

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102318\
 Data File : VN051962.D
 Acq On : 23 Oct 2018 14:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 24 04:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1072570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1582078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1492058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	855733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	493262	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	512814	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1864924	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	653210	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	331529	48.708	ug/l	100
3) Chloromethane	2.06	50	299590	48.885	ug/l	100
4) Vinyl Chloride	2.19	62	402100	48.949	ug/l	100
5) Bromomethane	2.57	94	407758	51.844	ug/l	100
6) Chloroethane	2.71	64	302061	49.529	ug/l	100
7) Trichlorofluoromethane	3.02	101	721718	49.308	ug/l	100
8) Diethyl Ether	3.41	74	219817	50.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	430829	49.135	ug/l	100
10) Methyl Iodide	3.96	142	671250	51.743	ug/l	100
11) Tert butyl alcohol	4.78	59	125359	252.127	ug/l	100
12) 1,1-Dichloroethene	3.74	96	398117	50.700	ug/l	100
13) Acrolein	3.61	56	66512	269.095	ug/l	100
14) Allyl chloride	4.33	41	420301	56.171	ug/l	100
15) Acrylonitrile	4.99	53	542829	267.352	ug/l	100
16) Acetone	3.82	43	391187	248.555	ug/l	100
17) Carbon Disulfide	4.06	76	948434	50.812	ug/l	100
18) Methyl Acetate	4.33	43	249293	46.945	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1085160	51.473	ug/l	100
20) Methylene Chloride	4.56	84	452154	48.973	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	452629	50.897	ug/l	100
22) Diisopropyl ether	5.95	45	976465	52.530	ug/l	100
23) Vinyl Acetate	5.90	43	3414873	264.063	ug/l	100
24) 1,1-Dichloroethane	5.86	63	704808	50.782	ug/l	100
25) 2-Butanone	6.84	43	596409	265.818	ug/l	100
26) 2,2-Dichloropropane	6.83	77	663195	52.227	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	532761	51.509	ug/l	100
28) Bromochloromethane	7.20	49	301511	53.902	ug/l	100
29) Tetrahydrofuran	7.21	42	373681	245.818	ug/l	100
30) Chloroform	7.38	83	865802	51.088	ug/l	100
31) Cyclohexane	7.66	56	578891	38.719	ug/l	100
32) 1,1,1-Trichloroethane	7.58	97	804370	51.905	ug/l	100
36) 1,1-Dichloropropene	7.80	75	612886	50.502	ug/l	100
37) Ethyl Acetate	6.93	43	282315	53.040	ug/l	100
38) Carbon Tetrachloride	7.78	117	723253	51.912	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	757031	51.073	ug/l	100
40) Benzene	8.05	78	1846386	51.241	ug/l	100
41) Methacrylonitrile	7.18	41	134542	49.335	ug/l	100
42) 1,2-Dichloroethane	8.13	62	583589	50.513	ug/l	100
