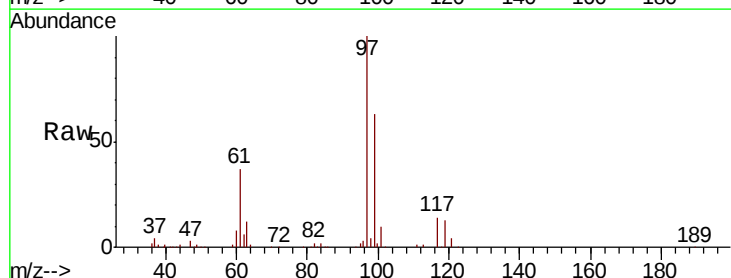
Tgt Ion: 97 Resp: 302080

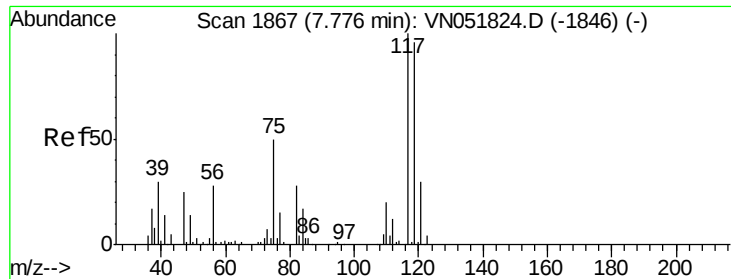
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 37.8 37.4 56.0

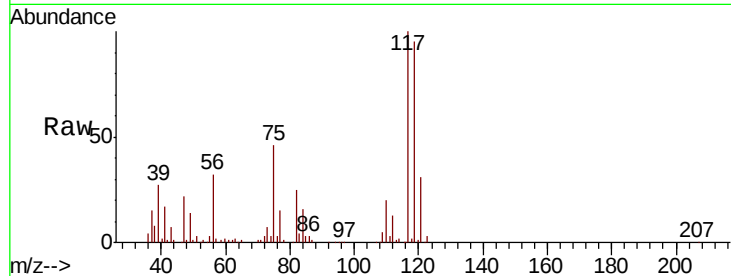




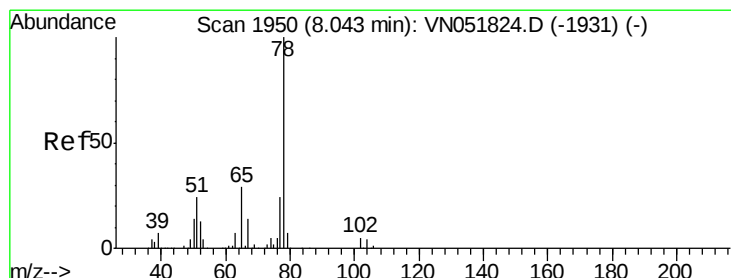
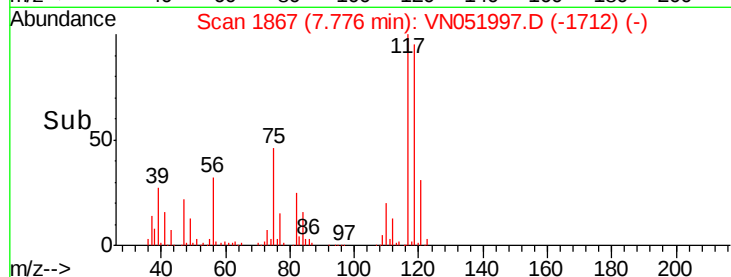
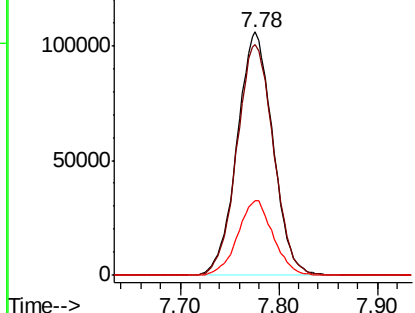
#33
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 265909
Ion Ratio Lower Upper
117 100
119 94.8 85.1 127.7
121 30.9 24.2 36.2

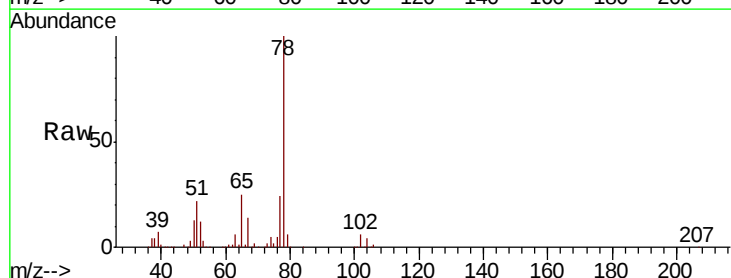


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

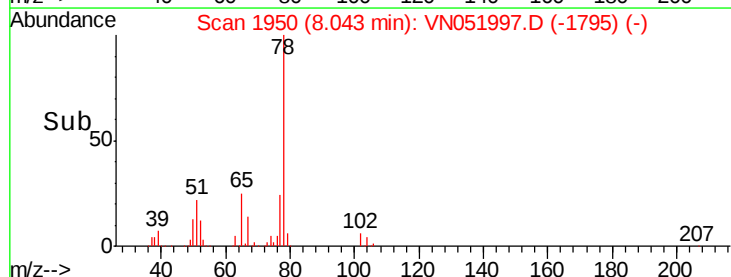
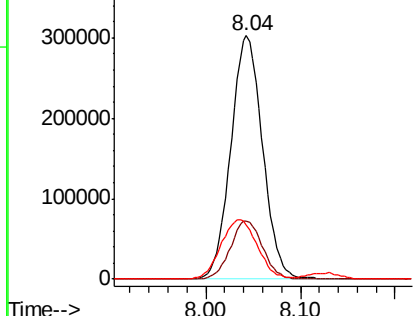


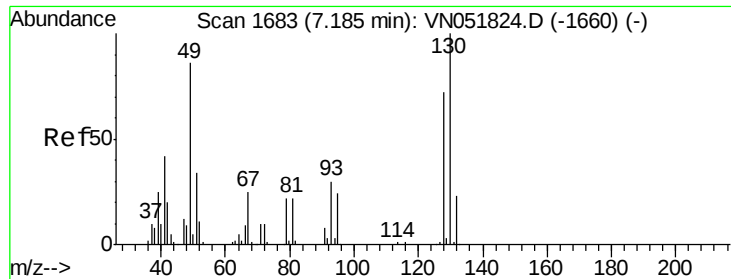
#34
Benzene
Concen: 19.490 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 78 Resp: 705522
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2
51 21.8 46.2 69.4#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

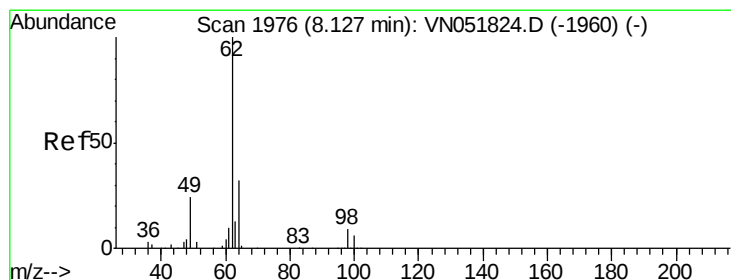
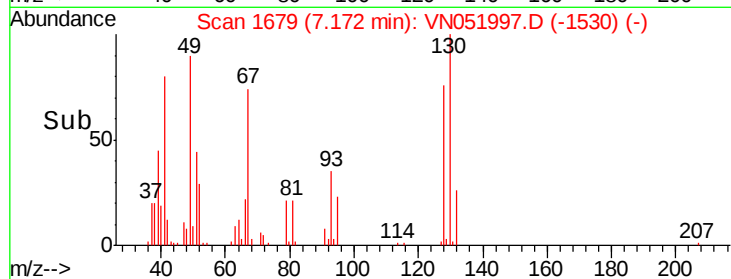
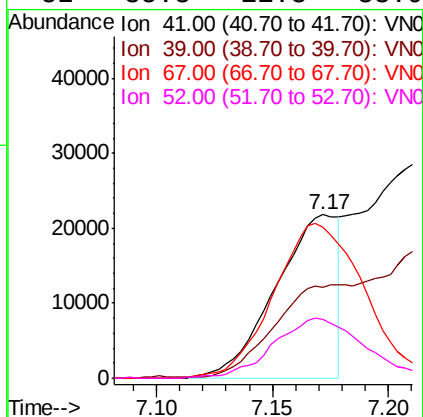
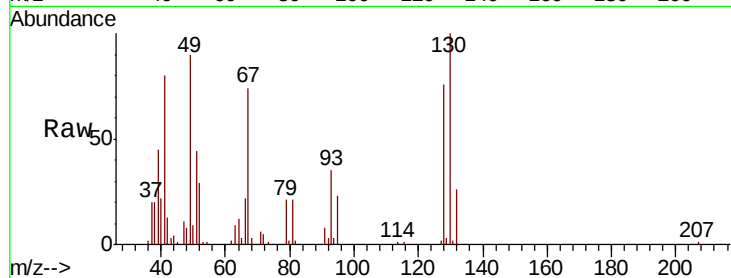




#35
Methacrylonitrile
Concen: 12.191 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

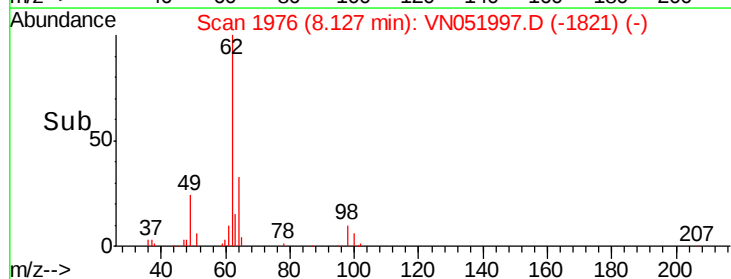
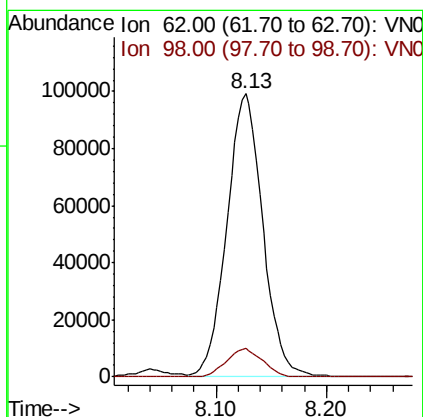
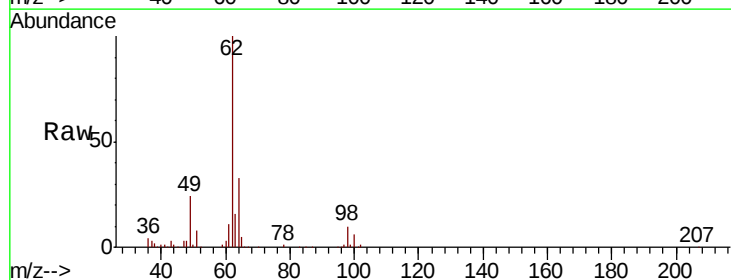
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

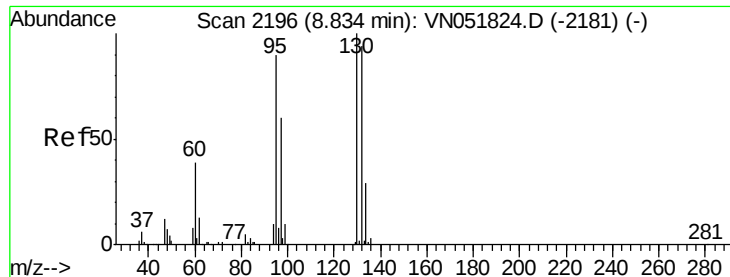
Tot Ion: 41 Resp: 40967
Ion Ratio Lower Upper
41 100
39 55.1 22.6 67.7
67 91.7 28.9 86.8#
52 35.3 11.3 33.9#



#36
1,2-Dichloroethane
Concen: 19.197 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 62 Resp: 222662
Ion Ratio Lower Upper
62 100
98 10.1 6.9 10.3

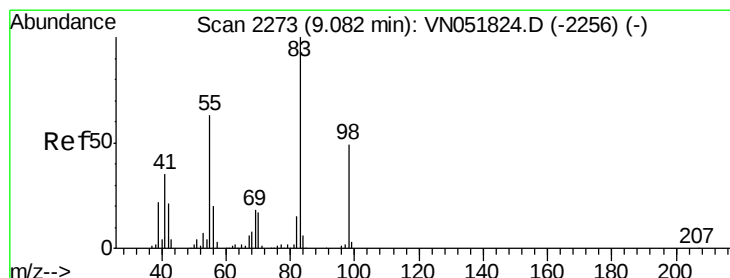
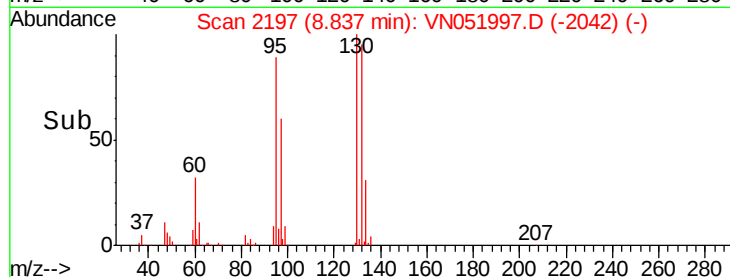
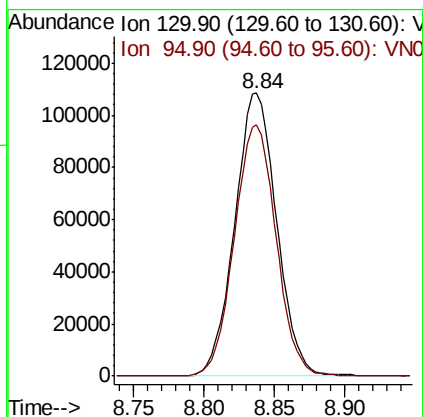
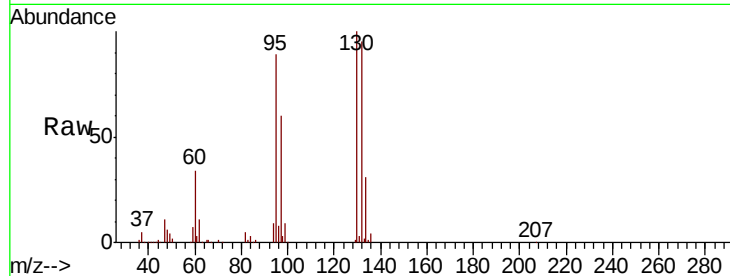




#37
 Trichloroethene
 Concen: 20.105 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

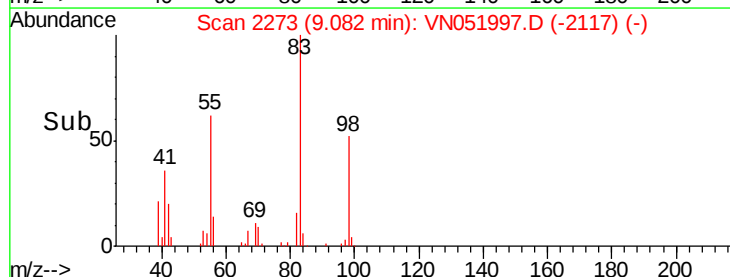
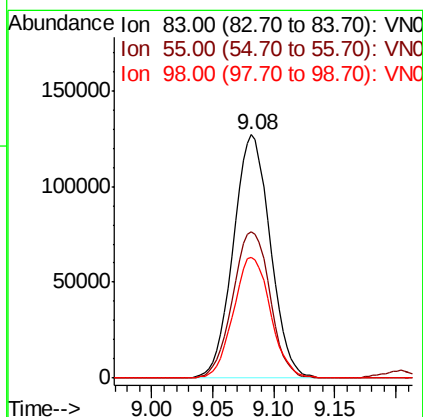
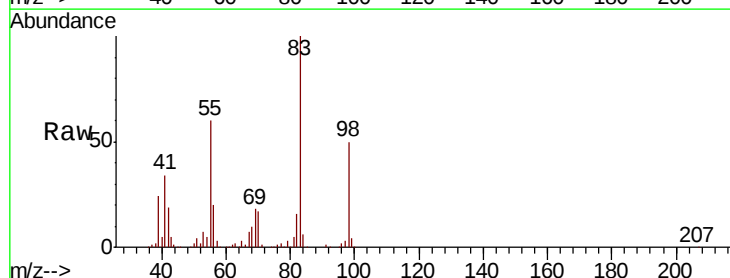
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

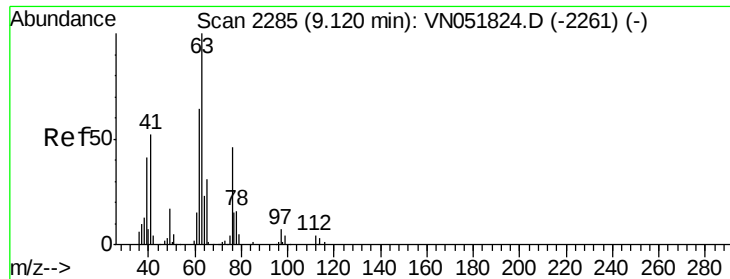
Tot Ion:130 Resp: 225916
 Ion Ratio Lower Upper
 130 100
 95 88.8 76.4 114.6



#38
 Methylcyclohexane
 Concen: 17.029 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 83 Resp: 267288
 Ion Ratio Lower Upper
 83 100
 55 60.7 43.0 129.2
 98 49.9 21.3 63.7

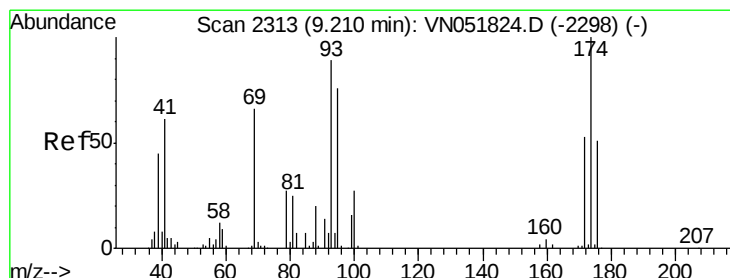
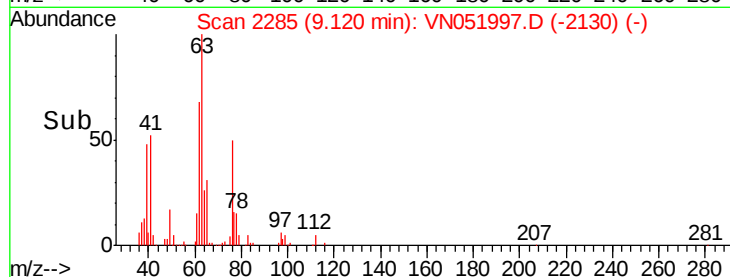
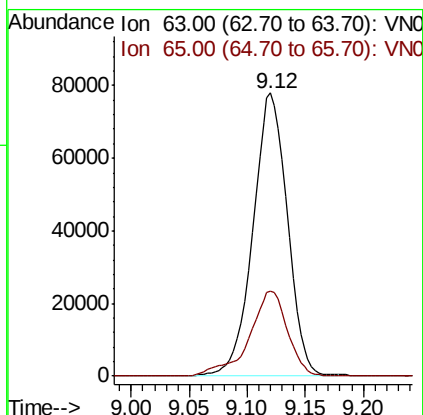
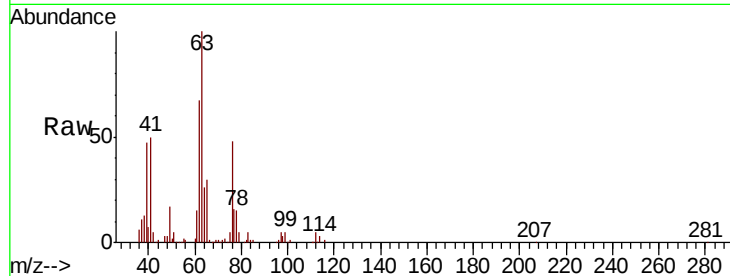




