

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051624.D
 Acq On : 28 Sep 2018 19:12
 Operator : MD\SY
 Sample : VSTDCCC050EC
 Misc : Sample
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 29 01:59:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70284	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	384236	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	335303	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	151662	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.40	95	147797	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	458930	29.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152612	24.742	ug/l 98
3) Chloromethane	2.06	50	169696	24.585	ug/l 98
4) Vinyl Chloride	2.18	62	165169	24.393	ug/l 97
5) Bromomethane	2.57	94	94901	26.982	ug/l 96
6) Chloroethane	2.70	64	87274	25.692	ug/l 94
7) Trichlorofluoromethane	3.01	101	220021	26.595	ug/l 100
8) Diethyl Ether	3.41	74	45391	17.468	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	89140	19.062	ug/l 95
10) 1,1-Dichloroethene	3.74	96	79667	18.772	ug/l 95
11) Methyl Iodide	3.96	142	107901	19.752	ug/l 98
12) Methyl Acetate	4.33	43	56487	15.082	ug/l 92
13) Acrolein	3.61	56	29153	70.453	ug/l 93
14) Acrylonitrile	5.00	53	117982	78.656	ug/l 97
15) Acetone	3.82	58	28090	71.424	ug/l 98
16) Carbon Disulfide	4.06	76	227060	16.603	ug/l 99
17) Allyl chloride	4.33	41	113843	14.996	ug/l 88
18) Methylene Chloride	4.56	84	89561	18.356	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	81640	18.122	ug/l 97
20) Diisopropyl ether	5.96	45	238018	15.804	ug/l # 96
21) 1,1-Dichloroethane	5.85	63	155351	17.405	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	91344	18.566	ug/l 95
23) tert-Butyl Alcohol	4.79	59	25652	89.405	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	212684	19.069	ug/l 99
25) Chloroform	7.37	83	165589	19.402	ug/l 94
26) Cyclohexane	7.66	56	125046	16.189	ug/l # 87
29) 1,1-Dichloropropene	7.80	75	118237	18.046	ug/l 99
30) 2-Butanone	6.84	43	131682	73.845	ug/l 95
31) 2,2-Dichloropropane	6.83	77	133563	18.888	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	153779	20.889	ug/l 98
33) Carbon Tetrachloride	7.78	117	139202	21.038	ug/l 99
34) Benzene	8.04	78	349092	17.959	ug/l 98
35) Methacrylonitrile	7.17	41	20949	10.449	ug/l 86
36) 1,2-Dichloroethane	8.13	62	122604	19.787	ug/l 99
37) Trichloroethene	8.84	130	101961	20.430	ug/l 92
38) Methylcyclohexane	9.08	83	131017	17.329	ug/l 95
39) 1,2-Dichloropropane	9.12	63	90516	16.994	ug/l 98
40) Dibromomethane	9.21	93	54769	18.510	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	126333	19.560	ug/l	98
42) Vinyl Acetate	5.90	43	772760	77.841	ug/l	96
43) Ethyl Acetate	6.94	43	59675	15.810	ug/l	98
44) Isopropyl Acetate	8.17	43	114141	15.444	ug/l	99
45) 1,4-Dioxane	9.20	88	15497	387.626	ug/l	93
46) Methyl methacrylate	9.20	41	55164	16.045	ug/l	87
47) n-amyl Acetate	12.07	43	84395	15.262	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	114024	17.689	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	134737	17.878	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	77441	18.520	ug/l	98
51) Ethyl methacrylate	10.43	69	86761	17.102	ug/l	99
52) 1,3-Dichloropropane	10.71	76	129248	18.028	ug/l	98
53) Dibromochloromethane	10.90	129	96595	20.283	ug/l	99
54) 1,2-Dibromoethane	11.01	107	75817	18.897	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	207372	82.698	ug/l	96
56) Bromoform	12.13	173	66029	20.895	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	307500	80.774	ug/l	97
59) 2-Hexanone	10.75	43	192838	76.998	ug/l	96
61) Tetrachloroethene	10.63	164	97425	20.523	ug/l	94
62) Toluene	10.16	91	383574	18.656	ug/l	100
64) Chlorobenzene	11.43	112	240870	19.377	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	100764	21.228	ug/l	96
66) Ethyl Benzene	11.51	91	392798	18.667	ug/l	99
67) m/p-Xylenes	11.62	106	317535	39.155	ug/l	99
68) o-Xylene	11.95	106	150698	19.466	ug/l	97
69) Styrene	11.96	104	233300	19.200	ug/l	99
70) Isopropylbenzene	12.25	105	406224	19.672	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	90328	18.080	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	111004	25.987	ug/l	49
73) Bromobenzene	12.53	156	103655	20.170	ug/l	89
74) n-propylbenzene	12.59	91	441004	18.345	ug/l	97
75) 2-Chlorotoluene	12.68	91	273899	19.080	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	343723	19.920	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21821	16.130	ug/l	96
78) 4-Chlorotoluene	12.77	91	263181	18.560	ug/l	98
79) tert-butylbenzene	12.99	119	311207	20.818	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	344544	19.991	ug/l	100
81) sec-Butylbenzene	13.17	105	399264	19.335	ug/l	98
82) p-Isopropyltoluene	13.29	119	347816	19.707	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	180222	20.126	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	164736	19.571	ug/l	99
85) n-Butylbenzene	13.62	91	253277	17.483	ug/l	98
86) Hexachloroethane	13.88	117	67872	19.227	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	179596	20.502	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16372	22.484	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	100185	24.435	ug/l	100
90) Hexachlorobutadiene	15.01	225	92708	27.736	ug/l	99
91) Naphthalene	15.13	128	168834	22.287	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	101255	24.555	ug/l	99

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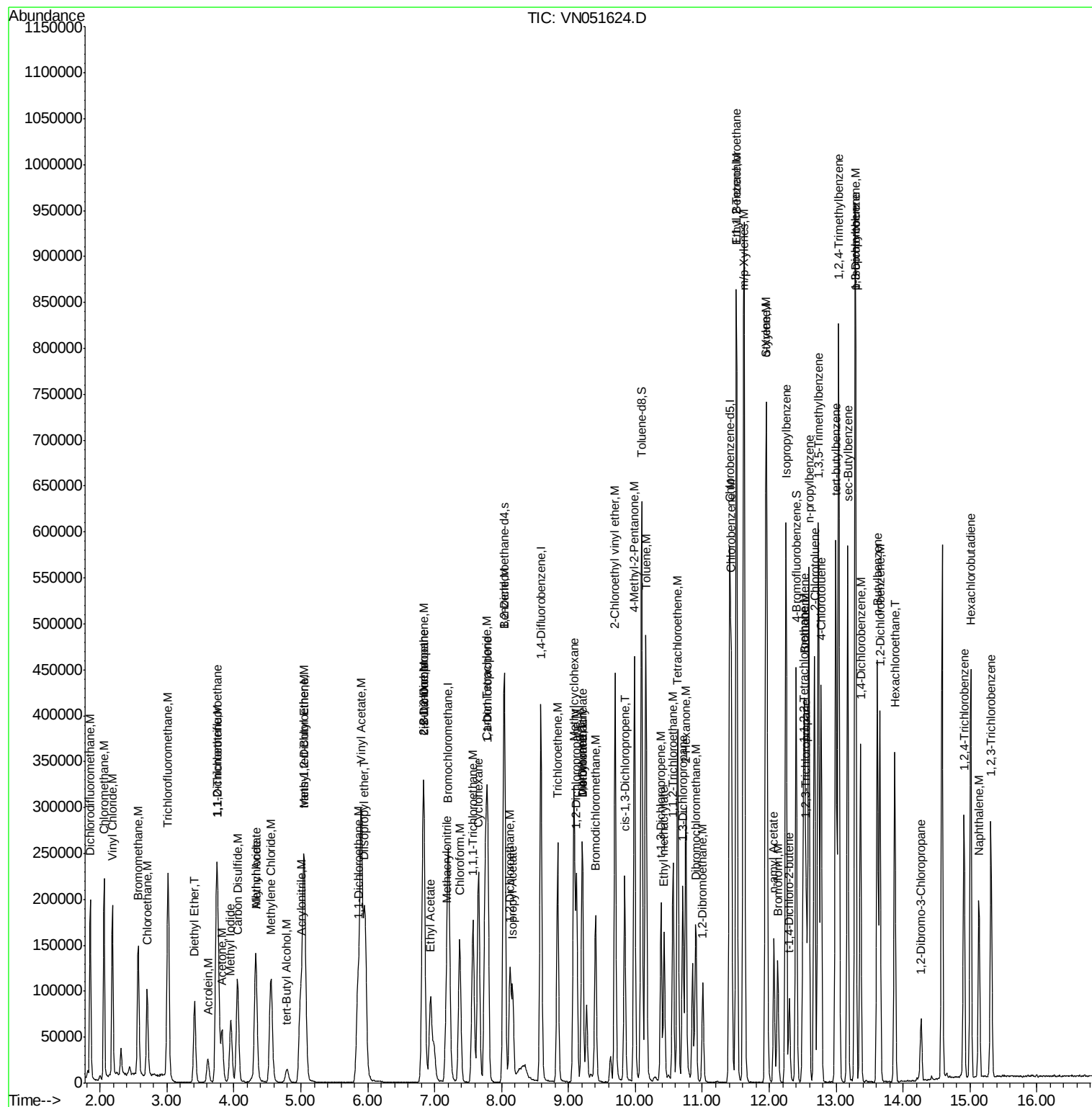
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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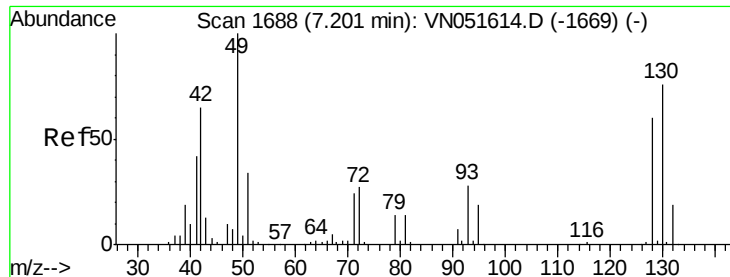
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 29 01:59:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :
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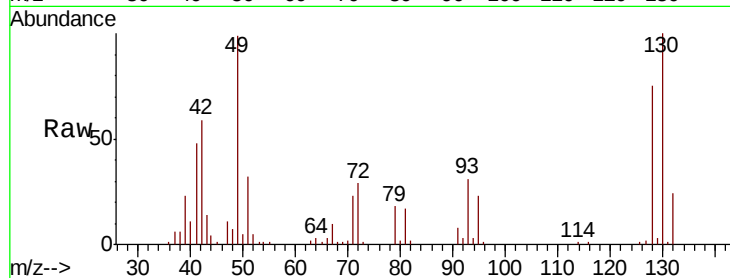
Tot Ion:128 Resp: 70284

Ion Ratio Lower Upper

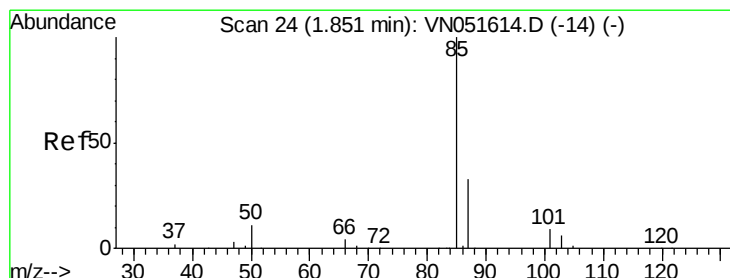
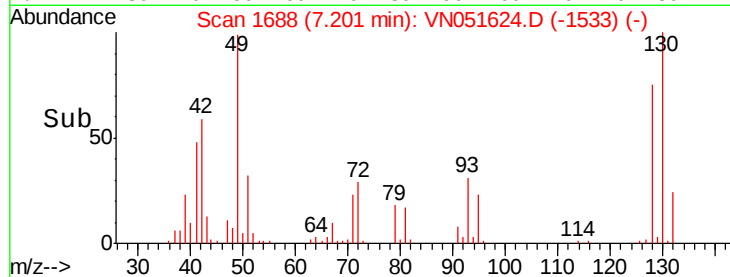
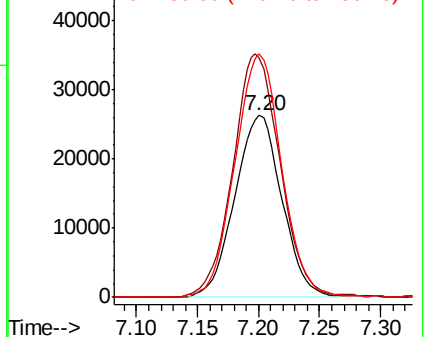
128 100

49 134.5 0.0 426.8

130 133.2 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.742 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051624.D

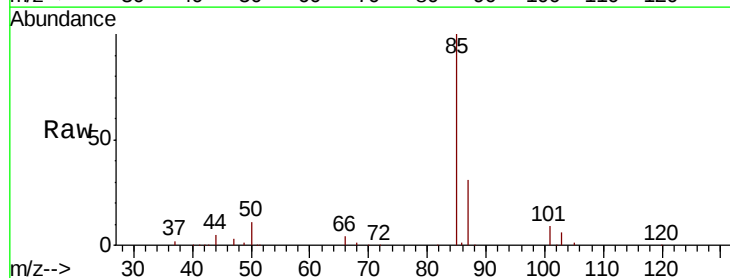
Acq: 28 Sep 2018 19:12

Tgt Ion: 85 Resp: 152612

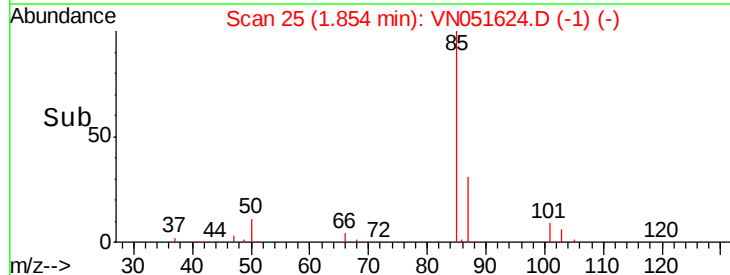
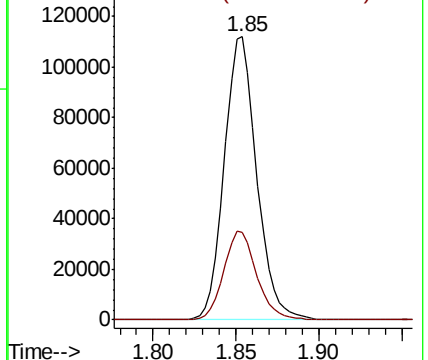
Ion Ratio Lower Upper

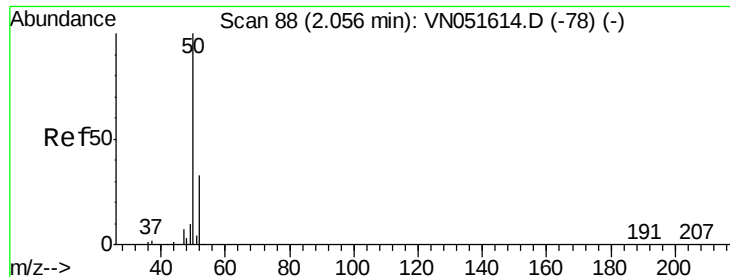
85 100

87 31.1 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 24.585 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

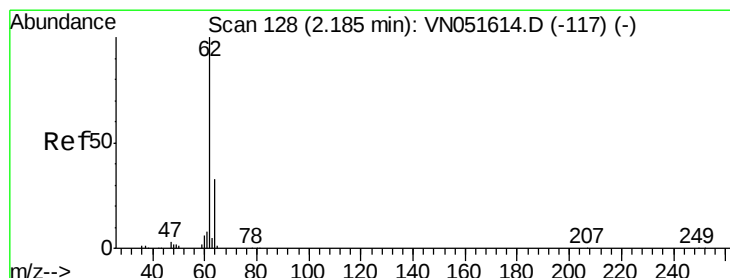
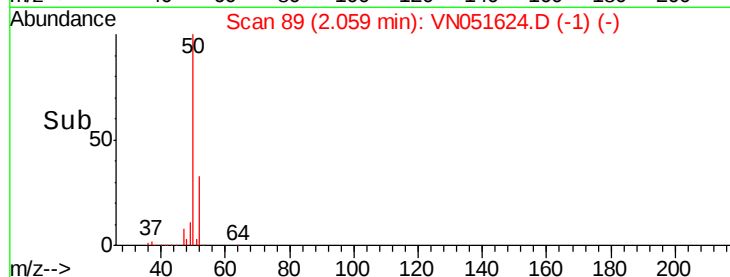
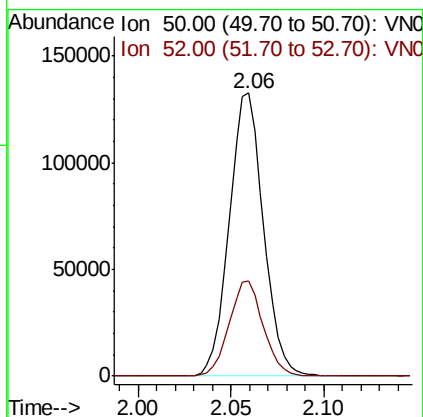
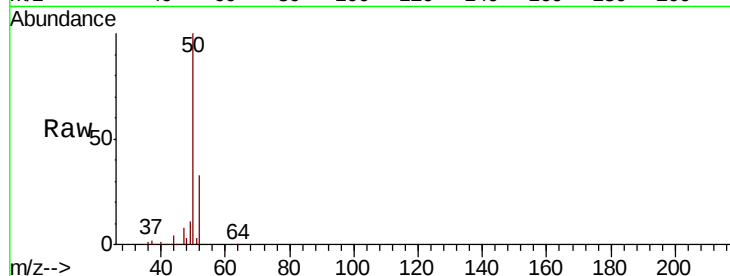
VSTDCCC020EC

Tot Ion: 50 Resp: 169696

Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0



#4

Vinyl Chloride

Concen: 24.393 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051624.D

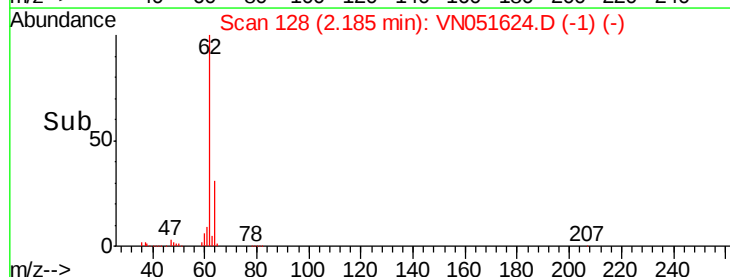
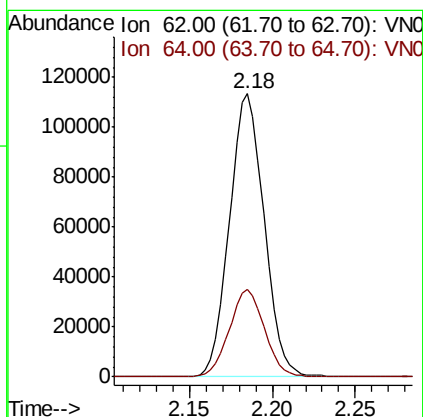
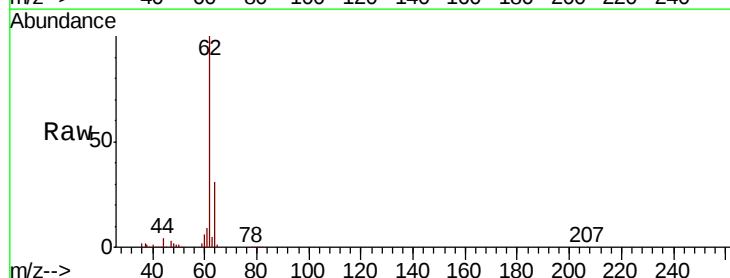
Acq: 28 Sep 2018 19:12

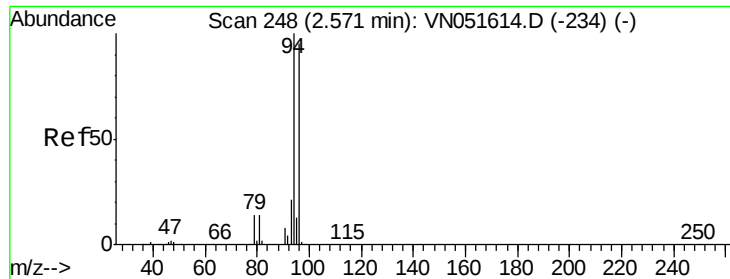
Tgt Ion: 62 Resp: 165169

Ion Ratio Lower Upper

62 100

64 31.0 26.3 39.5





#5

Bromomethane

Concen: 26.982 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

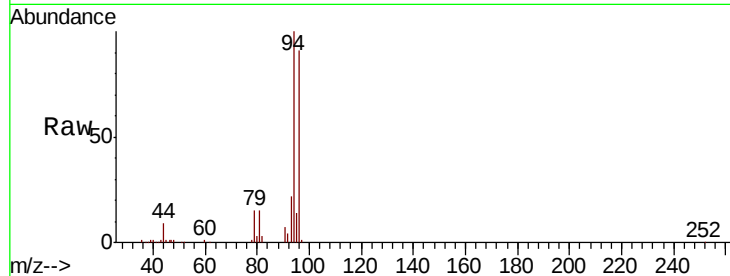
VSTDCCC020EC

Tot Ion: 94 Resp: 94901

Ion Ratio Lower Upper

94 100

96 91.0 75.8 113.6

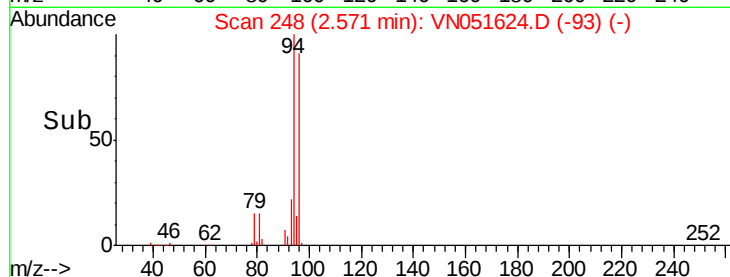


Abundance Ion 94.00 (93.70 to 94.70): VN051614.D (-234) (-)

Ion 96.00 (95.70 to 96.70): VN051614.D (-234) (-)

2.57

Time-->



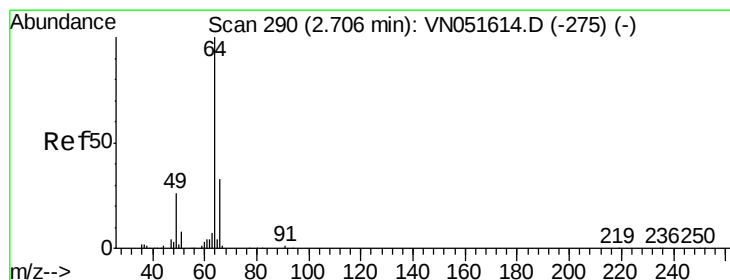
Abundance

Ion 94.00 (93.70 to 94.70): VN051624.D (-93) (-)

Ion 96.00 (95.70 to 96.70): VN051624.D (-93) (-)

2.57

Time-->



#6

Chloroethane

Concen: 25.692 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051624.D

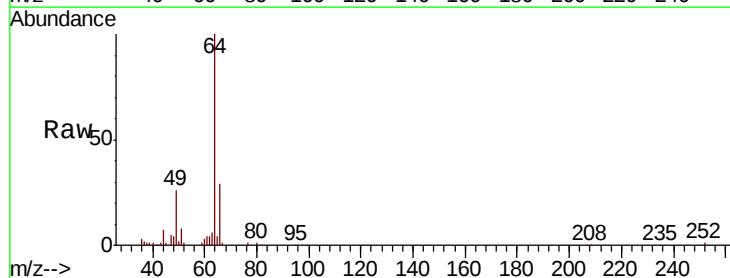
Acq: 28 Sep 2018 19:12

Tgt Ion: 64 Resp: 87274

Ion Ratio Lower Upper

64 100

66 29.0 26.1 39.1

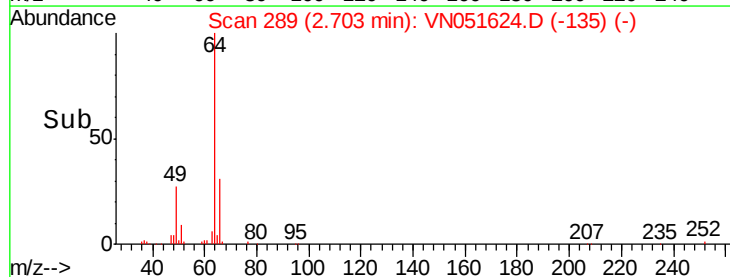


Abundance Ion 64.00 (63.70 to 64.70): VN051614.D (-275) (-)

Ion 66.00 (65.70 to 66.70): VN051614.D (-275) (-)

2.70

Time-->



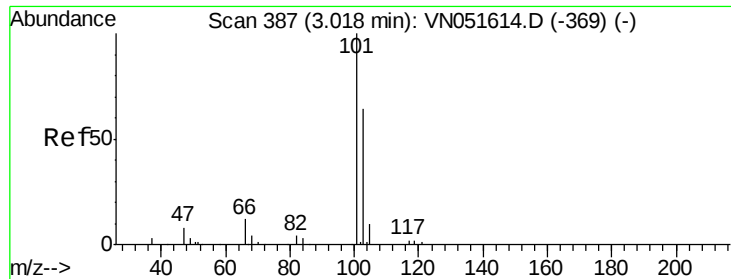
Abundance

Ion 64.00 (63.70 to 64.70): VN051624.D (-135) (-)

Ion 66.00 (65.70 to 66.70): VN051624.D (-135) (-)

2.70

Time-->

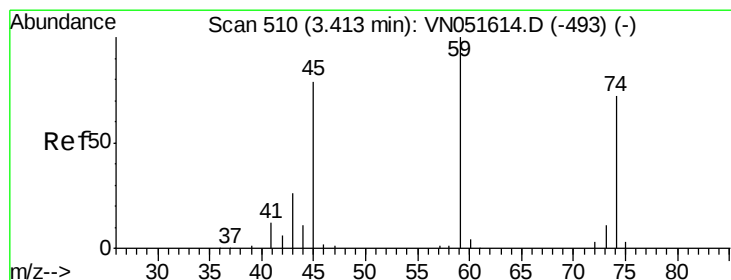
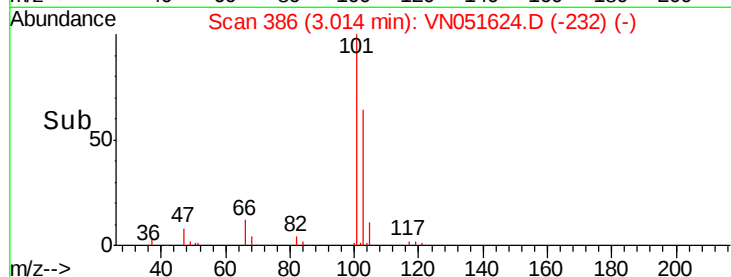
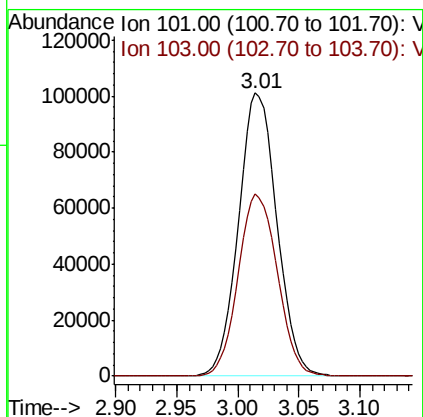
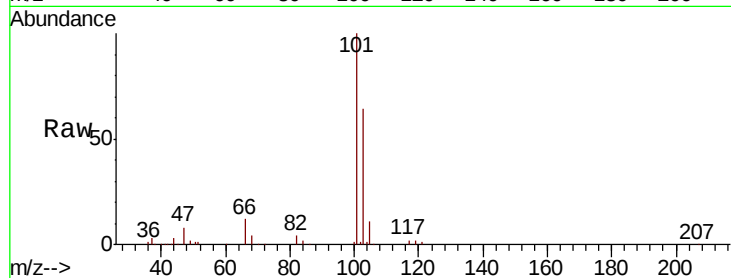


#7

Trichlorofluoromethane
 Concen: 26.595 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

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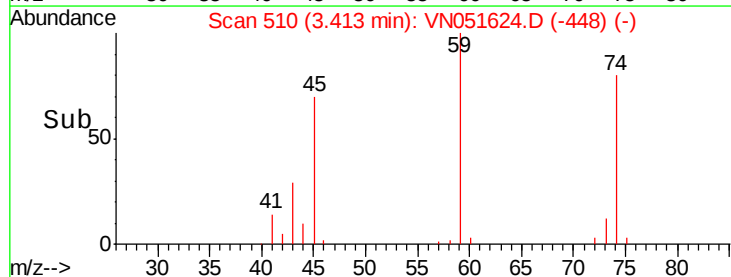
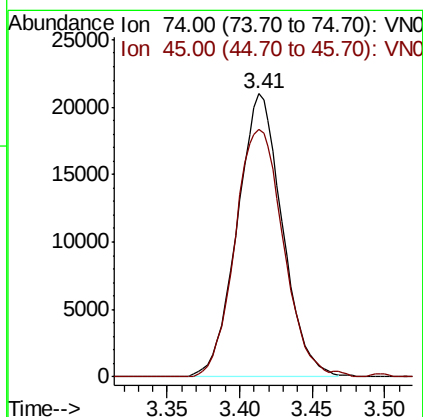
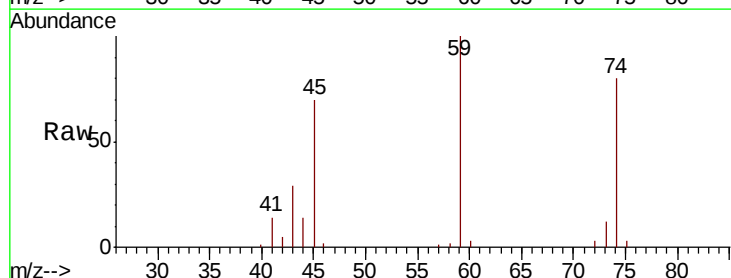
Tot Ion:101 Resp: 220021
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

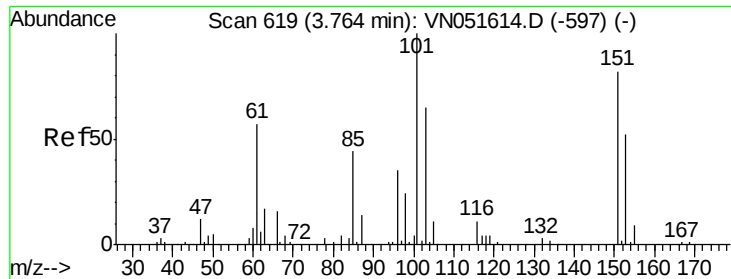


#8

Diethyl Ether
 Concen: 17.468 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 74 Resp: 45391
 Ion Ratio Lower Upper
 74 100
 45 93.4 21.3 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.062 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

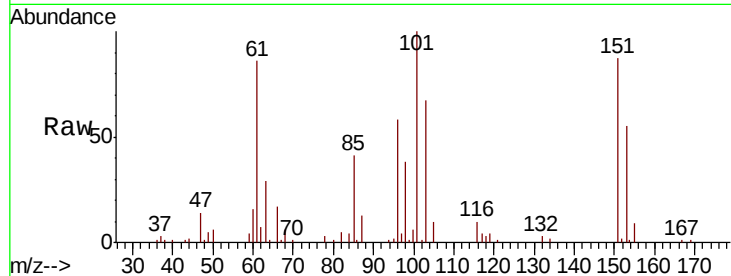
Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