43) Isopropyl Acetate	8.17	43	524983	51.653	ug/l	100
44) Trichloroethene	8.84	130	580649	50.204	ug/l	100
45) 1,2-Dichloropropane	9.12	63	420070	51.535	ug/l	100
46) Dibromomethane	9.21	93	335265	51.024	ug/l	100
47) Bromodichloromethane	9.41	83	648344	52.246	ug/l	100
48) Methyl methacrylate	9.20	41	252259	51.350	ug/l	100
49) 1,4-Dioxane	9.20	88	100456	1115.202	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1442184	257.966	ug/l	100
52) Toluene	10.16	92	1279543	52.366	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	628209	55.252	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	699271	53.913	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	465807	51.596	ug/l	100
56) Ethyl methacrylate	10.43	69	519597	53.542	ug/l	100
57) 1,3-Dichloropropane	10.71	76	697904	50.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1339215	263.740	ug/l	100
59) 2-Hexanone	10.75	43	997972	265.680	ug/l	100
60) Dibromochloromethane	10.90	129	555416	54.898	ug/l	100
61) 1,2-Dibromoethane	11.01	107	505779	53.134	ug/l	100
64) Tetrachloroethene	10.63	164	558432	48.763	ug/l	100
65) Chlorobenzene	11.43	112	1529264	50.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	571451	52.775	ug/l	100
67) Ethyl Benzene	11.51	91	2496448	51.554	ug/l	100
68) m/p-Xylenes	11.62	106	2055143	106.223	ug/l	100
69) o-Xylene	11.95	106	994644	52.861	ug/l	100
70) Styrene	11.96	104	1613808	53.661	ug/l	100
71) Bromoform	12.13	173	362160	54.831	ug/l #	100
73) Isopropylbenzene	12.25	105	2698452	49.722	ug/l	100
74) N-amyl acetate	12.07	43	518040	48.496	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	547228	48.800	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	657049	75.395	ug/l #	100
77) Bromobenzene	12.53	156	737966	49.271	ug/l	100
78) n-propylbenzene	12.59	91	2926406	49.986	ug/l	100
79) 2-Chlorotoluene	12.67	91	1688339	49.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2235461	51.341	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131732	55.286	ug/l	100
82) 4-Chlorotoluene	12.77	91	1767097	50.062	ug/l	100
83) tert-Butylbenzene	12.99	119	2094597	50.862	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2303417	51.286	ug/l	100
85) sec-Butylbenzene	13.17	105	2743545	51.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	2503424	51.698	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1381782	50.021	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1391544	51.096	ug/l	100
89) n-Butylbenzene	13.61	91	1966885	51.011	ug/l	100
90) Hexachloroethane	13.88	117	376843	52.237	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1357116	50.783	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85146	49.453	ug/l	100