#39
 1,2-Dichloropropane
 Concen: 18.954 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

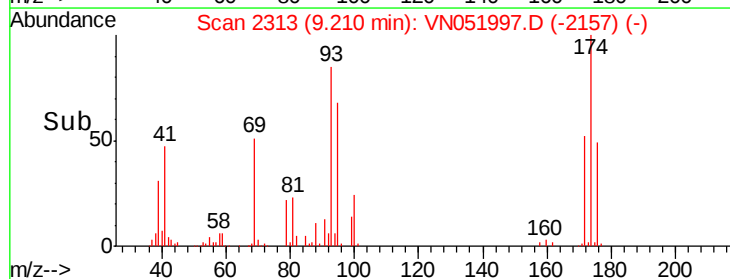
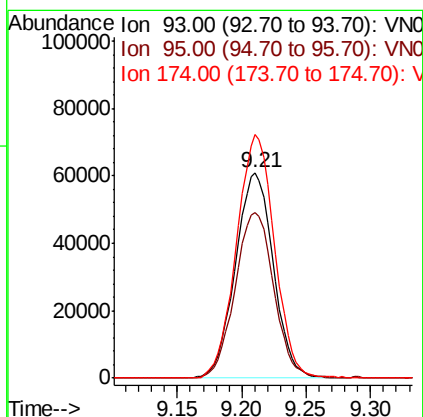
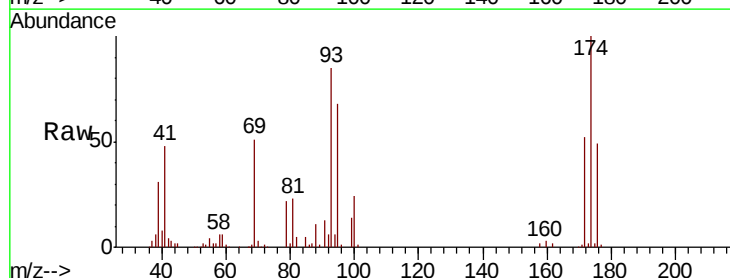
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

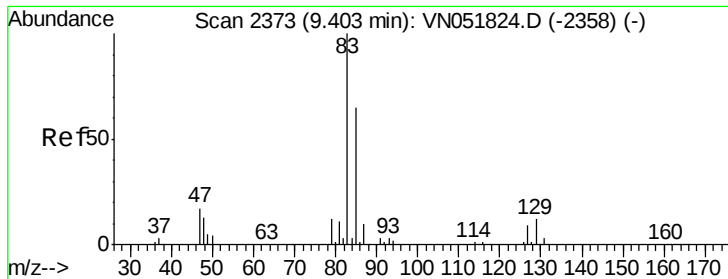
Tot Ion: 63 Resp: 161580
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.2 34.8



#40
 Dibromomethane
 Concen: 19.772 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 93 Resp: 125099
 Ion Ratio Lower Upper
 93 100
 95 82.1 0.0 162.0
 174 118.1 0.0 214.0





#41

Bromodichloromethane

Concen: 17.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

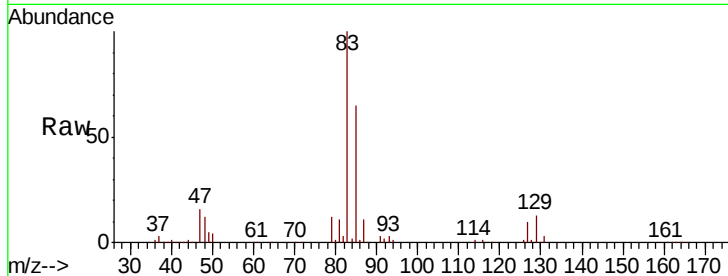
Tot Ion: 83 Resp: 232438

Ion Ratio Lower Upper

83 100

85 64.7 55.7 83.5

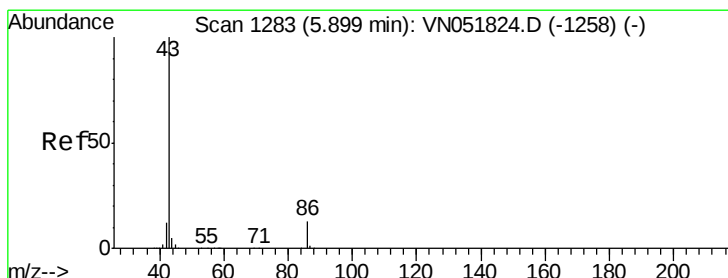
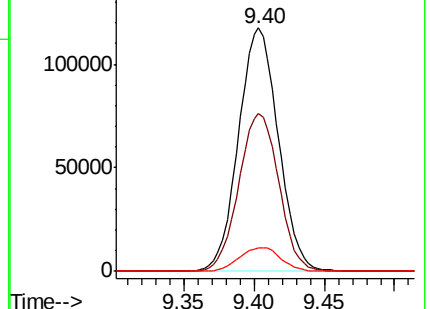
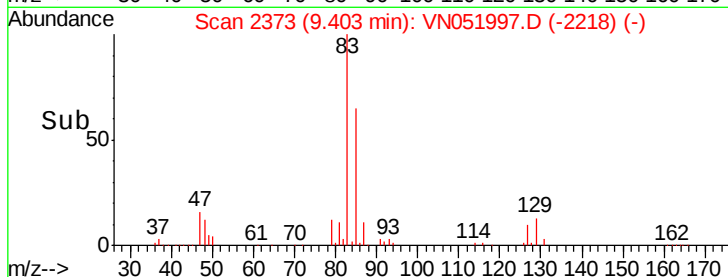
127 11.0 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)



#42

Vinyl Acetate

Concen: 82.804 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051997.D

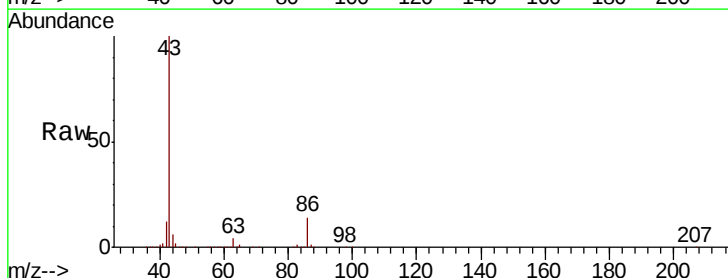
Acq: 24 Oct 2018 19:20

Tgt Ion: 43 Resp: 1192272

Ion Ratio Lower Upper

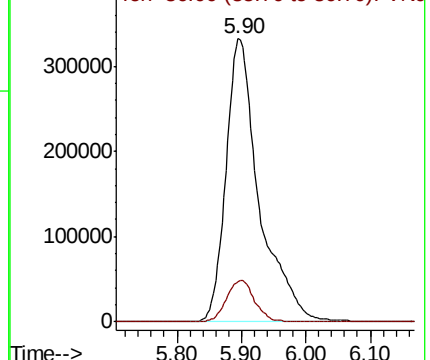
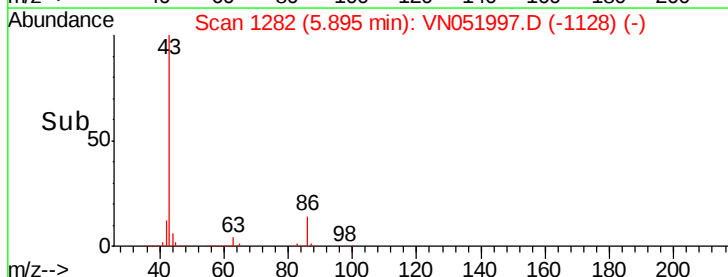
43 100

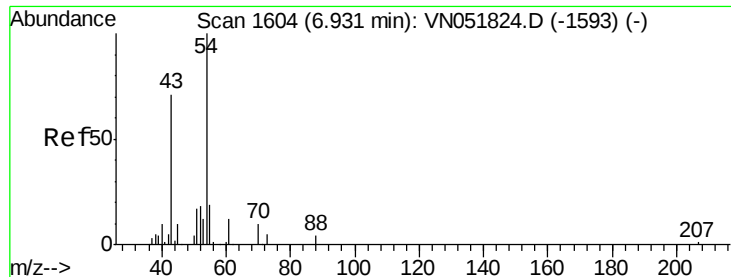
86 12.3 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-1258) (-)

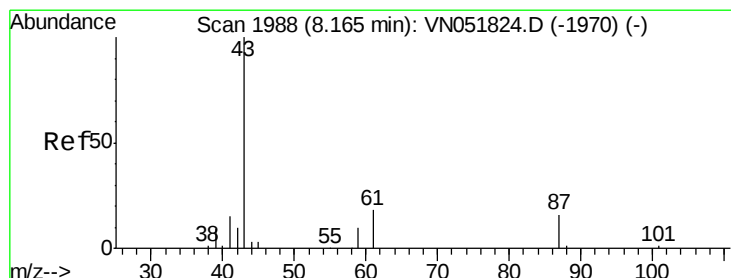
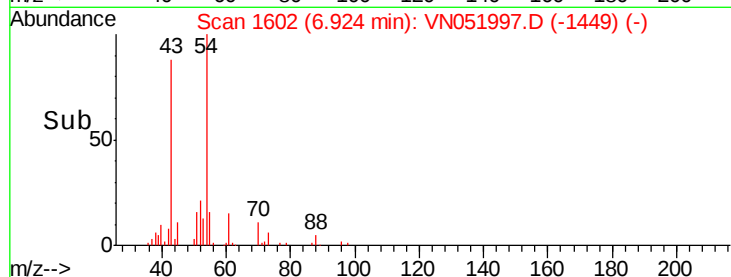
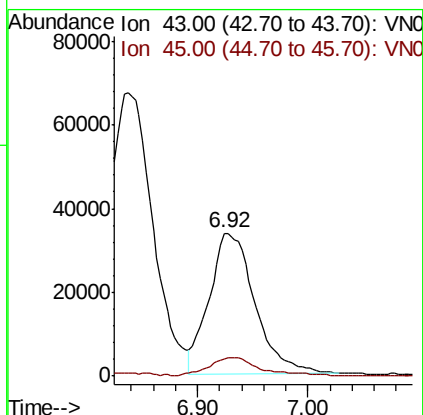
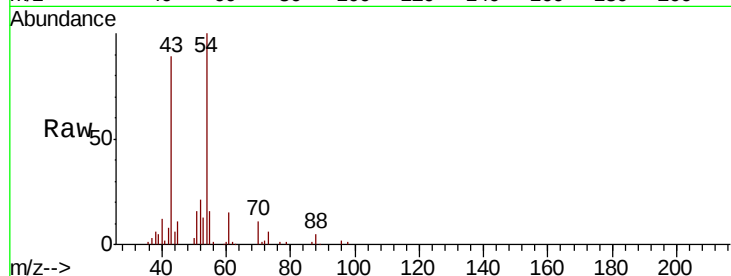




#43
Ethyl Acetate
Concen: 17.412 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

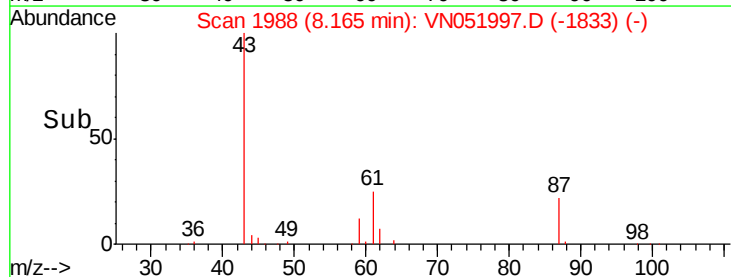
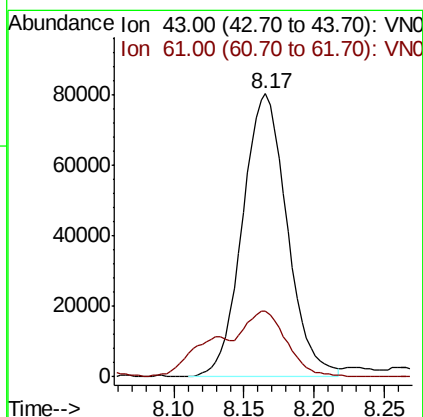
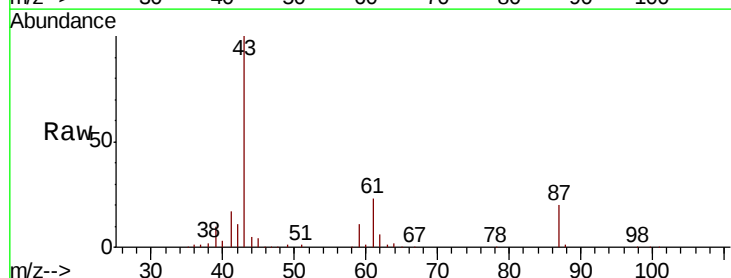
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

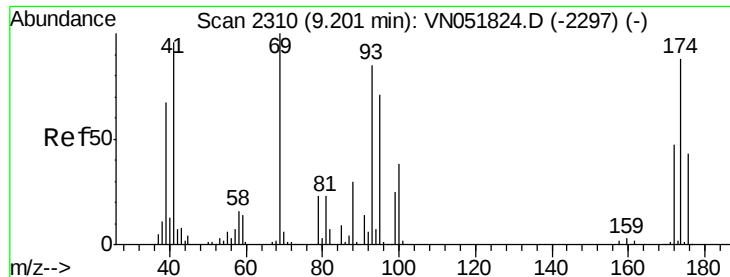
Tot Ion: 43 Resp: 96705
Ion Ratio Lower Upper
43 100
45 12.6 11.0 16.6



#44
Isopropyl Acetate
Concen: 15.946 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 43 Resp: 176892
Ion Ratio Lower Upper
43 100
61 22.8 15.9 23.9





#45

1,4-Dioxane

Concen: 227.684 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

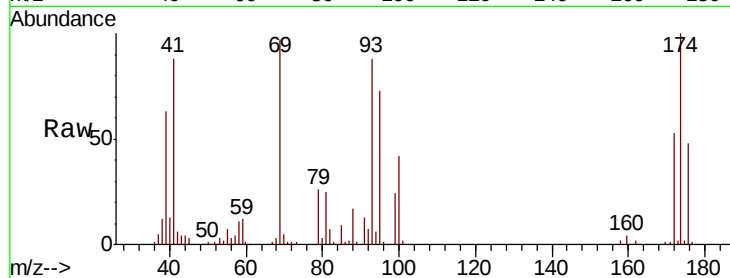
Tot Ion: 88 Resp: 20281

Ion Ratio Lower Upper

88 100

43 19.4 26.2 39.2#

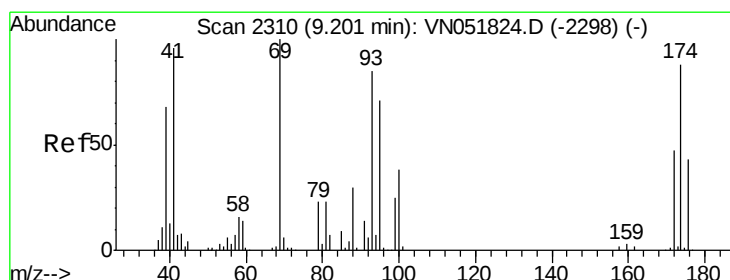
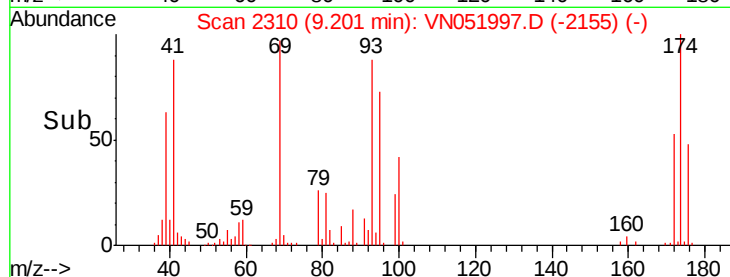
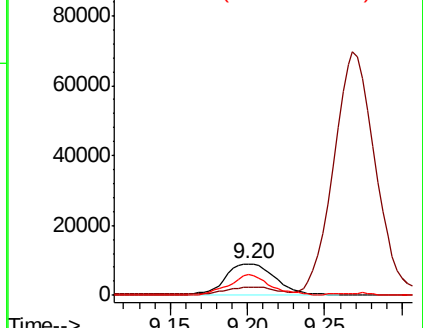
58 54.1 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051824.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN051824.D (-2297) (-)



#46

Methyl methacrylate

Concen: 16.867 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

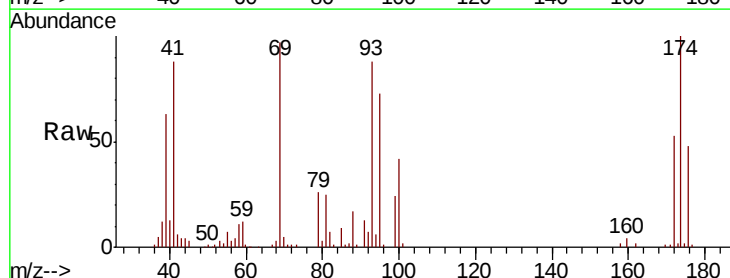
Tgt Ion: 41 Resp: 86308

Ion Ratio Lower Upper

41 100

69 111.2 40.7 122.1

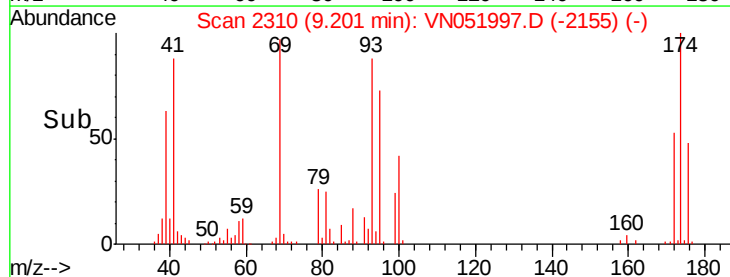
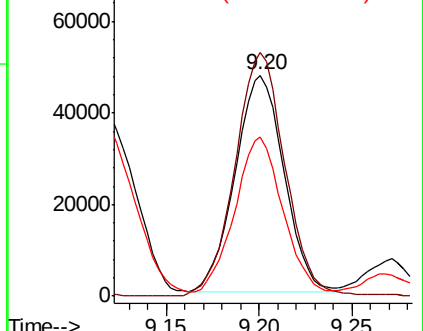
39 71.5 27.3 81.9

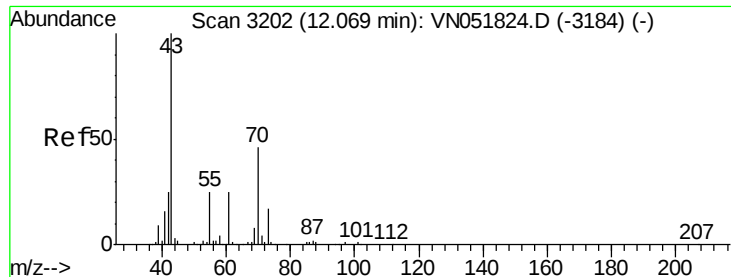


Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051824.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-2298) (-)