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Tot Ion:101 Resp: 89140

Ion	Ratio	Lower	Upper
101	100		
85	42.7	0.0	89.4
151	89.3	0.0	167.6

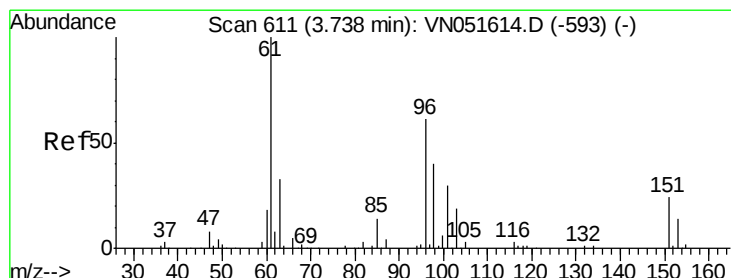
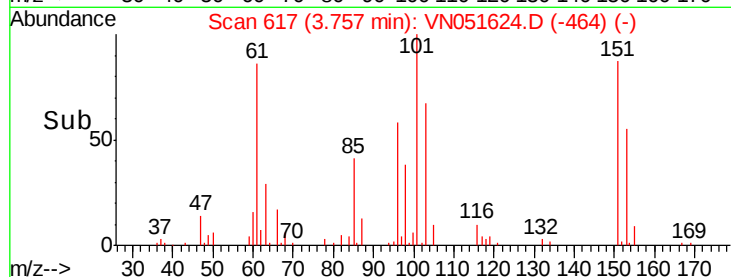
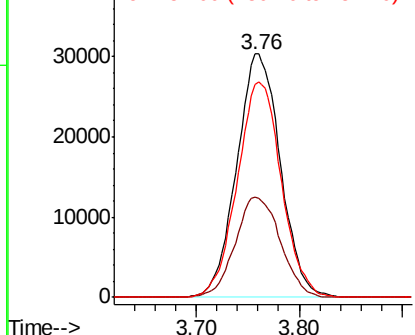


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.772 ug/l

RT: 3.74 min Scan# 611

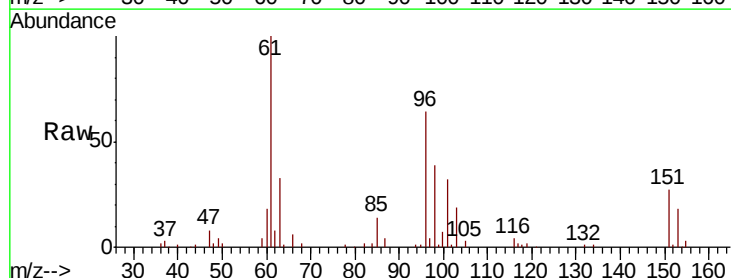
Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion: 96 Resp: 79667

Ion	Ratio	Lower	Upper
96	100		
61	156.5	131.0	196.4
98	61.6	52.7	79.1

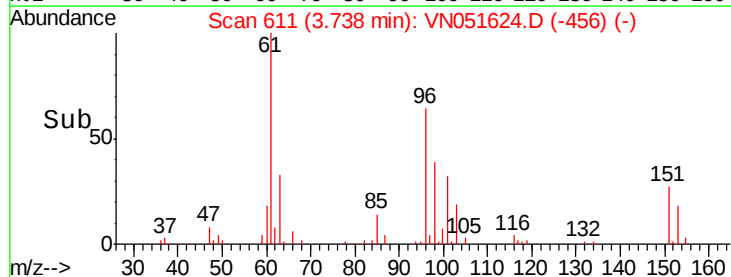
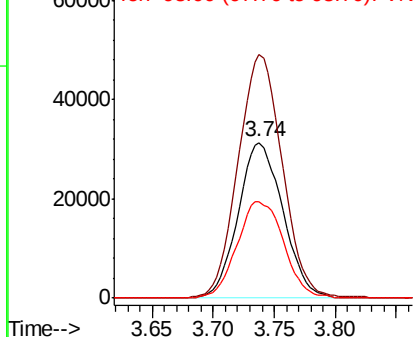


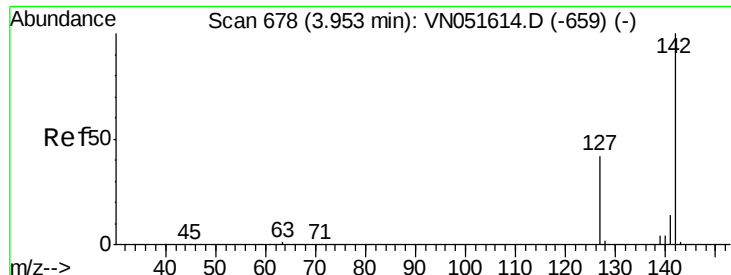
Abundance

Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V

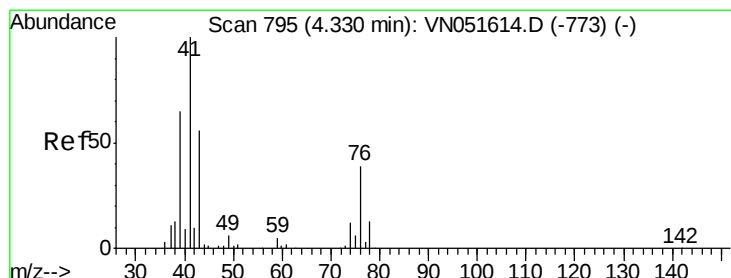
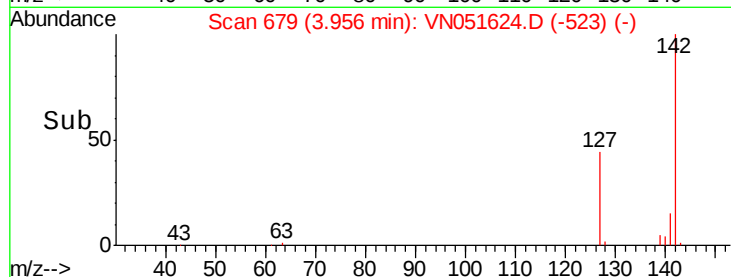
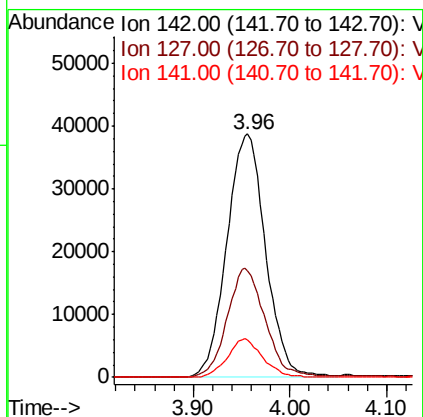
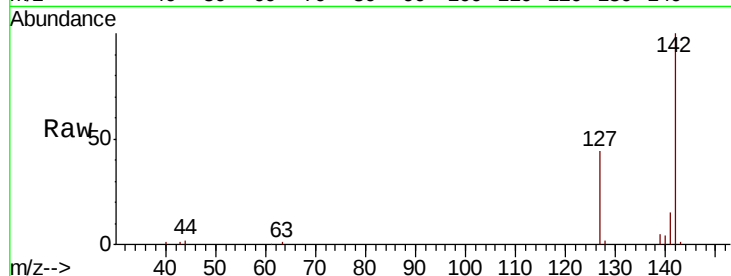




#11
Methyl Iodide
Concen: 19.752 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

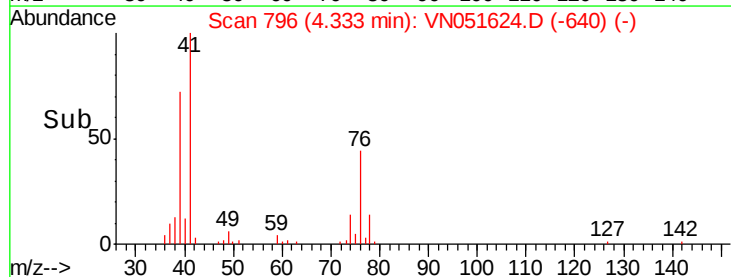
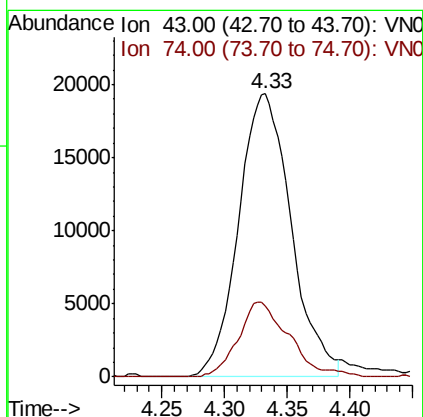
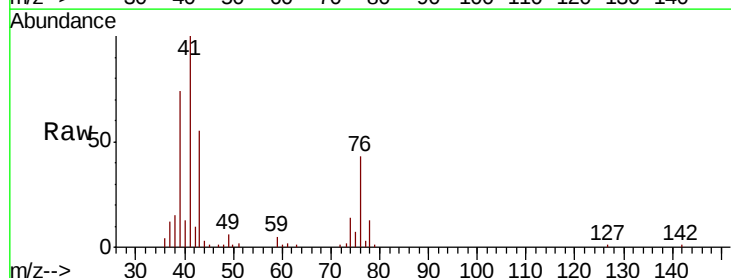
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

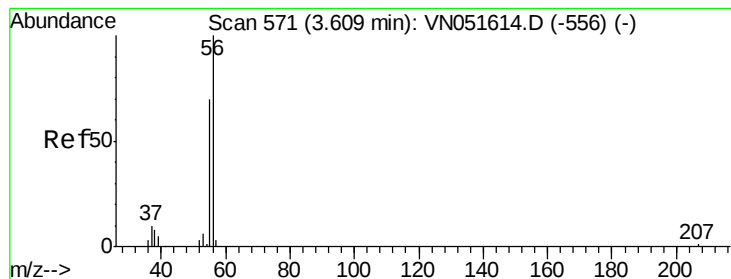
Tot Ion:142 Resp: 107901
Ion Ratio Lower Upper
142 100
127 43.5 21.1 63.1
141 15.2 7.1 21.4



#12
Methyl Acetate
Concen: 15.082 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 56487
Ion Ratio Lower Upper
43 100
74 24.9 17.0 25.4





#13

Acrolein

Concen: 70.453 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

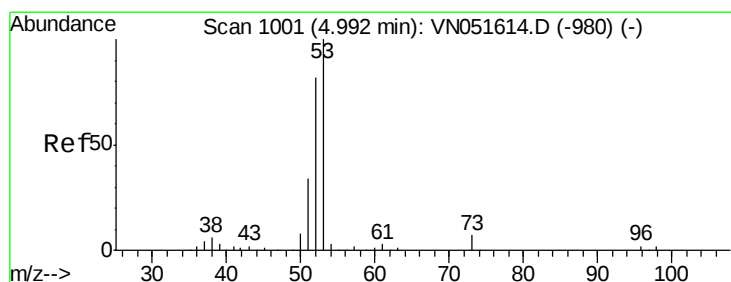
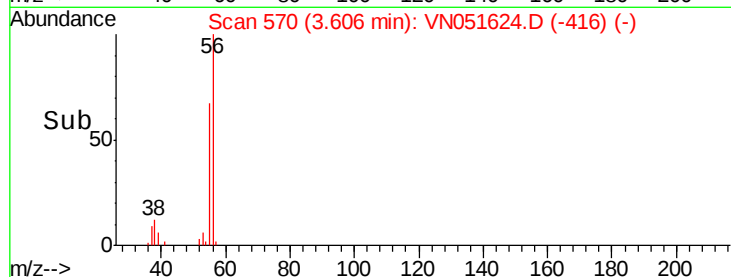
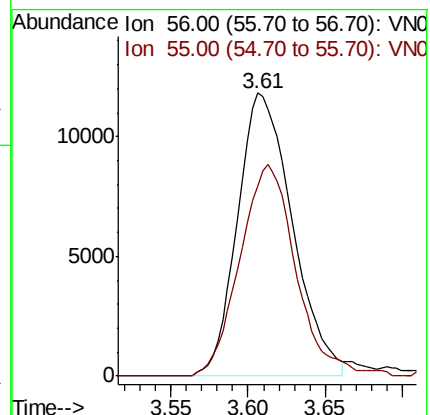
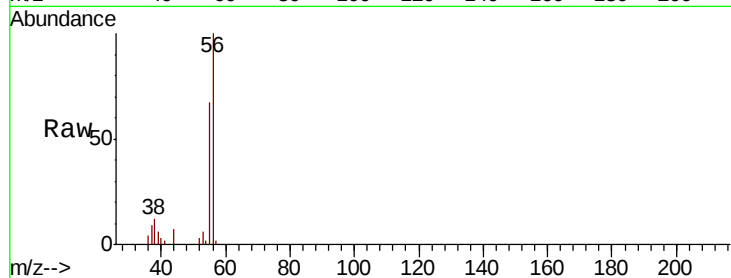
VSTDCCC020EC

Tot Ion: 56 Resp: 29153

Ion Ratio Lower Upper

56 100

55 75.8 55.8 83.8



#14

Acrylonitrile

Concen: 78.656 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

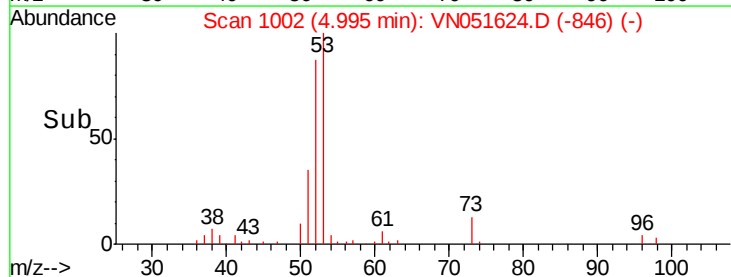
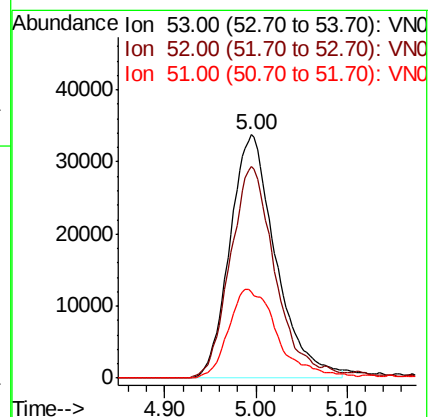
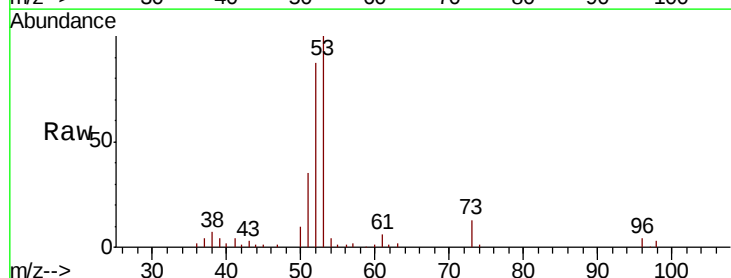
Tgt Ion: 53 Resp: 117982

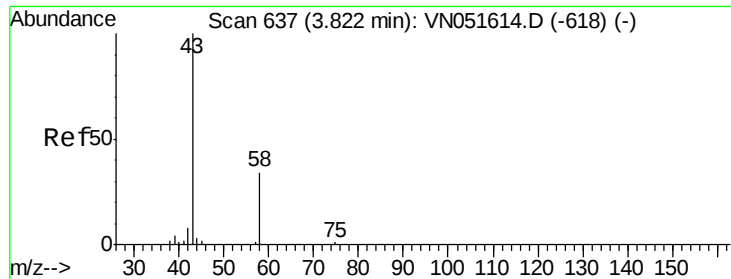
Ion Ratio Lower Upper

53 100

52 84.2 41.3 123.7

51 38.2 17.1 51.2





#15

Acetone

Concen: 71.424 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

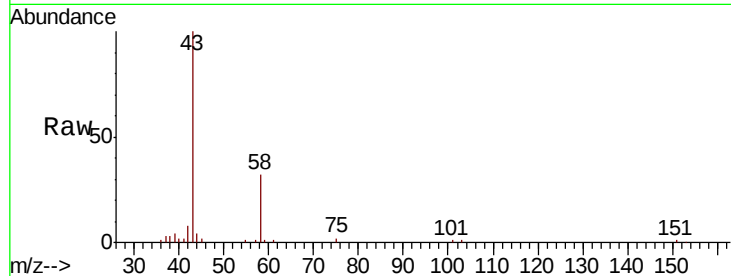
VSTDCCC020EC

Tot Ion: 58 Resp: 28090

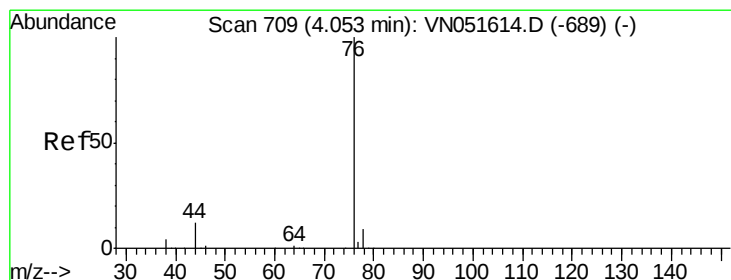
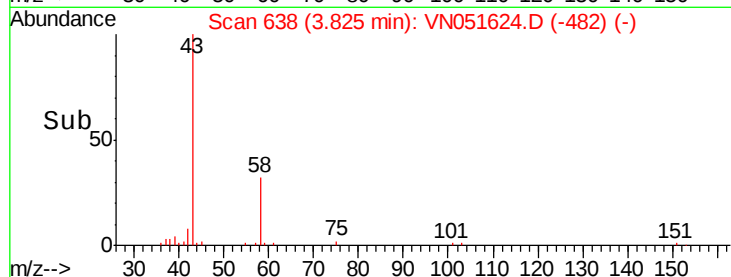
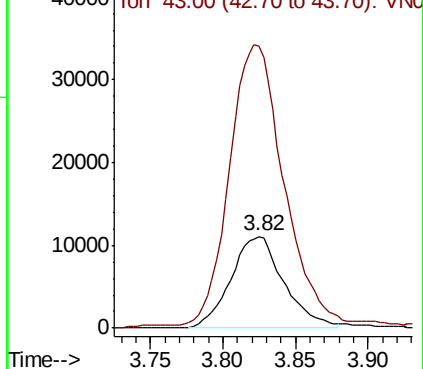
Ion Ratio Lower Upper

58 100

43 302.3 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN051614.D (-618) (-)



#16

Carbon Disulfide

Concen: 16.603 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051624.D

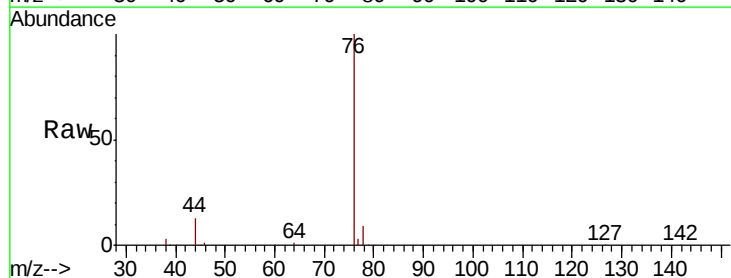
Acq: 28 Sep 2018 19:12

Tgt Ion: 76 Resp: 227060

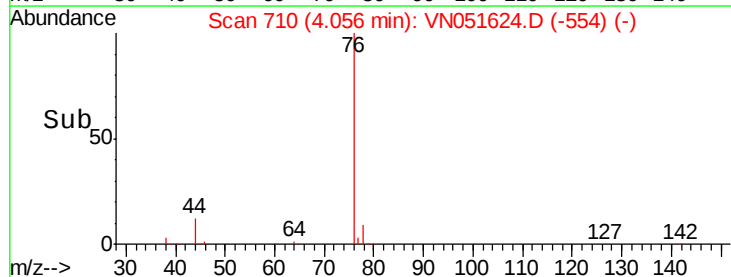
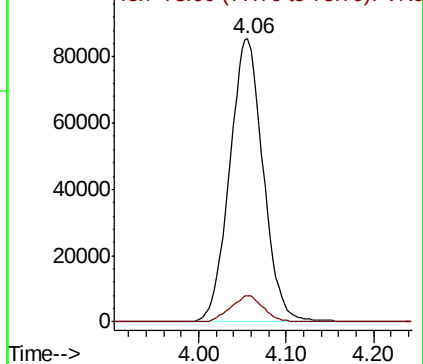
Ion Ratio Lower Upper

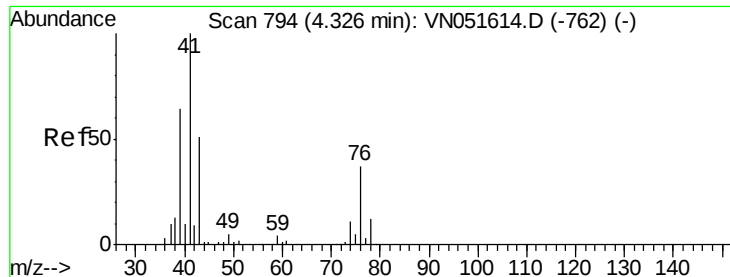
76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051614.D (-689) (-)

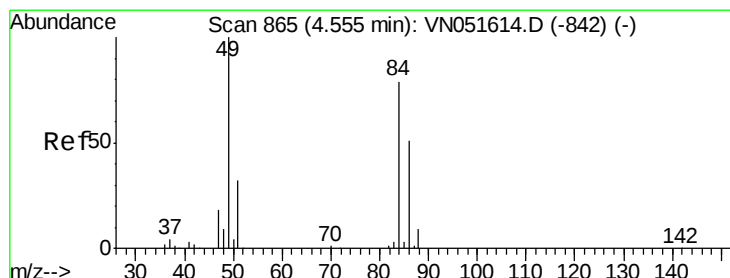
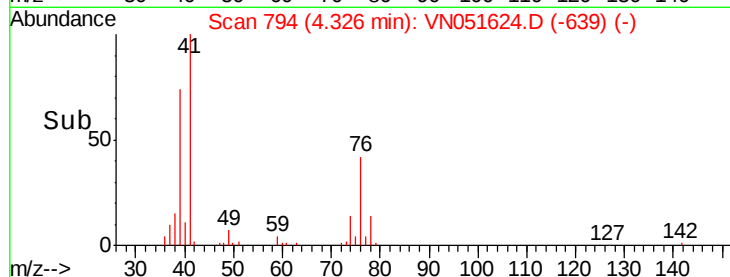
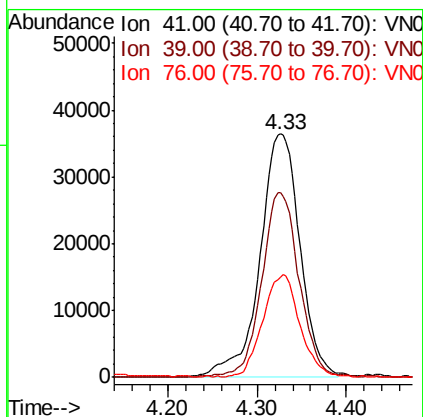
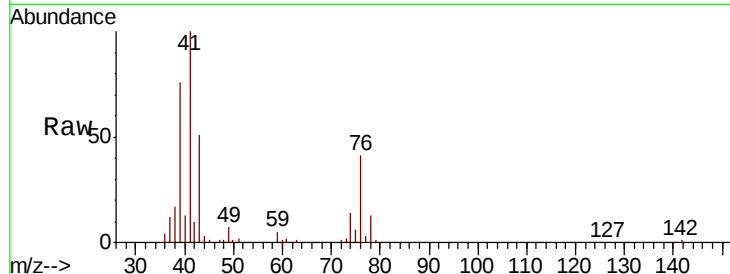




#17
Allvl chloride
Concen: 14.996 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

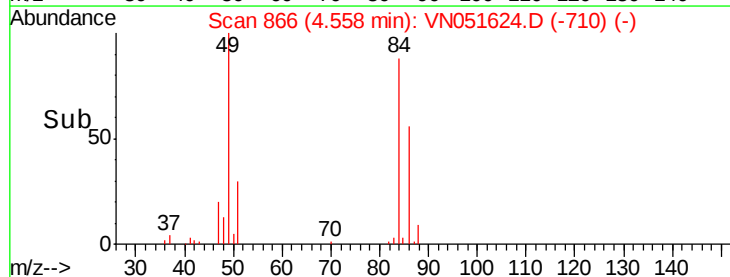
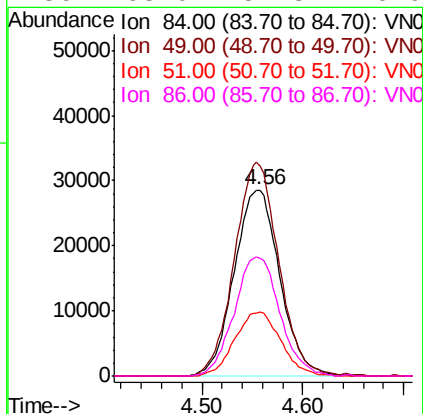
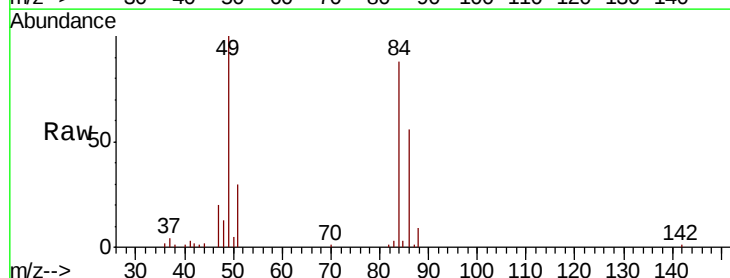
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

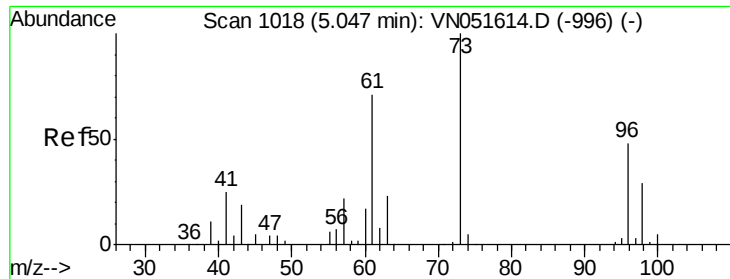
Tot Ion: 41 Resp: 113843
Ion Ratio Lower Upper
41 100
39 75.7 31.9 95.9
76 40.7 18.6 56.0



#18
Methylene Chloride
Concen: 18.356 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 84 Resp: 89561
Ion Ratio Lower Upper
84 100
49 113.0 100.9 151.3
51 34.2 32.5 48.7
86 63.0 51.3 76.9

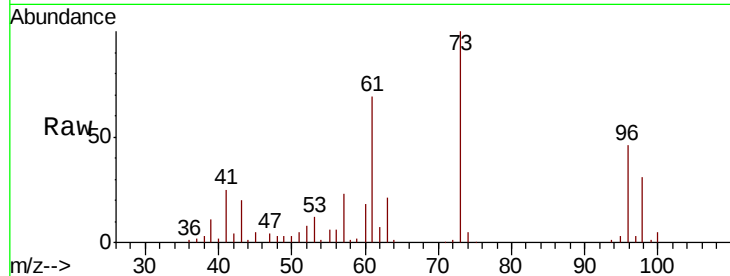




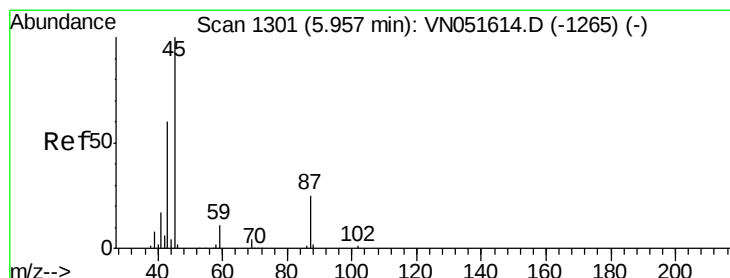
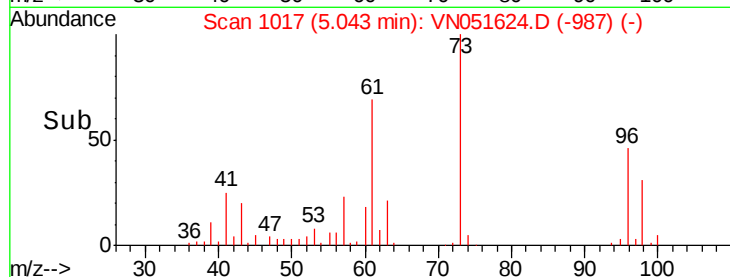
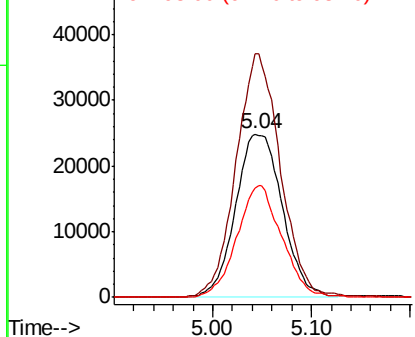
#19
trans-1,2-Dichloroethene
Concen: 18.122 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 81640
Ion Ratio Lower Upper
96 100
61 148.4 118.0 177.0
98 67.2 49.0 73.4

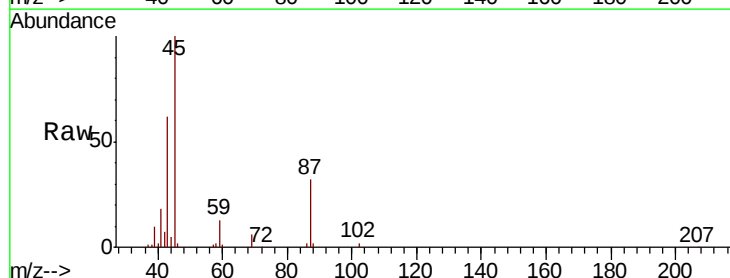


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

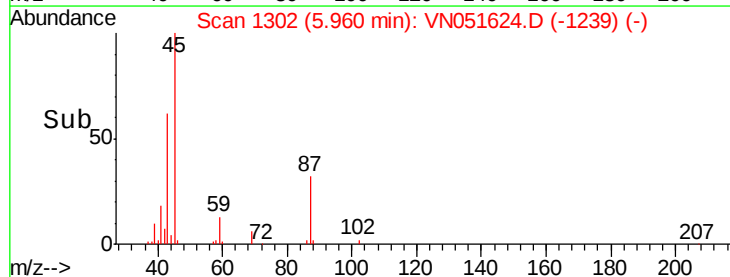
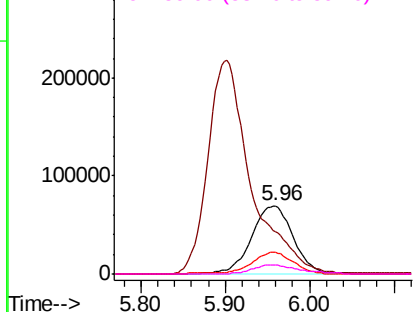


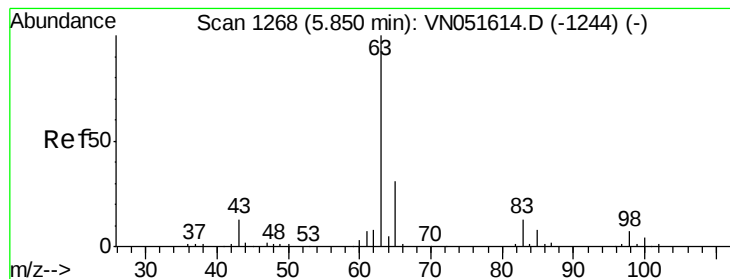
#20
Diisopropyl ether
Concen: 15.804 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 45 Resp: 238018
Ion Ratio Lower Upper
45 100
43 59.5 48.3 72.5
87 31.9 20.8 31.2#
59 12.4 8.8 13.2