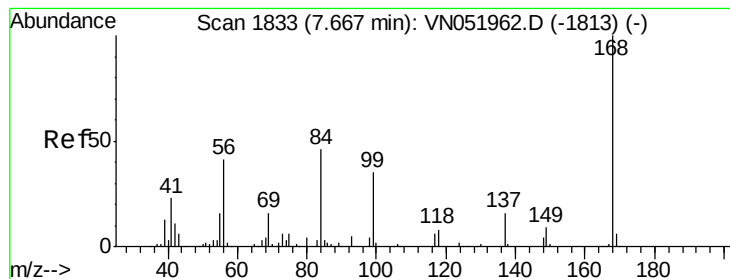
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789595	50.019	ug/l	100
94) Hexachlorobutadiene	15.01	225	383367	47.264	ug/l	100
95) Naphthalene	15.13	128	1815220	52.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	748860	49.630	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

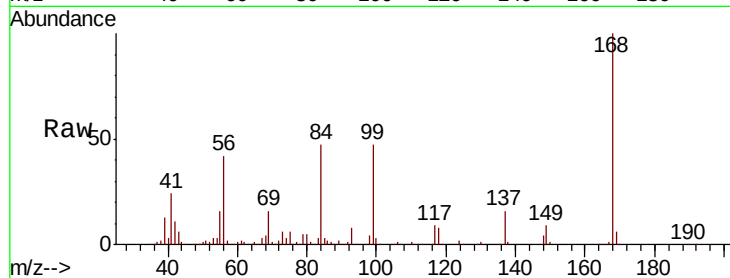
VSTDICCC050

Tgt Ion:168 Resp: 1072570

Ion Ratio Lower Upper

168 100

99 47.2 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

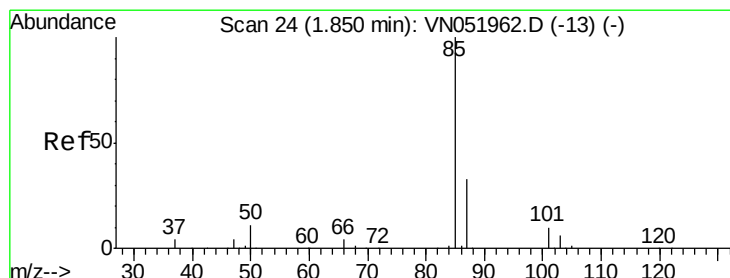
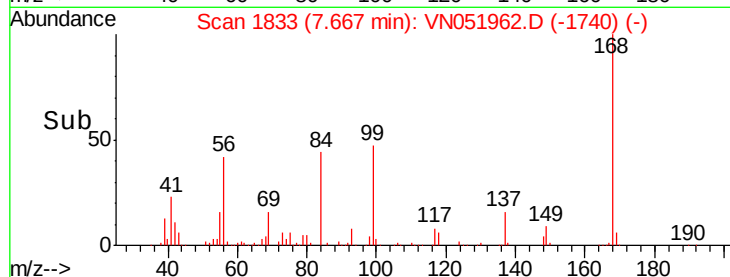
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.708 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051962.D

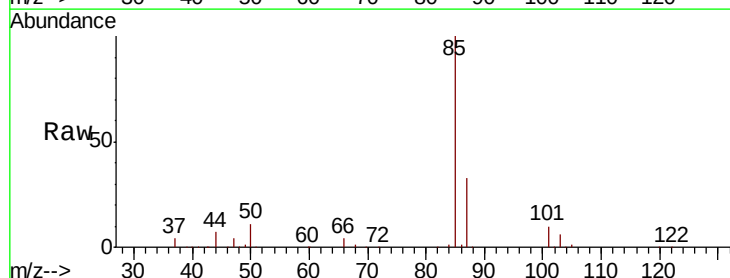
Acq: 23 Oct 2018 14:00

Tgt Ion: 85 Resp: 331529

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

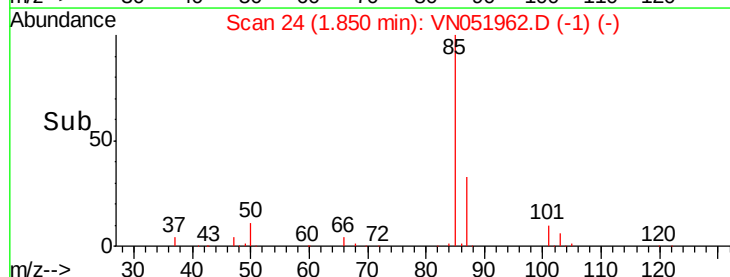
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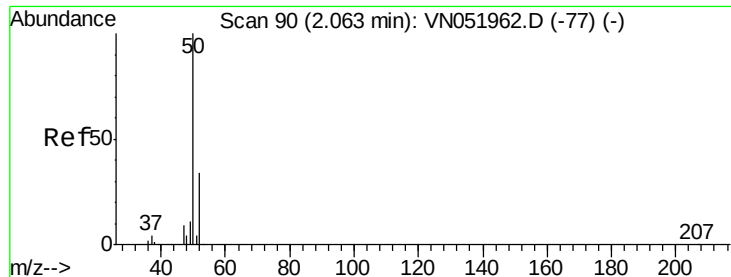
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.885 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