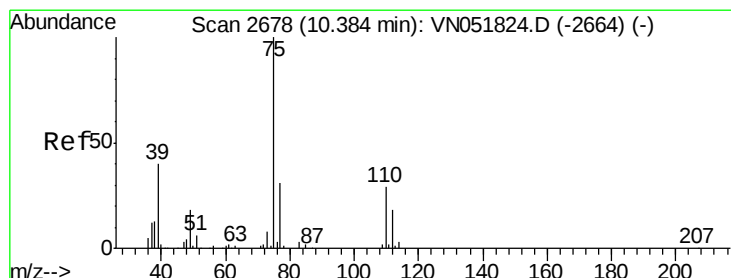
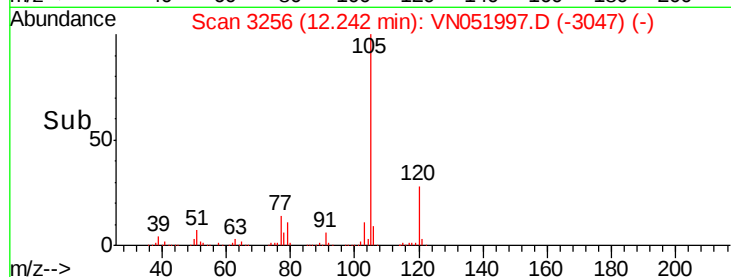
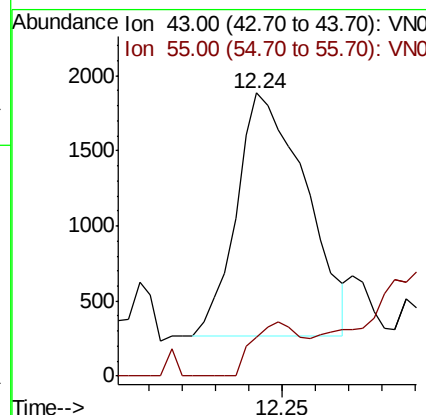
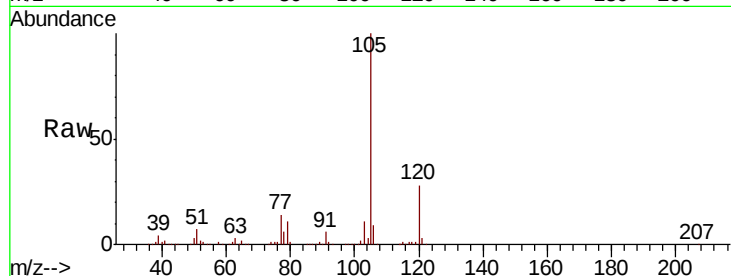




#47
n-amvl Acetate
Concen: 0.253 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.17 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

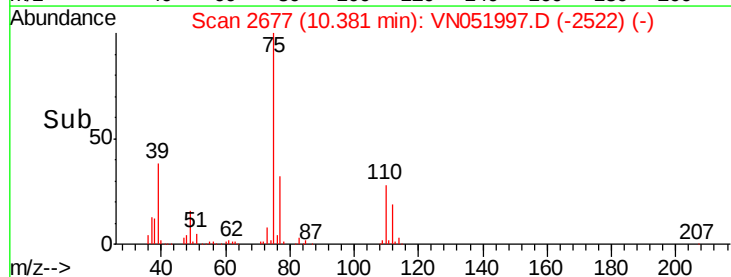
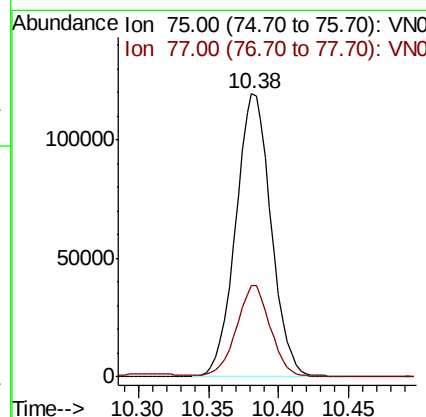
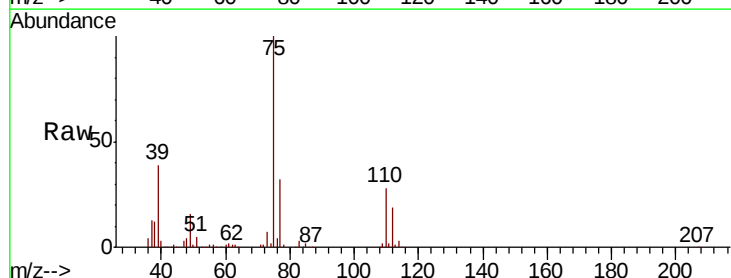
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

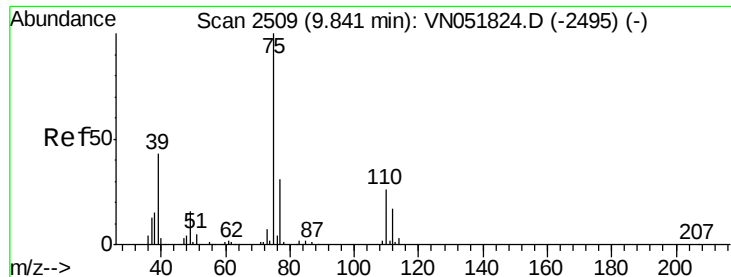
Tot Ion: 43 Resp: 2349
Ion Ratio Lower Upper
43 100
55 16.3 12.2 18.4



#48
t-1,3-Dichloropropene
Concen: 16.451 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 75 Resp: 209650
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0



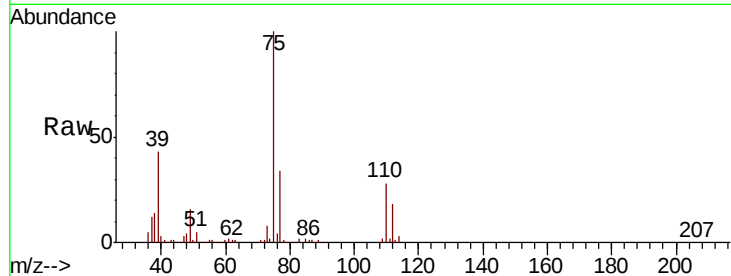


#49

cis-1,3-Dichloropropene
Concen: 17.235 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	23.2	34.8
39	42.5	34.6	52.0

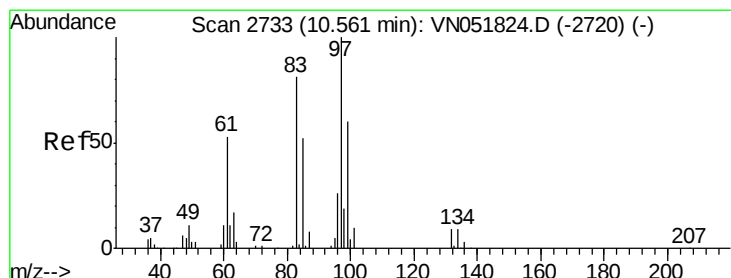
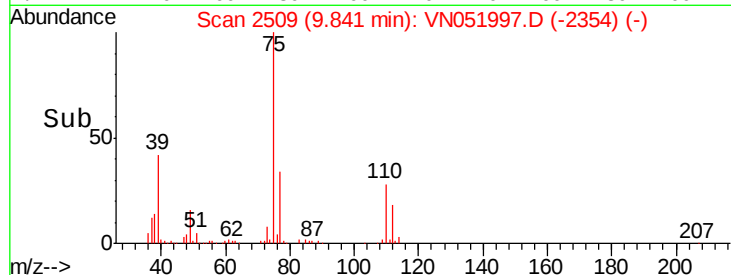
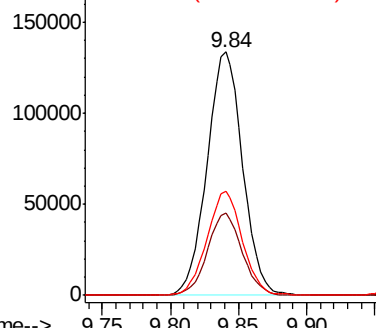


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

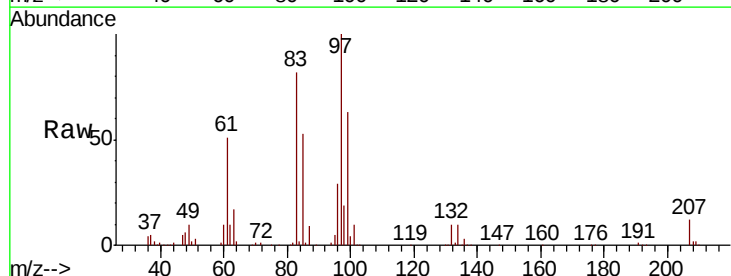
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 19.652 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.2	102.4
85	52.7	42.5	63.7
99	62.6	44.3	66.5



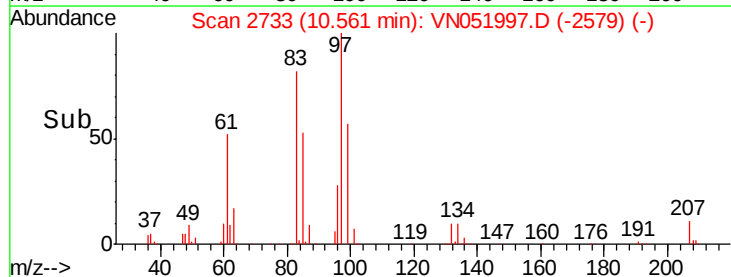
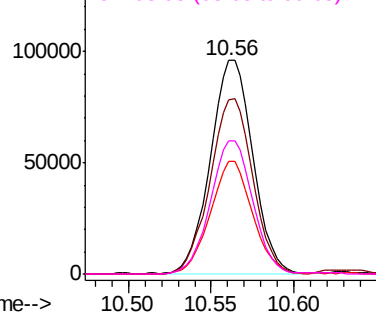
Abundance

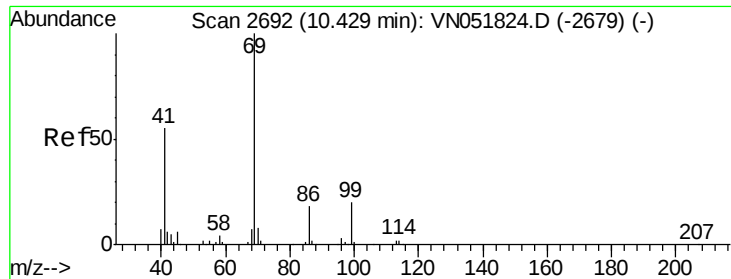
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO

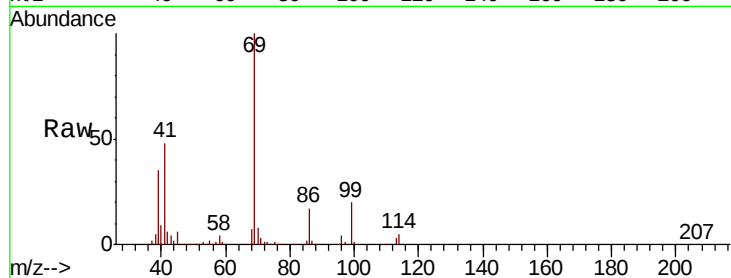




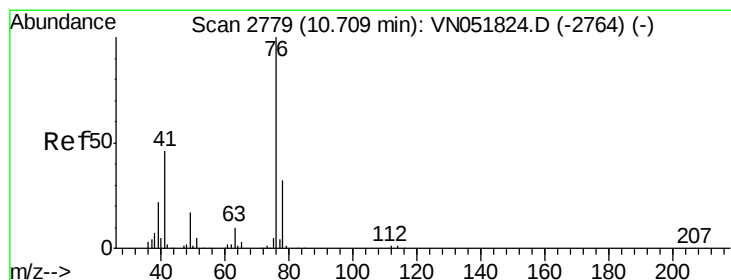
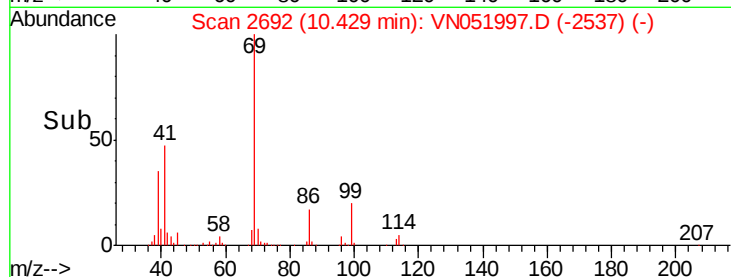
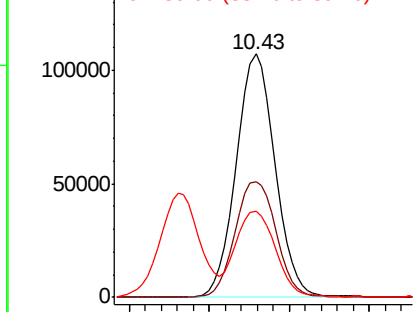
#51
Ethyl methacrylate
Concen: 17.717 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 69 Resp: 177317
Ion Ratio Lower Upper
69 100
41 47.3 34.4 103.1
39 35.0 16.3 48.8

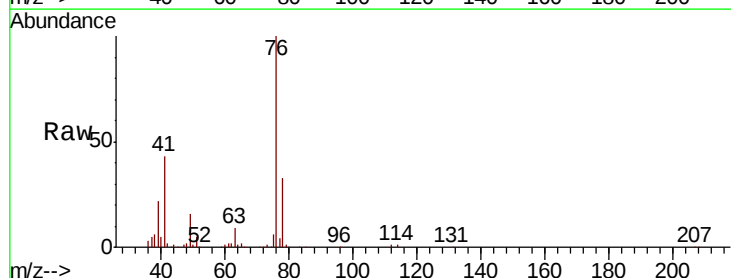


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

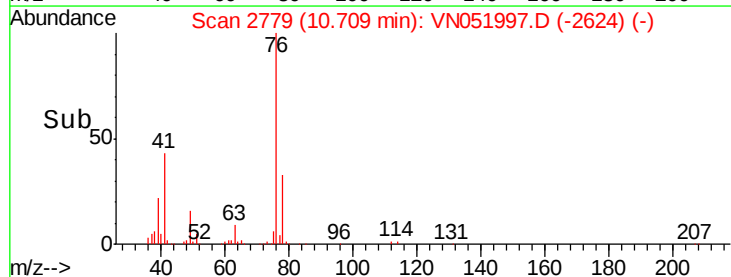
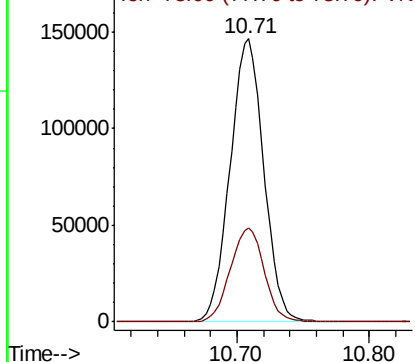


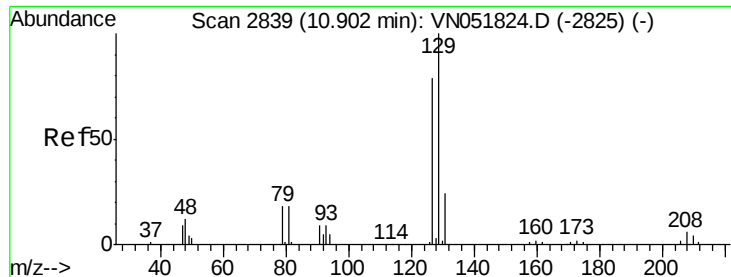
#52
1,3-Dichloropropane
Concen: 19.134 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 76 Resp: 258156
Ion Ratio Lower Upper
76 100
78 33.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 16.528 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

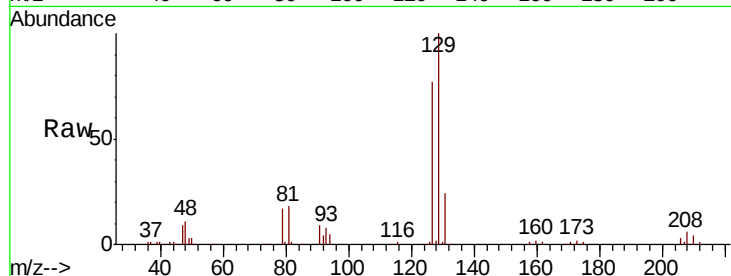
VSTDCCC020EC

Tot Ion:129 Resp: 178746

Ion Ratio Lower Upper

129 100

127 76.9 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

100000

80000

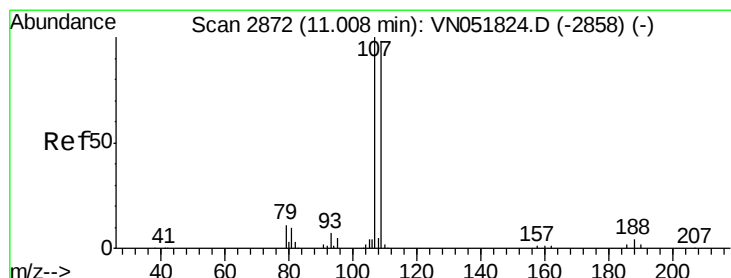
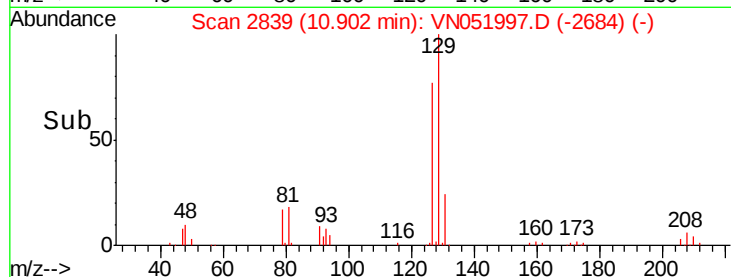
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 18.665 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051997.D

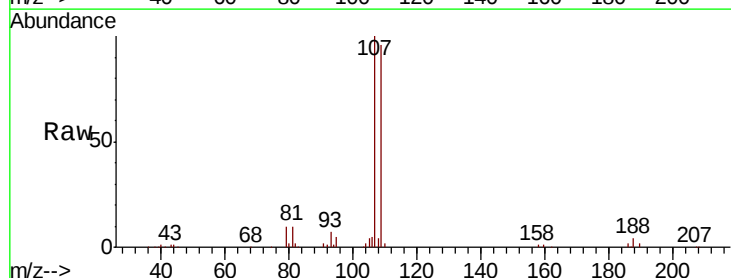
Acq: 24 Oct 2018 19:20

Tgt Ion:107 Resp: 171264

Ion Ratio Lower Upper

107 100

109 96.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

100000

80000

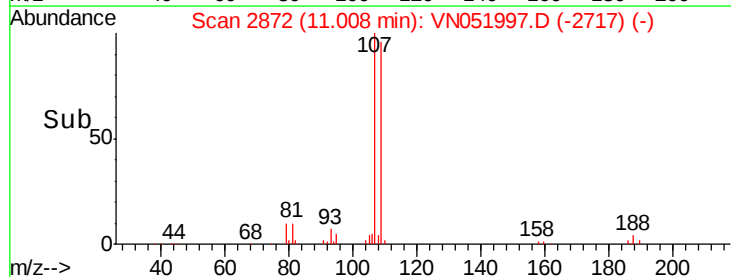
60000

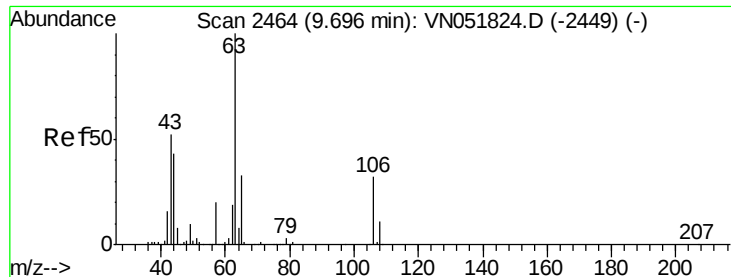
40000

20000

0

Time-->

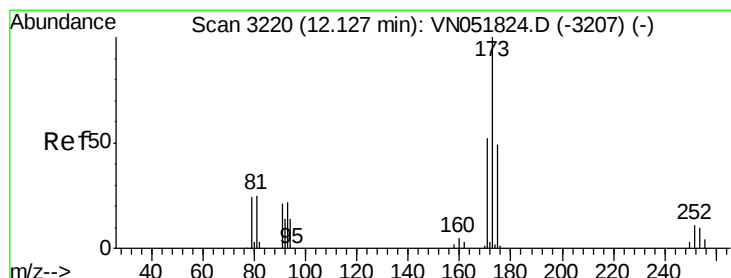
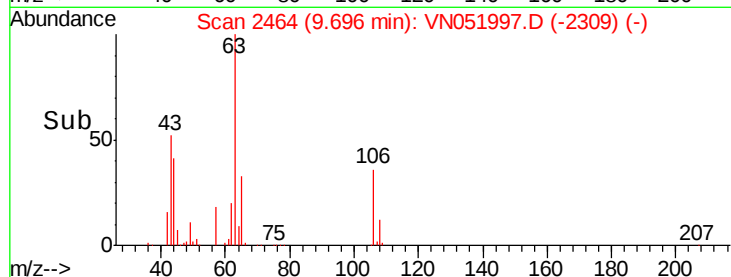
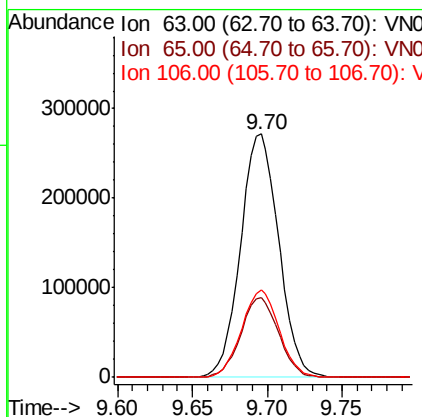
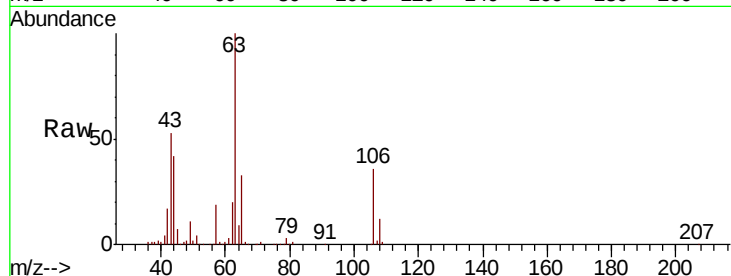