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: 17.405 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

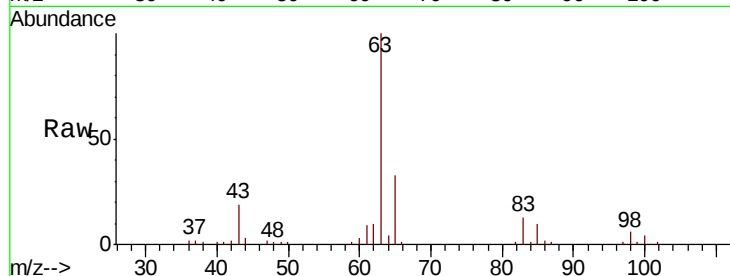
Tot Ion: 63 Resp: 155351

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

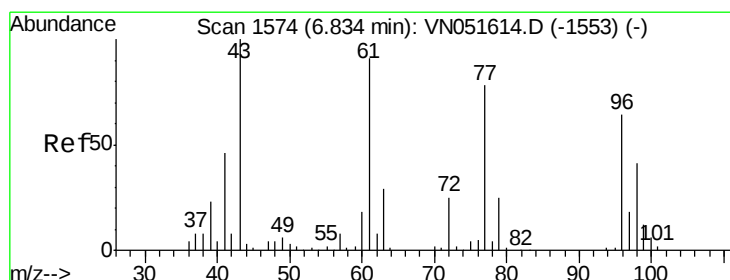
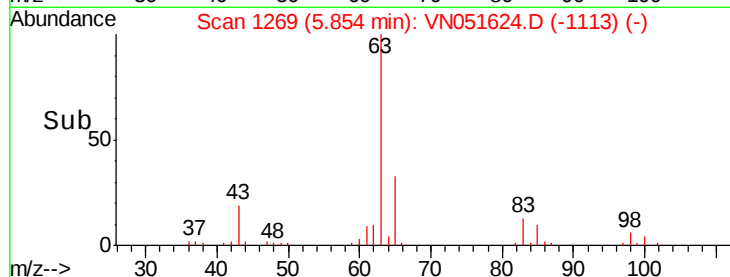
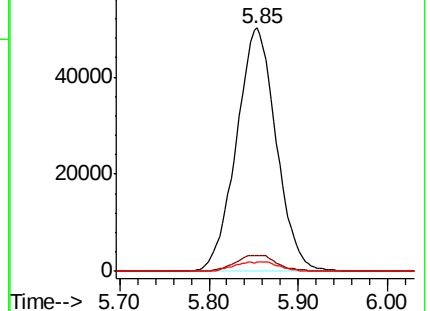
100 3.8 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.566 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

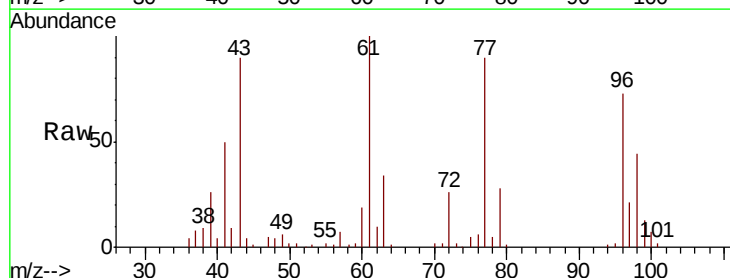
Tgt Ion: 96 Resp: 91344

Ion Ratio Lower Upper

96 100

61 142.1 120.4 180.6

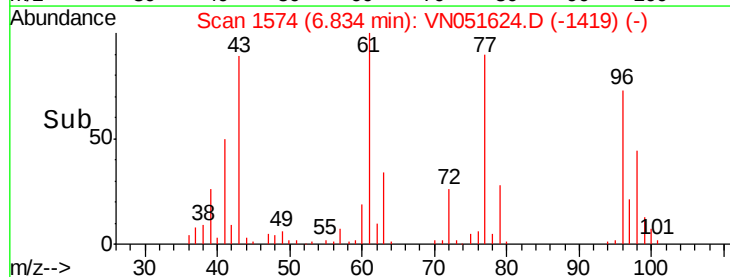
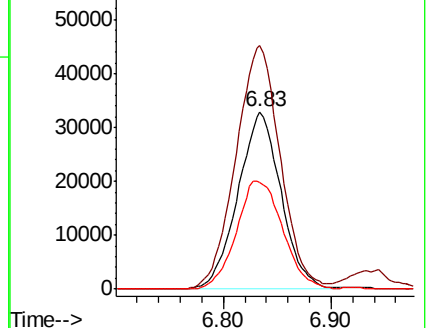
98 65.7 51.4 77.0

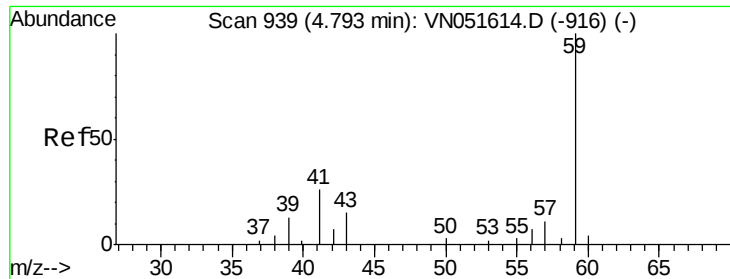


Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1553) (-)



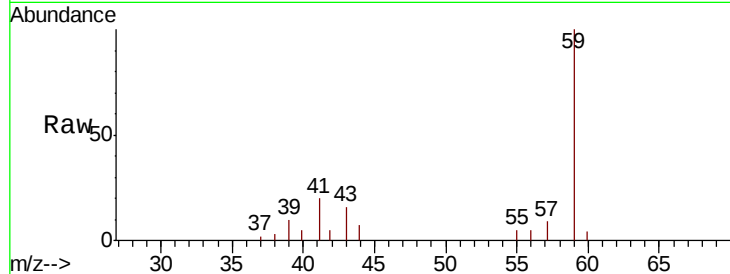


#23

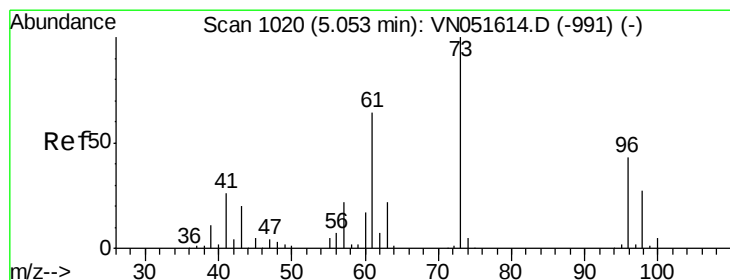
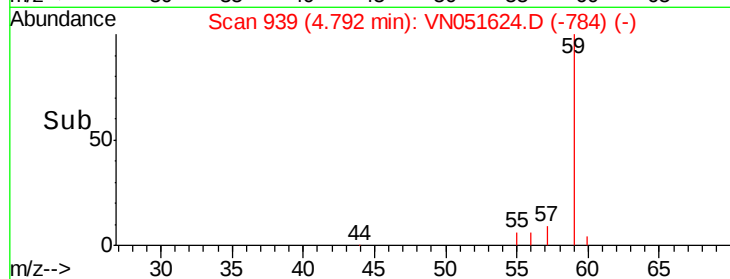
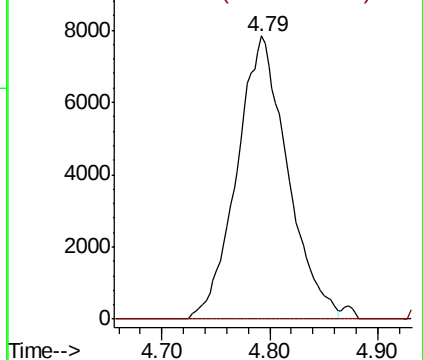
tert-Butyl Alcohol
 Concen: 89.405 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 25652
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



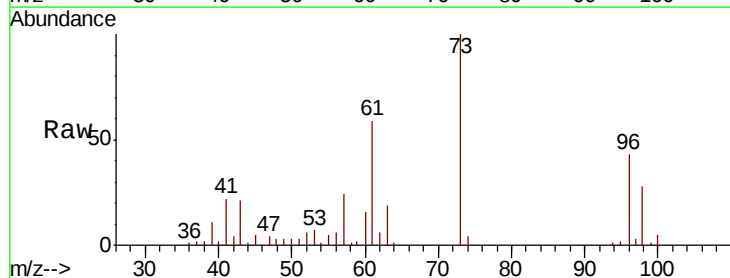
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



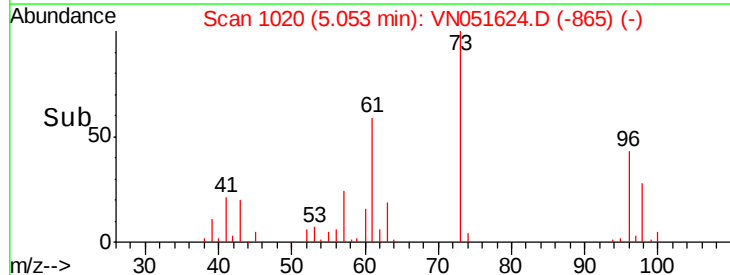
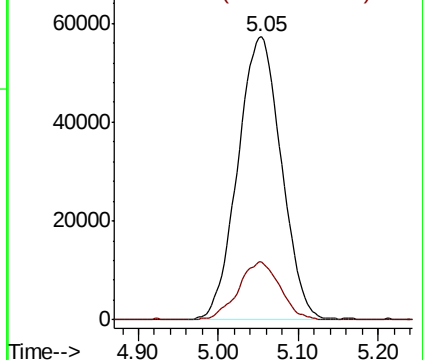
#24

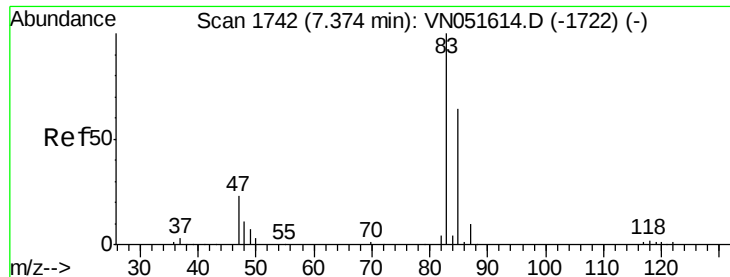
Methyl tert-Butyl Ether
 Concen: 19.069 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 73 Resp: 212684
 Ion Ratio Lower Upper
 73 100
 43 19.6 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

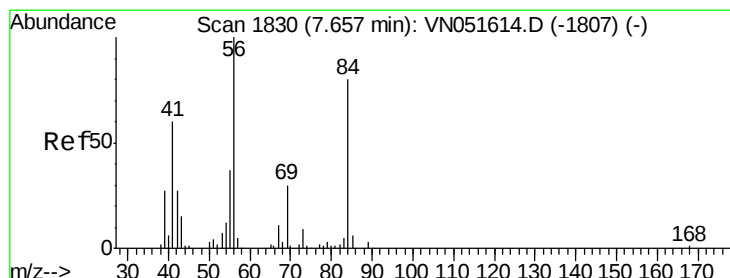
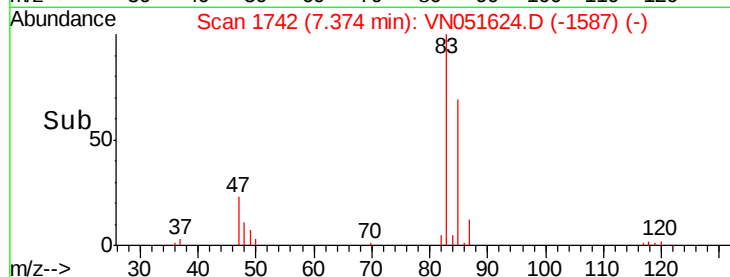
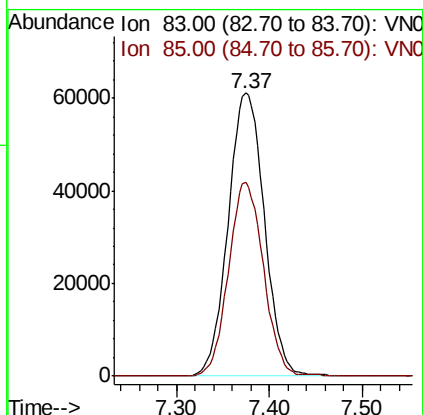
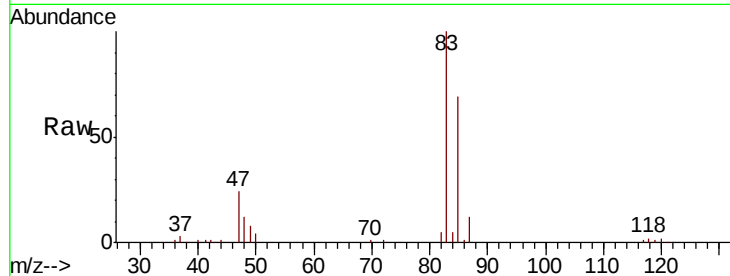




#25
Chloroform
Concen: 19.402 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

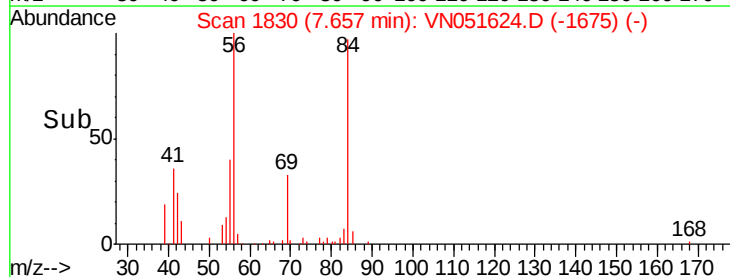
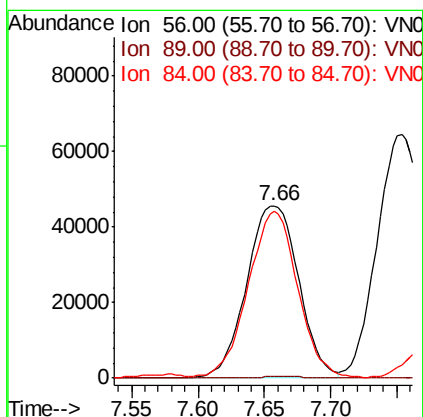
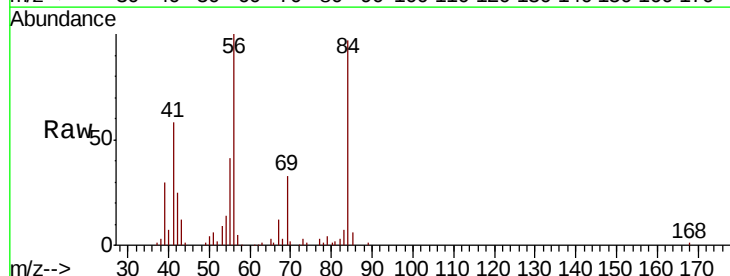
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

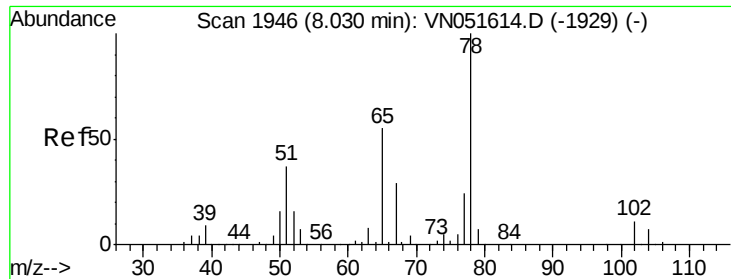
Tot Ion: 83 Resp: 165589
Ion Ratio Lower Upper
83 100
85 68.6 51.4 77.0



#26
Cyclohexane
Concen: 16.189 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 56 Resp: 125046
Ion Ratio Lower Upper
56 100
89 0.4 2.2 3.2#
84 92.5 65.0 97.4

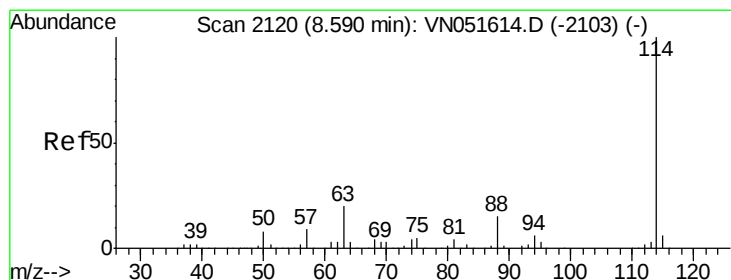
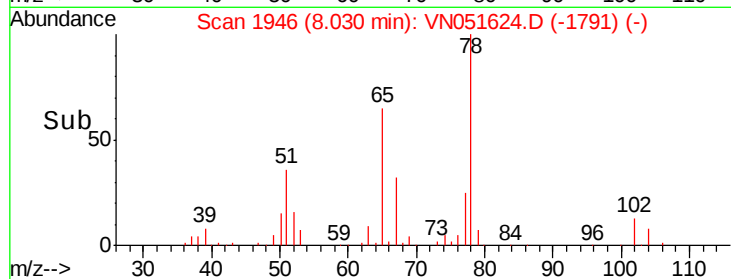
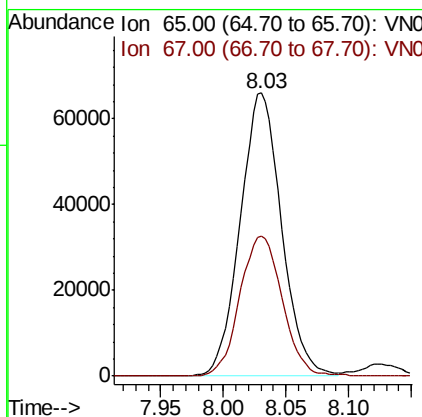
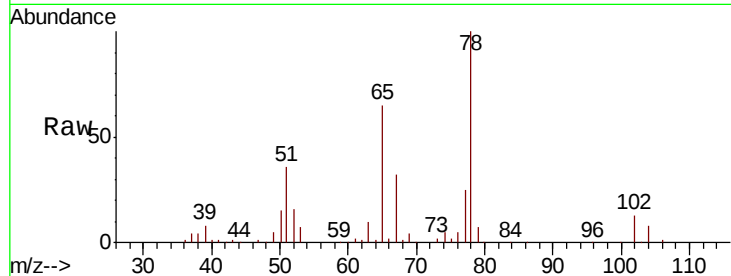




#27
 1,2-Dichloroethane-d4
 Concen: 16.189 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

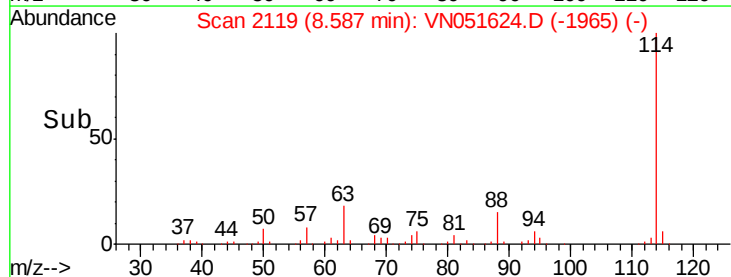
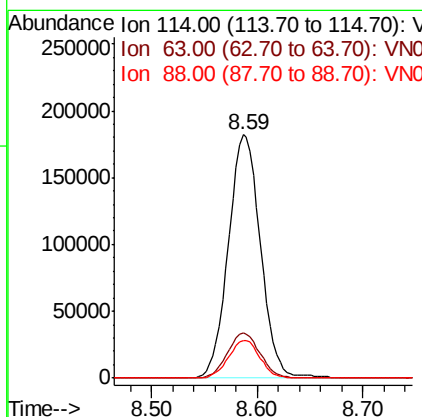
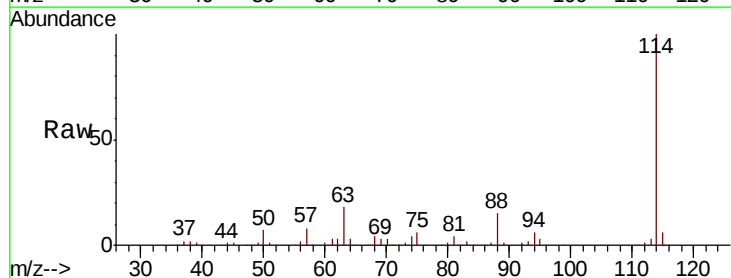
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

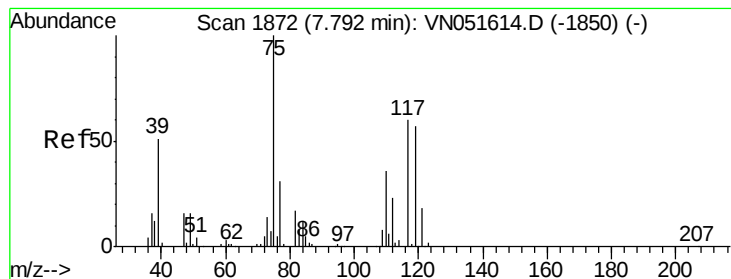
Tot Ion: 65 Resp: 151662
 Ion Ratio Lower Upper
 65 100
 67 50.9 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 114 Resp: 384236
 Ion Ratio Lower Upper
 114 100
 63 18.9 16.4 24.6
 88 15.2 12.6 18.8





#29

1,1-Dichloropropene

Concen: 18.046 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

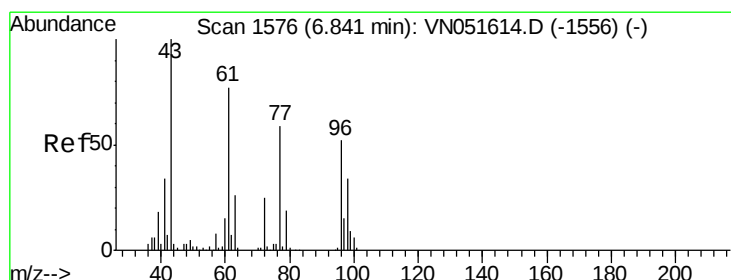
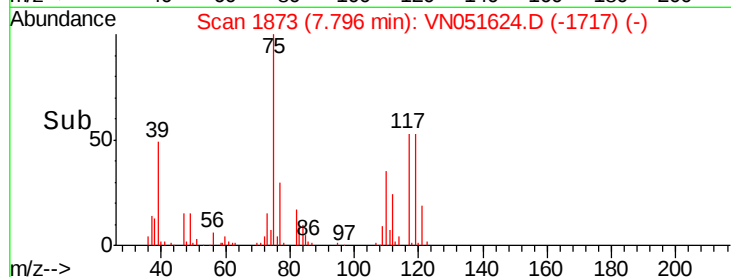
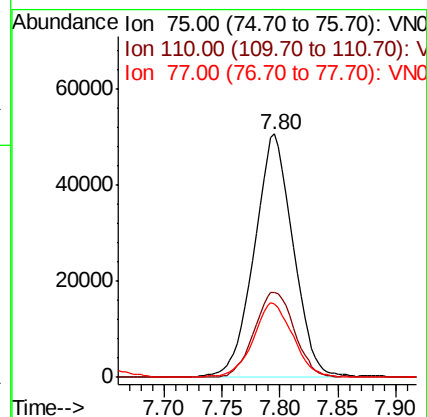
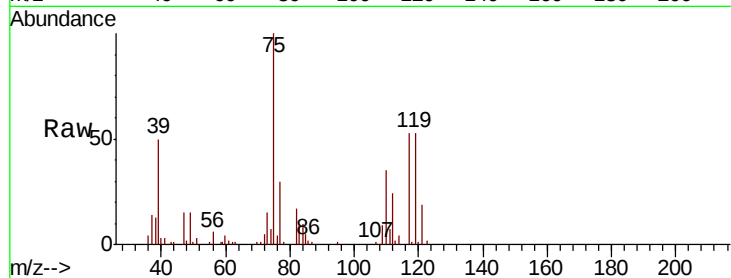
Tot Ion: 75 Resp: 118237

Ion Ratio Lower Upper

75 100

110 36.0 0.0 71.0

77 31.3 0.0 62.4



#30

2-Butanone

Concen: 73.845 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

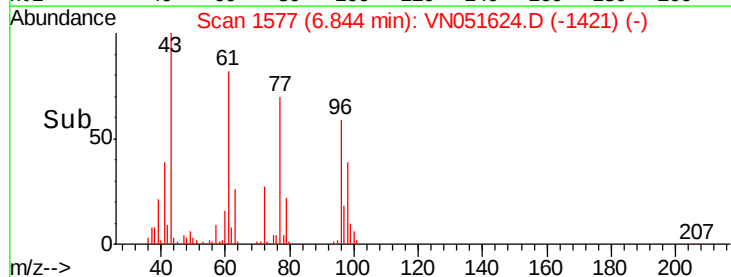
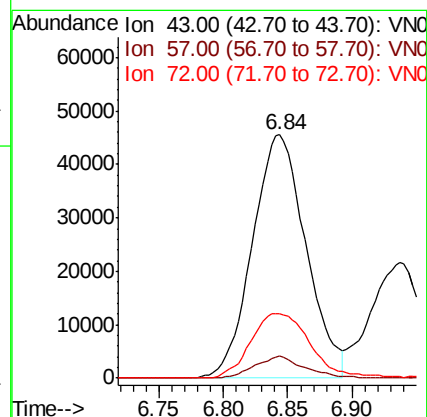
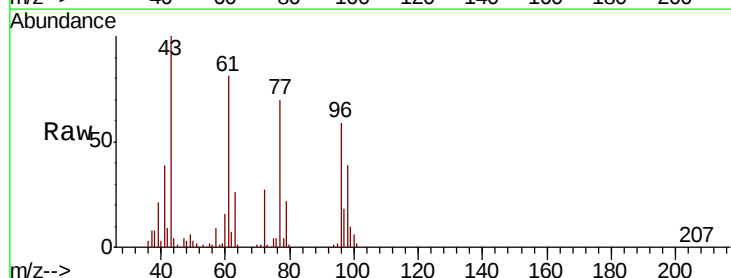
Tgt Ion: 43 Resp: 131682

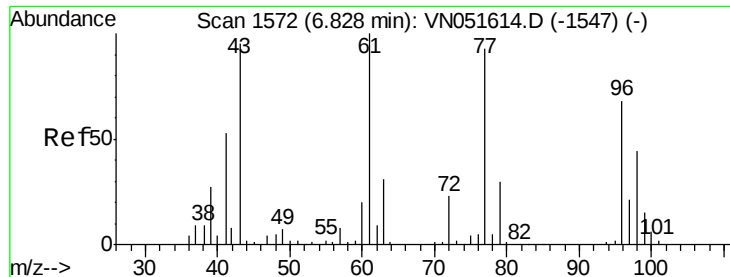
Ion Ratio Lower Upper

43 100

57 8.3 6.6 10.0

72 29.1 20.8 31.2





#31

2,2-Dichloropropane

Concen: 18.888 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

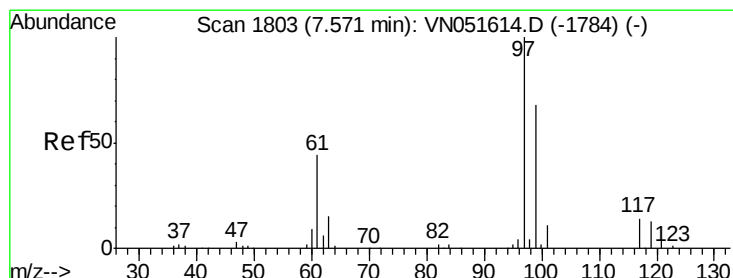
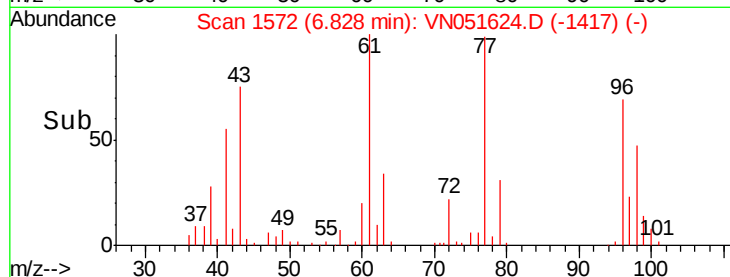
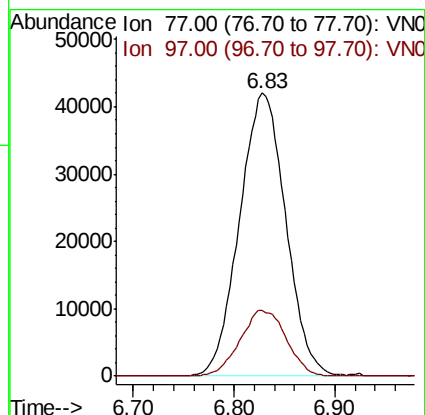
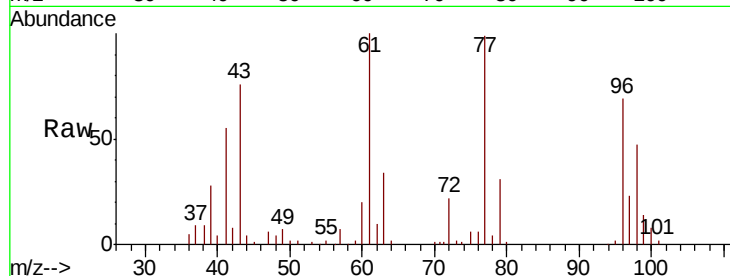
VSTDCCC020EC

Tot Ion: 77 Resp: 133563

Ion Ratio Lower Upper

77 100

97 23.2 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 20.889 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

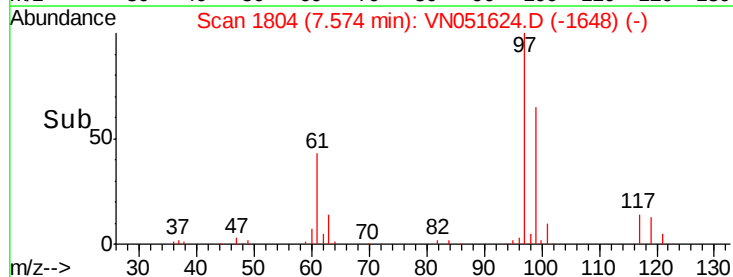
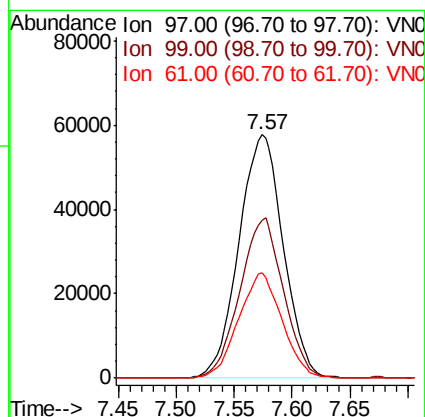
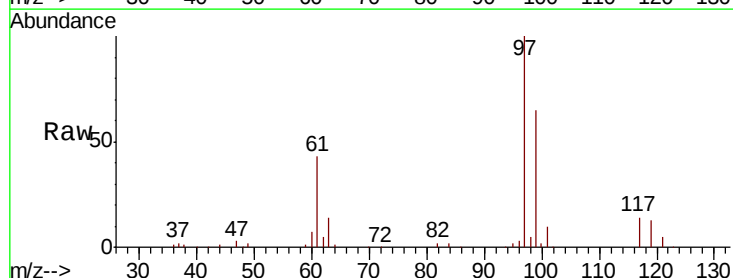
Tgt Ion: 97 Resp: 153779