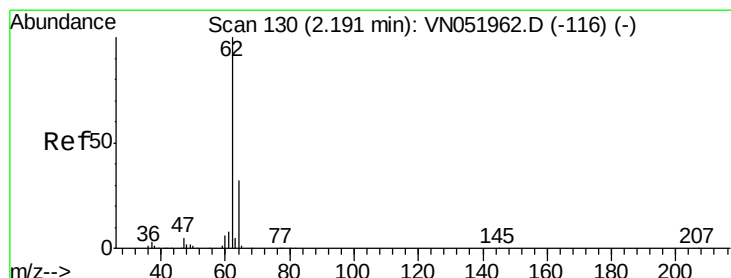
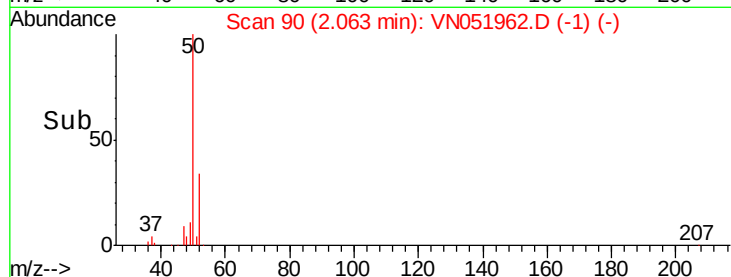
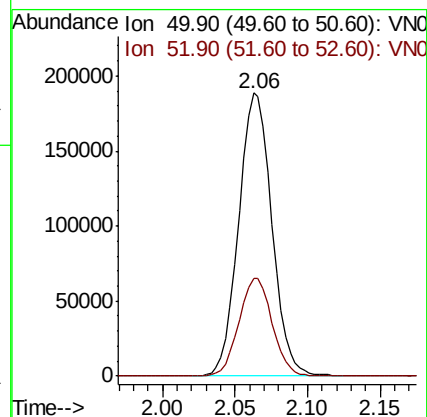
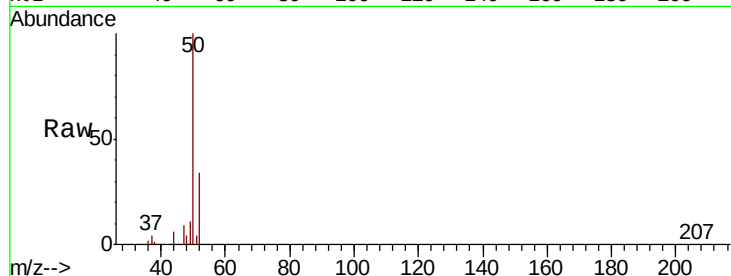
VSTDICCC050

Tgt Ion: 50 Resp: 299590

Ion Ratio Lower Upper

50 100

52 34.4 27.5 41.3



#4

Vinyl Chloride

Concen: 48.949 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051962.D

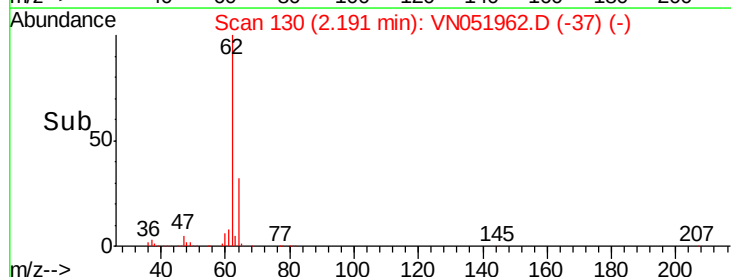
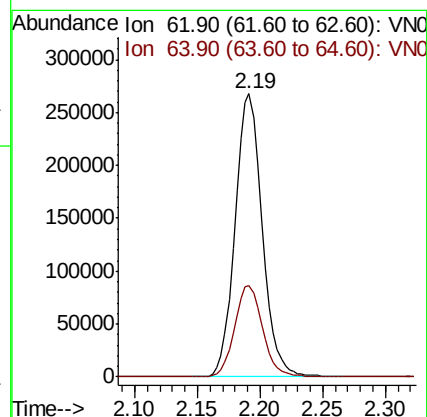
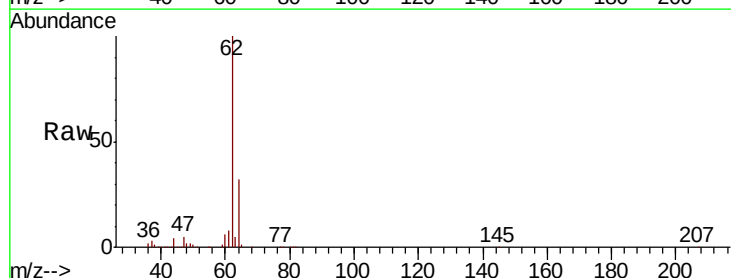
Acq: 23 Oct 2018 14:00