#55
 2-Chloroethyl vinyl ether
 Concen: 112.795 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

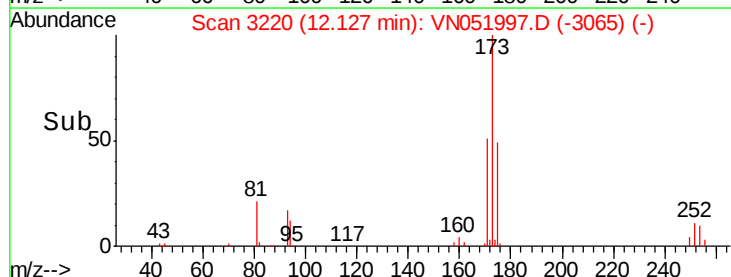
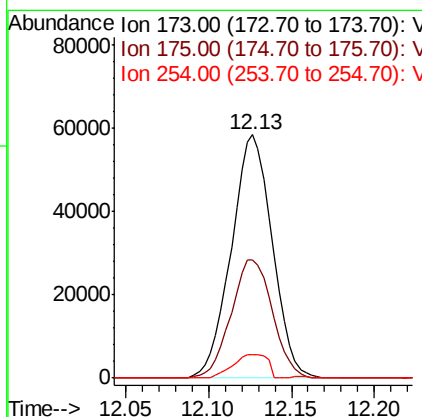
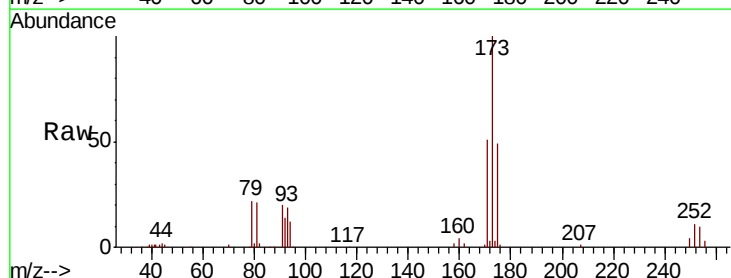
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

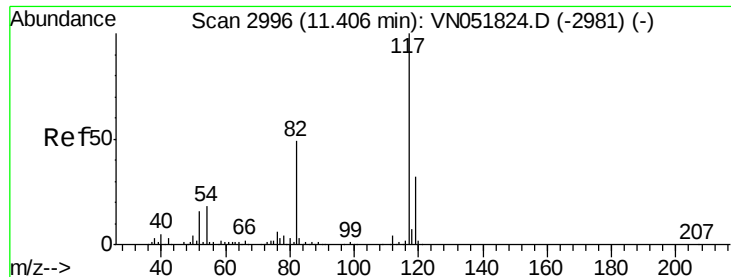
Tot Ion: 63 Resp: 482590
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.4 38.0
 106 35.3 21.2 31.8#



#56
 Bromoform
 Concen: 14.039 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 173 Resp: 100129
 Ion Ratio Lower Upper
 173 100
 175 49.1 35.8 53.8
 254 8.1 8.6 13.0#

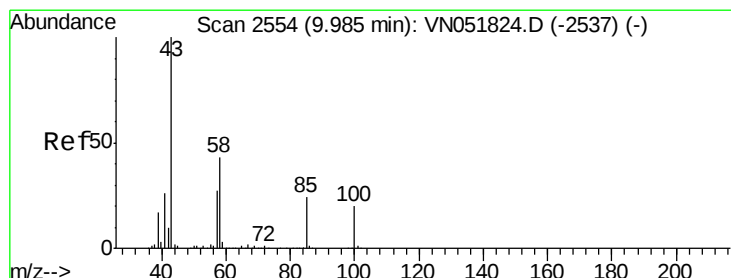
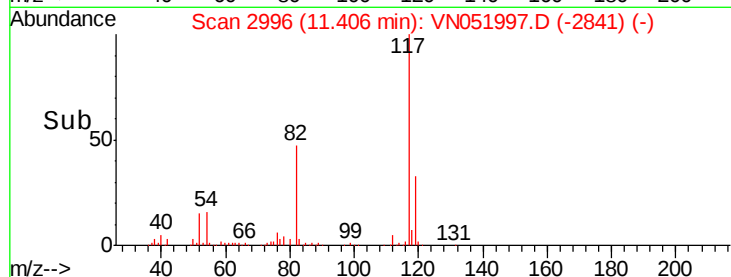
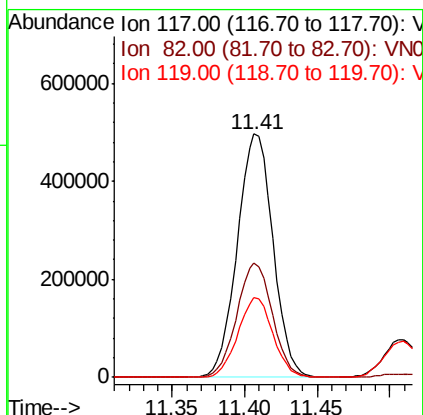
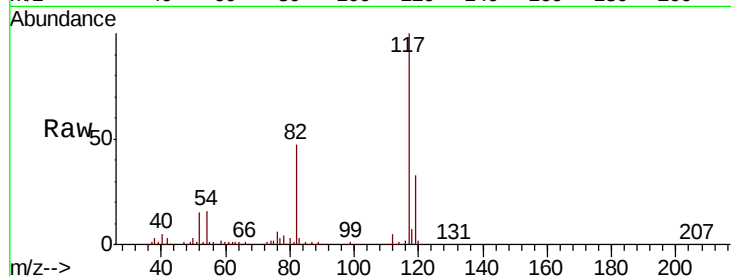




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

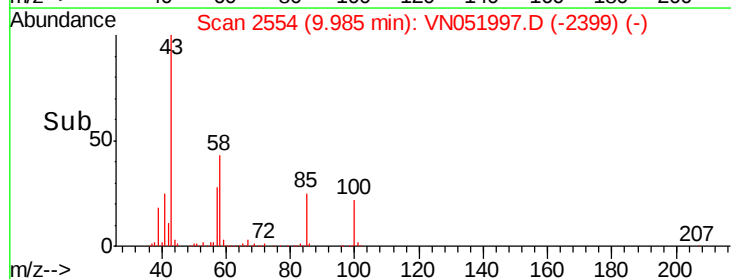
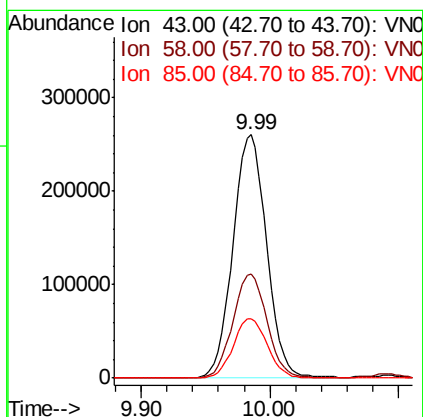
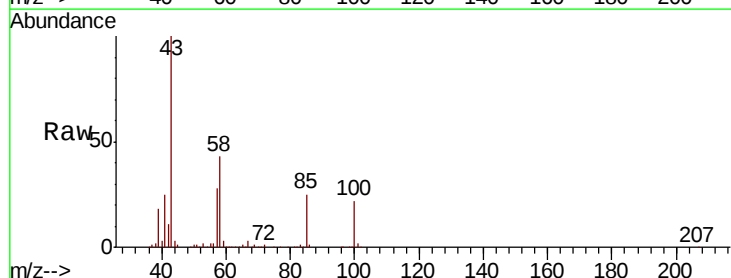
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

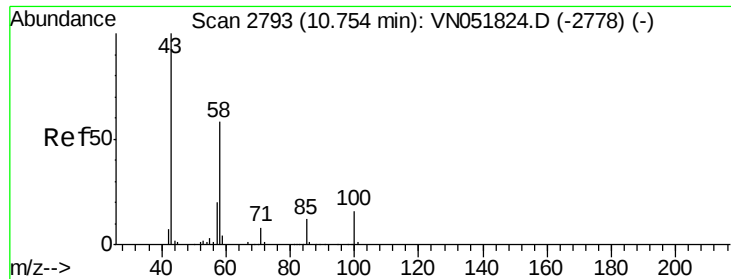
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.9	44.1	66.1
119	32.1	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 82.713 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.3	29.3	43.9
85	24.9	12.6	18.8

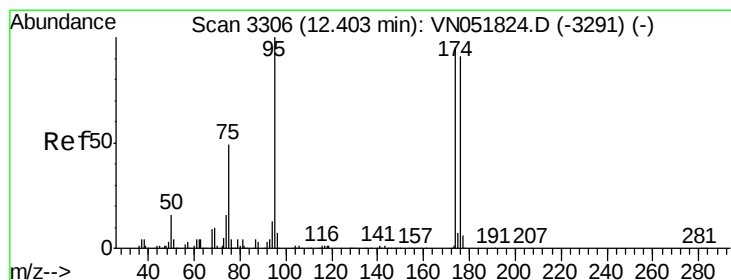
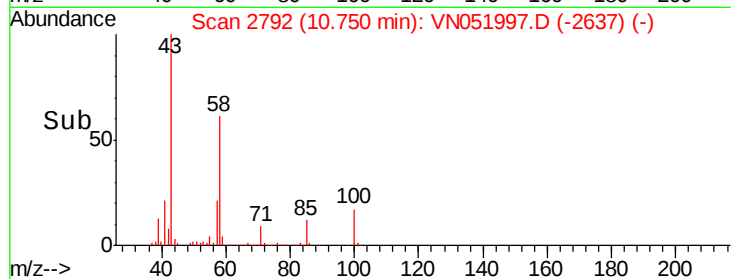
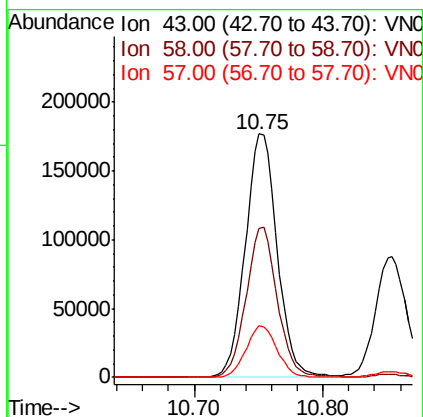
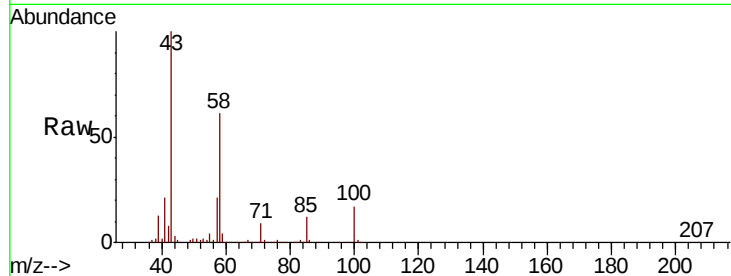




#59
2-Hexanone
Concen: 79.534 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

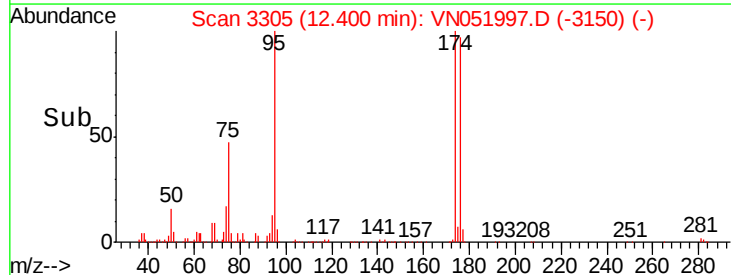
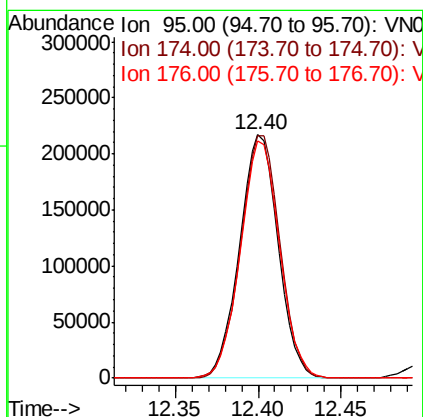
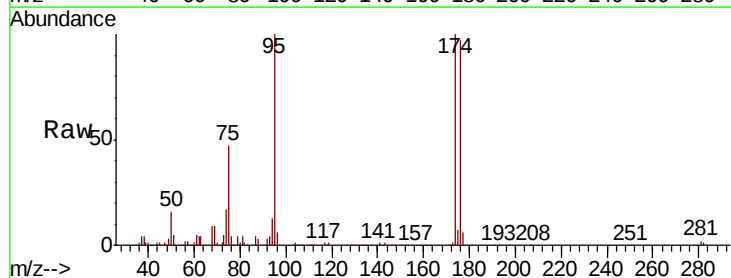
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

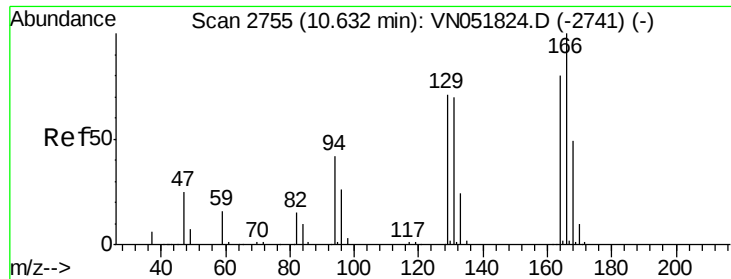
Tot Ion: 43 Resp: 305929
Ion Ratio Lower Upper
43 100
58 59.9 41.3 61.9
57 20.5 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 79.534 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 95 Resp: 351567
Ion Ratio Lower Upper
95 100
174 101.6 73.5 110.3
176 98.8 70.2 105.2





#61

Tetrachloroethene

Concen: 18.967 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 206661

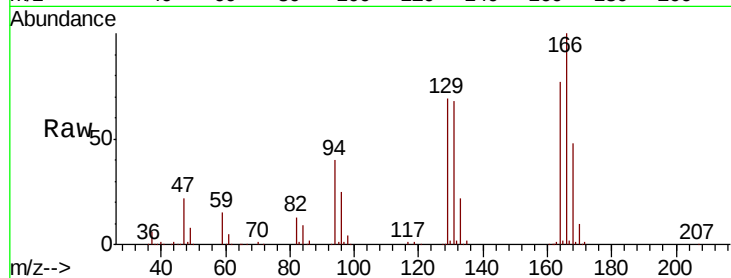
Ion Ratio Lower Upper

164 100

166 129.7 98.7 148.1

129 89.3 69.6 104.4

131 88.3 72.4 108.6

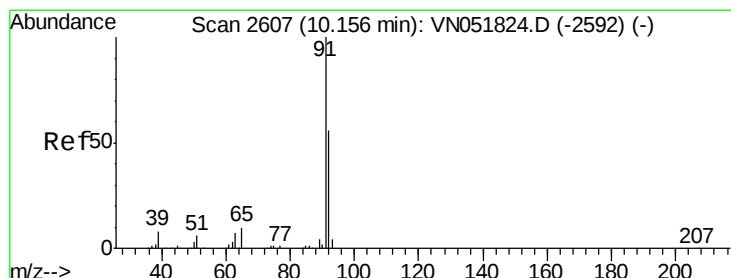
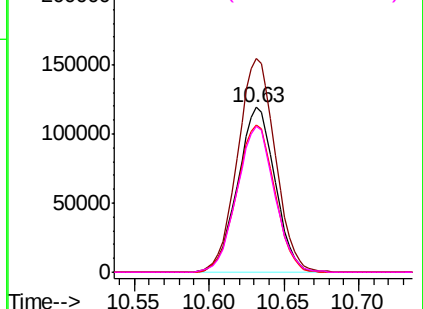
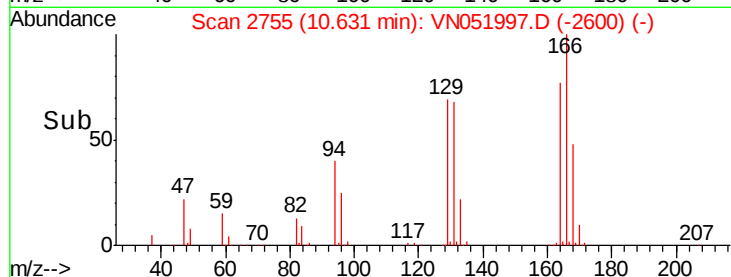


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.778 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051997.D

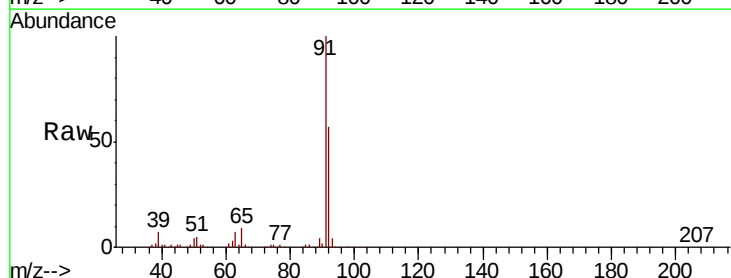
Acq: 24 Oct 2018 19:20

Tgt Ion: 91 Resp: 837140

Ion Ratio Lower Upper

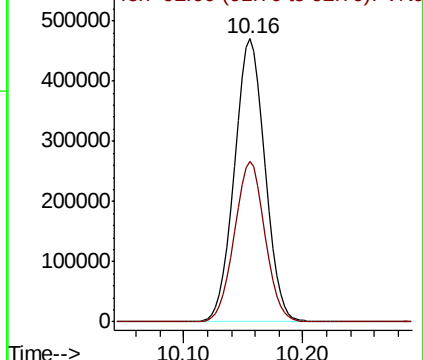
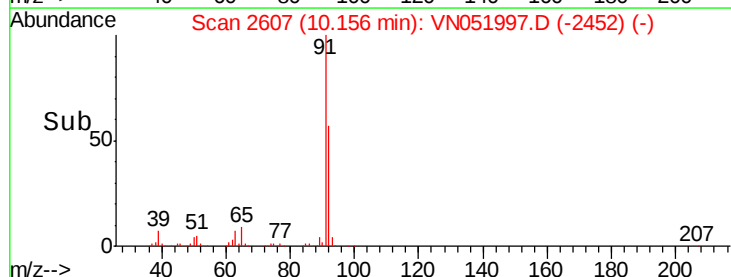
91 100