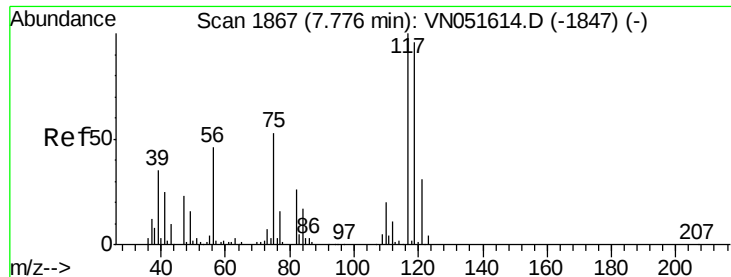
Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.4

61 42.3 36.2 54.4

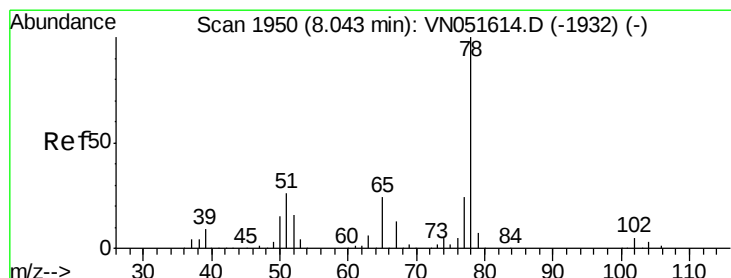
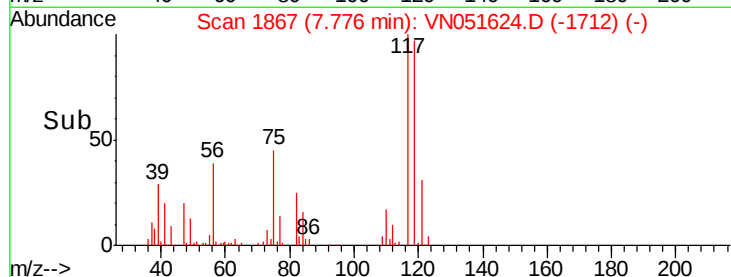
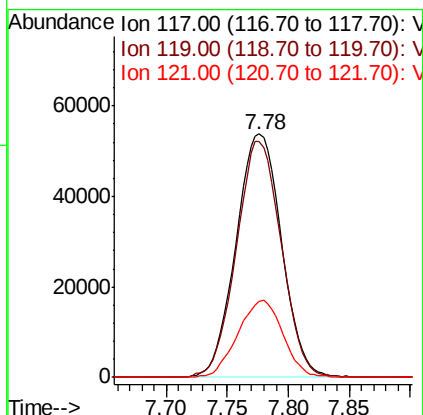
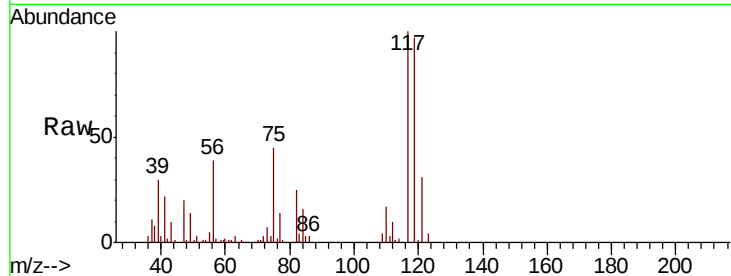




#33
Carbon Tetrachloride
Concen: 21.038 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

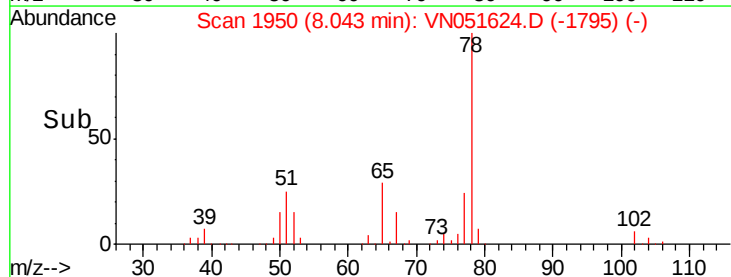
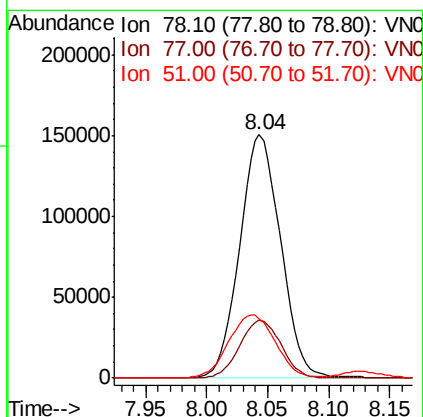
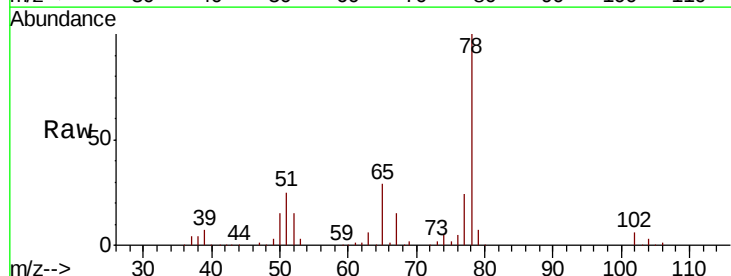
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

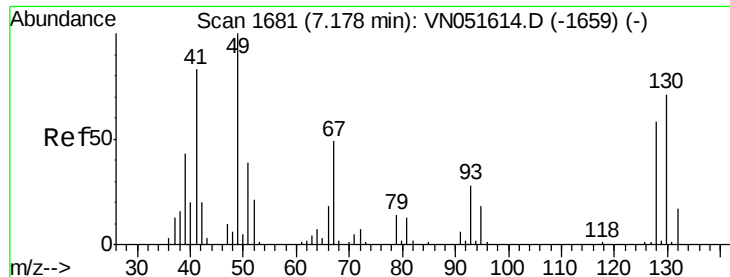
Tot Ion:117 Resp: 139202
Ion Ratio Lower Upper
117 100
119 96.8 76.5 114.7
121 31.4 25.0 37.6



#34
Benzene
Concen: 17.959 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 78 Resp: 349092
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 24.3 20.8 31.2

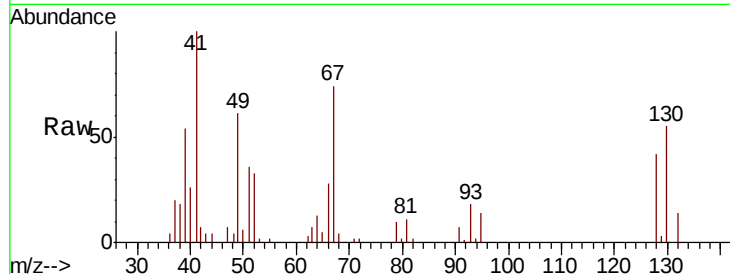




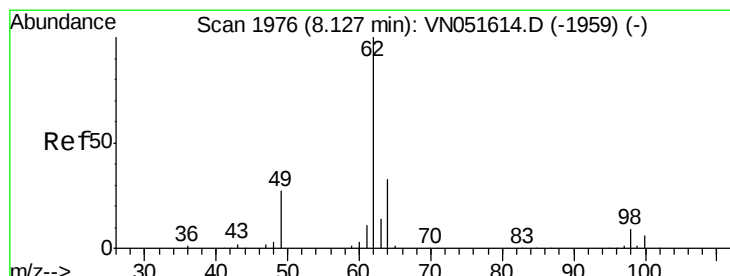
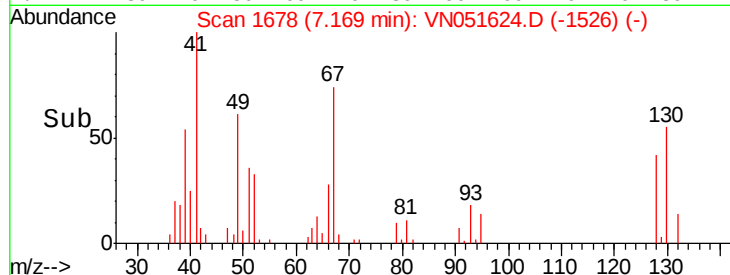
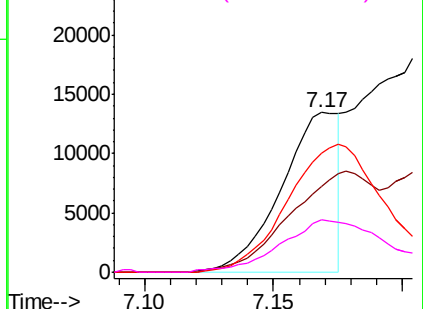
#35
Methacrylonitrile
Concen: 10.449 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	20949
Ion	Ratio	Lower	Upper
41	100		
39	53.9	25.6	76.8
67	74.3	29.4	88.2
52	33.3	12.5	37.5

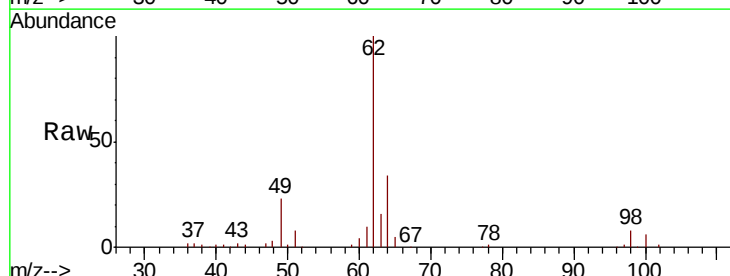


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

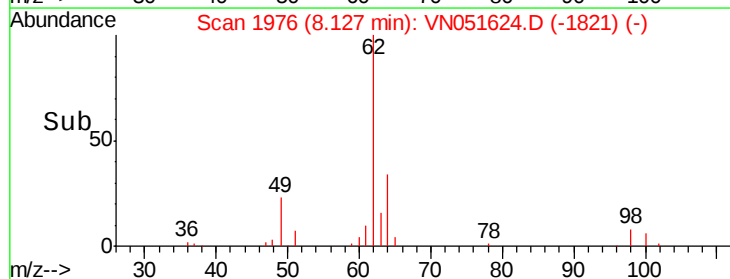
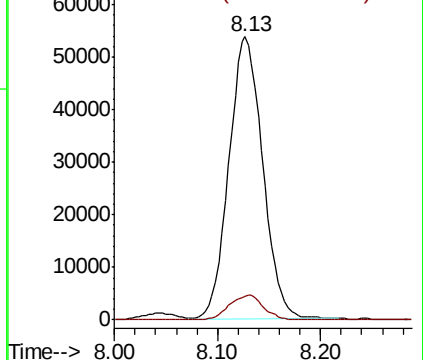


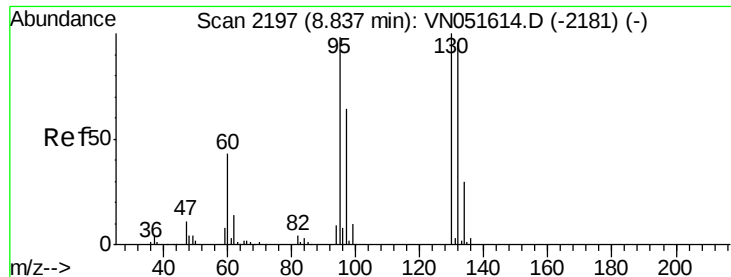
#36
1,2-Dichloroethane
Concen: 19.787 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion:	62	Resp:	122604
Ion	Ratio	Lower	Upper
62	100		
98	8.8	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

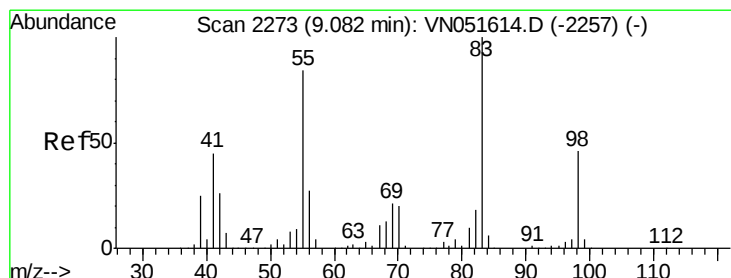
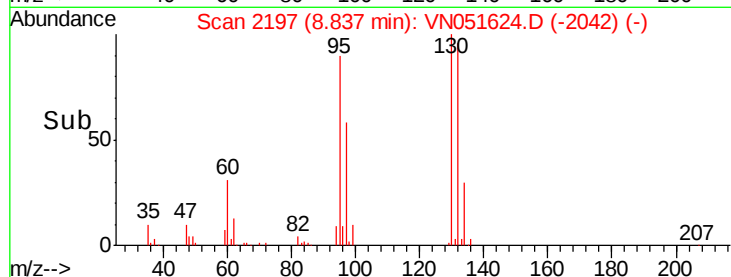
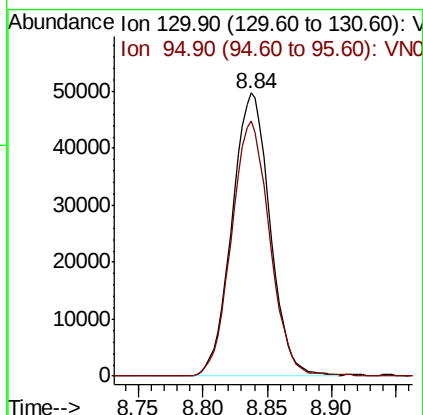
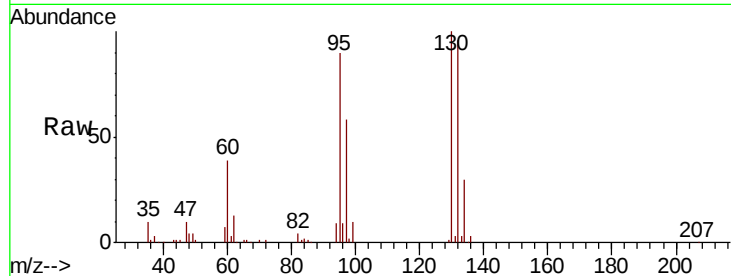




#37
 Trichloroethene
 Concen: 20.430 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

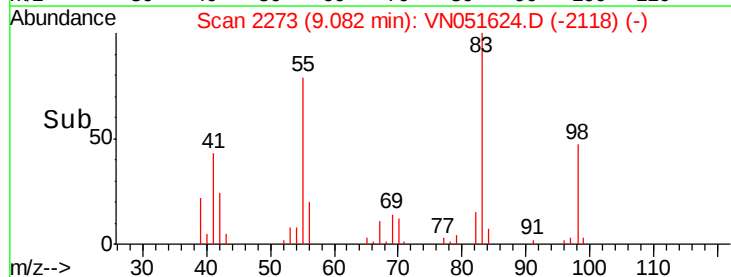
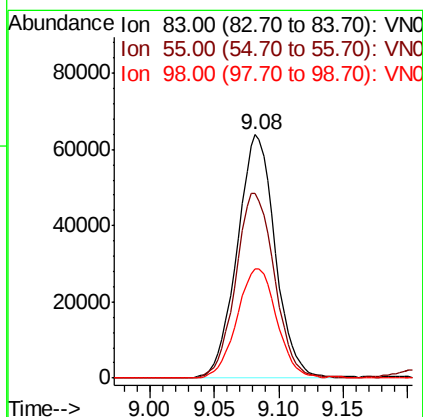
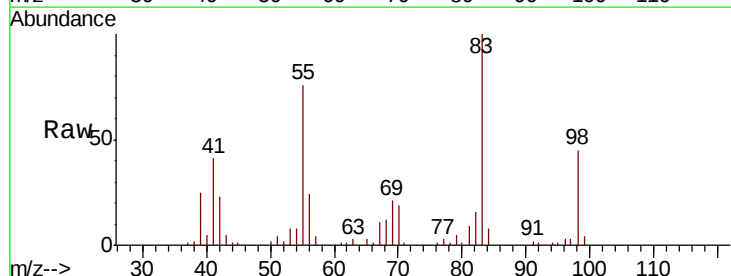
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

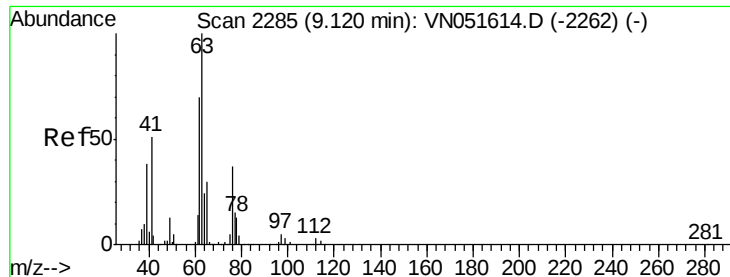
Tot Ion:130 Resp: 101961
 Ion Ratio Lower Upper
 130 100
 95 90.1 78.4 117.6



#38
 Methylcyclohexane
 Concen: 17.329 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 83 Resp: 131017
 Ion Ratio Lower Upper
 83 100
 55 77.6 41.6 124.9
 98 47.1 23.1 69.2





#39

1,2-Dichloropropane

Concen: 16.994 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

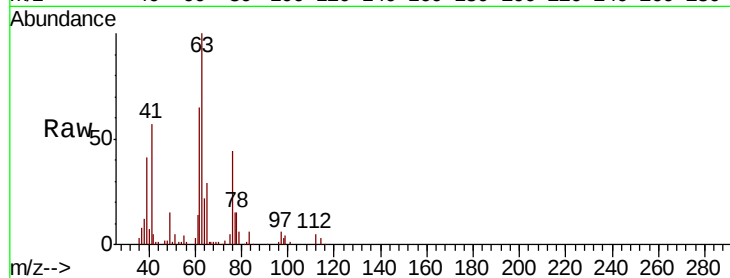
VSTDCCC020EC

Tot Ion: 63 Resp: 90516

Ion Ratio Lower Upper

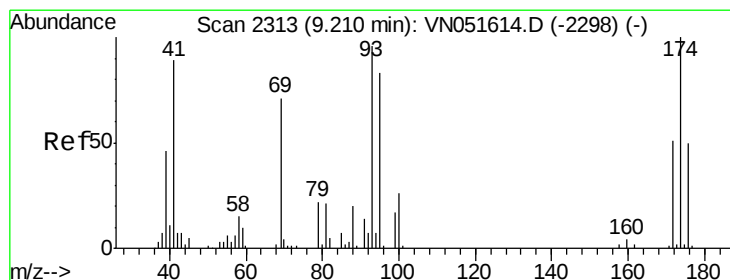
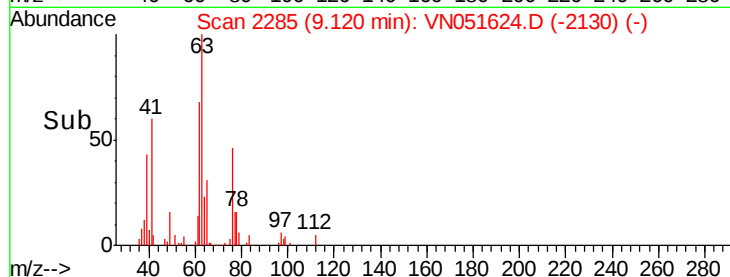
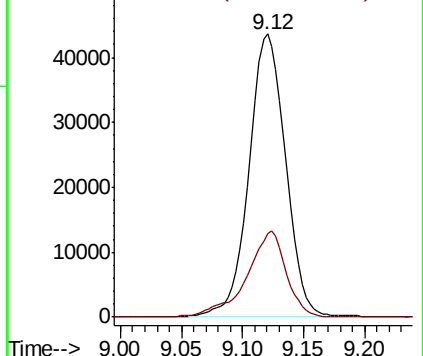
63 100

65 29.5 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.510 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

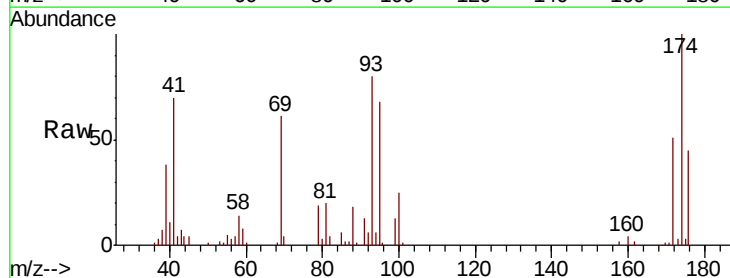
Tgt Ion: 93 Resp: 54769

Ion Ratio Lower Upper

93 100

95 85.2 0.0 171.0

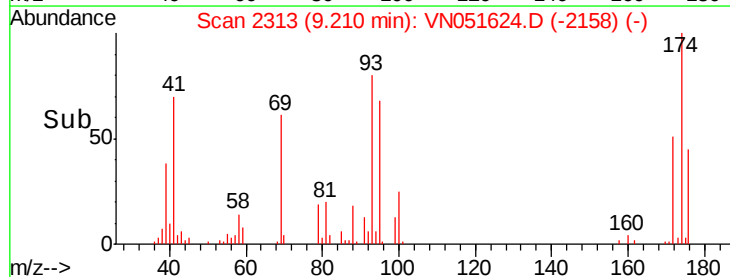
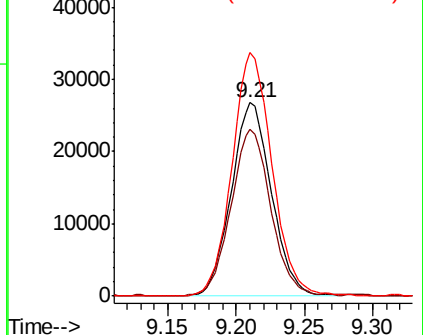
174 125.3 0.0 212.0

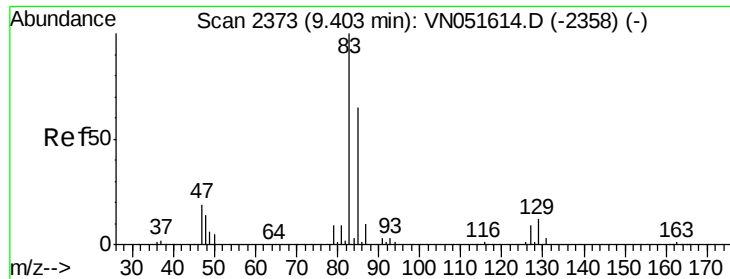


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.560 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

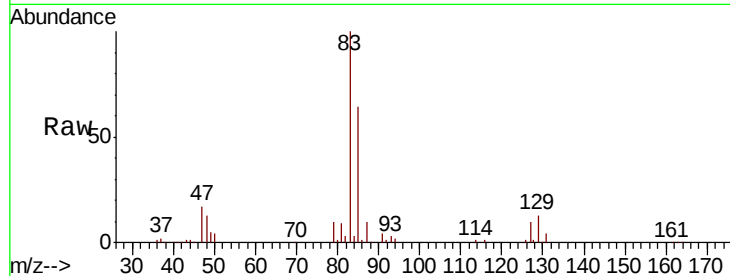
Tot Ion: 83 Resp: 126333

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1

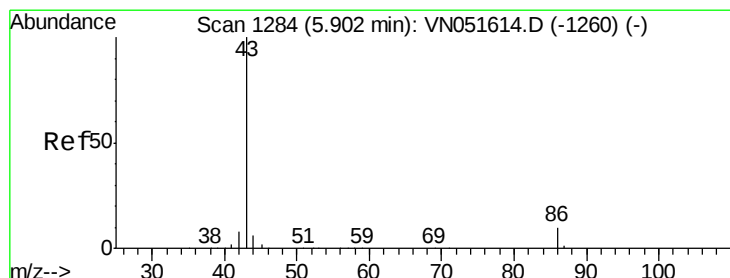
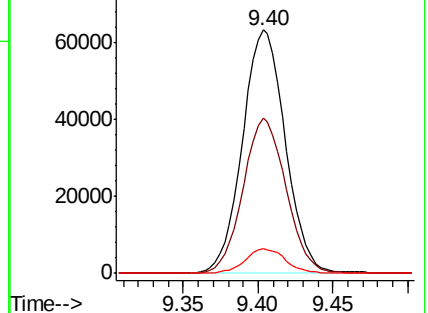
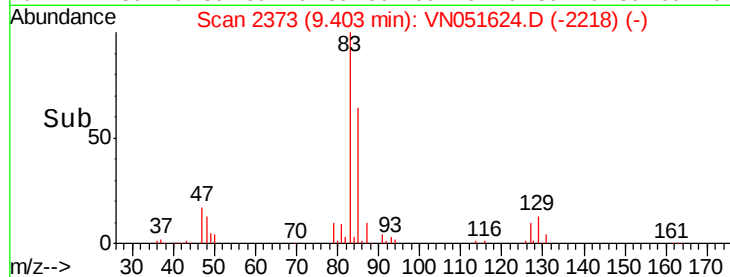
127 10.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051624.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN051624.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN051624.D (-2218) (-)



#42

Vinyl Acetate

Concen: 77.841 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN051624.D

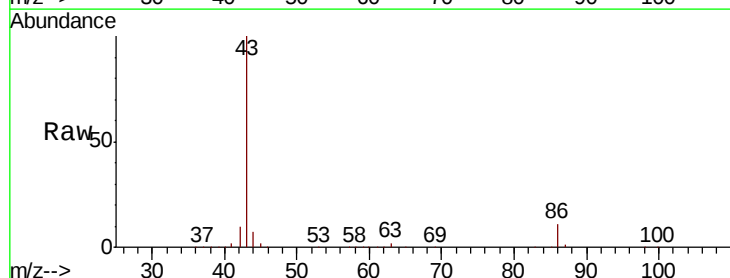
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 772760

Ion Ratio Lower Upper

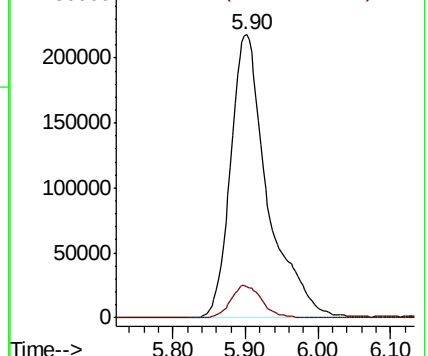
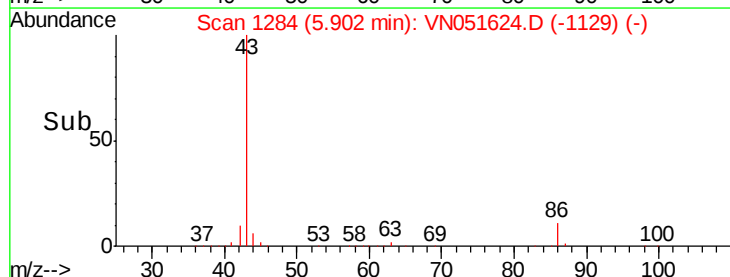
43 100

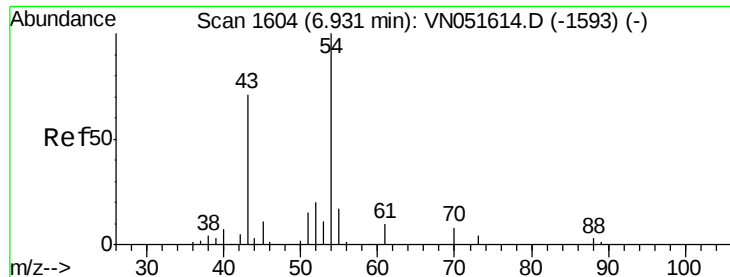
86 9.7 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN051624.D (-1129) (-)

Ion 86.00 (85.70 to 86.70): VN051624.D (-1129) (-)





#43

Ethyl Acetate

Concen: 15.810 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

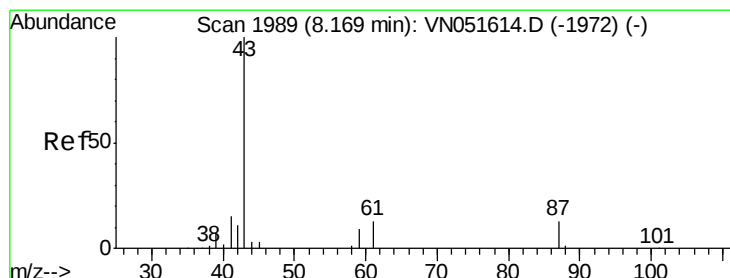
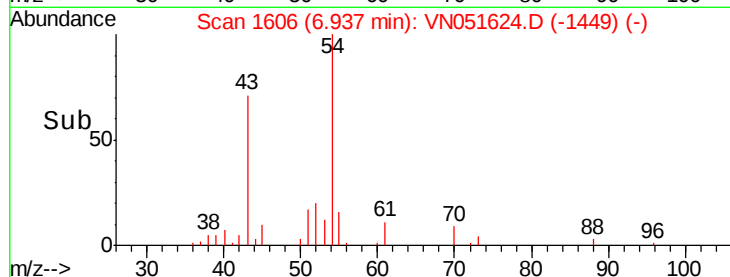
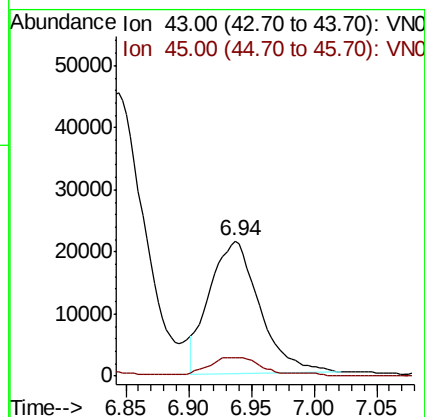
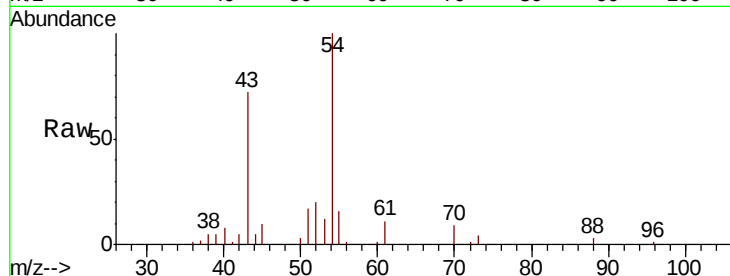
VSTDCCC020EC

Tot Ion: 43 Resp: 59675

Ion Ratio Lower Upper

43 100

45 13.9 10.6 16.0



#44

Isopropyl Acetate

Concen: 15.444 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051624.D

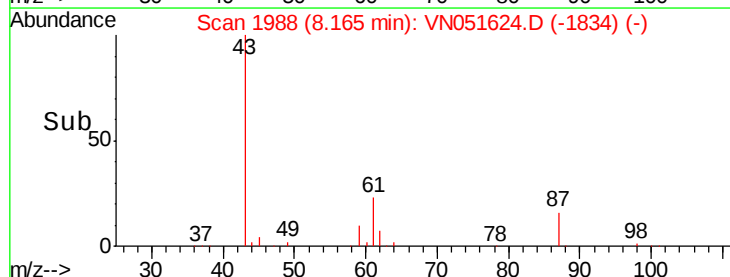
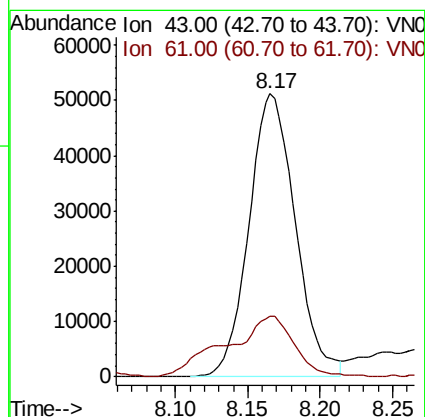
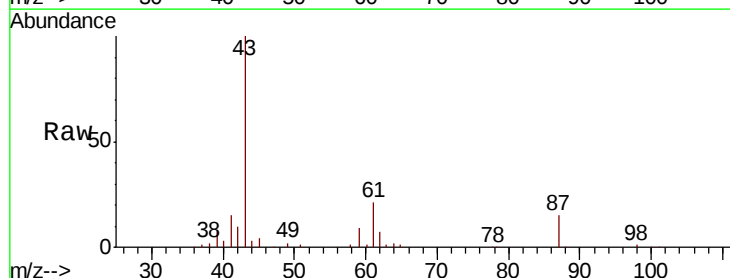
Acq: 28 Sep 2018 19:12