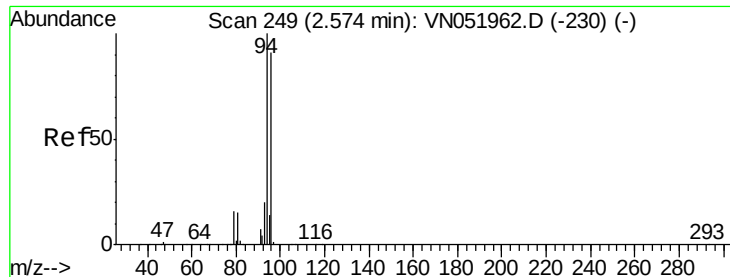
Tgt Ion: 62 Resp: 402100

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 51.844 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

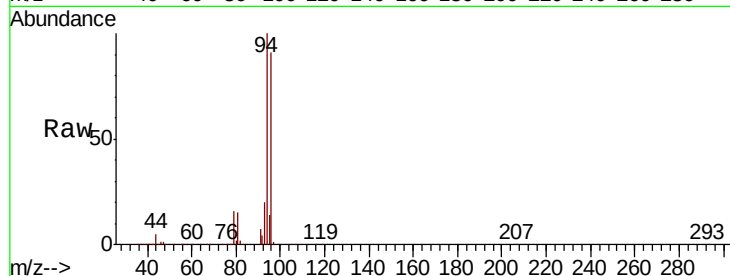
VSTDICCC050

Tgt Ion: 94 Resp: 407758

Ion Ratio Lower Upper

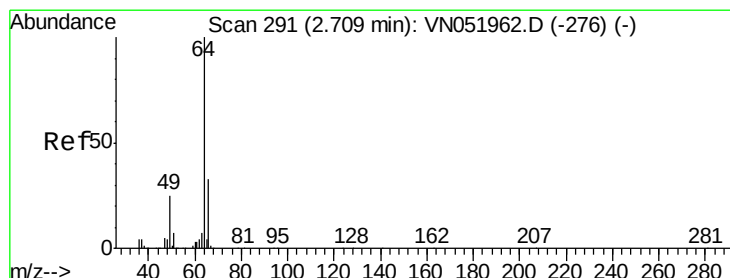
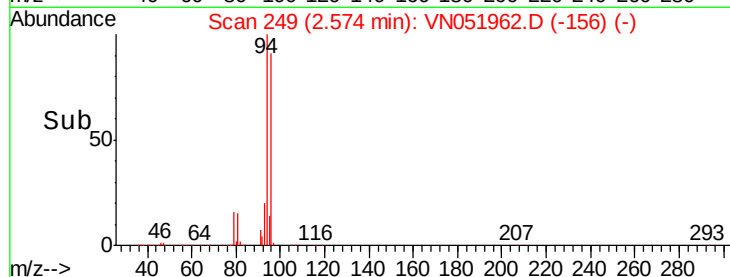
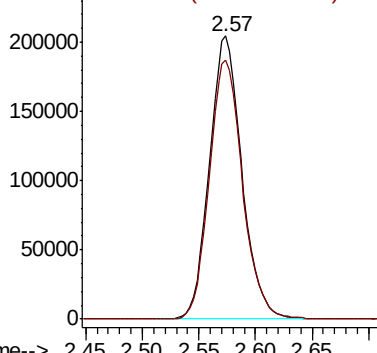
94 100

96 91.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.529 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051962.D