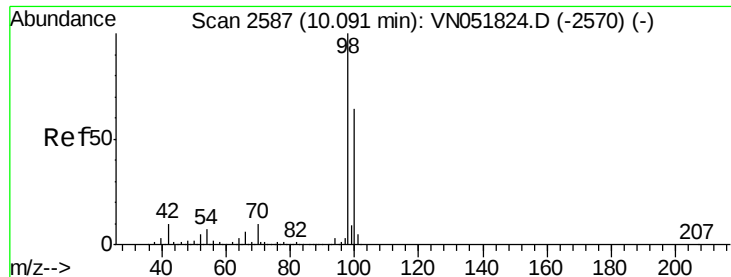
92 56.7 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.778 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

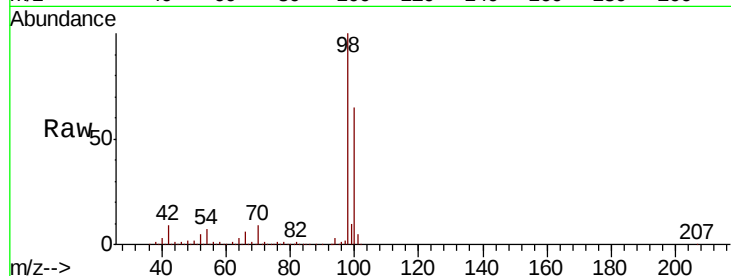
VSTDCCC020EC

Tot Ion: 98 Resp: 1082602

Ion Ratio Lower Upper

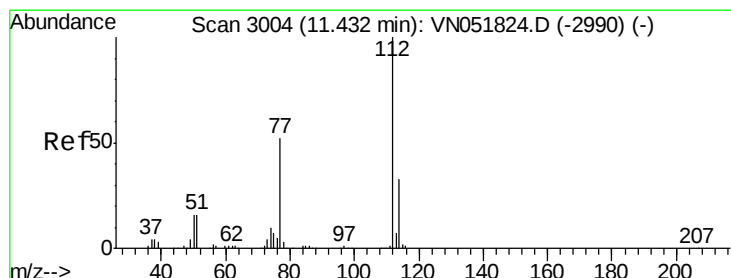
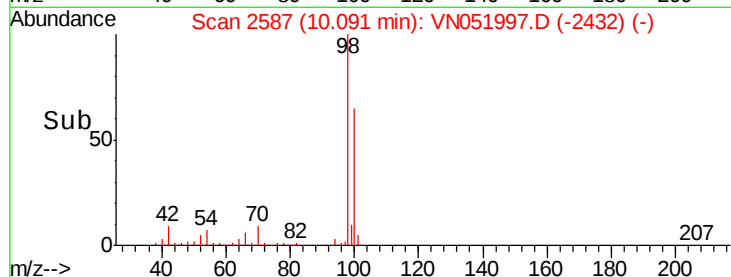
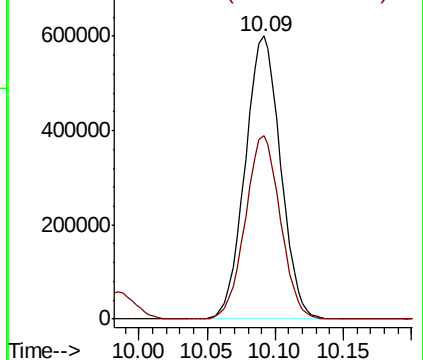
98 100

100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.197 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051997.D

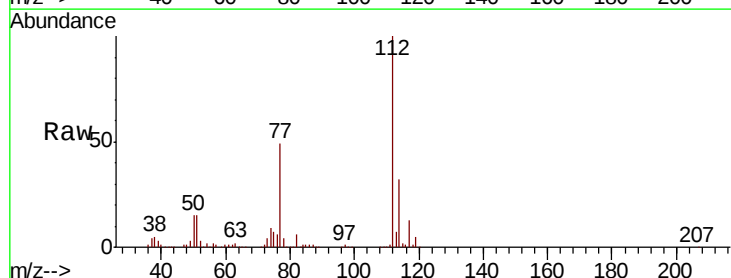
Acq: 24 Oct 2018 19:20

Tgt Ion: 112 Resp: 559872

Ion Ratio Lower Upper

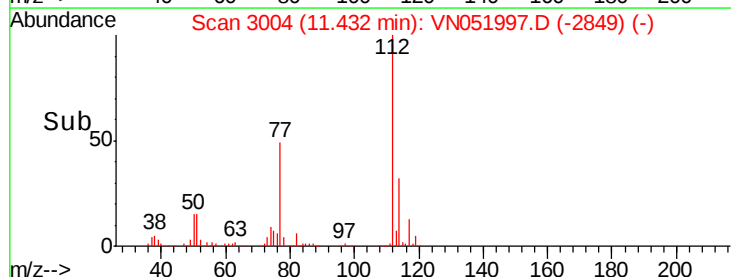
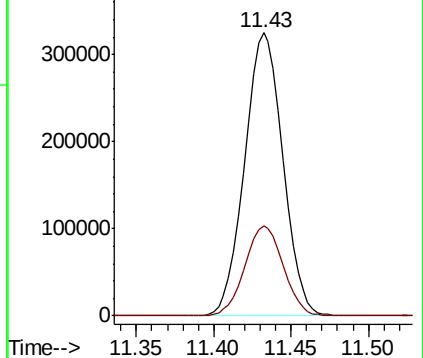
112 100

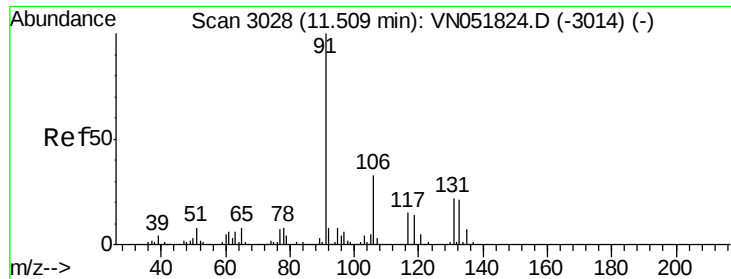
114 31.8 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 18.737 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

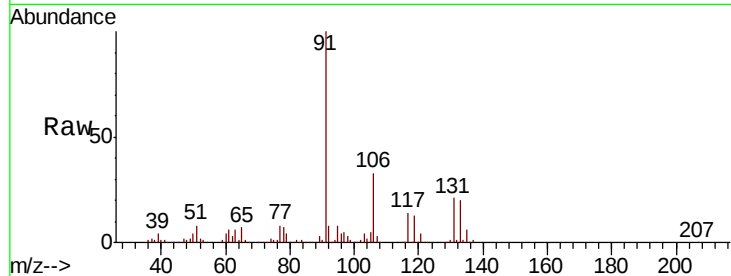
Tot Ion:131 Resp: 199361

Ion Ratio Lower Upper

131 100

133 95.4 0.0 190.4

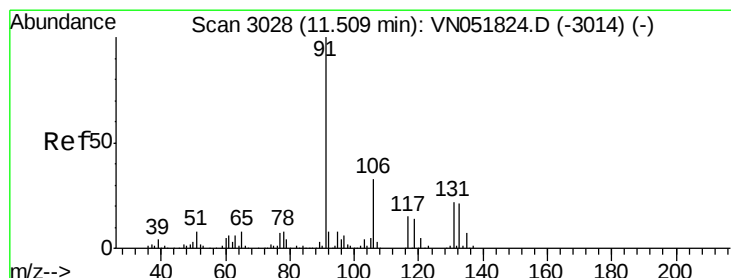
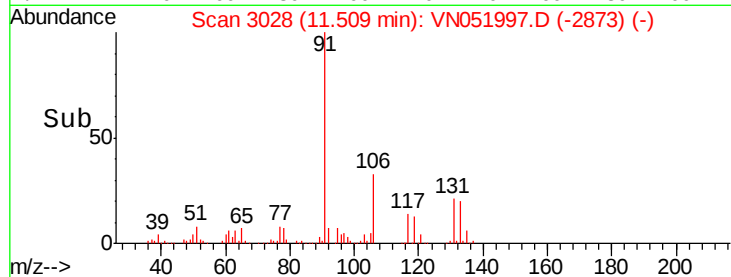
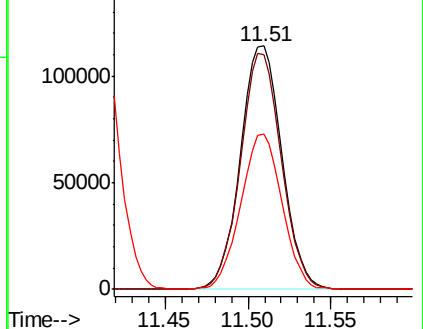
119 63.5 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.820 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051997.D

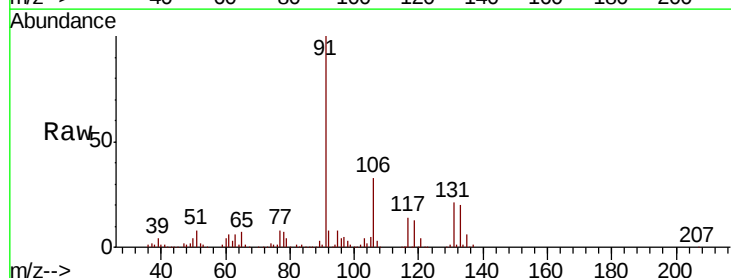
Acq: 24 Oct 2018 19:20

Tgt Ion: 91 Resp: 880403

Ion Ratio Lower Upper

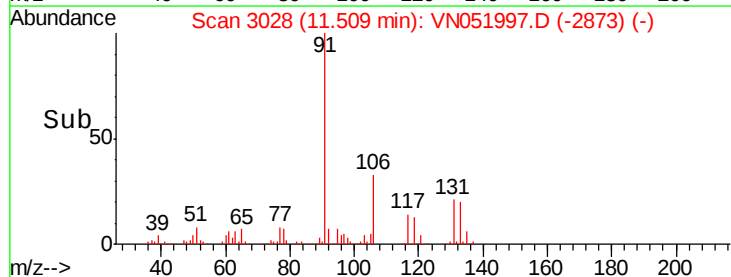
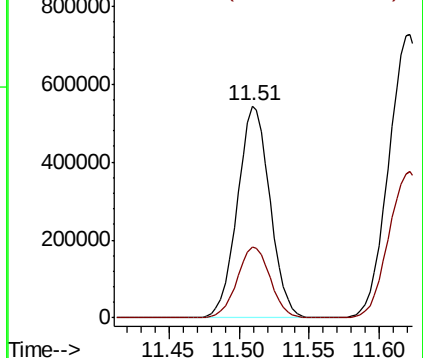
91 100

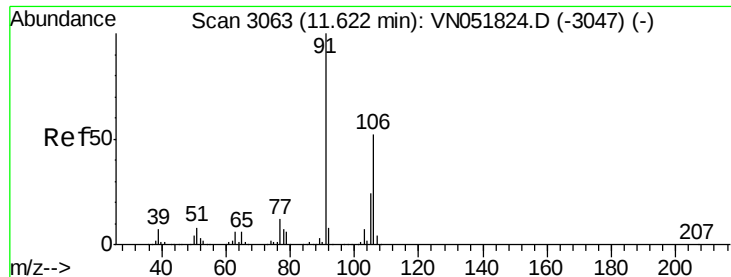
106 33.5 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

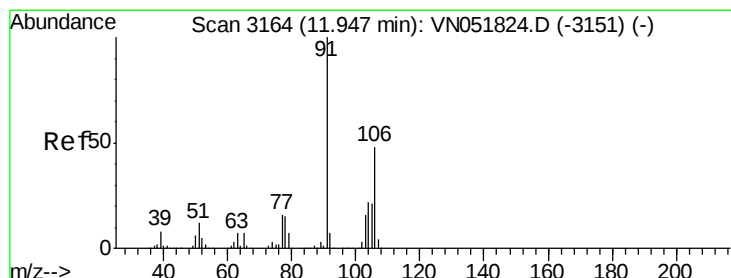
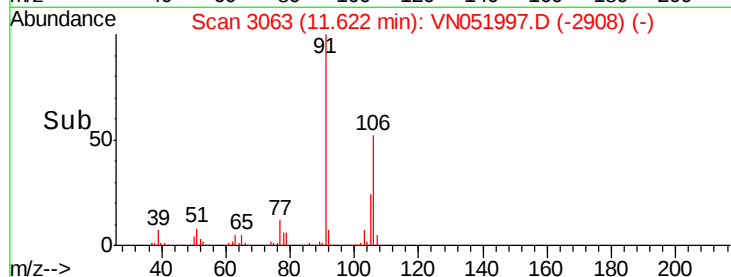
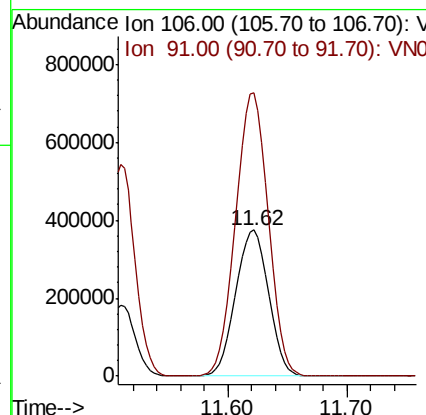
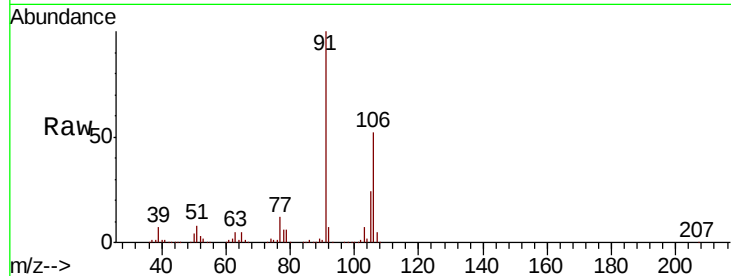




#67
m/p-Xylenes
Concen: 38.059 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

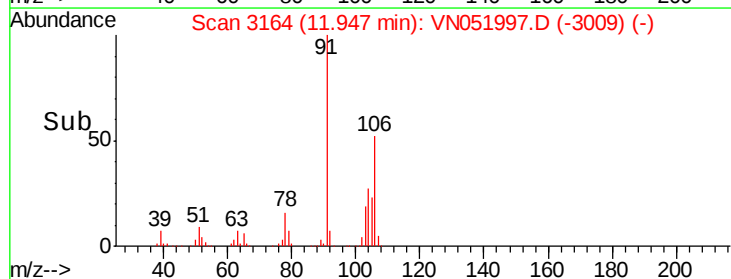
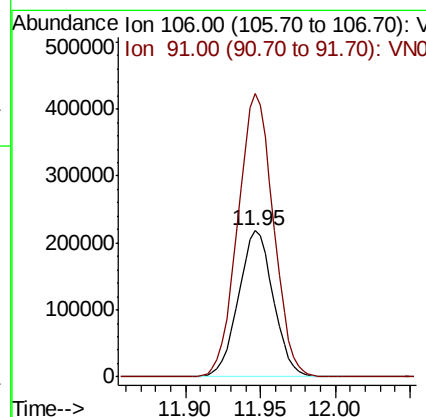
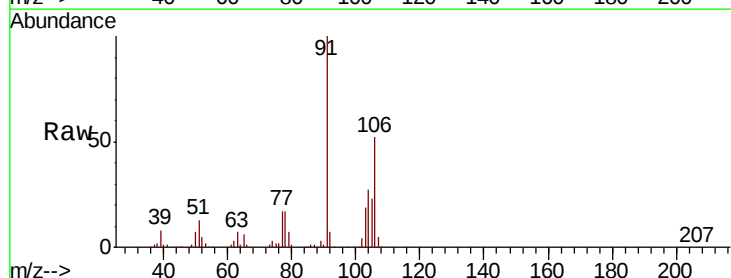
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

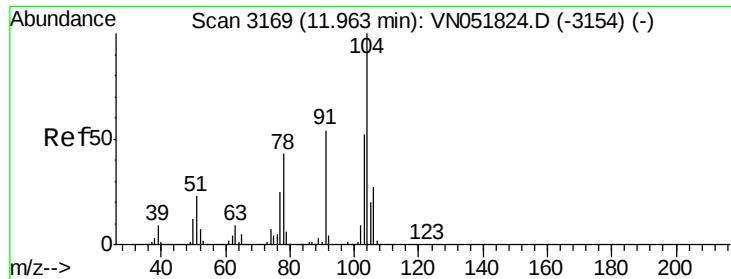
Tot Ion:106 Resp: 721810
Ion Ratio Lower Upper
106 100
91 191.8 158.8 238.2



#68
o-Xylene
Concen: 18.967 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion:106 Resp: 354616
Ion Ratio Lower Upper
106 100
91 197.5 111.1 333.3

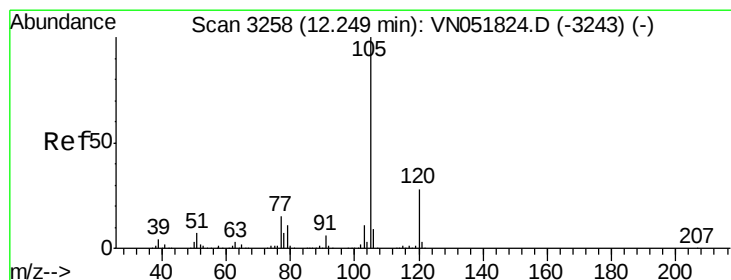
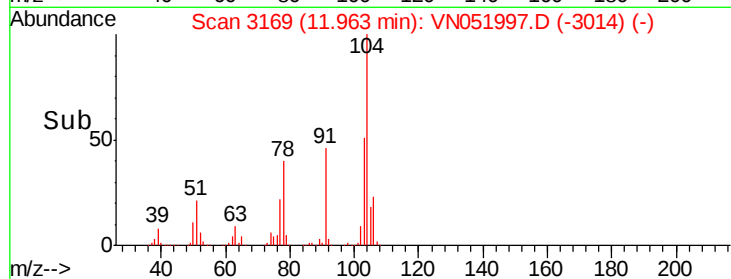
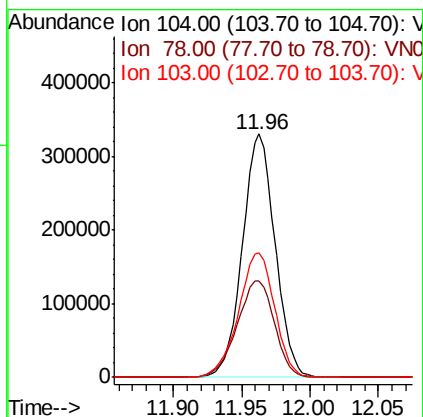
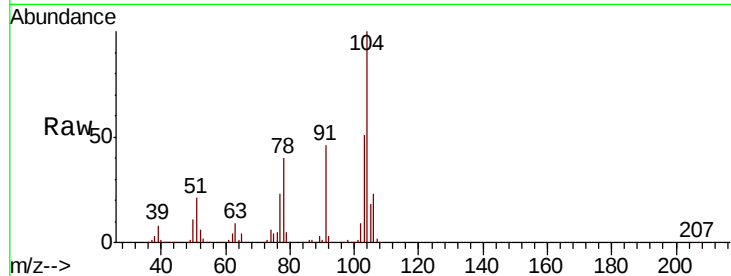