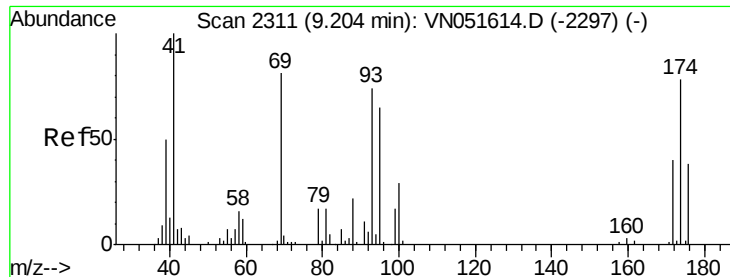
Tgt Ion: 43 Resp: 114141

Ion Ratio Lower Upper

43 100

61 19.9 15.4 23.0

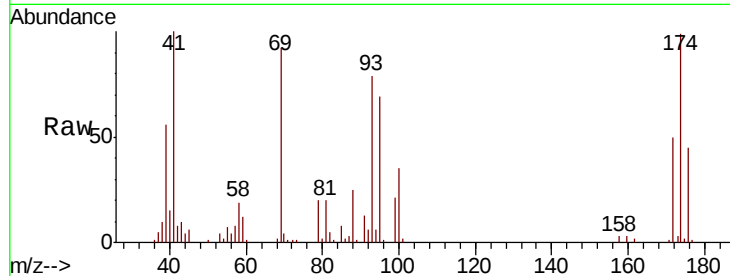




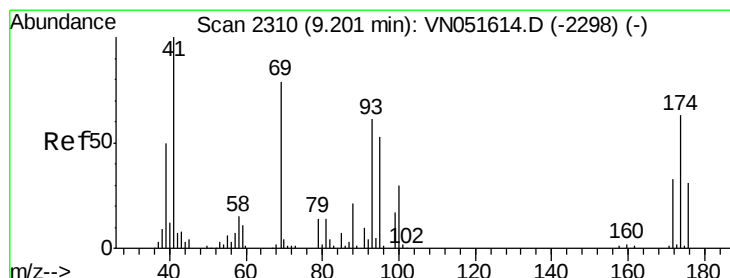
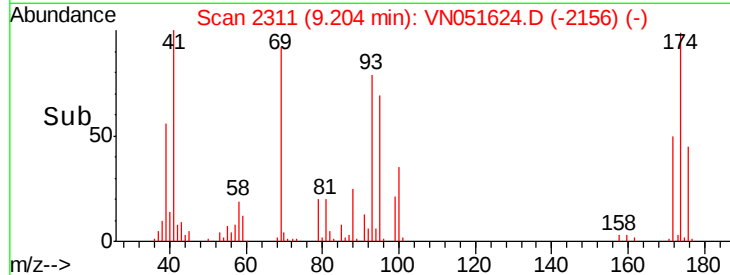
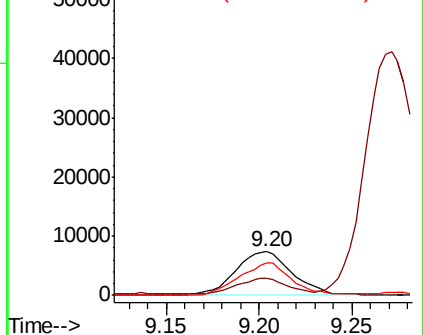
#45
 1,4-Dioxane
 Concen: 387.626 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 15497
 Ion Ratio Lower Upper
 88 100
 43 31.0 29.0 43.6
 58 68.7 59.0 88.6

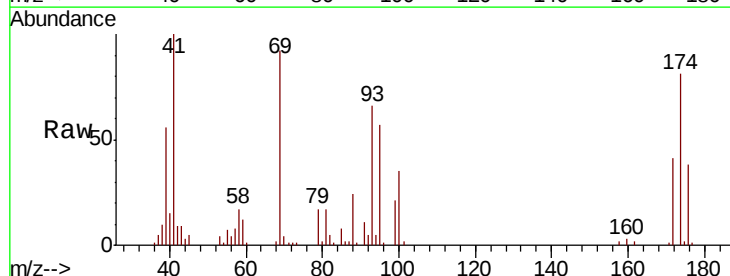


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

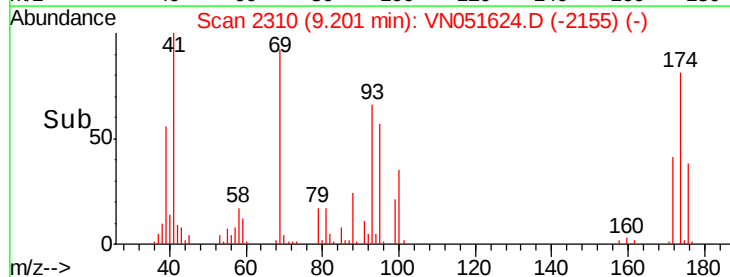
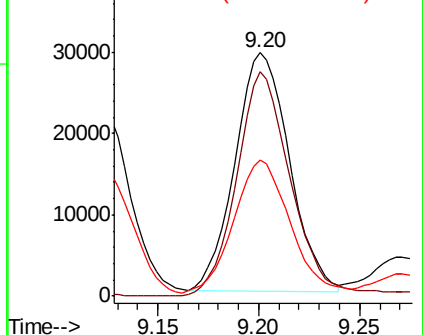


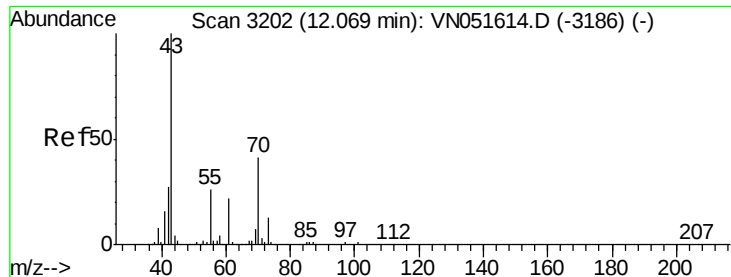
#46
 Methyl methacrylate
 Concen: 16.045 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 41 Resp: 55164
 Ion Ratio Lower Upper
 41 100
 69 93.7 39.6 118.7
 39 55.0 24.9 74.6



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

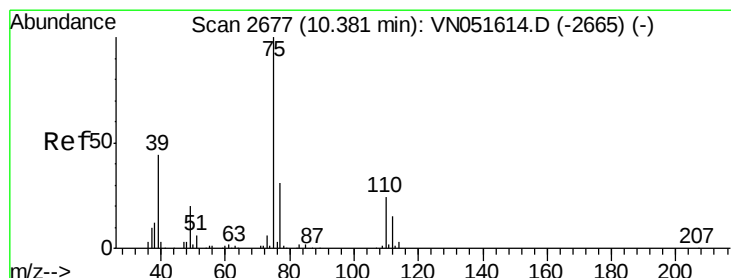
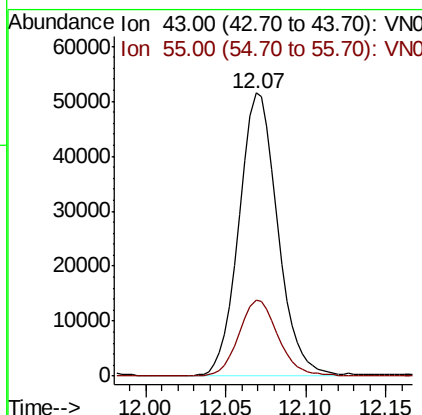
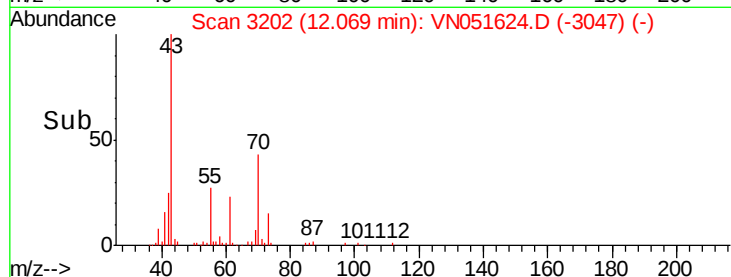
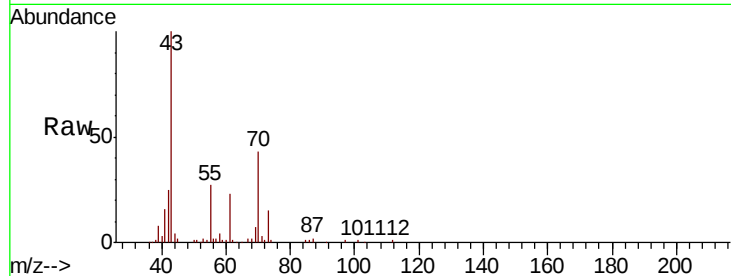




#47
n-amvl Acetate
Concen: 15.262 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

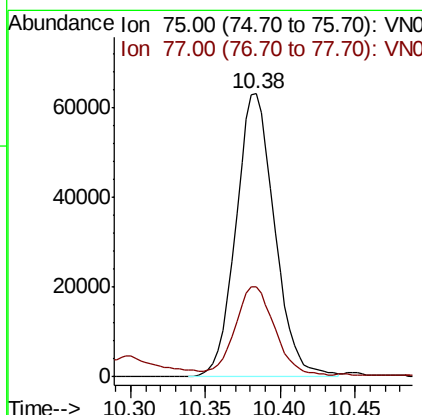
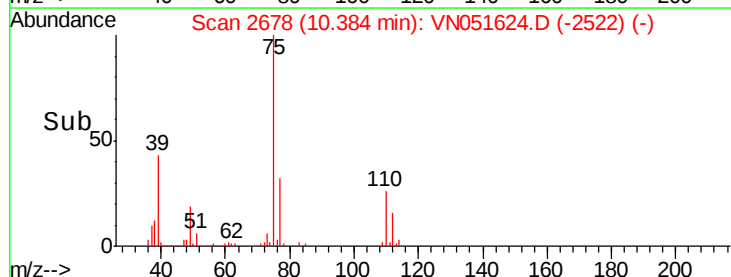
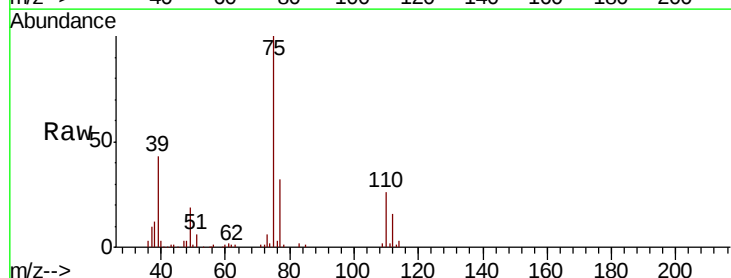
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

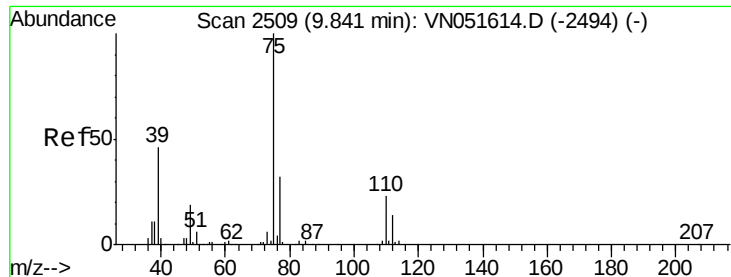
Tot Ion: 43 Resp: 84395
Ion Ratio Lower Upper
43 100
55 27.5 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 17.689 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 75 Resp: 114024
Ion Ratio Lower Upper
75 100
77 31.0 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 17.878 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

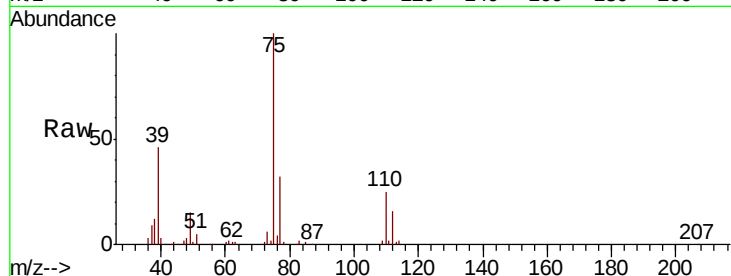
Tot Ion: 75 Resp: 134737

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

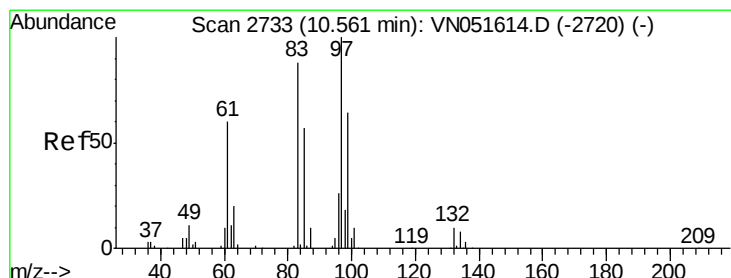
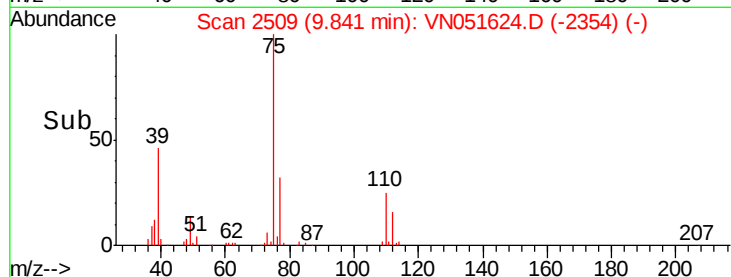
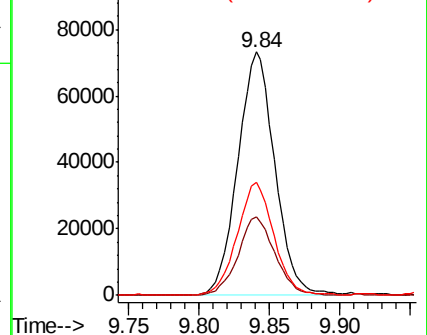
39 46.3 36.6 55.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 18.520 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion: 97 Resp: 77441

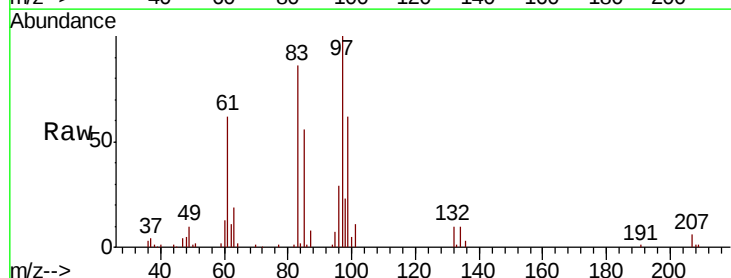
Ion Ratio Lower Upper

97 100

83 85.8 70.2 105.2

85 56.2 45.6 68.4

99 62.1 51.5 77.3

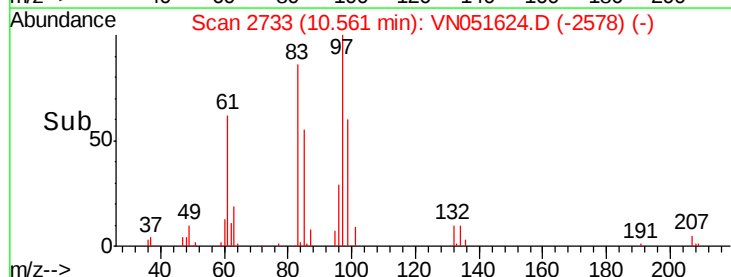
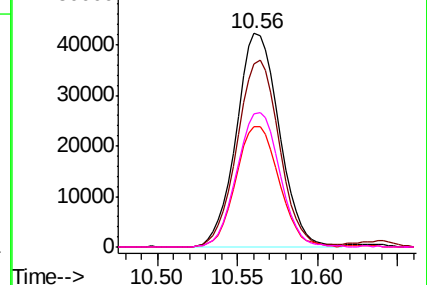


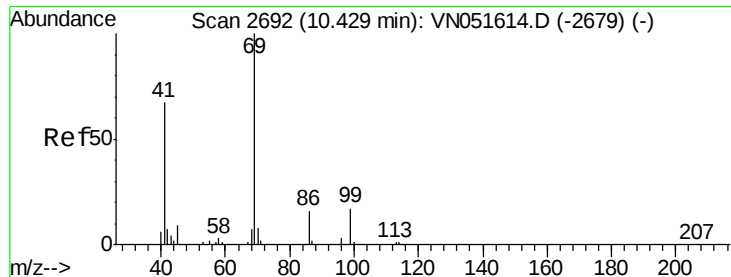
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 17.102 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

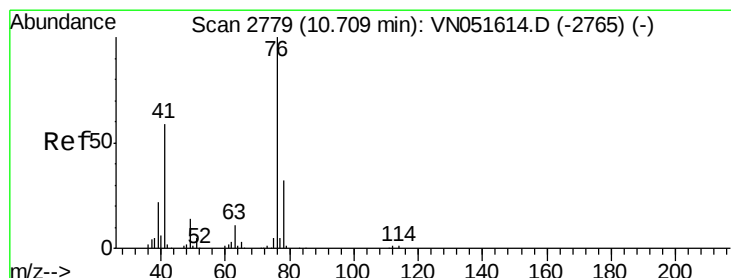
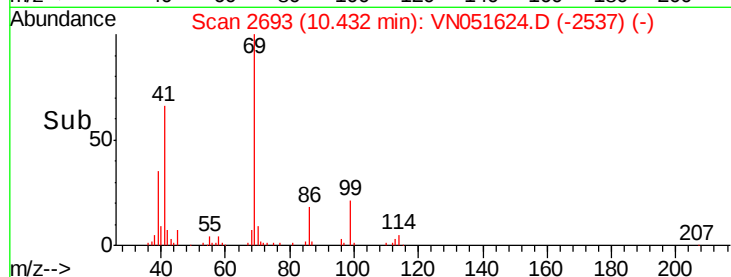
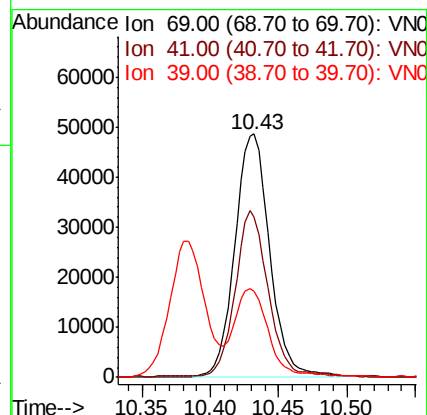
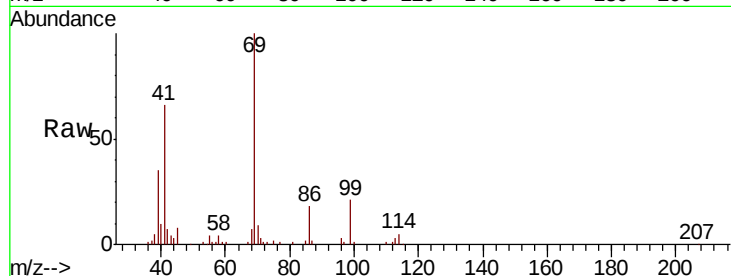
Tot Ion: 69 Resp: 86761

Ion Ratio Lower Upper

69 100

41 65.6 33.3 99.8

39 34.6 17.2 51.6



#52

1,3-Dichloropropane

Concen: 18.028 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051624.D

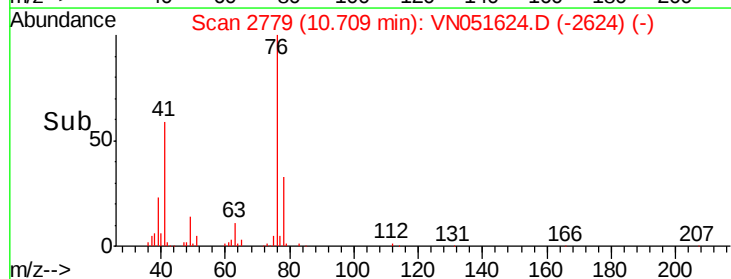
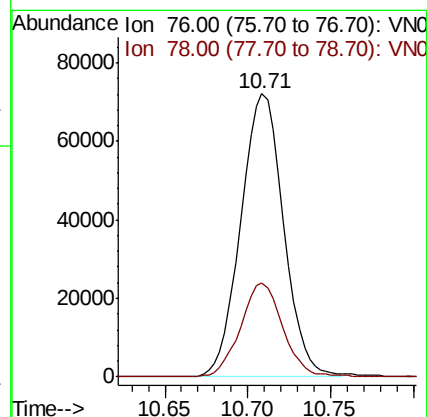
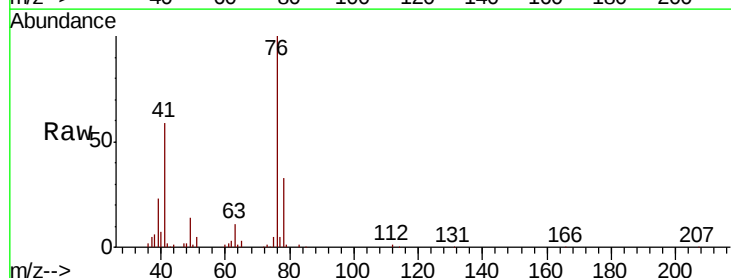
Acq: 28 Sep 2018 19:12

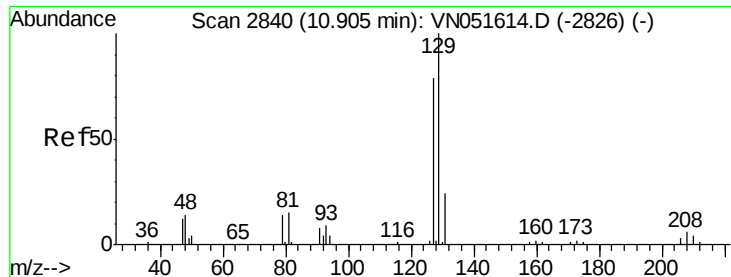
Tgt Ion: 76 Resp: 129248

Ion Ratio Lower Upper

76 100

78 32.8 0.0 63.4





#53

Dibromochloromethane

Concen: 20.283 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

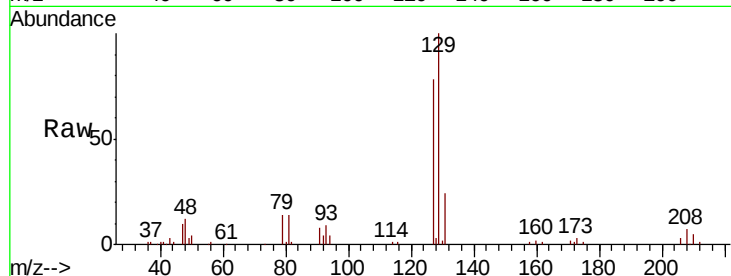
VSTDCCC020EC

Tot Ion:129 Resp: 96595

Ion Ratio Lower Upper

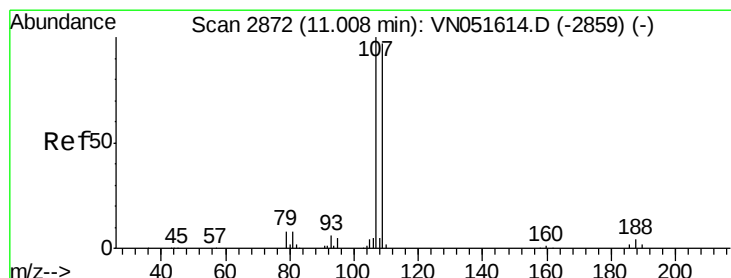
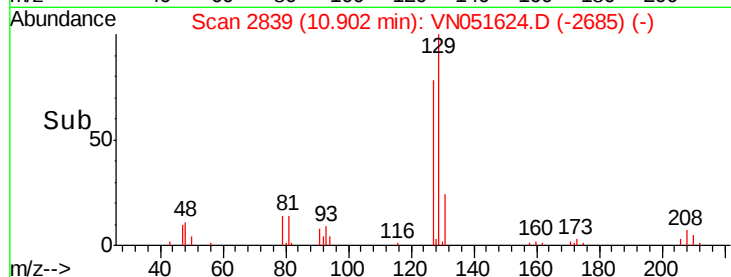
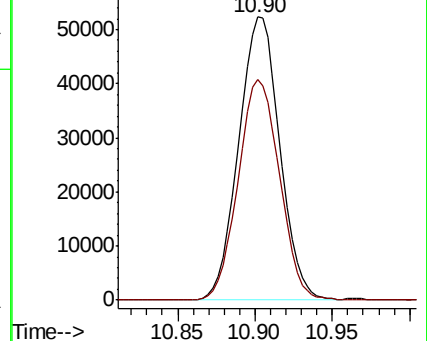
129 100

127 78.4 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.897 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051624.D

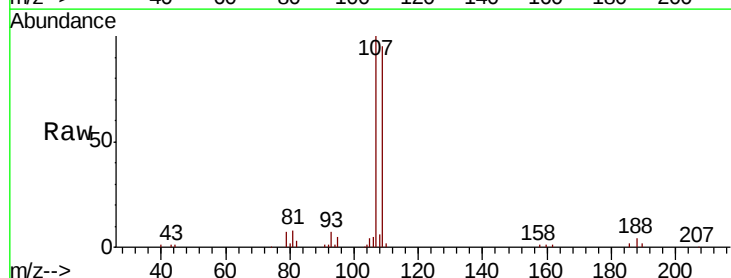
Acq: 28 Sep 2018 19:12

Tgt Ion:107 Resp: 75817

Ion Ratio Lower Upper

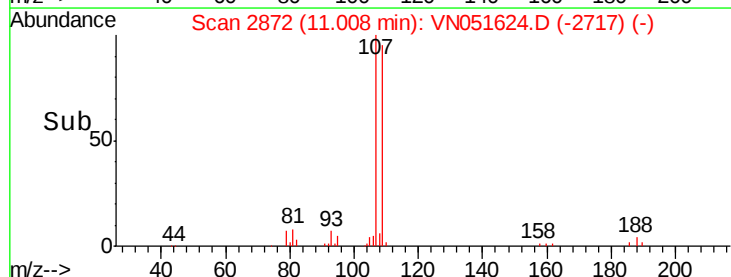
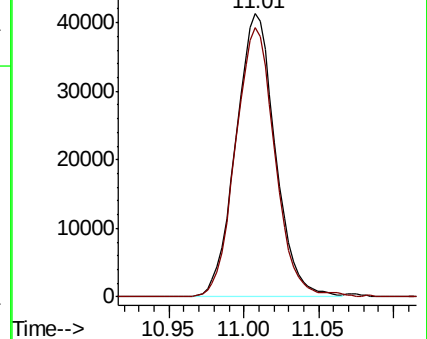
107 100

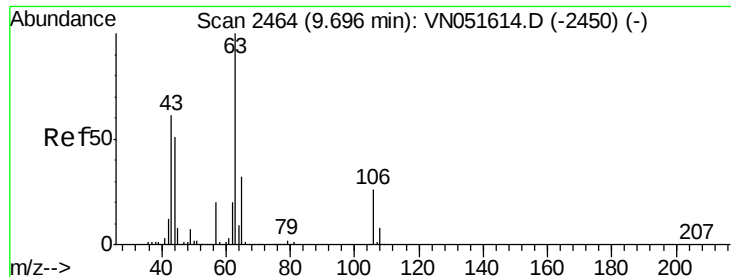
109 94.3 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

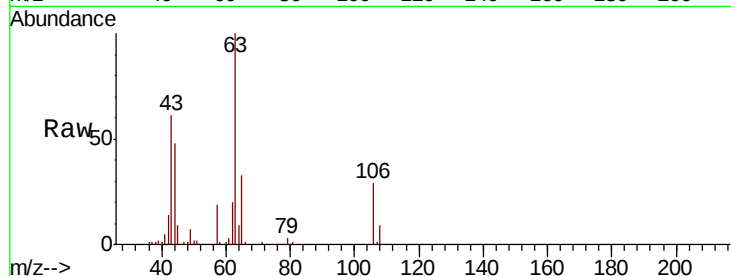




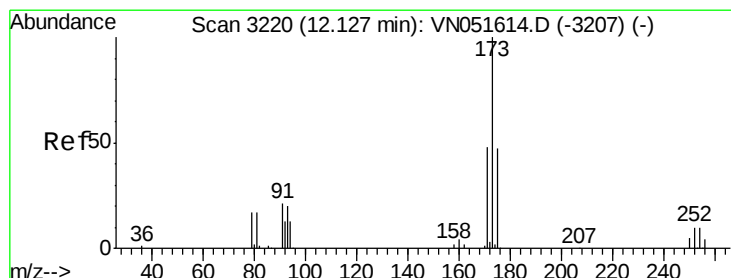
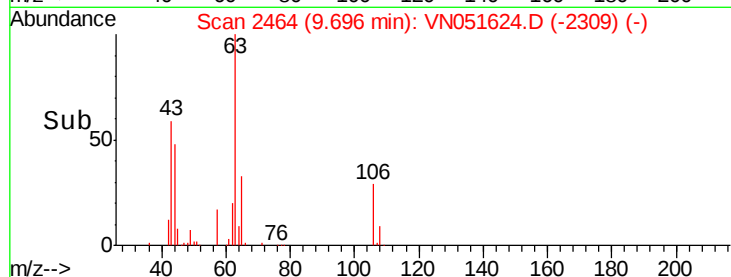
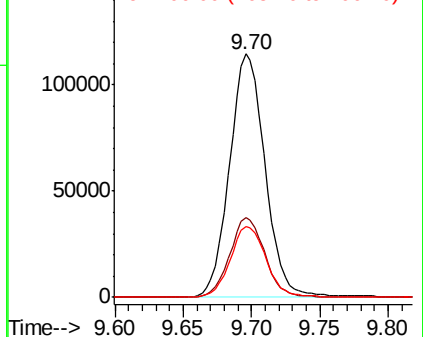
#55
2-Chloroethyl vinyl ether
Concen: 82.698 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 63 Resp: 207372
Ion Ratio Lower Upper
63 100
65 32.2 25.8 38.6
106 29.5 20.4 30.6

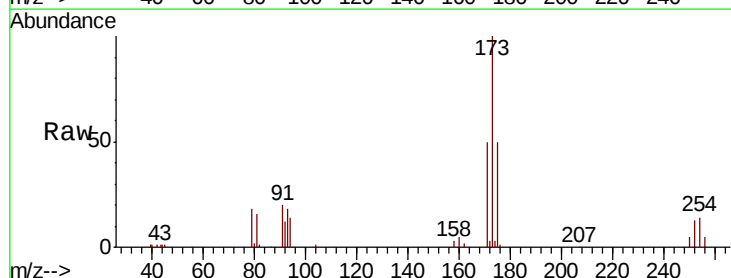


Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-2450) (-)
Ion 65.00 (64.70 to 65.70): VN051614.D (-2450) (-)
Ion 106.00 (105.70 to 106.70): VN051614.D (-2450) (-)