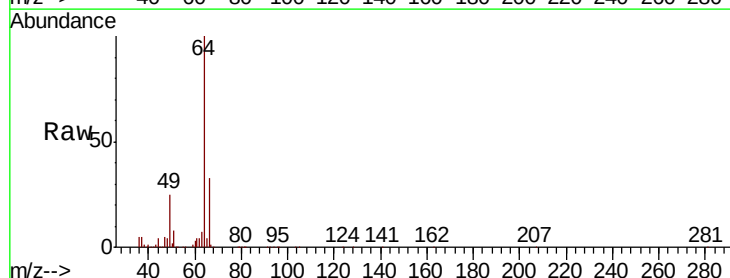
Acq: 23 Oct 2018 14:00

Tgt Ion: 64 Resp: 302061

Ion Ratio Lower Upper

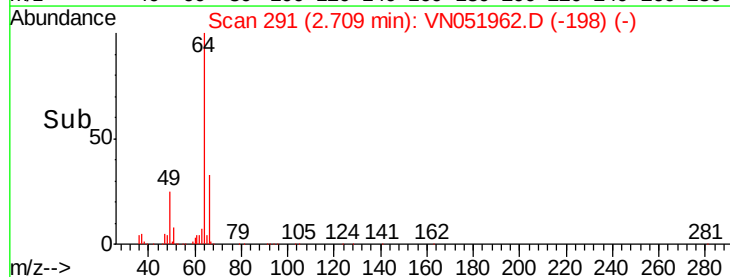
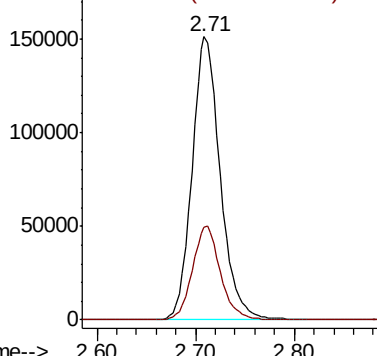
64 100

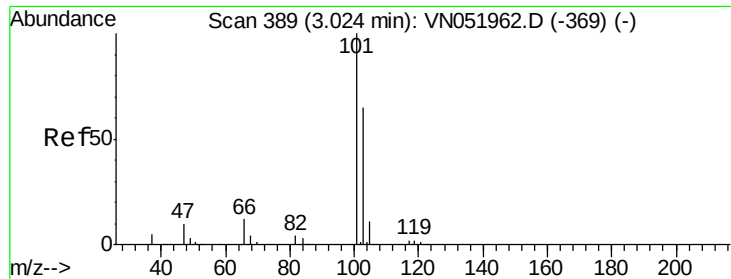
66 32.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



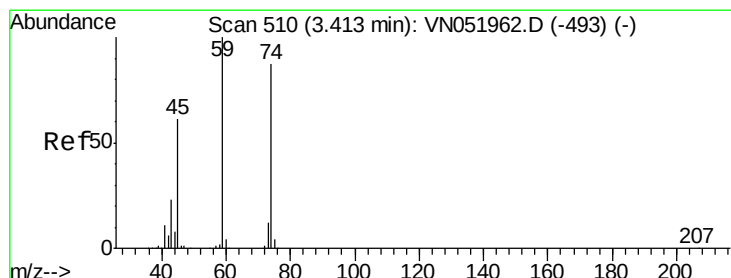
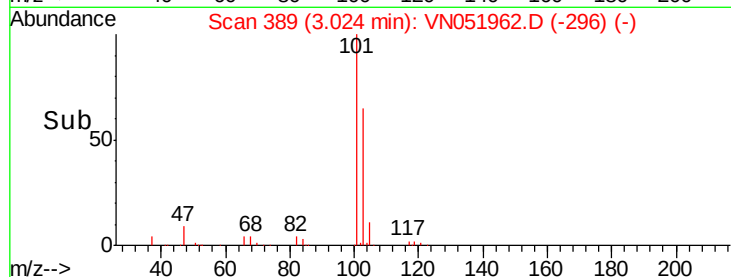
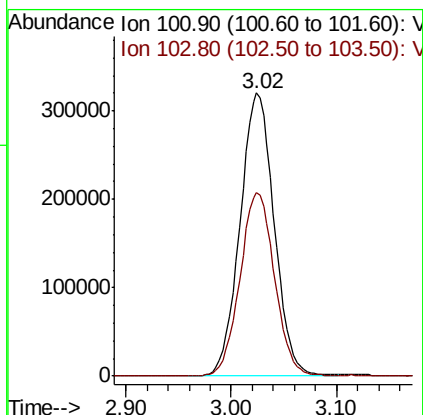
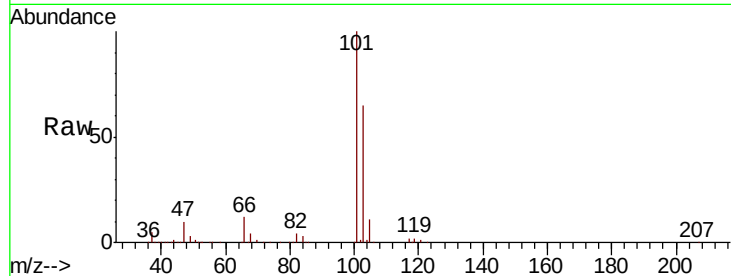