#69
Stvrene
Concen: 19.159 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

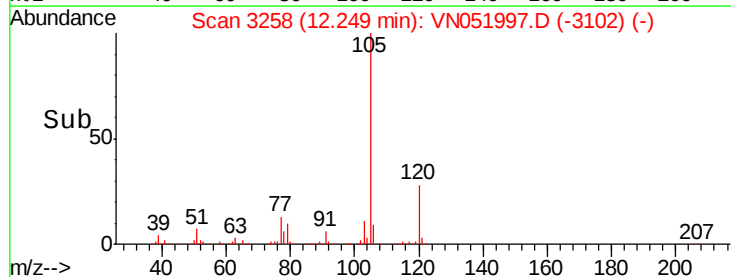
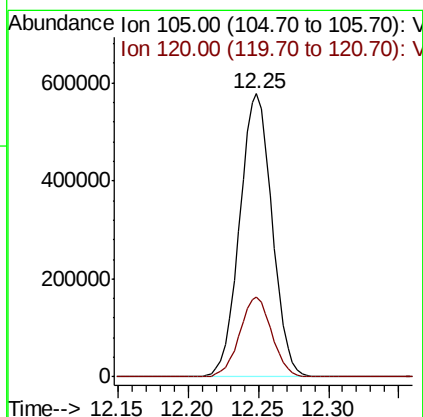
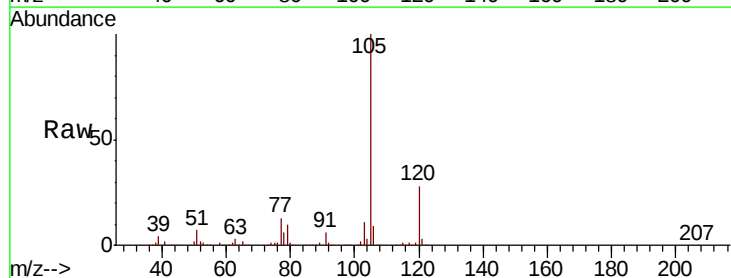
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

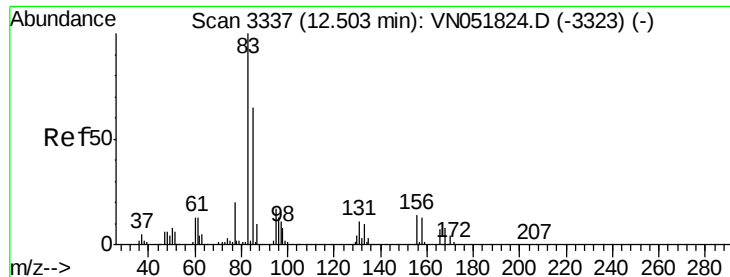
Tot Ion:104 Resp: 549584
Ion Ratio Lower Upper
104 100
78 45.3 40.6 60.8
103 56.5 44.0 66.0



#70
Isopropylbenzene
Concen: 18.646 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion:105 Resp: 929629
Ion Ratio Lower Upper
105 100
120 28.0 19.0 35.4

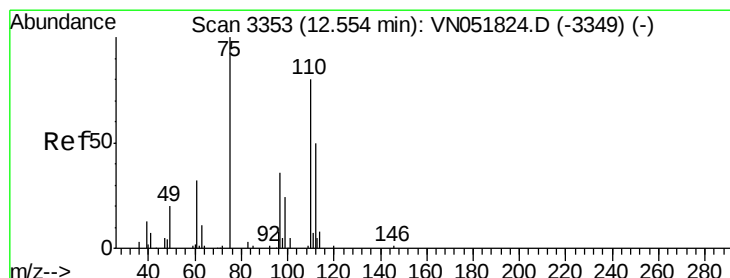
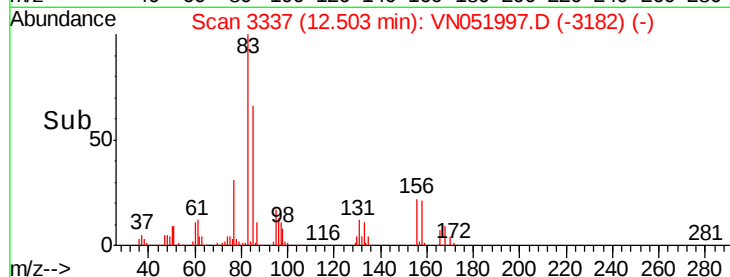
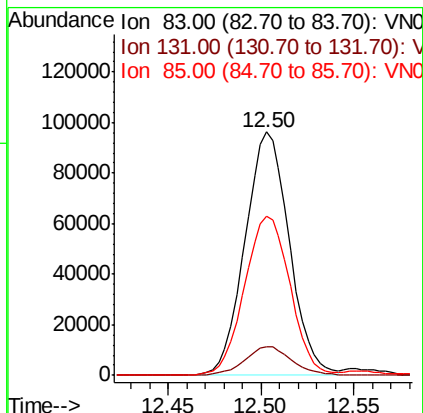
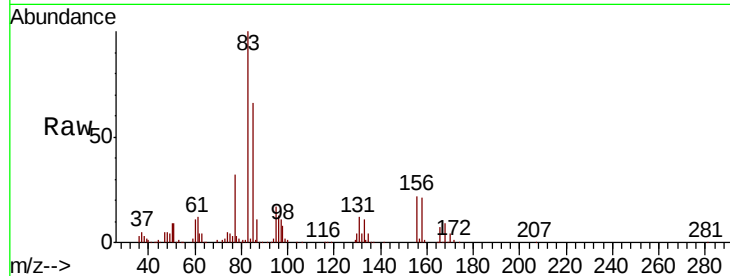




#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.193 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

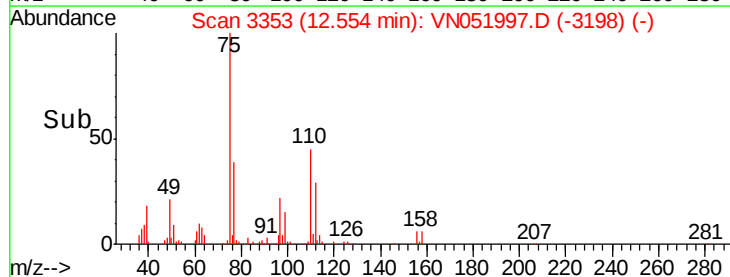
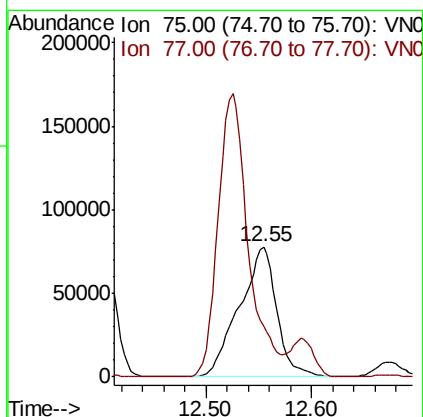
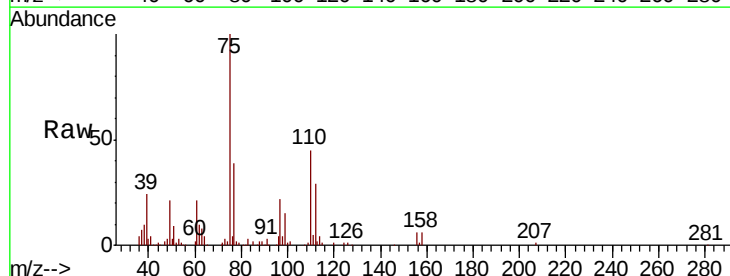
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

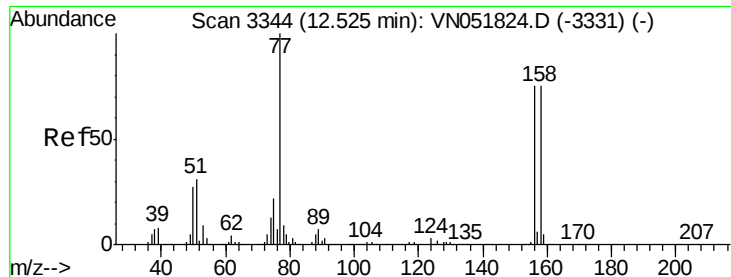
Tot Ion: 83 Resp: 159439
 Ion Ratio Lower Upper
 83 100
 131 12.6 5.5 16.4
 85 67.4 30.6 91.8



#72
 1,2,3-Trichloropropane
 Concen: 24.796 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion: 75 Resp: 192069
 Ion Ratio Lower Upper
 75 100
 77 174.4 0.0 400.0





#73

Bromobenzene

Concen: 19.913 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

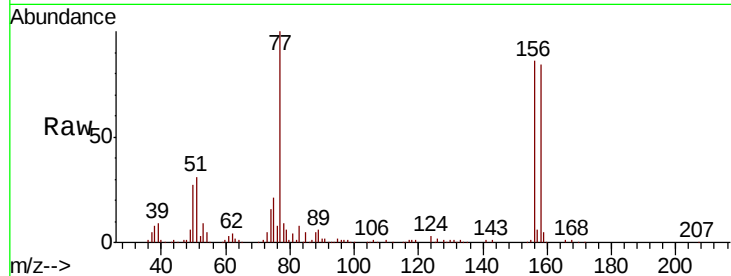
Tot Ion:156 Resp: 245917

Ion Ratio Lower Upper

156 100

77 136.2 0.0 377.4

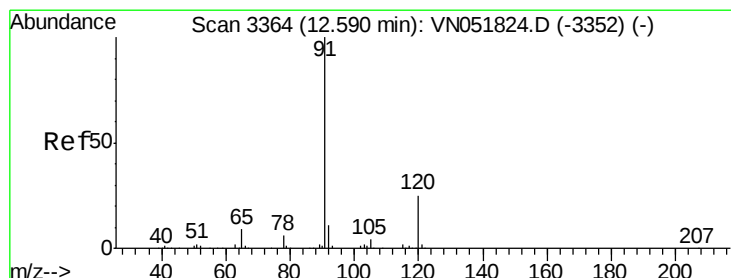
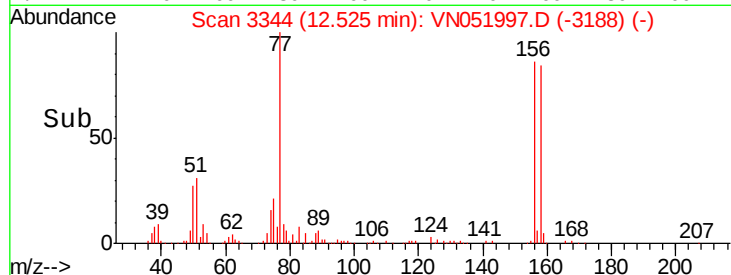
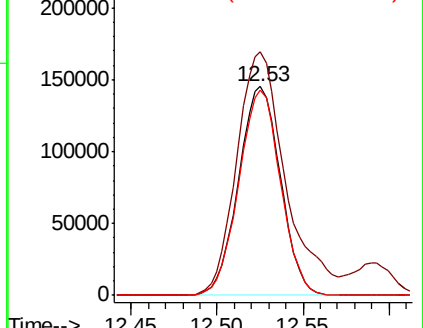
158 97.7 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.347 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051997.D

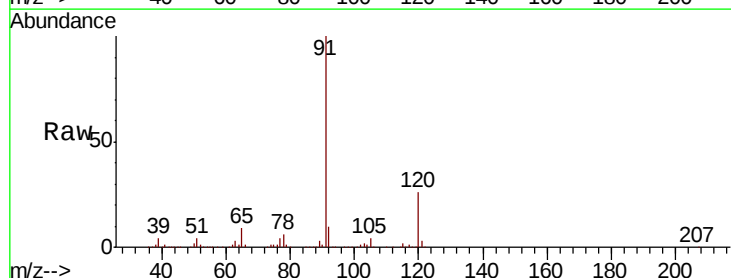
Acq: 24 Oct 2018 19:20

Tgt Ion: 91 Resp: 983930

Ion Ratio Lower Upper

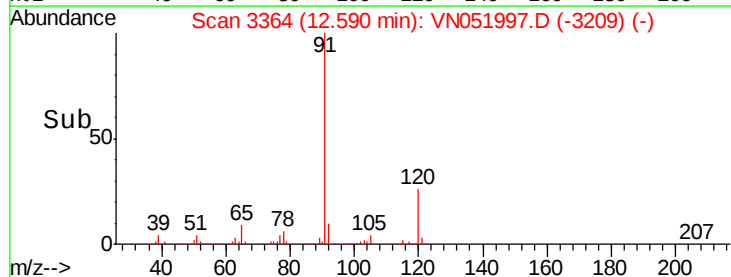
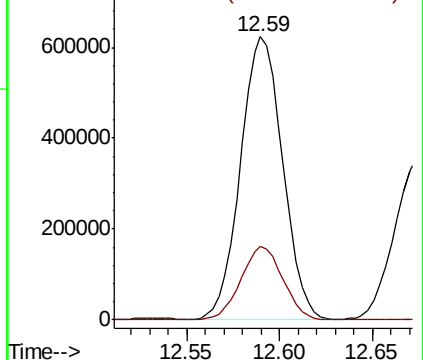
91 100

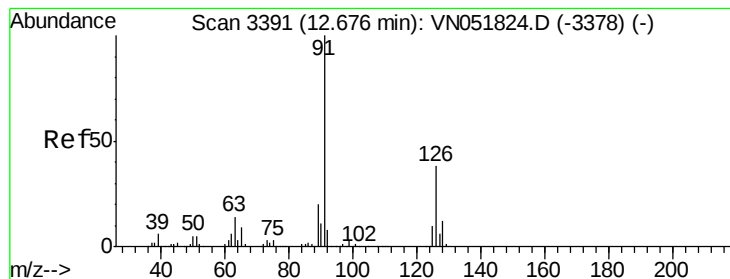
120 25.8 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.290 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

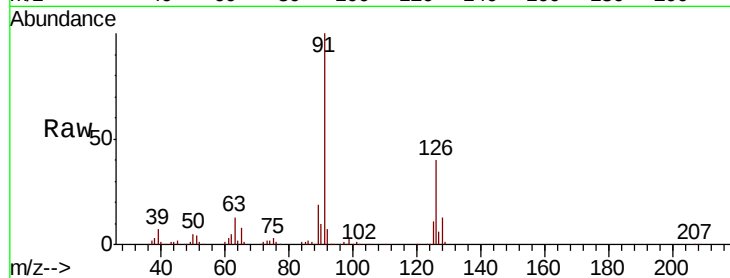
VSTDCCC020EC

Tot Ion: 91 Resp: 575060

Ion Ratio Lower Upper

91 100

126 40.2 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

600000

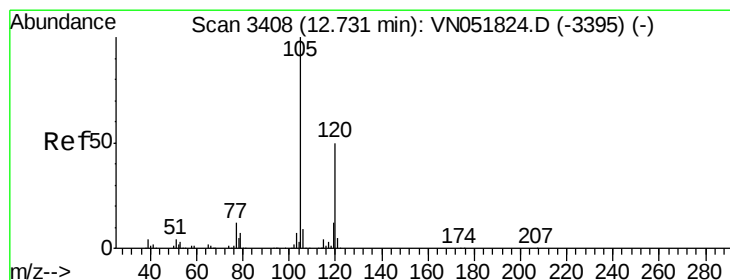
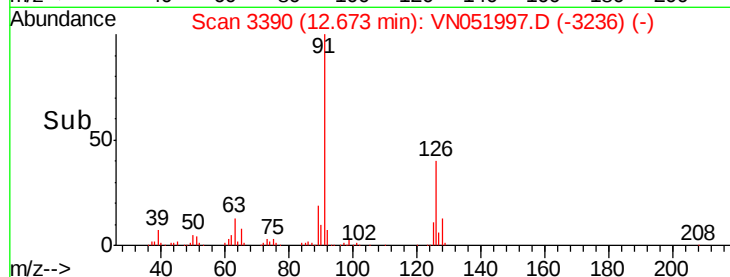
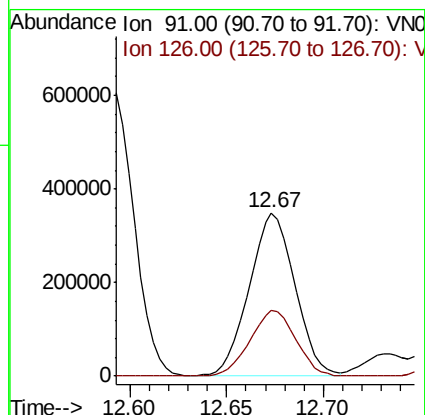
400000

200000

0

12.60 12.65 12.70

12.67



#76

1,3,5-Trimethylbenzene

Concen: 17.855 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051997.D

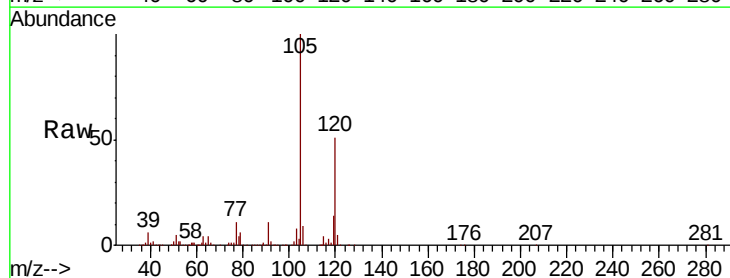
Acq: 24 Oct 2018 19:20

Tgt Ion: 105 Resp: 736142

Ion Ratio Lower Upper

105 100

120 51.2 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

500000

400000

300000

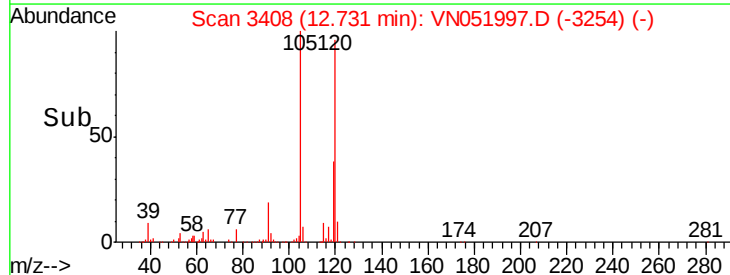
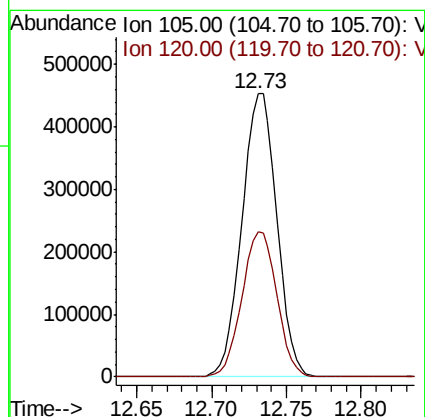
200000

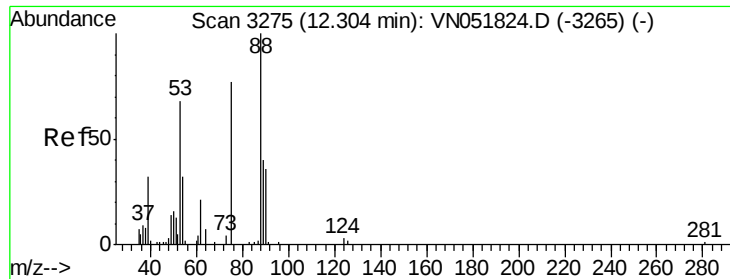
100000

0

12.65 12.70 12.75 12.80

12.73

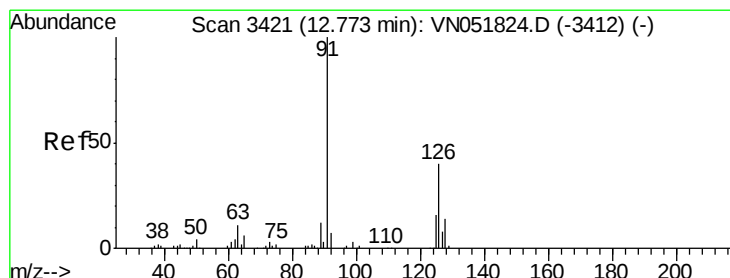
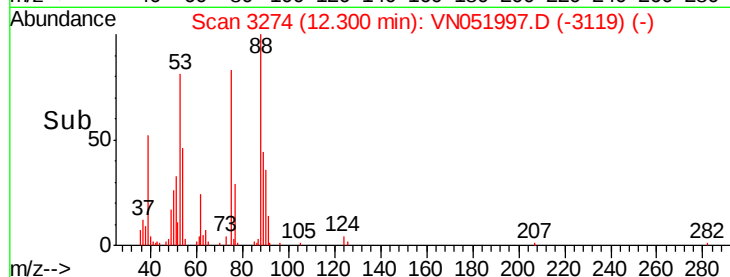
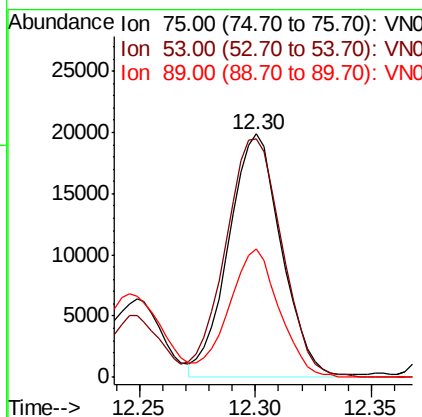
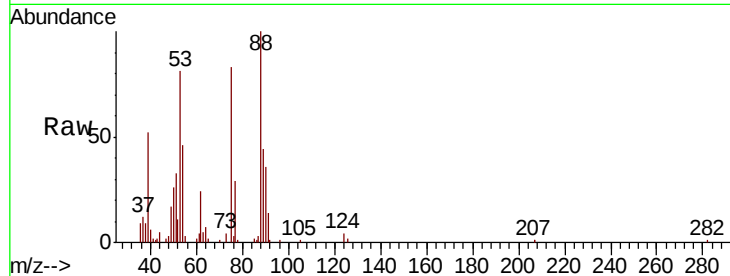