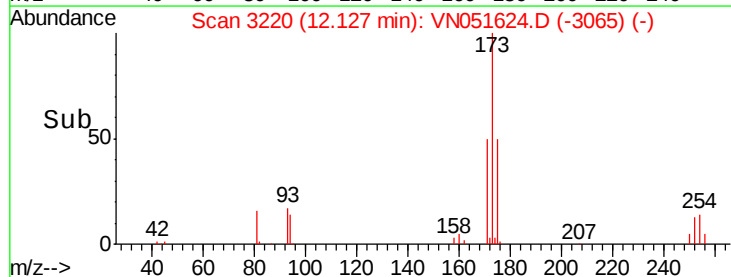
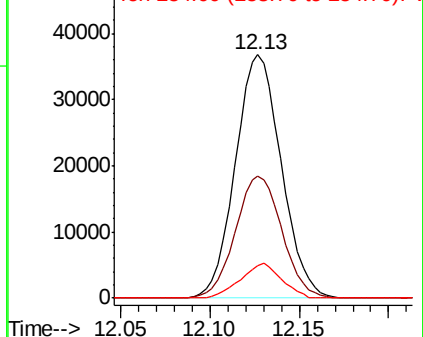


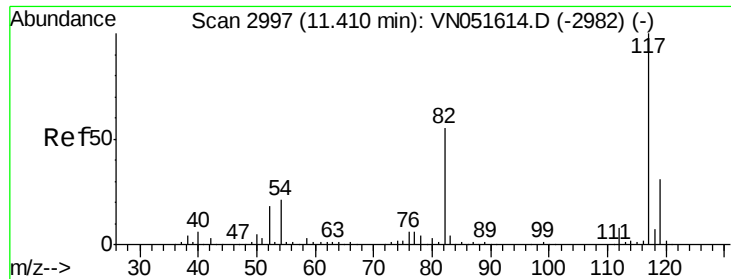
#56
Bromoform
Concen: 20.895 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 173 Resp: 66029
Ion Ratio Lower Upper
173 100
175 50.7 39.0 58.4
254 12.6 8.7 13.1



Abundance Ion 173.00 (172.70 to 173.70): VN051614.D (-3207) (-)
Ion 175.00 (174.70 to 175.70): VN051614.D (-3207) (-)
Ion 254.00 (253.70 to 254.70): VN051614.D (-3207) (-)

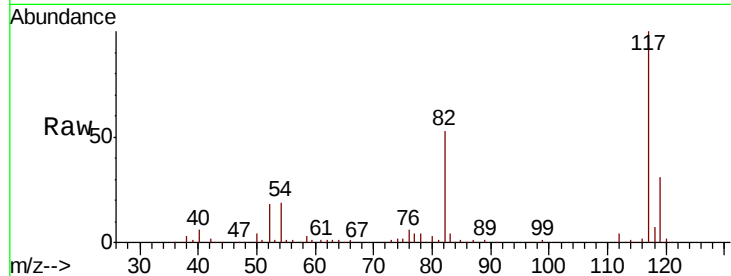




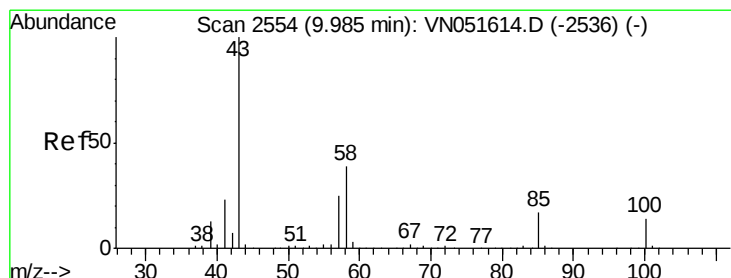
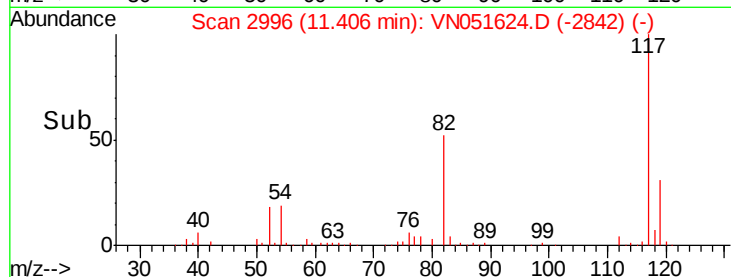
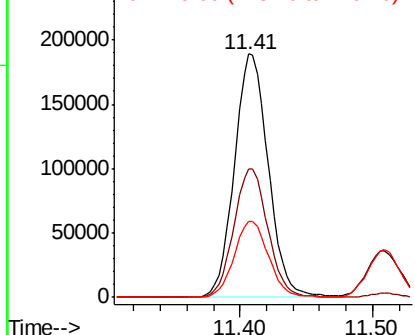
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 335303
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 31.6 25.2 37.8

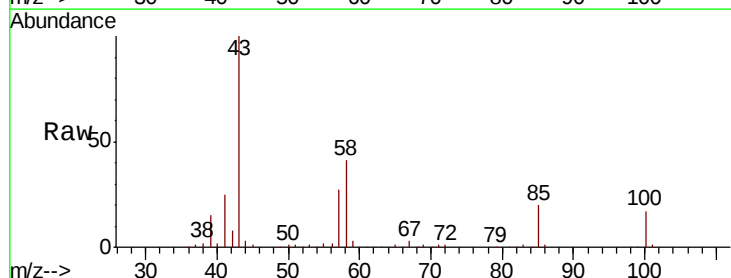


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

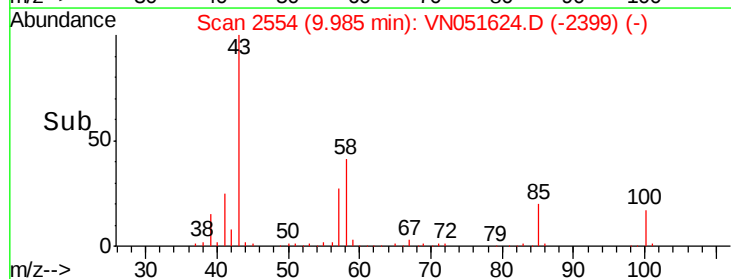
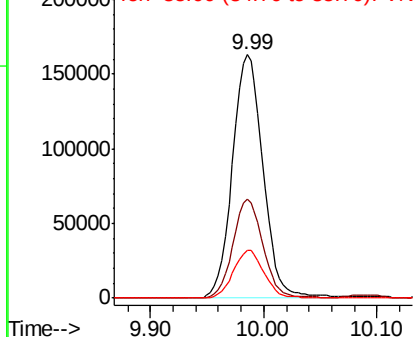


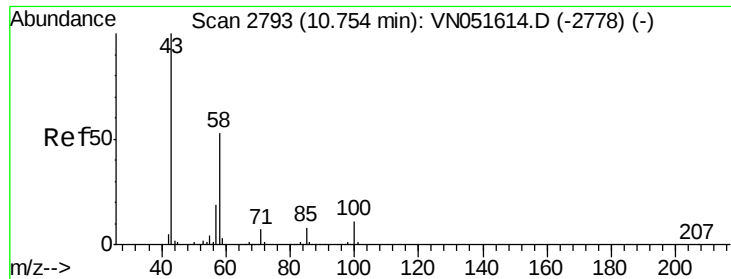
#58
4-Methyl-2-Pentanone
Concen: 80.774 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 307500
Ion Ratio Lower Upper
43 100
58 39.9 31.0 46.4
85 19.7 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

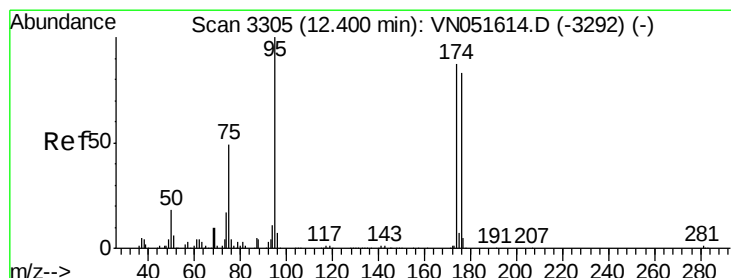
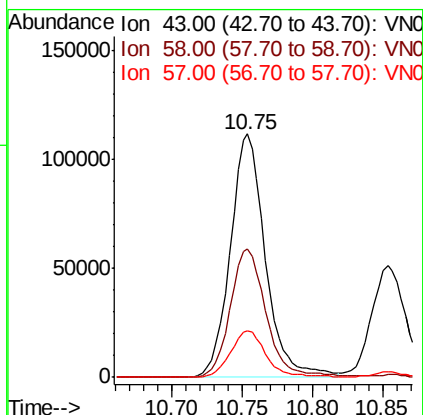
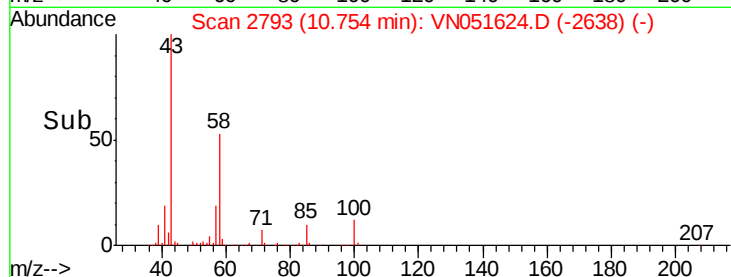
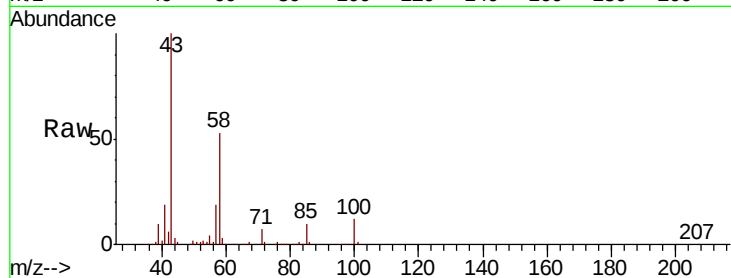




#59
2-Hexanone
Concen: 76.998 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

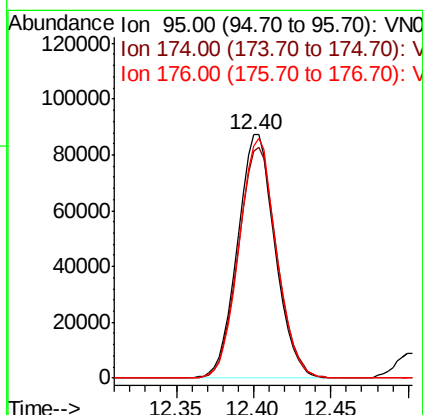
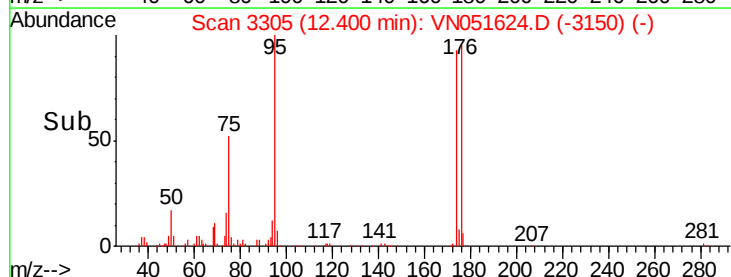
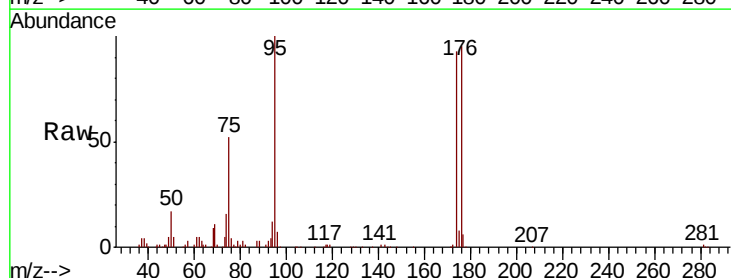
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

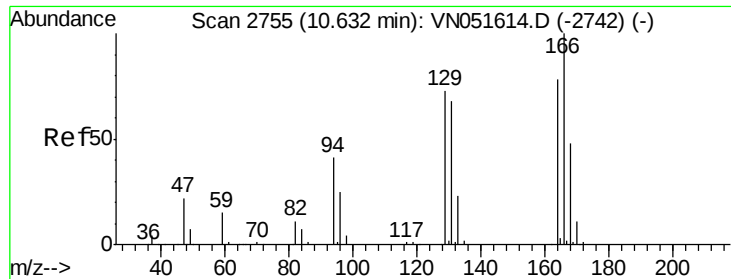
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	41.5	62.3
57	19.7	14.2	21.4



#60
4-Bromofluorobenzene
Concen: 76.998 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	71.2	106.8
176	97.6	67.8	101.8

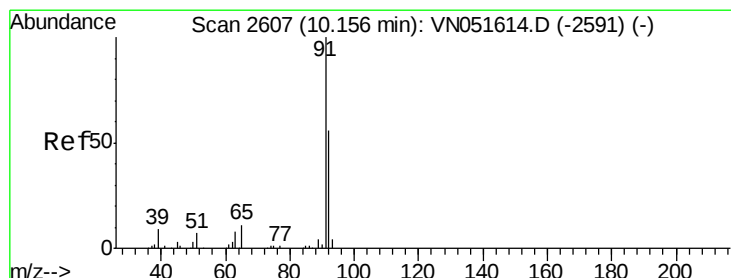
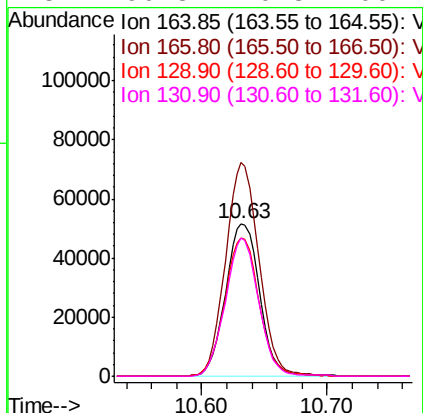
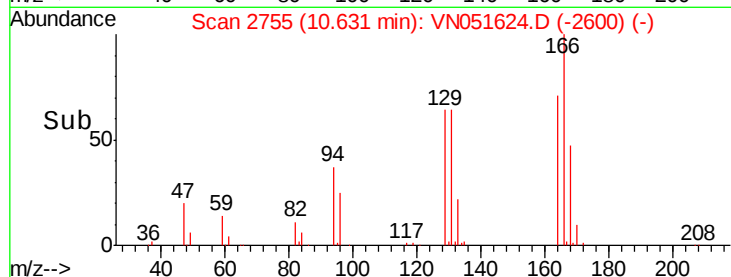
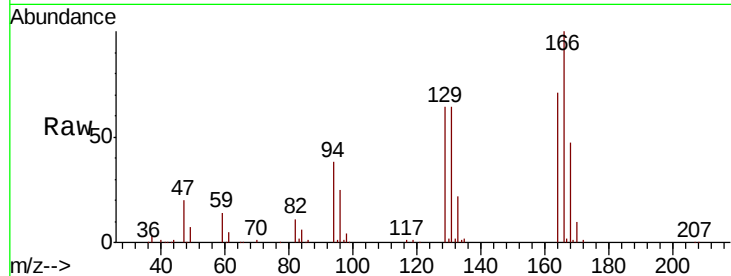




#61
Tetrachloroethene
Concen: 20.523 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

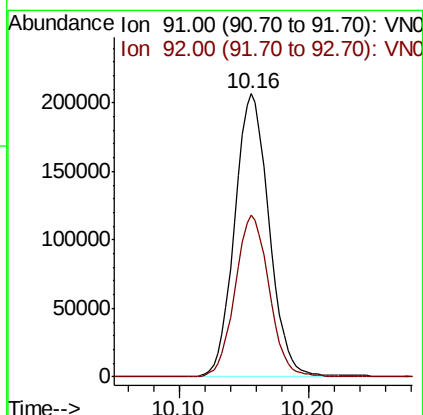
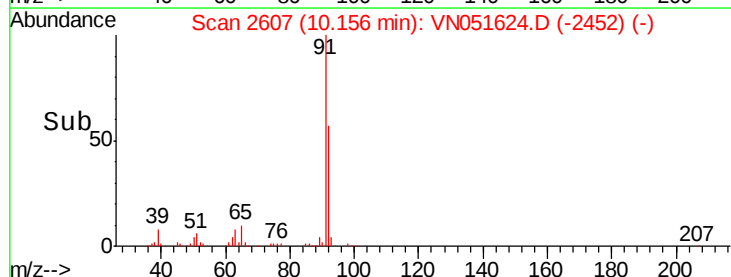
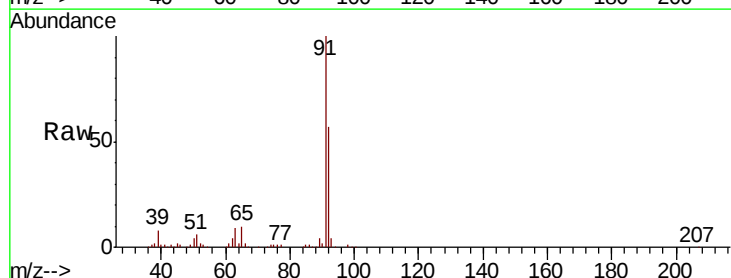
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

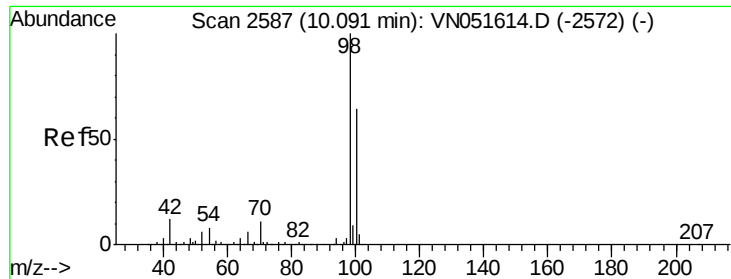
Tot Ion:164 Resp: 97425
Ion Ratio Lower Upper
164 100
166 140.0 103.1 154.7
129 90.3 75.3 112.9
131 90.3 70.8 106.2



#62
Toluene
Concen: 18.656 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 383574
Ion Ratio Lower Upper
91 100
92 56.7 45.3 67.9





#63

Toluene-d8

Concen: 18.656 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

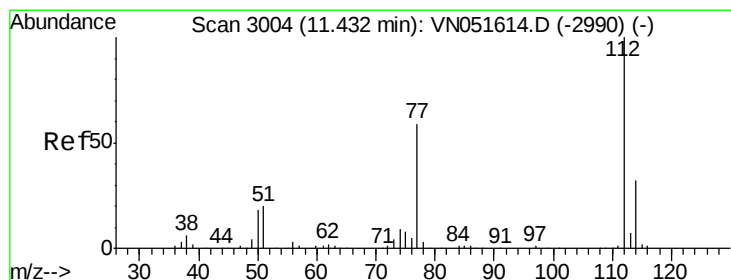
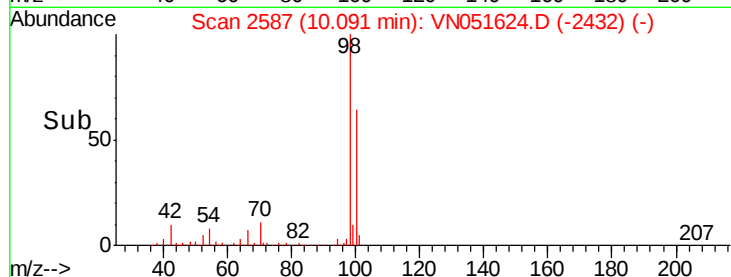
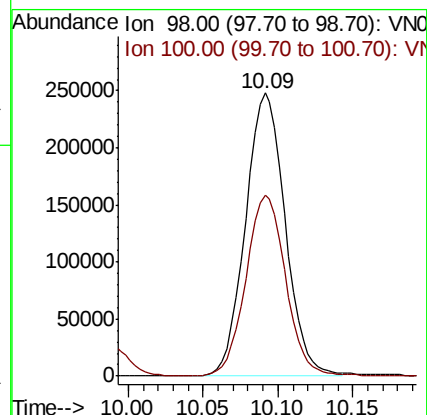
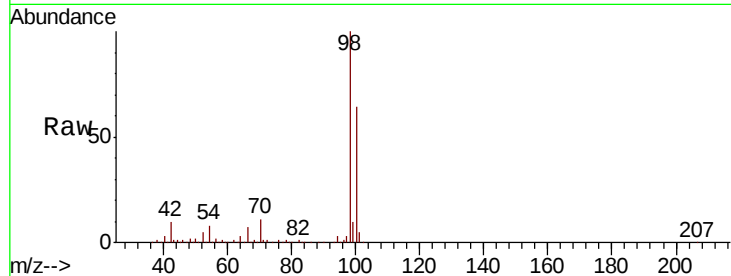
VSTDCCC020EC

Tot Ion: 98 Resp: 458930

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#64

Chlorobenzene

Concen: 19.377 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051624.D

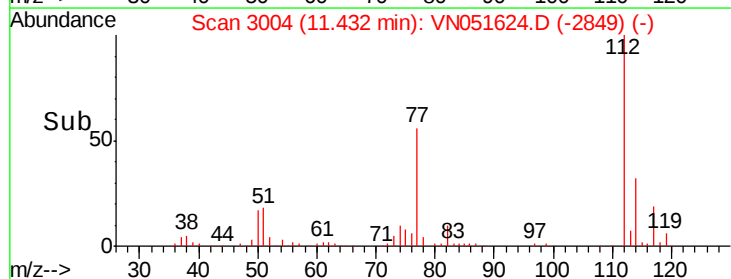
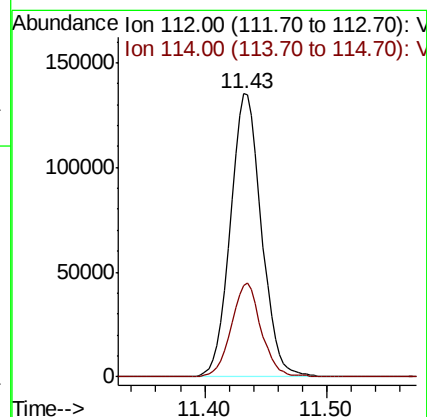
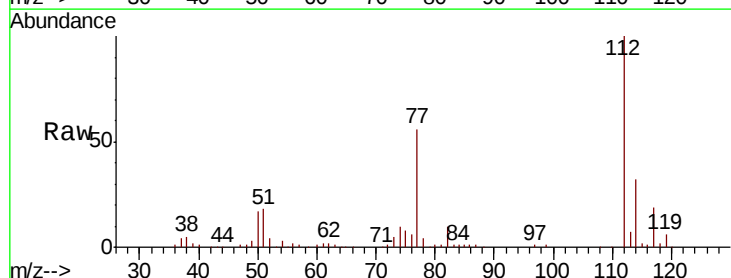
Acq: 28 Sep 2018 19:12

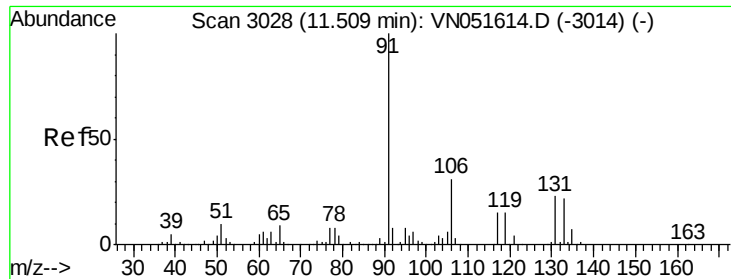
Tgt Ion: 112 Resp: 240870

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 21.228 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

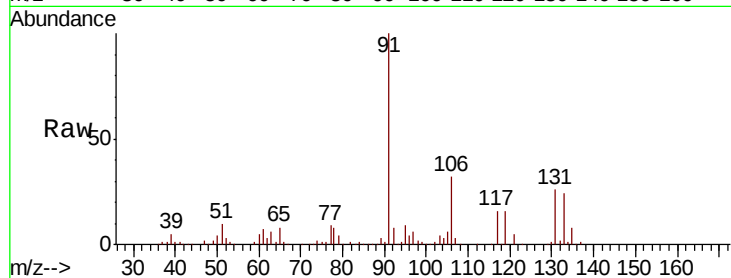
Tot Ion:131 Resp: 100764

Ion Ratio Lower Upper

131 100

133 94.8 0.0 193.0

119 62.3 0.0 135.0

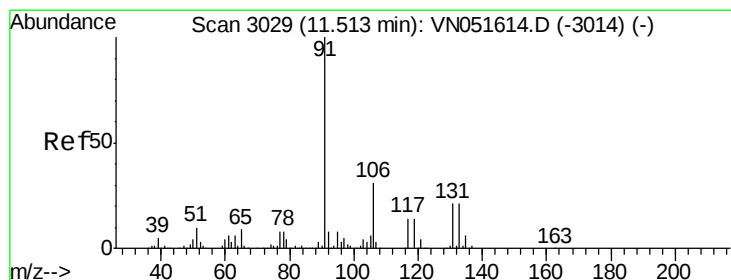
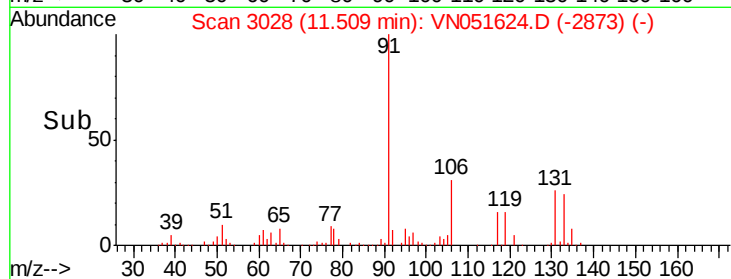
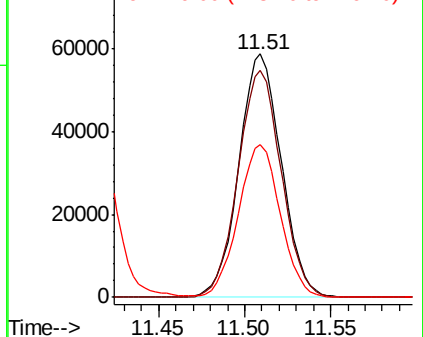


Abundance

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: 18.667 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051624.D

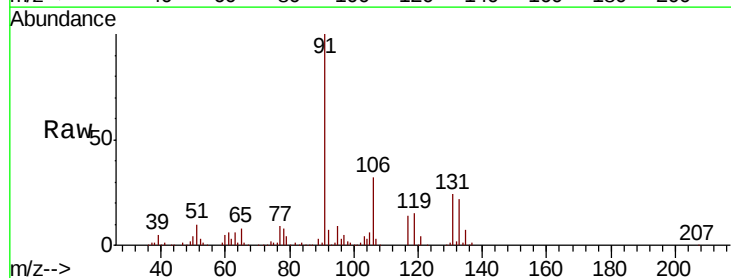
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 392798

Ion Ratio Lower Upper

91 100

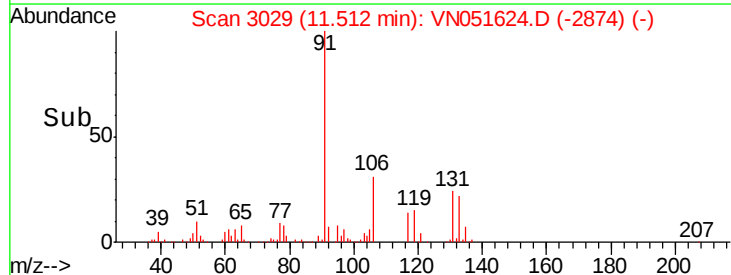
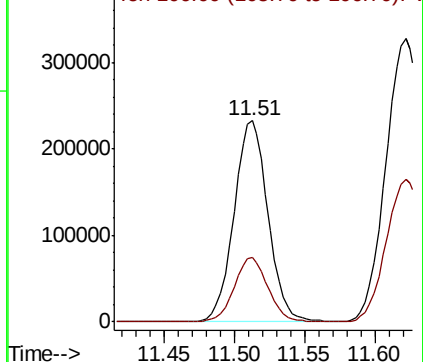
106 32.0 25.0 37.4

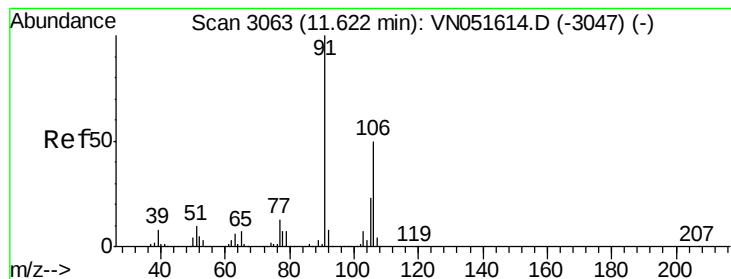


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.155 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

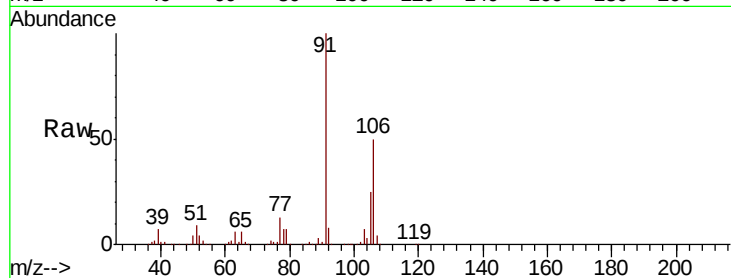
VSTDCCC020EC

Tot Ion:106 Resp: 317535

Ion Ratio Lower Upper

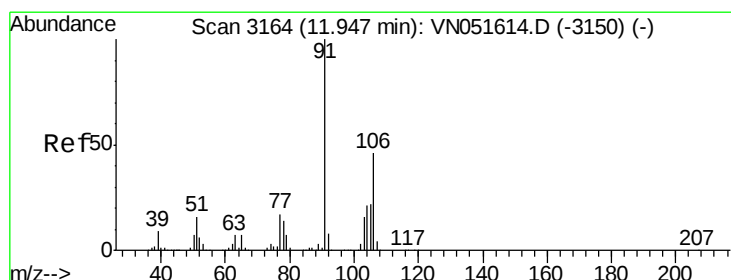
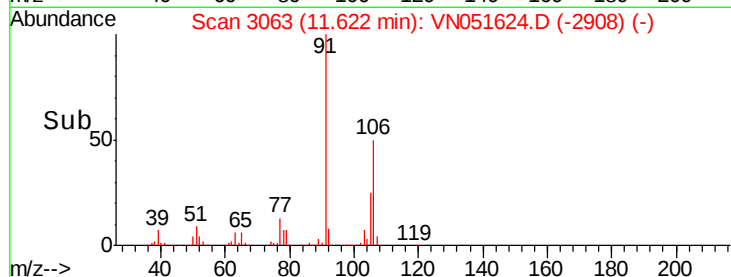
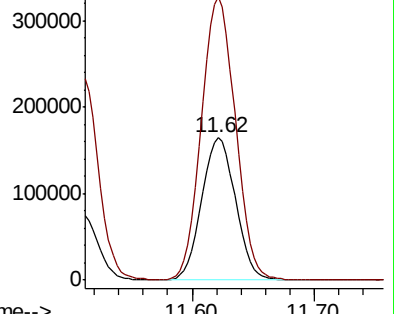
106 100

91 200.2 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.466 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051624.D

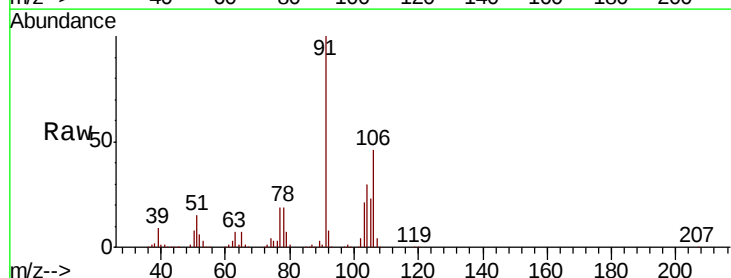
Acq: 28 Sep 2018 19:12

Tgt Ion:106 Resp: 150698

Ion Ratio Lower Upper

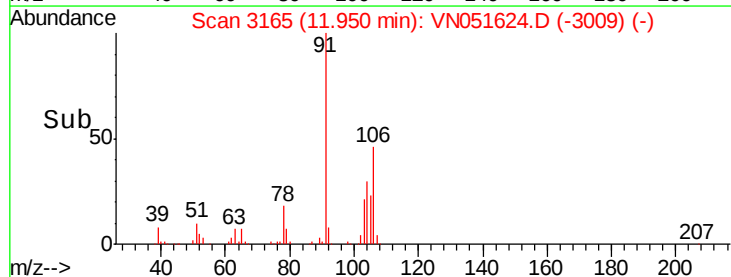
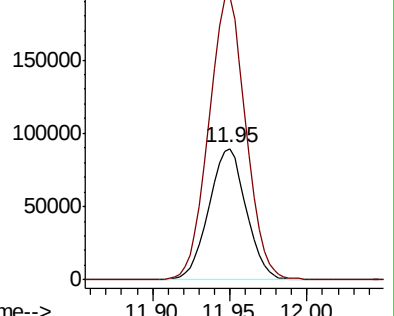
106 100

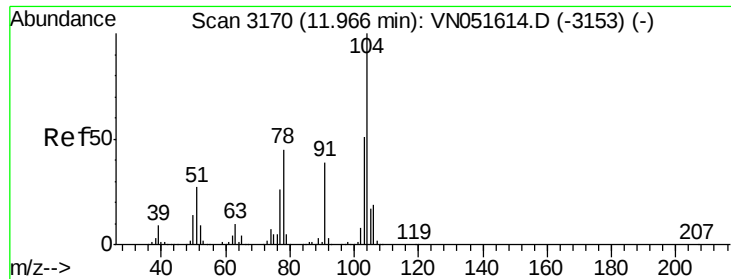
91 214.3 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

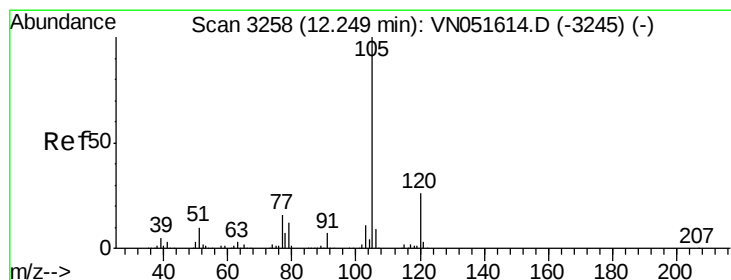
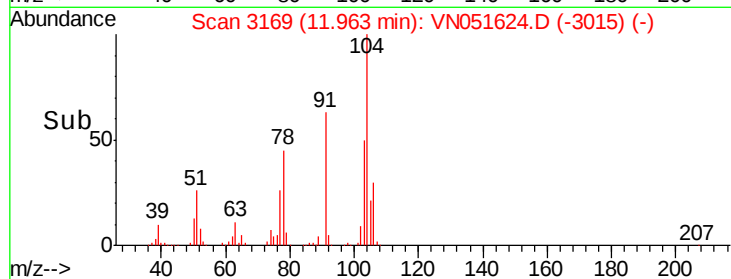
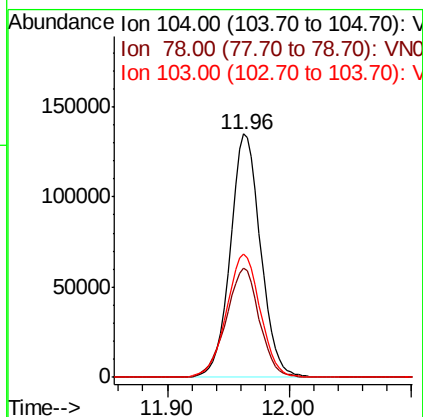
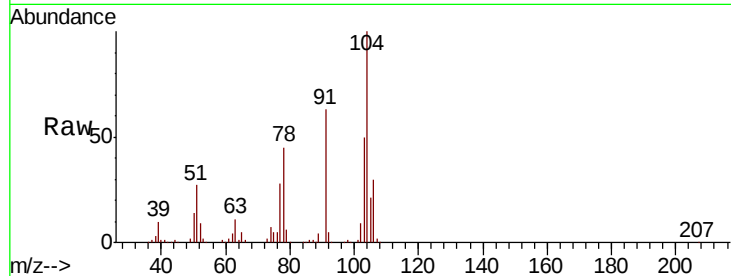




#69
Stvrene
Concen: 19.200 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

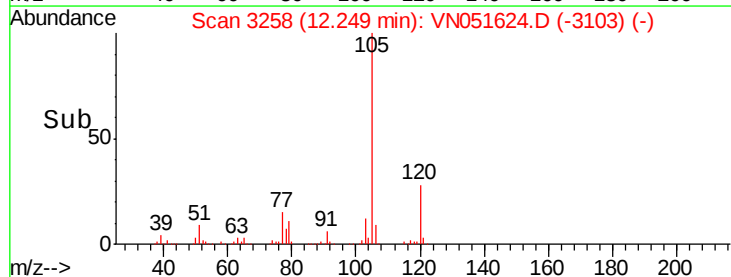
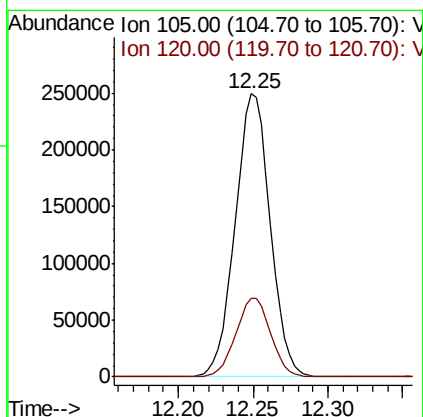
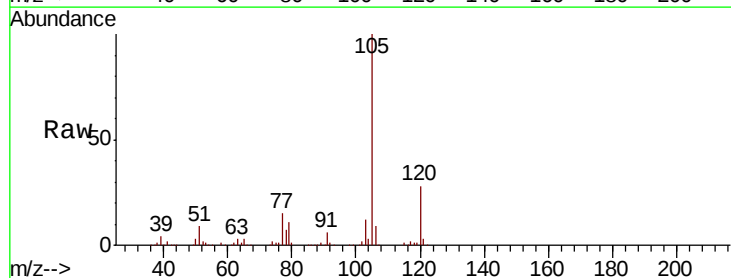
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

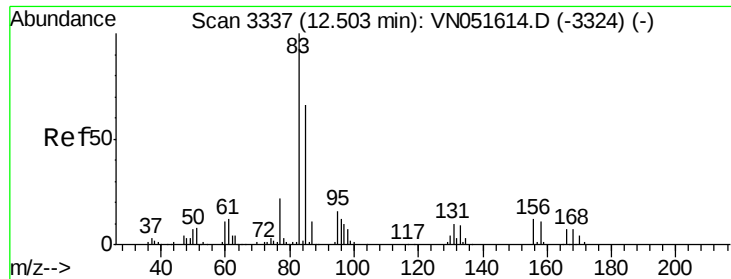
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.3	60.5
103	56.4	45.7	68.5



#70
Isopropylbenzene
Concen: 19.672 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 18.080 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

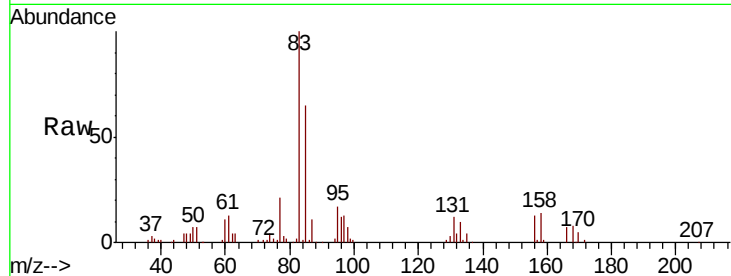
Tot Ion: 83 Resp: 90328

Ion Ratio Lower Upper

83 100

131 11.9 5.2 15.6

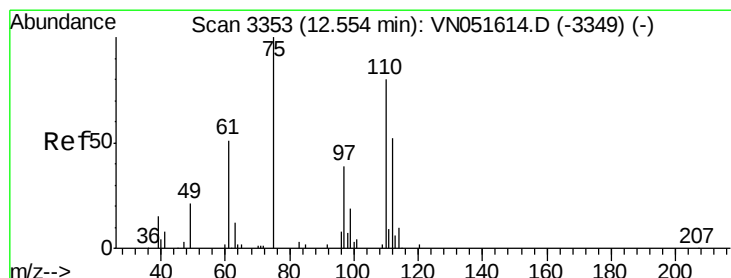
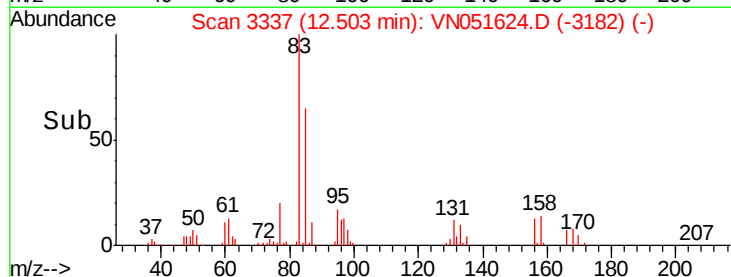
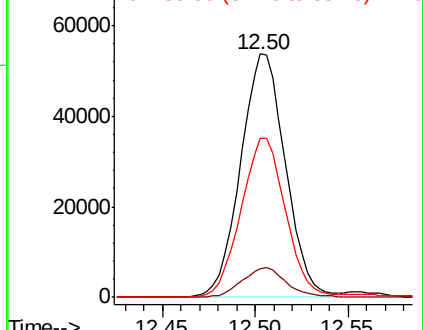
85 65.2 32.0 96.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.987 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051624.D

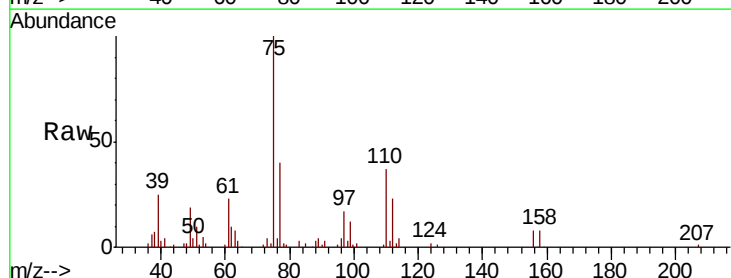
Acq: 28 Sep 2018 19:12

Tgt Ion: 75 Resp: 111004

Ion Ratio Lower Upper

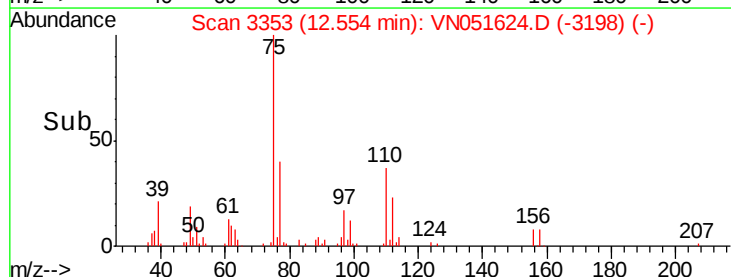
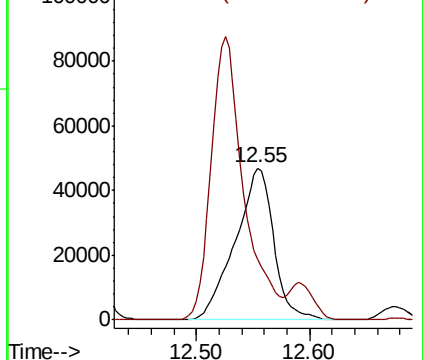
75 100

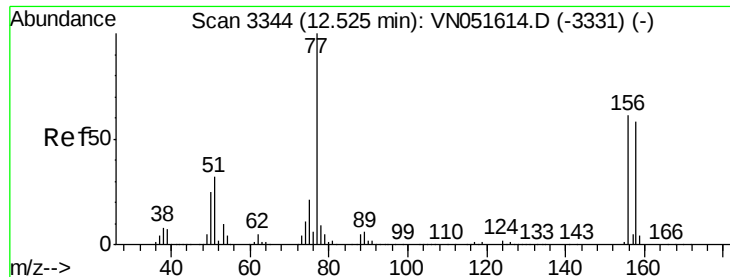
77 158.1 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.170 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

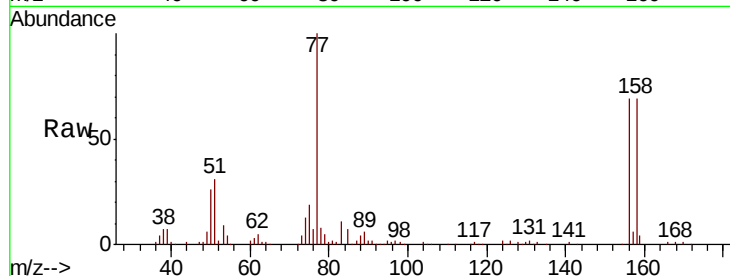
Tot Ion:156 Resp: 103655

Ion Ratio Lower Upper

156 100

77 169.3 0.0 385.2

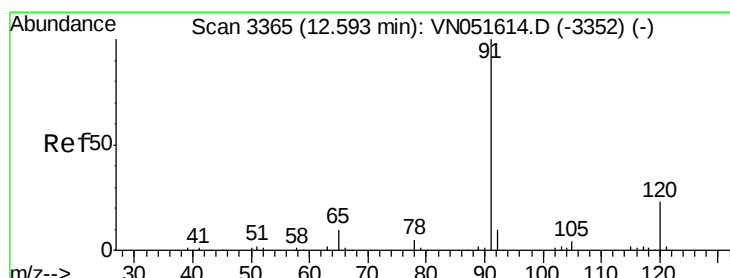
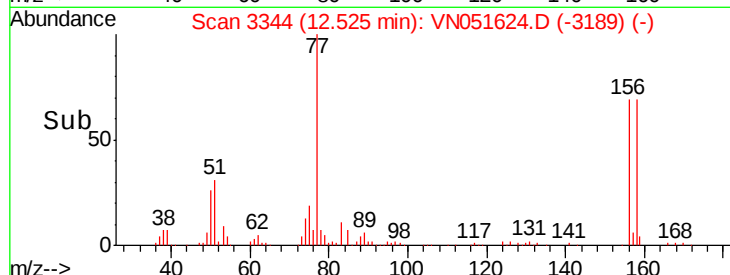
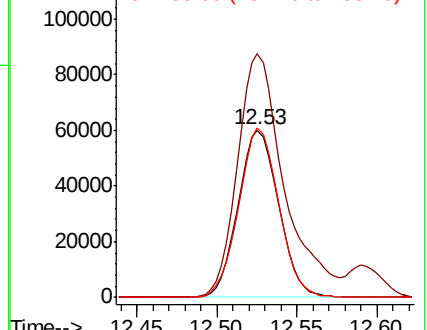
158 99.7 0.0 195.6



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: 18.345 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051624.D

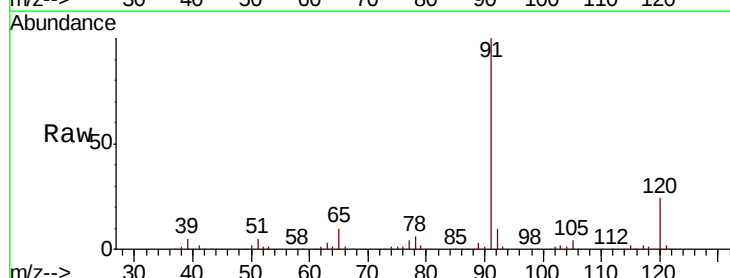
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 441004

Ion Ratio Lower Upper

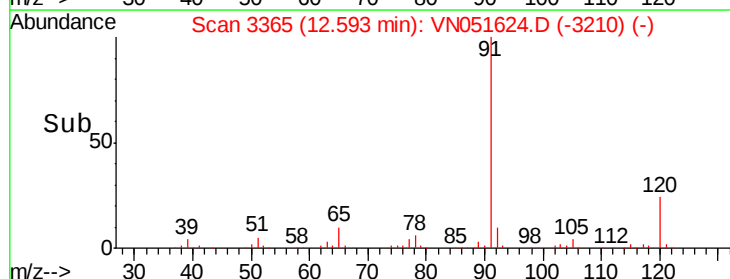
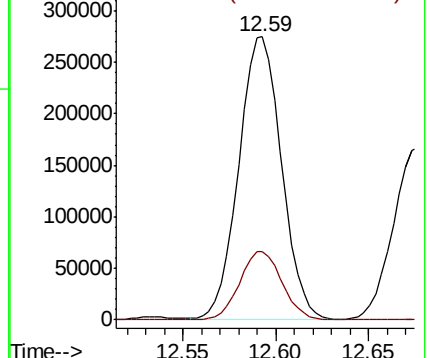
91 100

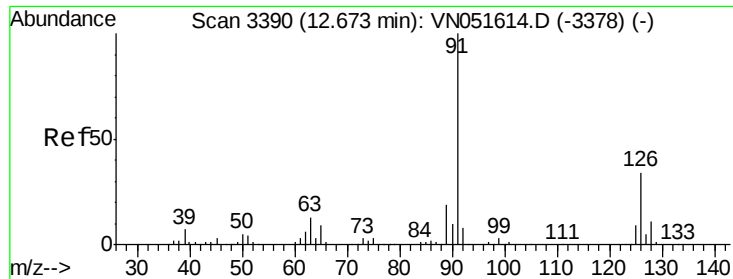
120 24.0 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.080 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

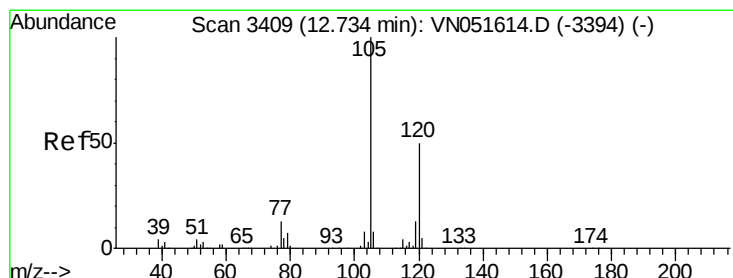
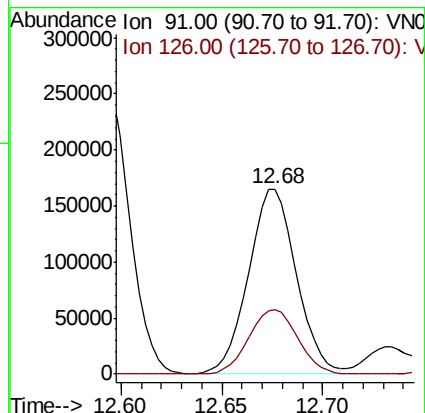
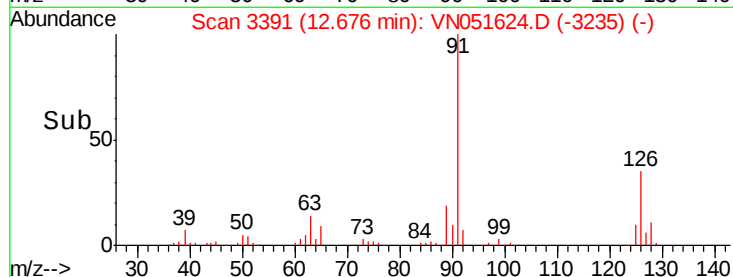
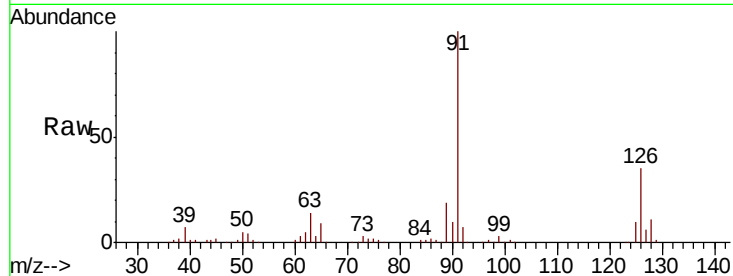
VSTDCCC020EC

Tot Ion: 91 Resp: 273899

Ion Ratio Lower Upper

91 100

126 35.8 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 19.920 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051624.D

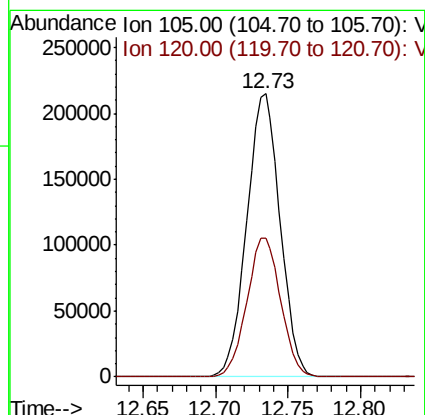
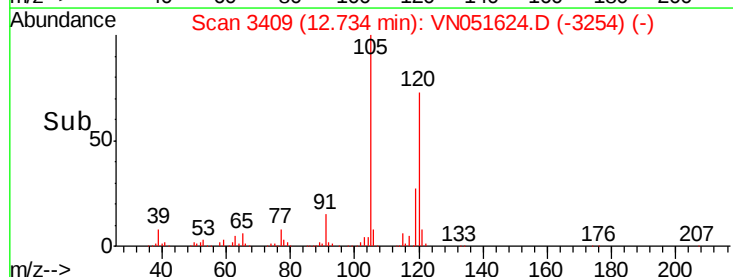
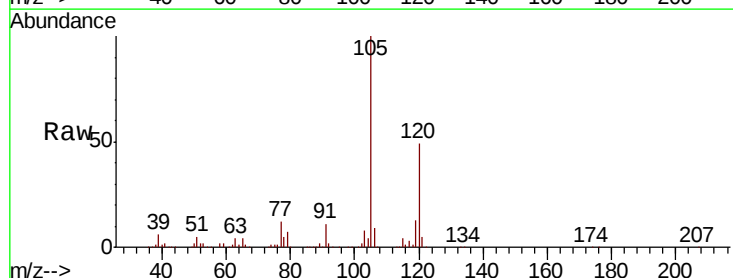
Acq: 28 Sep 2018 19:12

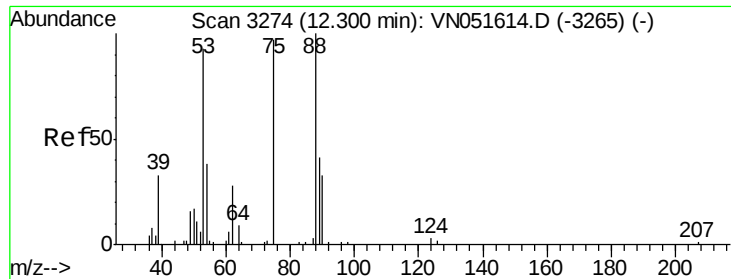
Tgt Ion:105 Resp: 343723

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.130 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

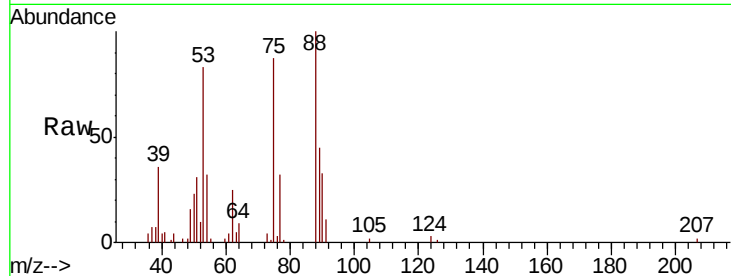
Tot Ion: 75 Resp: 21821

Ion Ratio Lower Upper

75 100

53 94.8 48.1 144.4

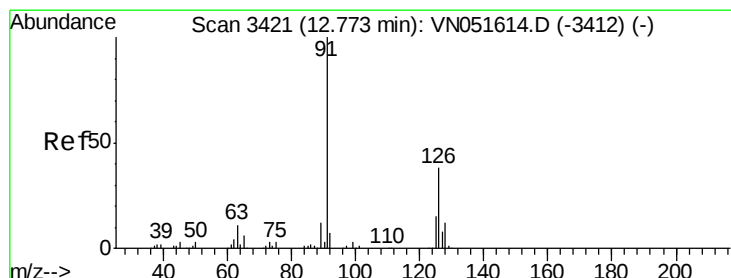
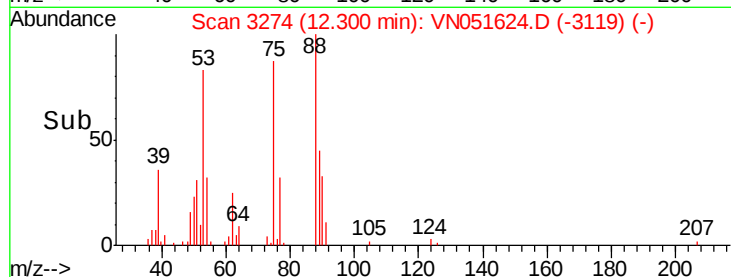
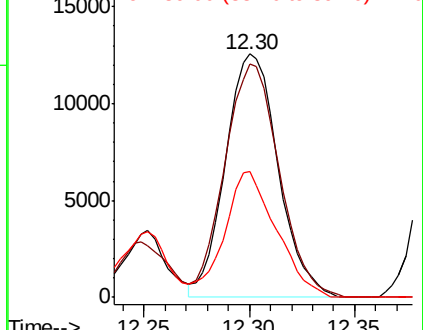
89 51.5 22.4 67.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.560 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051624.D

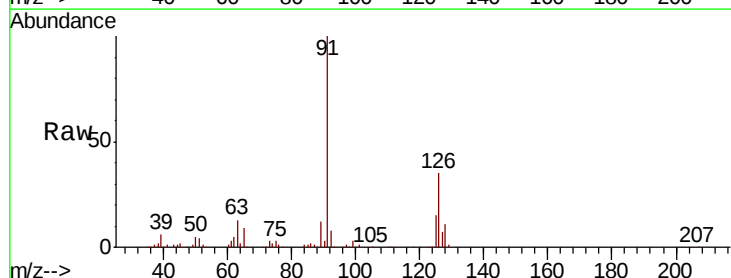
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 263181

Ion Ratio Lower Upper

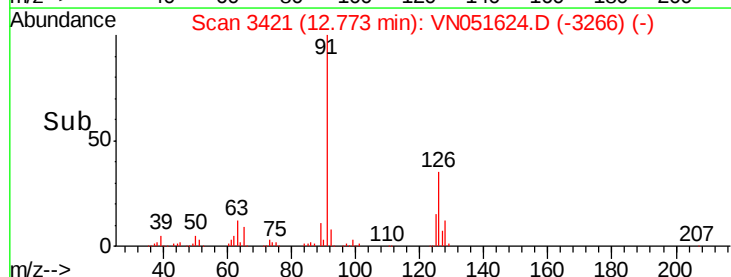
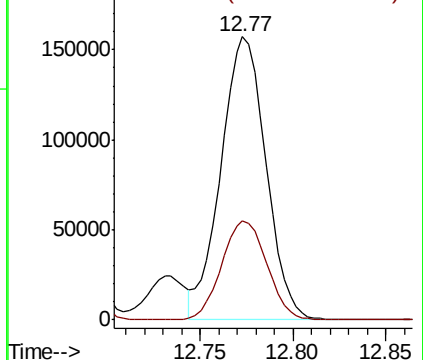
91 100

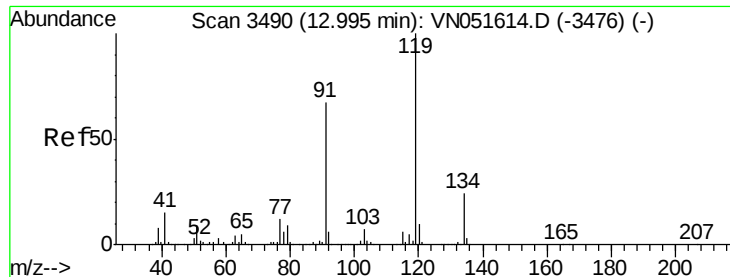
126 35.2 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

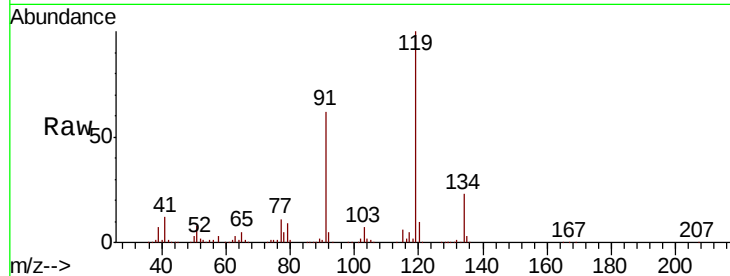




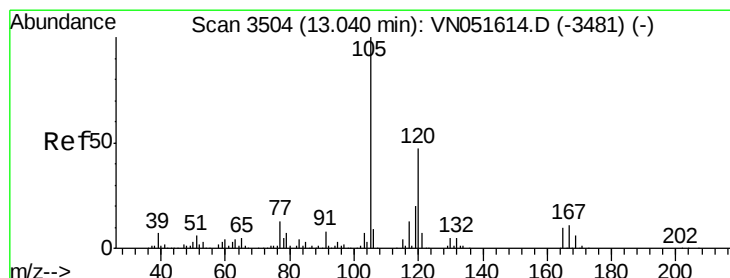
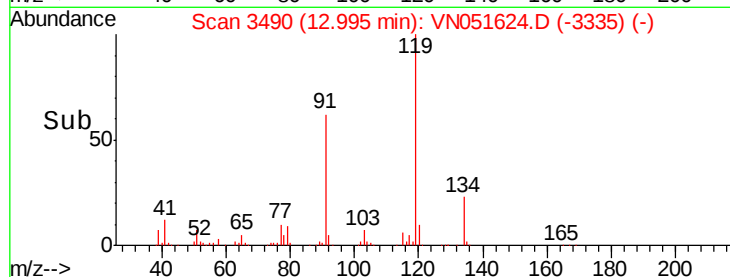
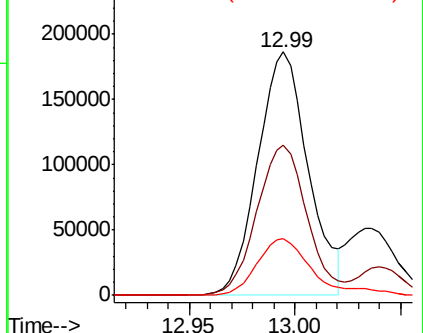
#79
tert-butylbenzene
Concen: 20.818 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	0.0	132.4
134	23.9	0.0	48.4

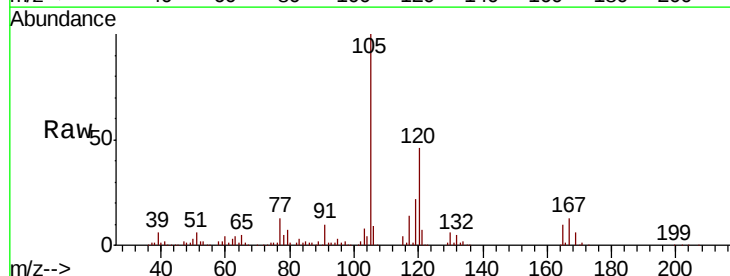


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

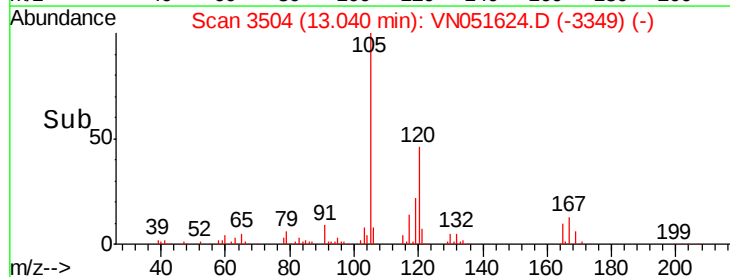
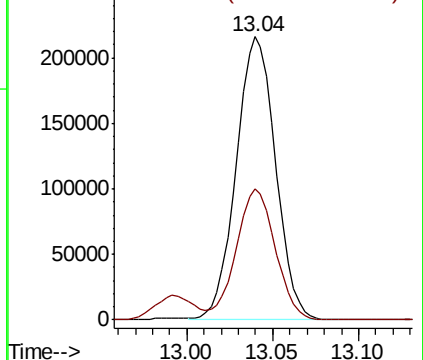