#77
t-1,4-Dichloro-2-butene
Concen: 12.294 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

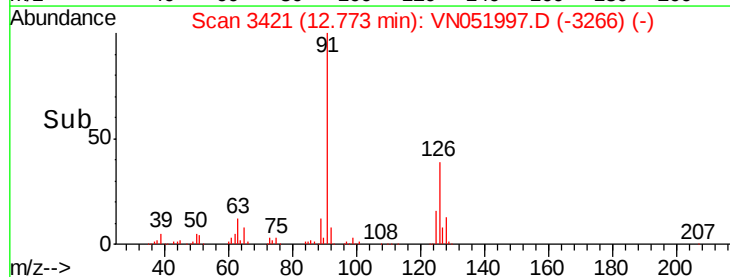
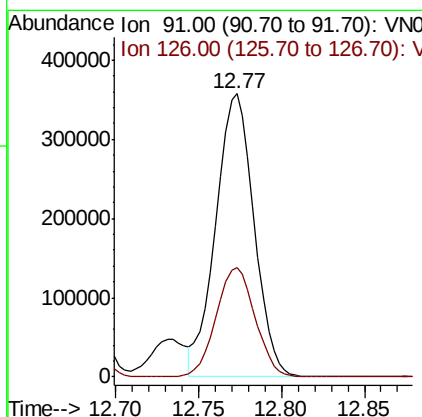
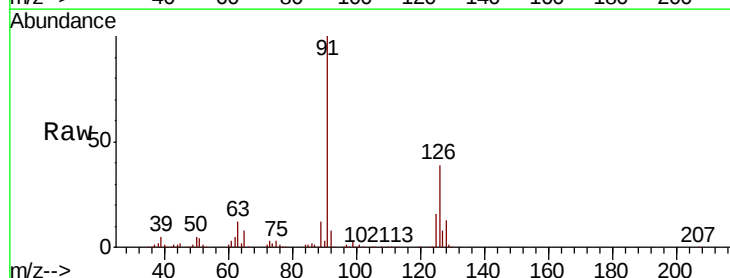
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

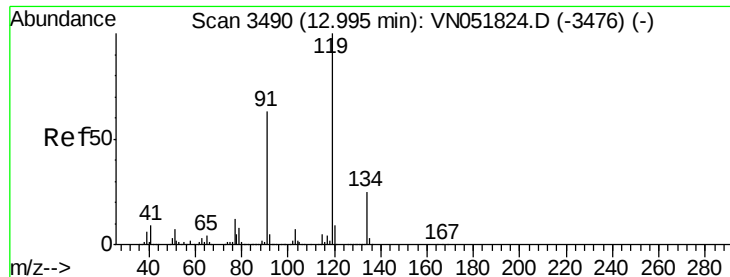
Tot Ion: 75 Resp: 31494
Ion Ratio Lower Upper
75 100
53 98.0 46.3 138.9
89 53.4 24.6 73.8



#78
4-Chlorotoluene
Concen: 18.598 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 91 Resp: 574498
Ion Ratio Lower Upper
91 100
126 39.1 0.0 65.2

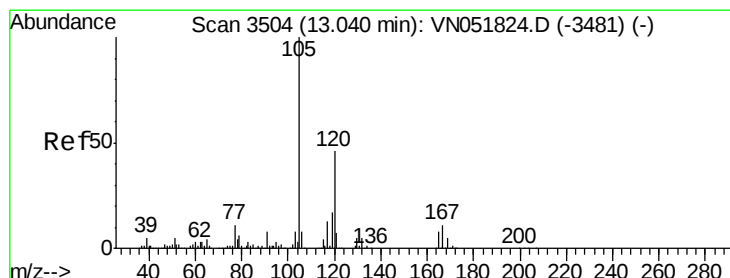
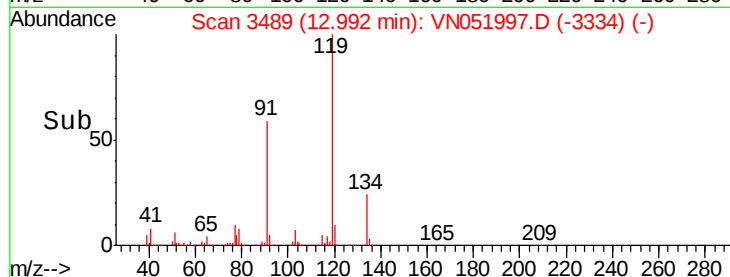
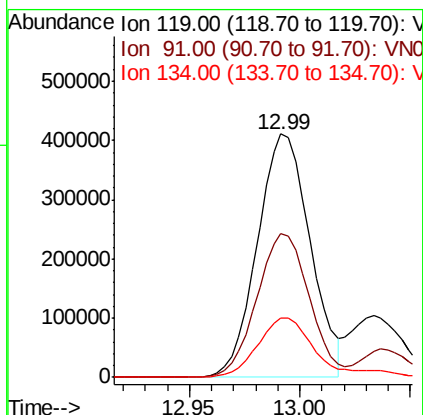
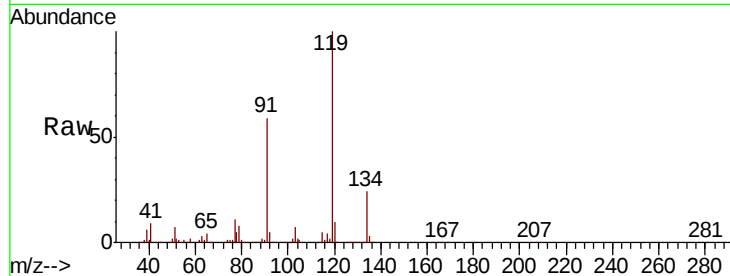




#79
tert-butylbenzene
Concen: 18.005 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

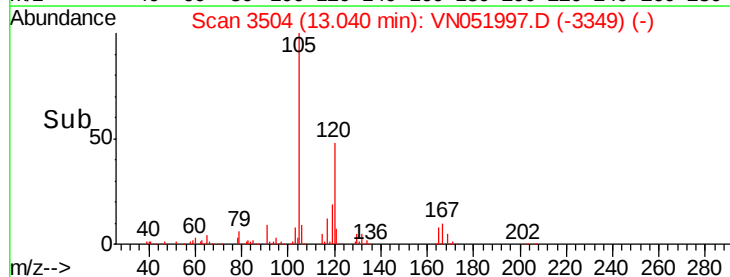
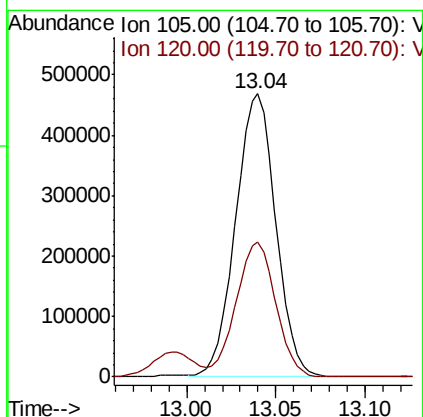
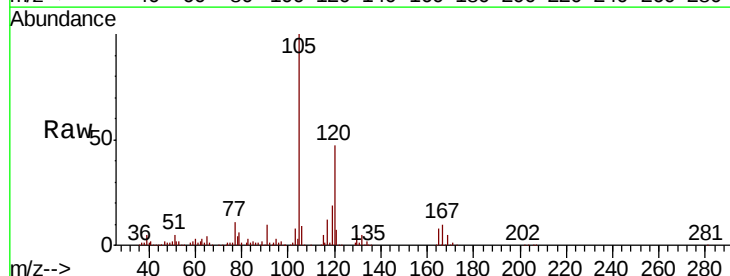
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

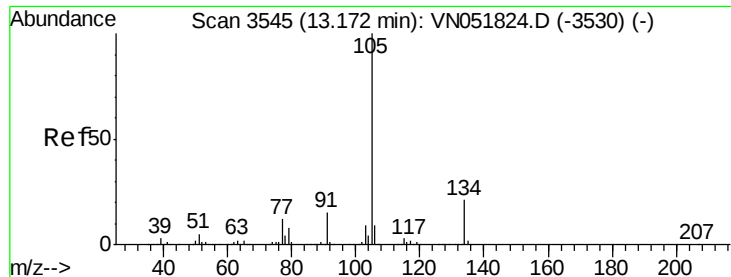
Tot Ion:119 Resp: 682679
Ion Ratio Lower Upper
119 100
91 58.6 0.0 131.6
134 25.4 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 17.855 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion:105 Resp: 735720
Ion Ratio Lower Upper
105 100
120 47.4 0.0 89.6

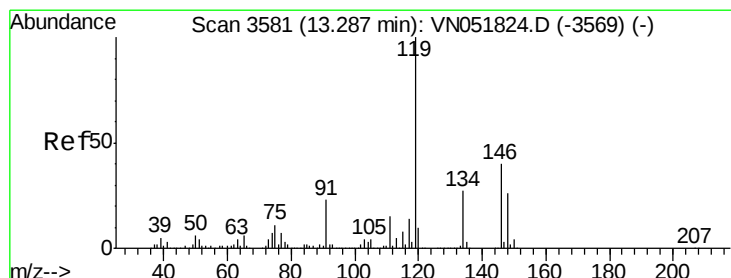
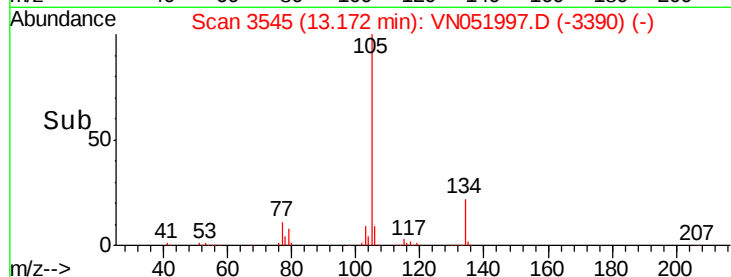
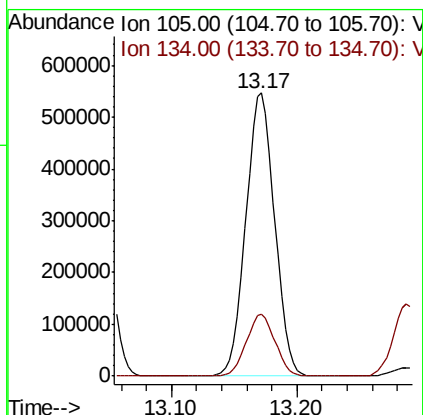
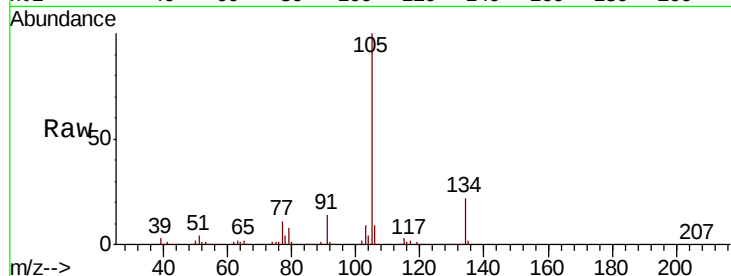




#81
 sec-Butylbenzene
 Concen: 17.588 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

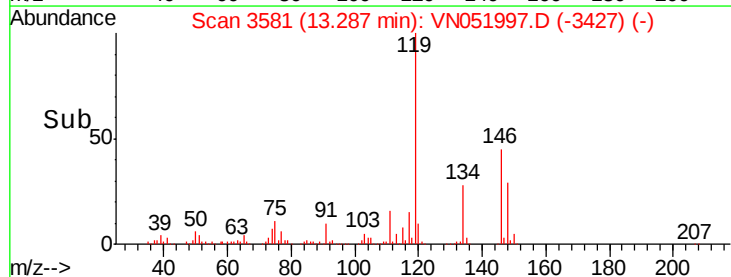
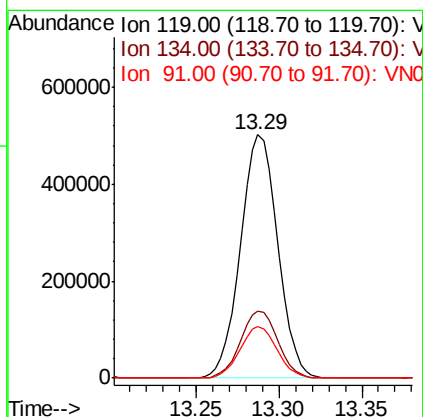
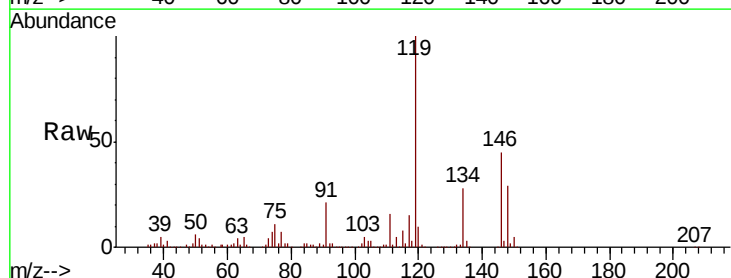
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

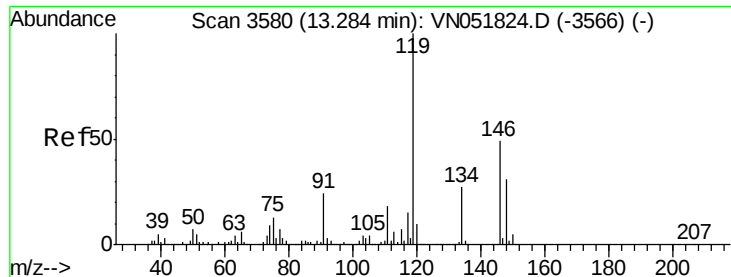
Tot Ion:105 Resp: 872384
 Ion Ratio Lower Upper
 105 100
 134 21.9 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 17.601 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion:119 Resp: 781194
 Ion Ratio Lower Upper
 119 100
 134 27.7 0.0 53.6
 91 21.1 0.0 52.0

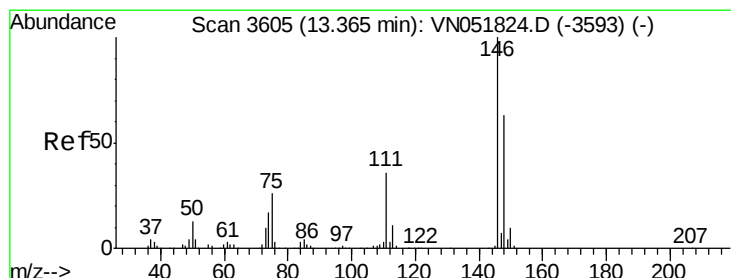
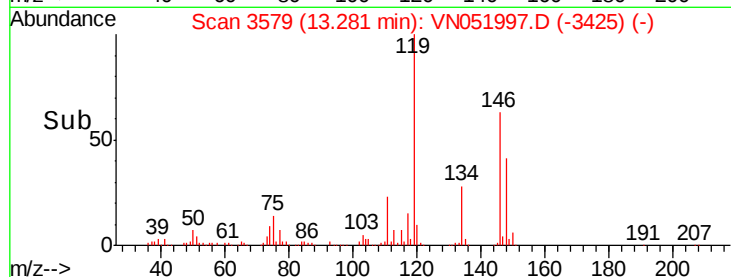
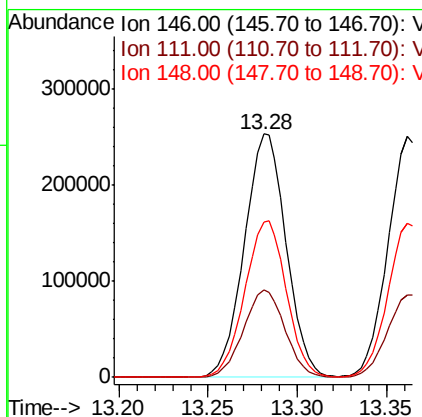
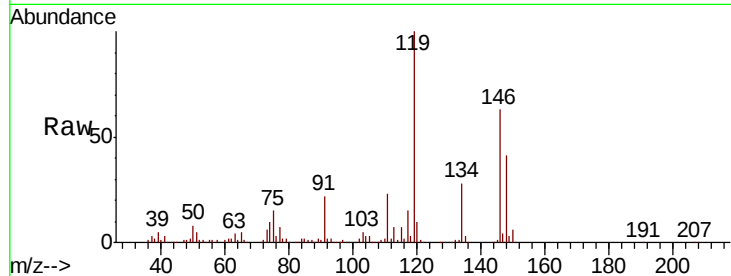




#83
 1,3-Dichlorobenzene
 Concen: 19.036 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

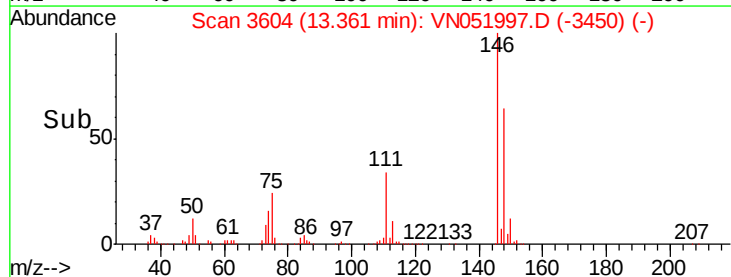
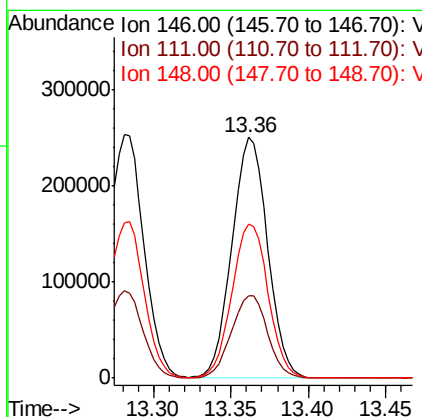
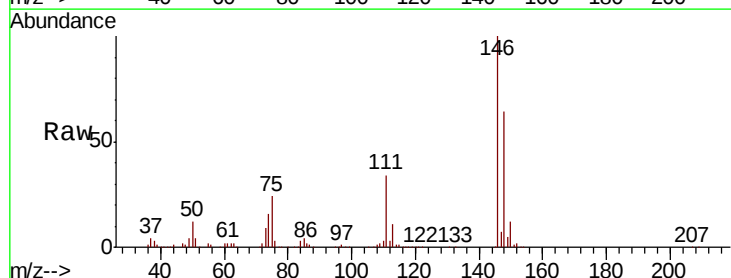
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