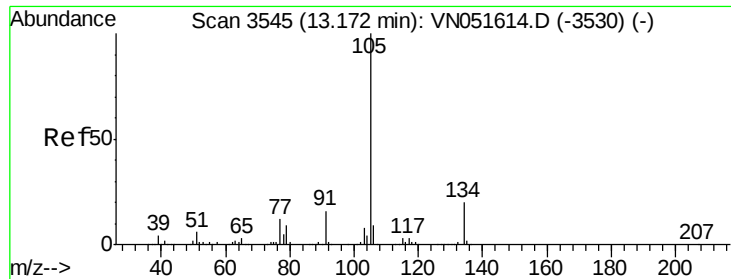
#80
1,2,4-Trimethylbenzene
Concen: 19.991 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.6



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





#81

sec-Butylbenzene

Concen: 19.335 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

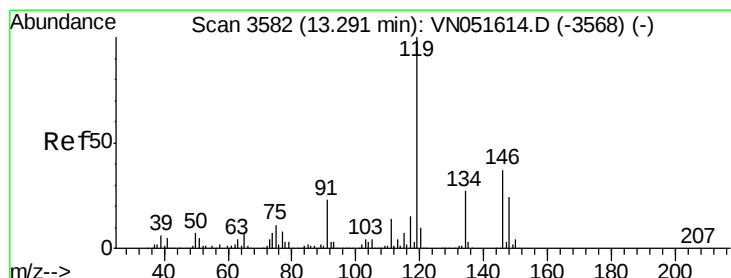
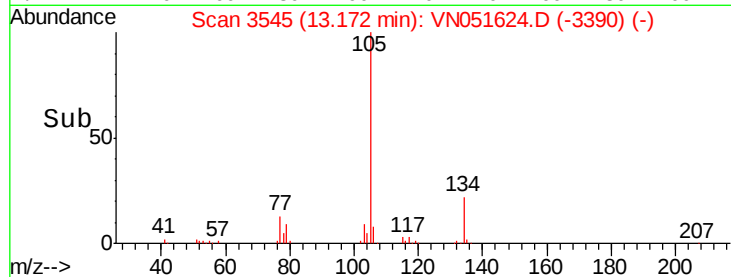
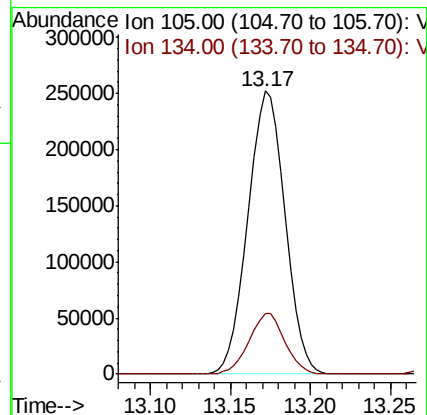
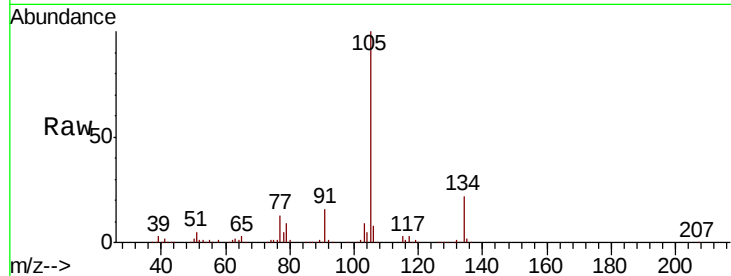
VSTDCCC020EC

Tot Ion:105 Resp: 399264

Ion Ratio Lower Upper

105 100

134 20.7 0.0 39.8



#82

p-Isopropyltoluene

Concen: 19.707 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

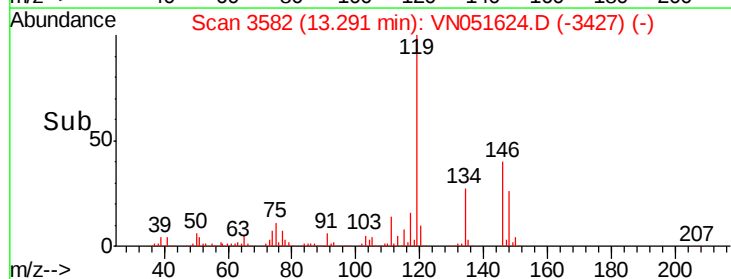
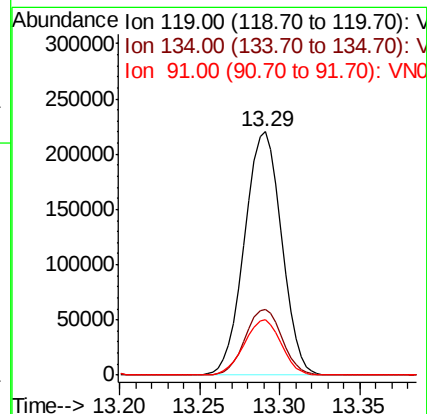
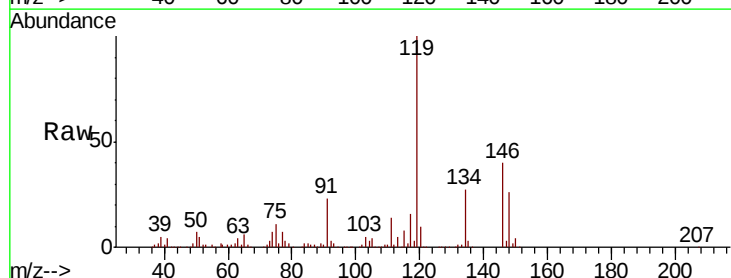
Tgt Ion:119 Resp: 347816

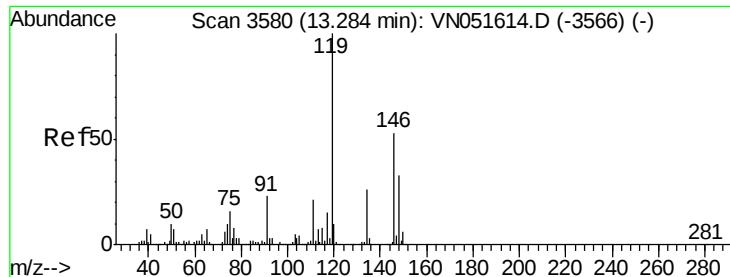
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 22.7 0.0 46.0

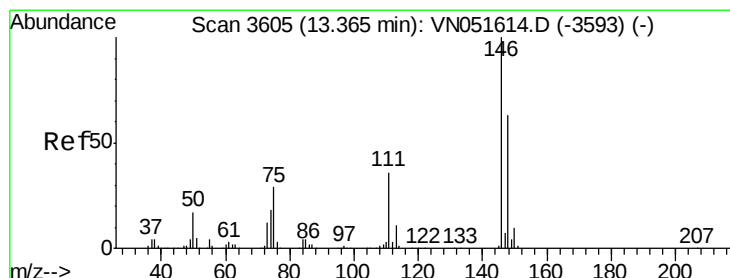
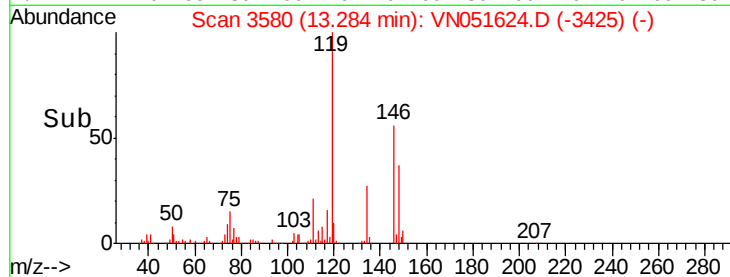
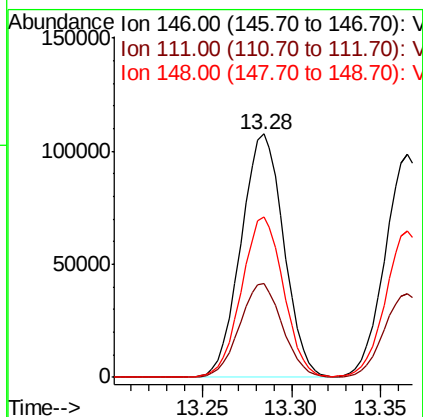
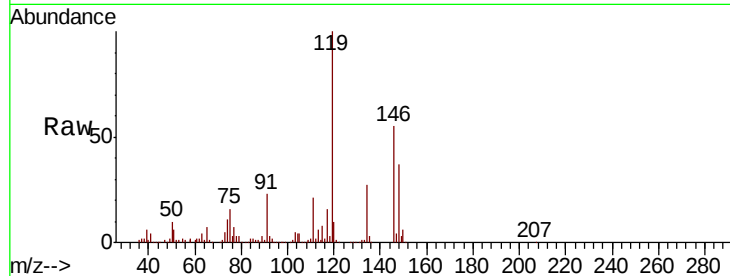




#83
 1,3-Dichlorobenzene
 Concen: 20.126 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

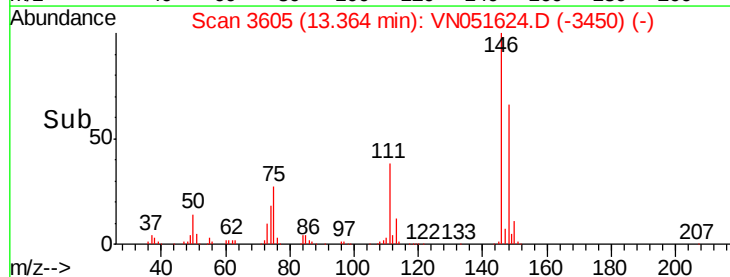
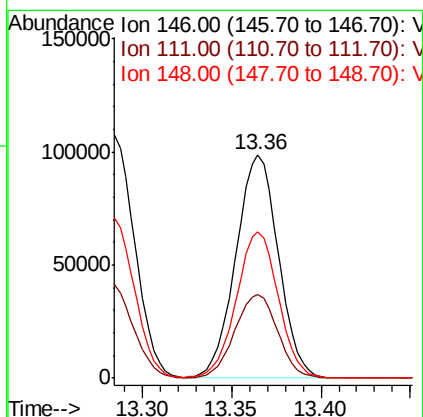
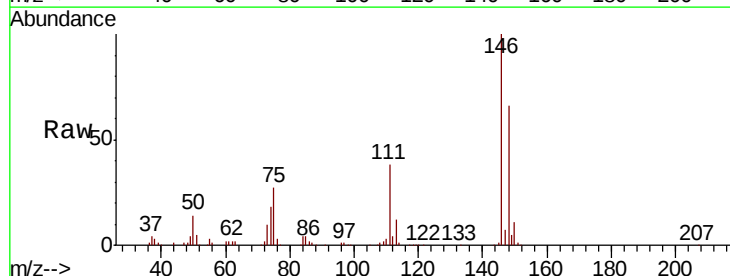
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

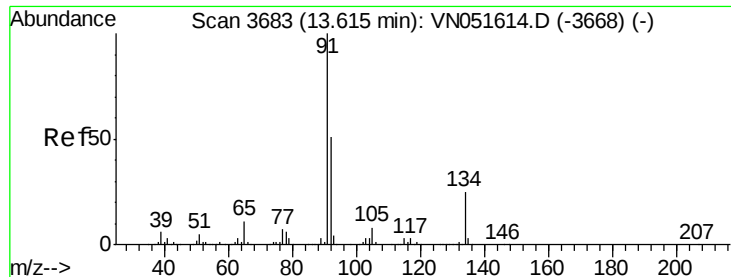
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.6	32.4	97.2



#84
 1,4-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.7	32.1	96.5

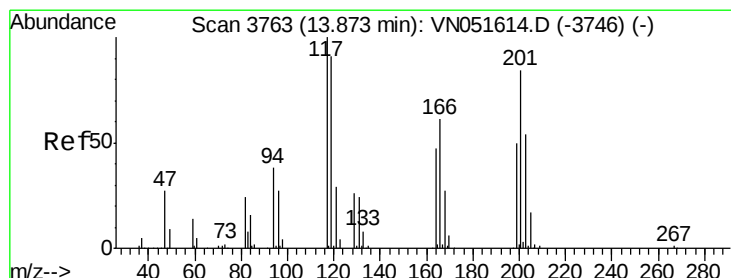
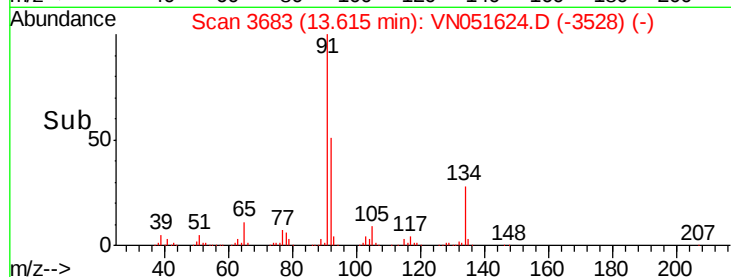
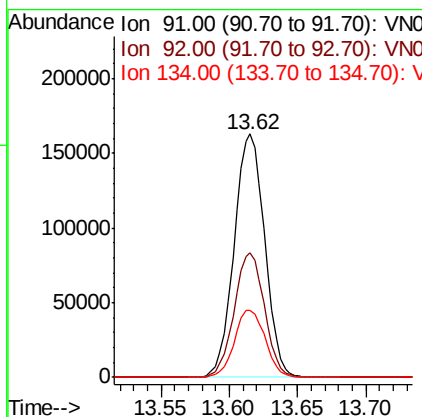
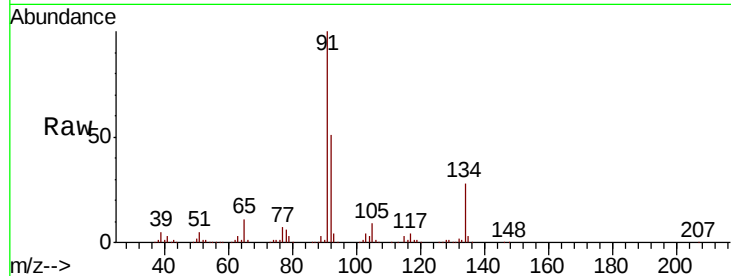




#85
n-Butylbenzene
Concen: 17.483 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

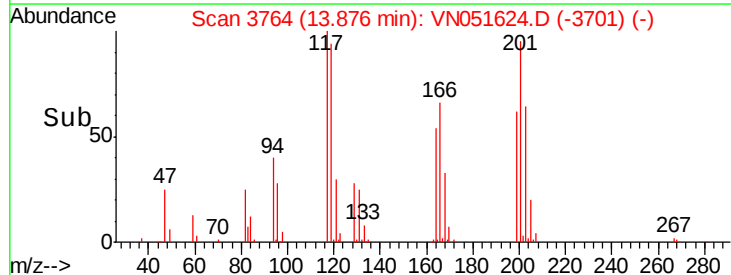
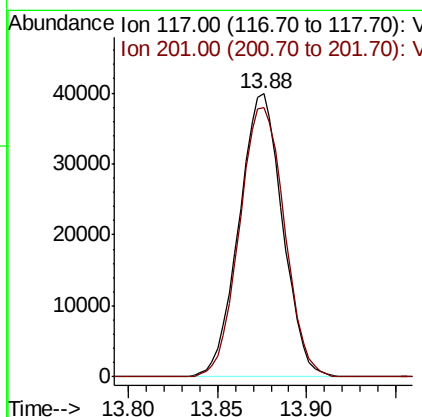
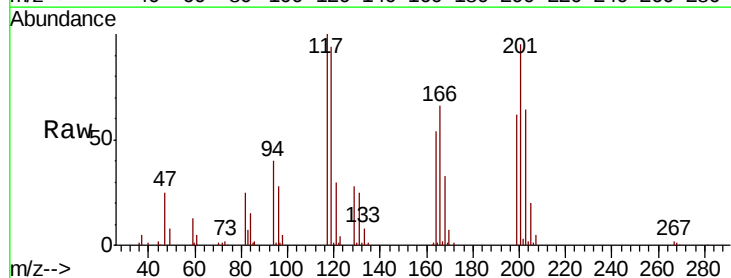
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

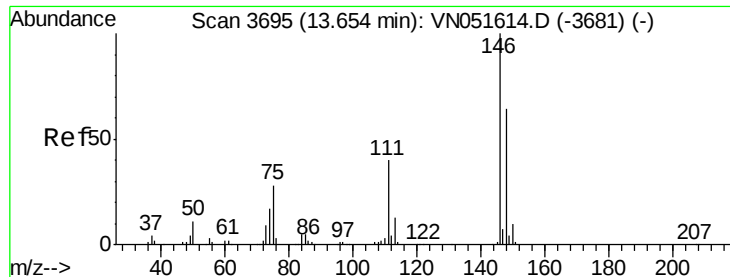
Tot Ion: 91 Resp: 253277
Ion Ratio Lower Upper
91 100
92 50.7 0.0 101.6
134 27.8 0.0 50.6



#86
Hexachloroethane
Concen: 19.227 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 117 Resp: 67872
Ion Ratio Lower Upper
117 100
201 98.4 42.9 128.5





#87

1,2-Dichlorobenzene

Concen: 20.502 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

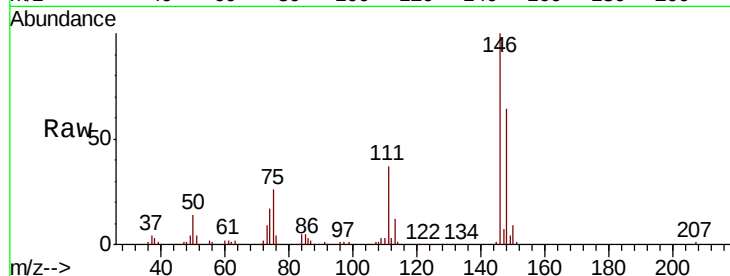
Tot Ion:146 Resp: 179596

Ion Ratio Lower Upper

146 100

111 38.6 20.1 60.3

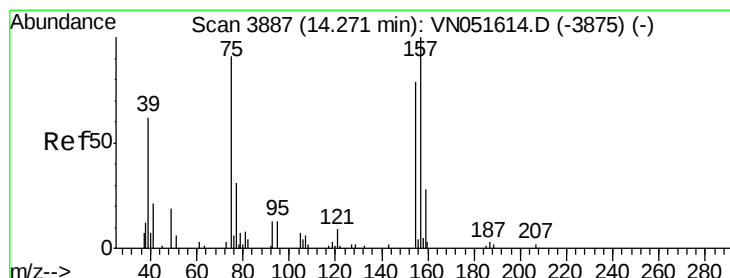
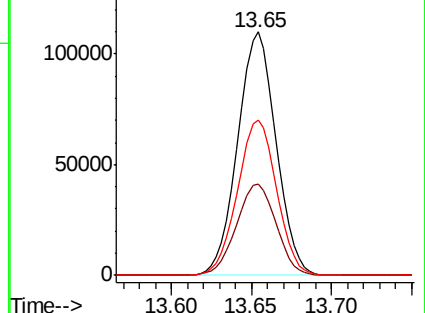
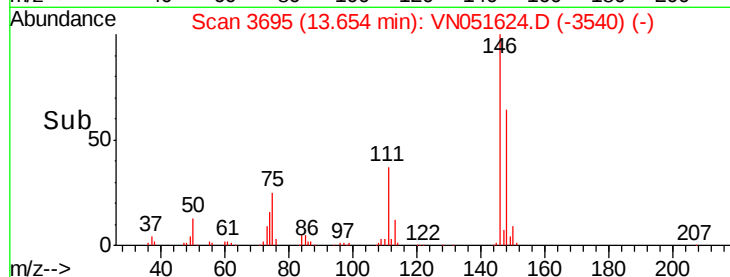
148 65.0 32.1 96.5



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: 22.484 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

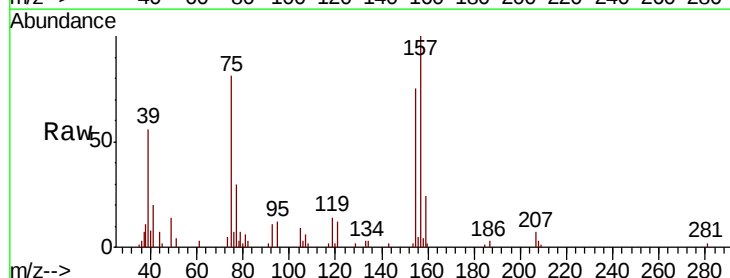
Tgt Ion: 75 Resp: 16372

Ion Ratio Lower Upper

75 100

155 94.1 67.1 100.7

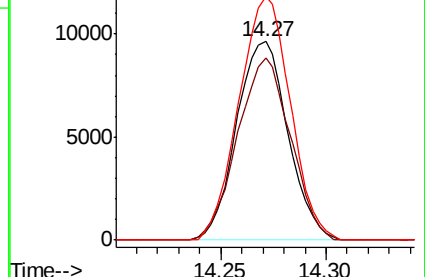
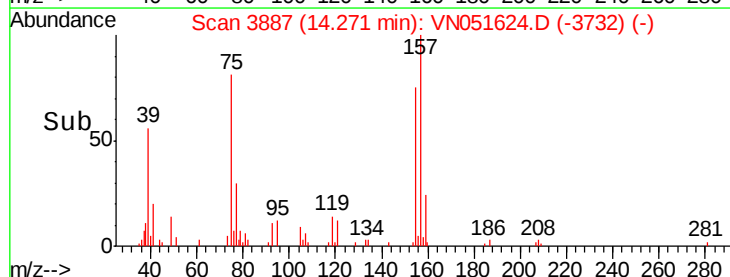
157 122.3 85.8 128.6

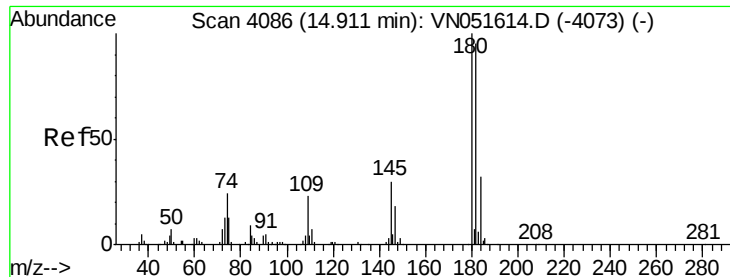


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

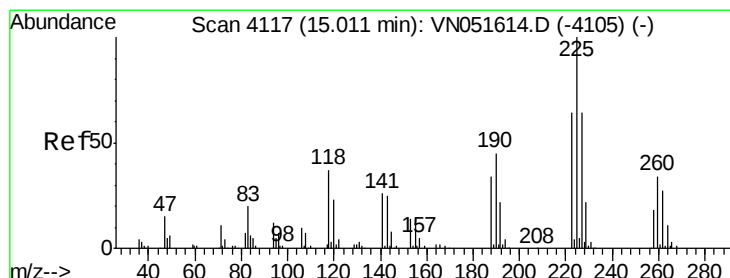
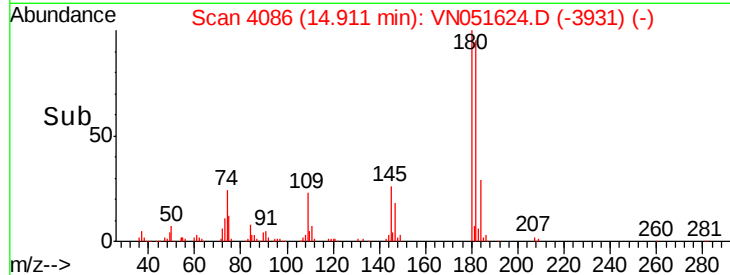
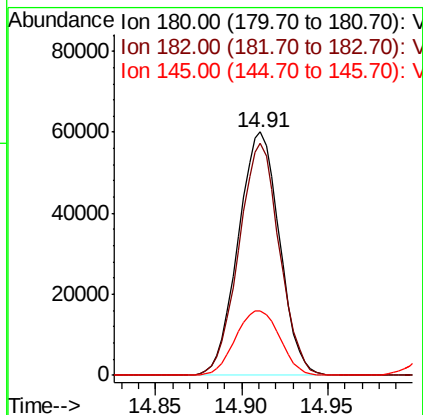
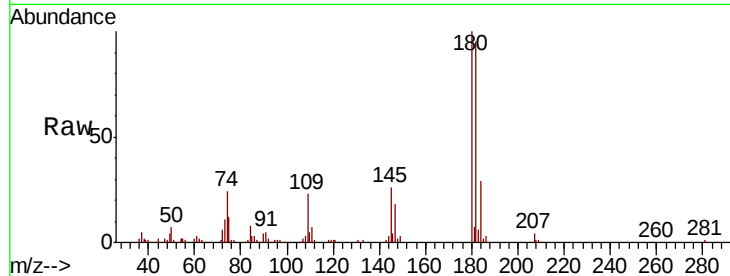




#89
 1,2,4-Trichlorobenzene
 Concen: 24.435 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

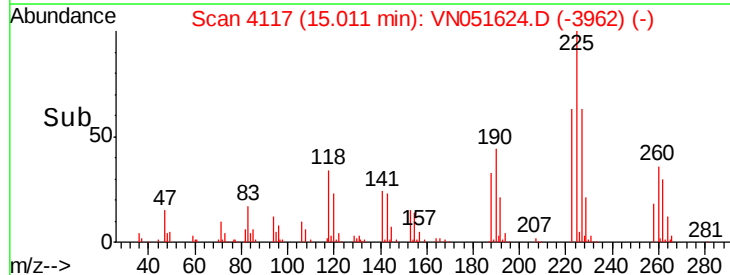
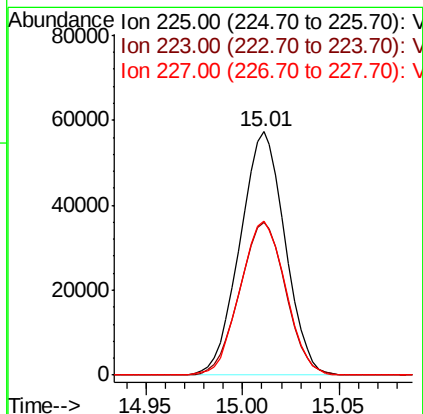
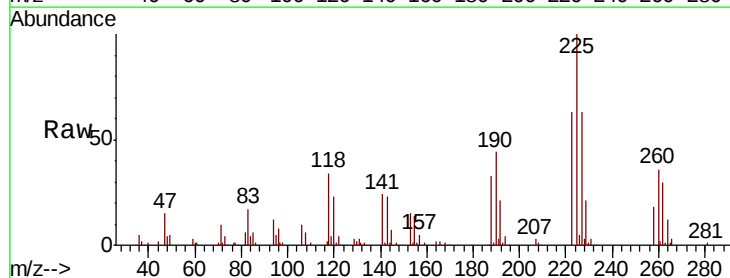
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

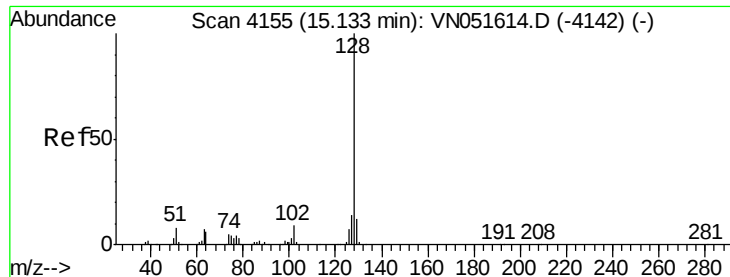
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.2	112.8
145	28.5	22.9	34.3



#90
 Hexachlorobutadiene
 Concen: 27.736 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	0.0	131.0
227	64.2	0.0	129.0





#91

Naphthalene

Concen: 22.287 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

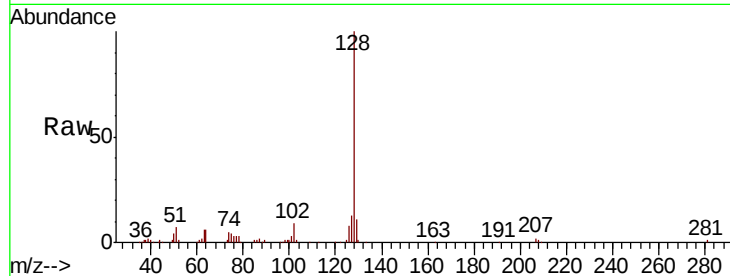
Tot Ion:128 Resp: 168834

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.8 9.1 13.7

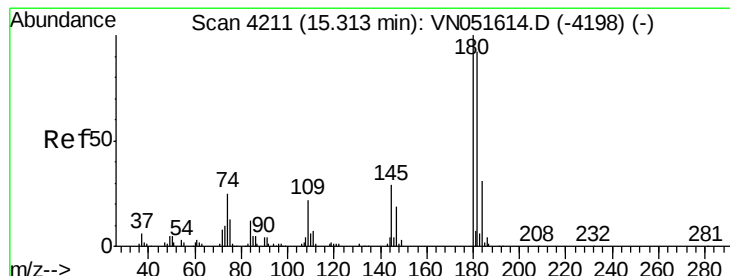
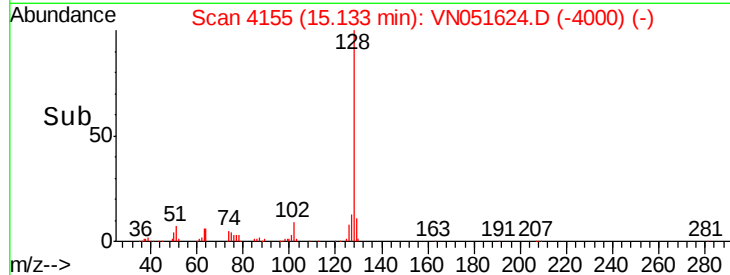
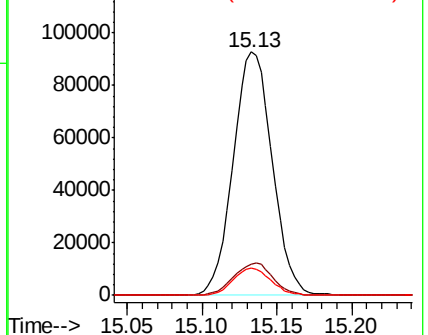


Abundance

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: 24.555 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

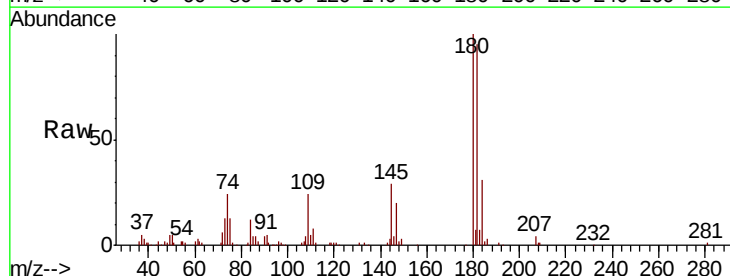
Tgt Ion:180 Resp: 101255

Ion Ratio Lower Upper

180 100

182 97.5 0.0 191.8

145 29.8 0.0 60.4



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