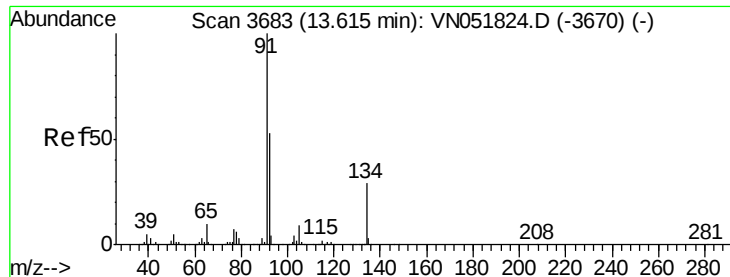
Tot Ion:146 Resp: 414811
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.3
 148 63.7 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 19.523 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion:146 Resp: 400513
 Ion Ratio Lower Upper
 146 100
 111 34.7 17.4 52.2
 148 64.9 32.8 98.3

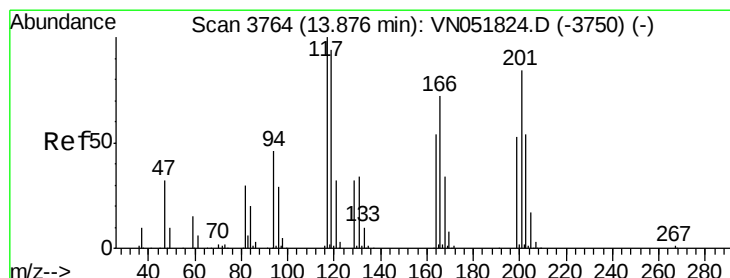
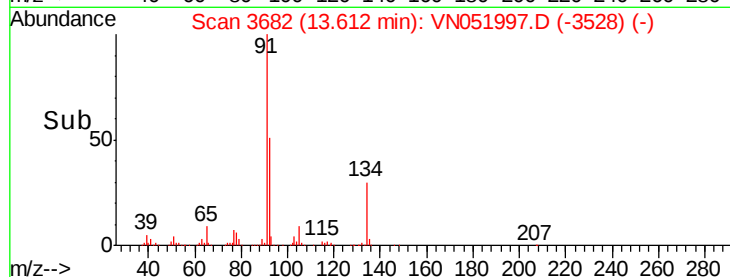
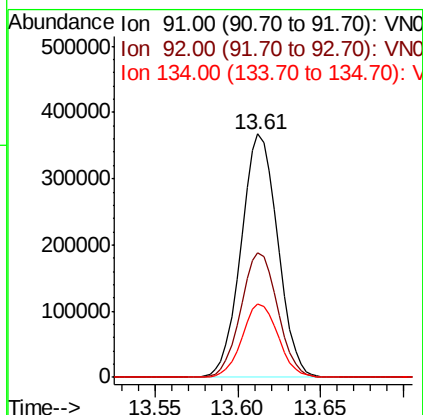
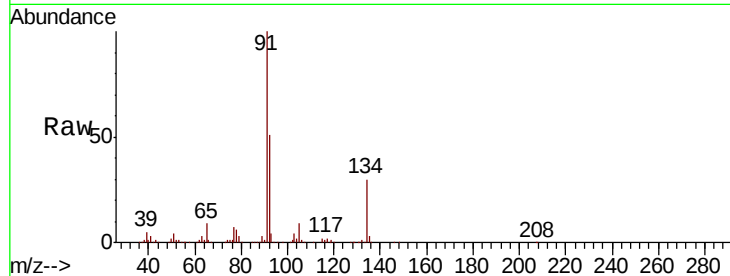




#85
n-Butylbenzene
Concen: 16.856 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

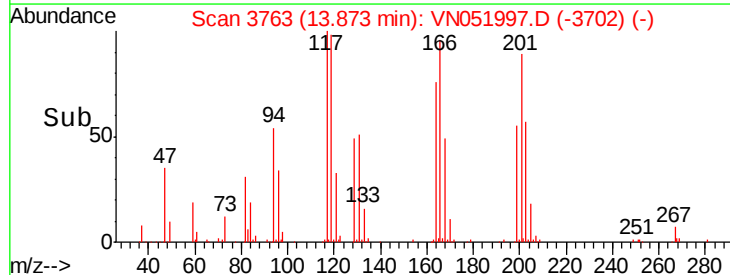
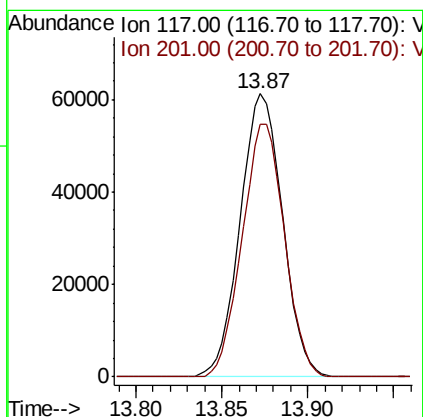
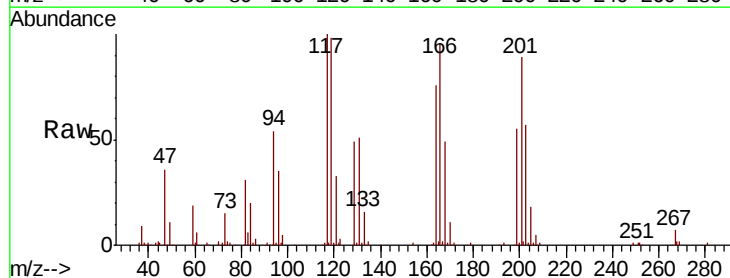
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

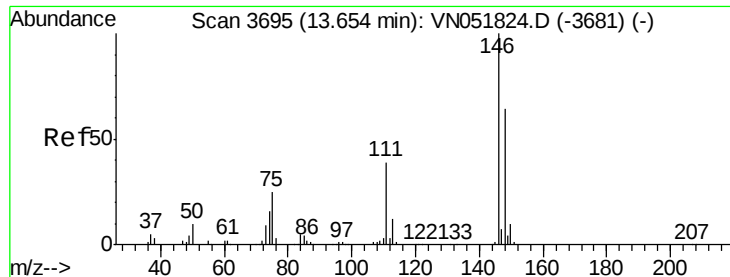
Tot Ion: 91 Resp: 564138
Ion Ratio Lower Upper
91 100
92 51.4 0.0 97.4
134 29.7 0.0 49.6



#86
Hexachloroethane
Concen: 13.705 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion: 117 Resp: 104884
Ion Ratio Lower Upper
117 100
201 88.6 47.8 143.3





#87

1,2-Dichlorobenzene

Concen: 18.309 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

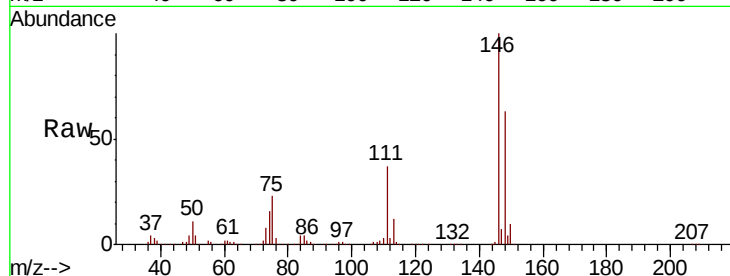
Tot Ion:146 Resp: 386265

Ion Ratio Lower Upper

146 100

111 37.1 20.8 62.2

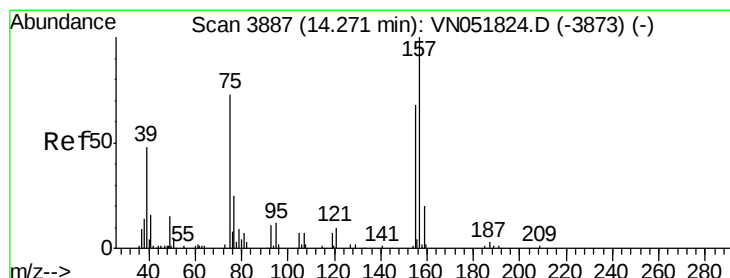
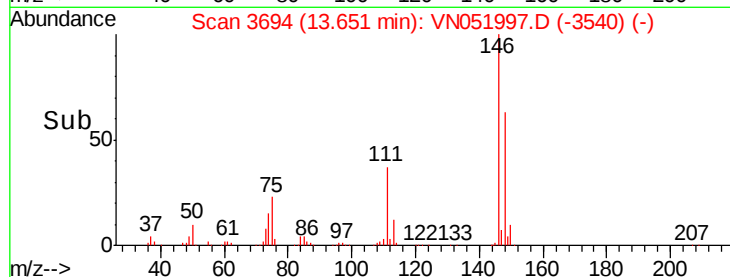
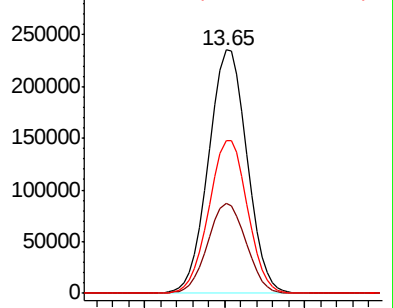
148 63.2 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 9.750 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051997.D

Acq: 24 Oct 2018 19:20

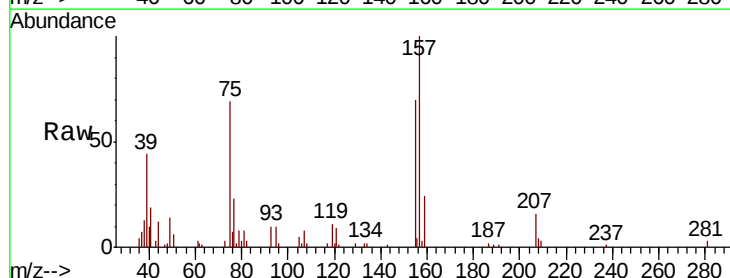
Tgt Ion: 75 Resp: 14337

Ion Ratio Lower Upper

75 100

155 112.5 57.0 85.6#

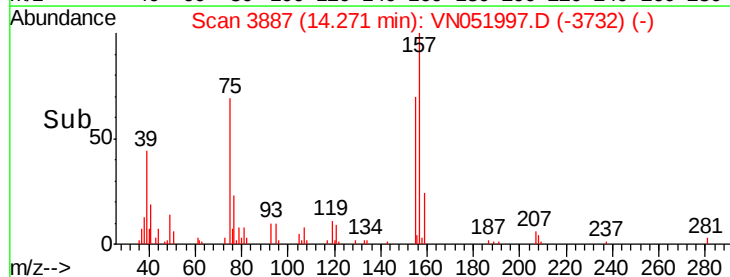
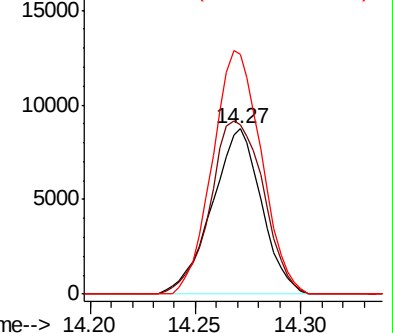
157 144.7 87.4 131.0#

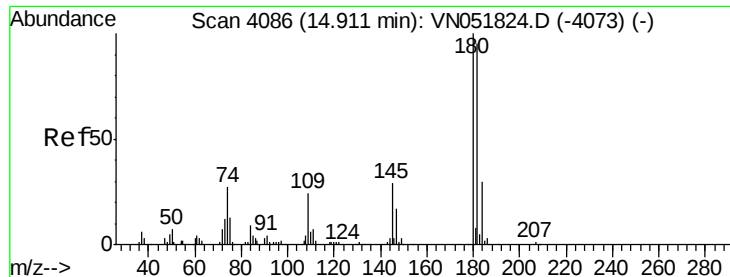


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

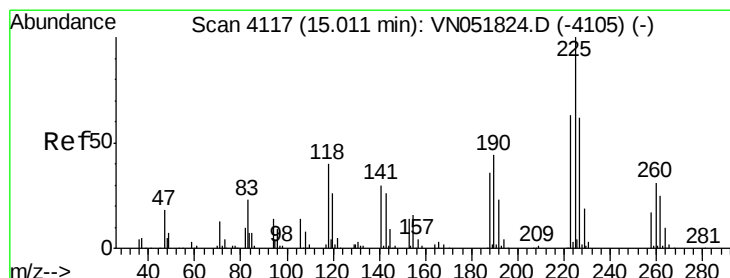
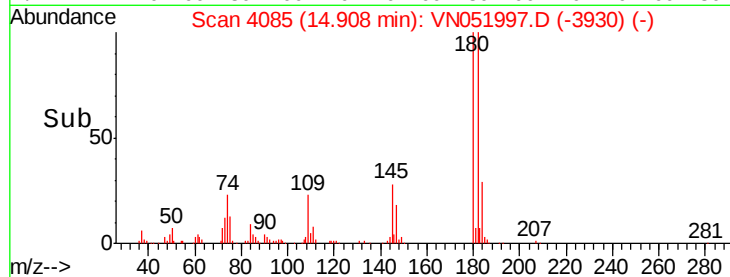
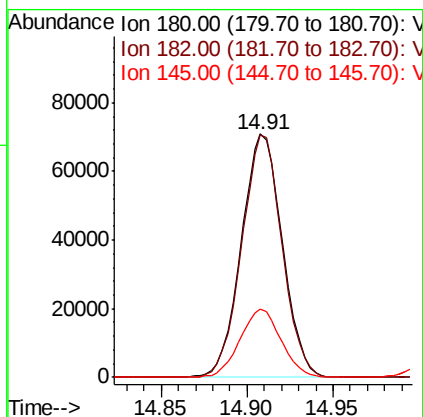
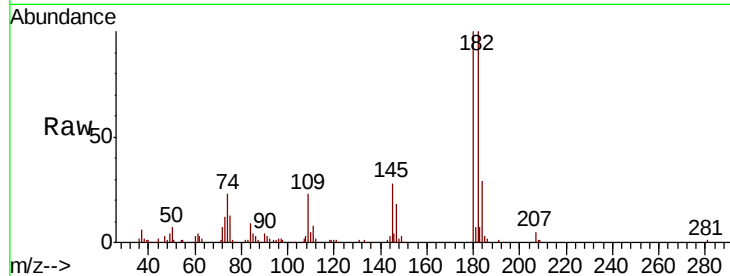




#89
 1,2,4-Trichlorobenzene
 Concen: 16.151 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

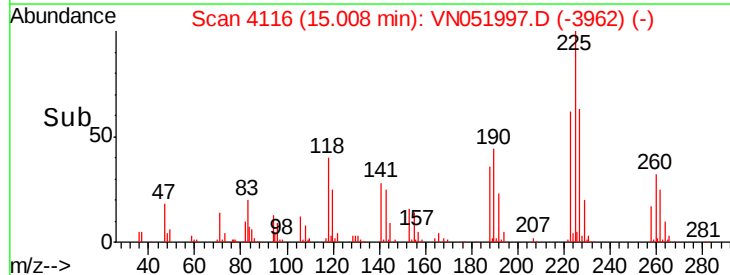
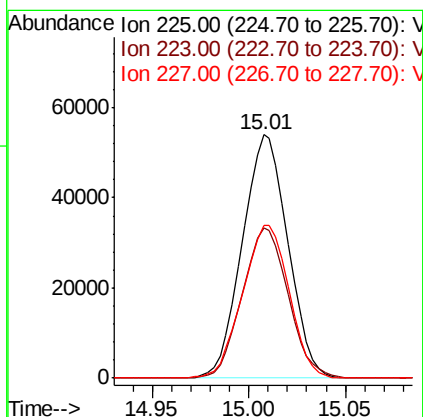
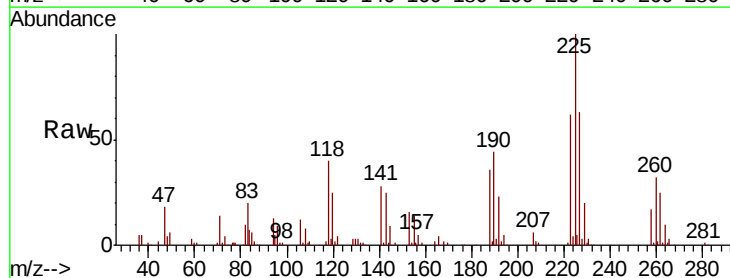
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

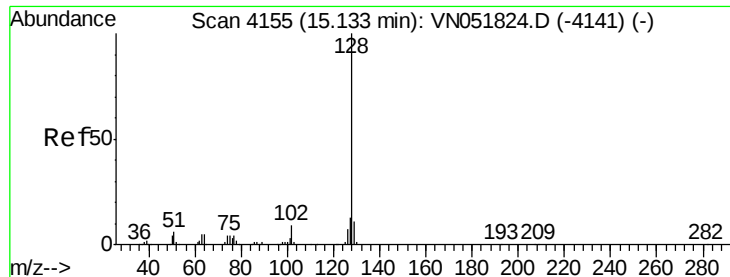
Tot Ion:180 Resp: 117290
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.7 116.5
 145 28.1 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 13.034 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051997.D
 Acq: 24 Oct 2018 19:20

Tgt Ion:225 Resp: 88615
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 117.0
 227 63.8 0.0 127.0

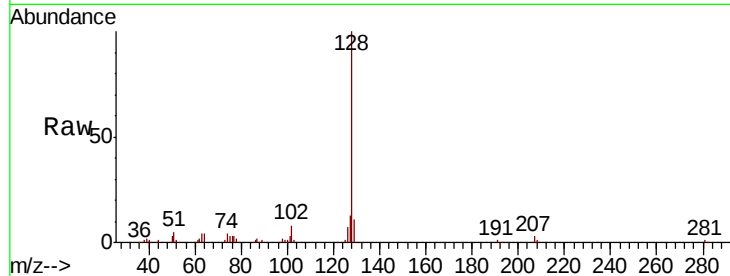




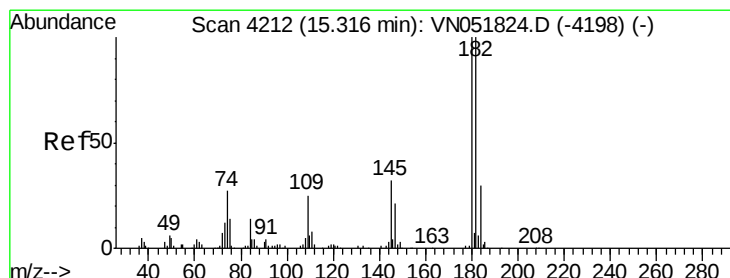
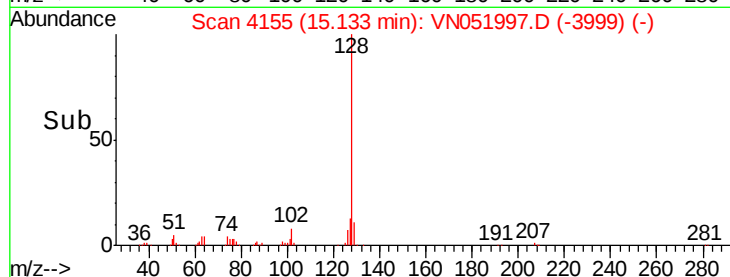
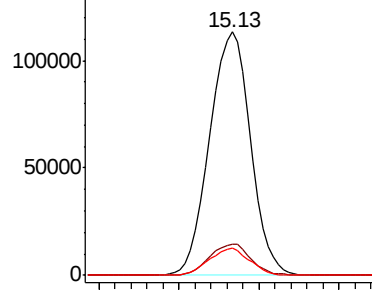
#91
Naphthalene
Concen: 15.382 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 197611
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.0 8.4 12.6

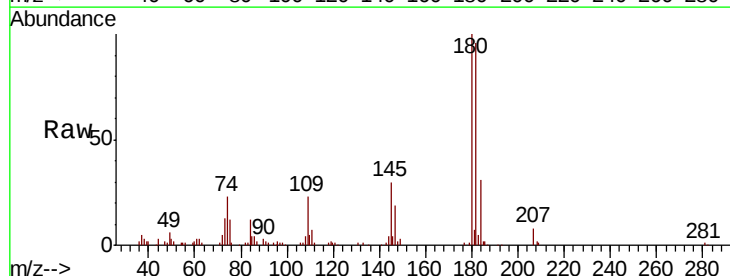


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 9.182 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051997.D
Acq: 24 Oct 2018 19:20

Tgt Ion:180 Resp: 88133
Ion Ratio Lower Upper
180 100
182 96.3 0.0 198.0
145 29.9 0.0 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