#7

Trichlorofluoromethane
 Concen: 49.308 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
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 VSTDICCC050

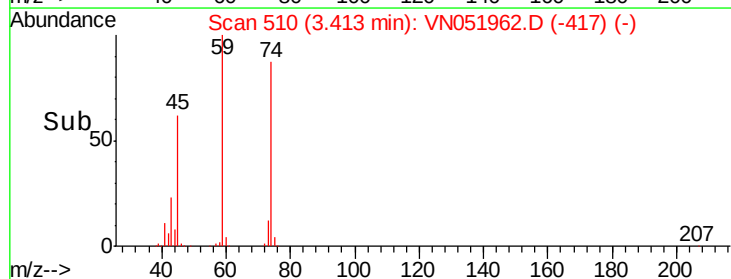
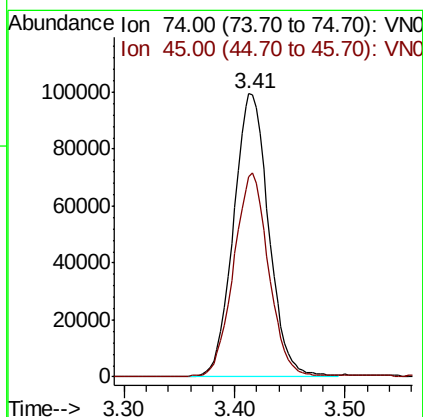
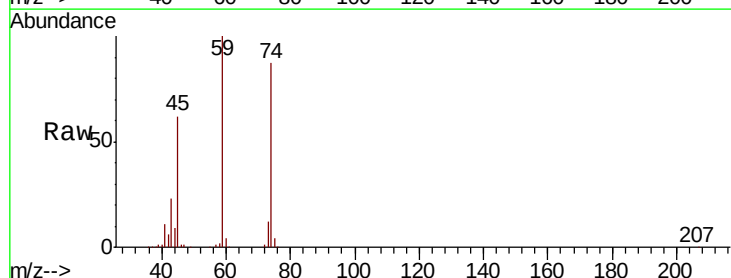
Tgt Ion: 101 Resp: 721718
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.0 78.0

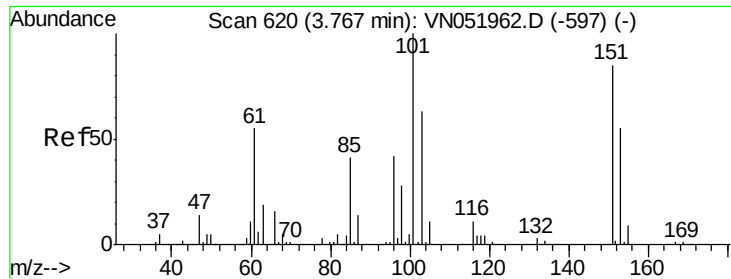


#8

Diethyl Ether
 Concen: 50.512 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 74 Resp: 219817
 Ion Ratio Lower Upper
 74 100
 45 71.0 35.5 106.5

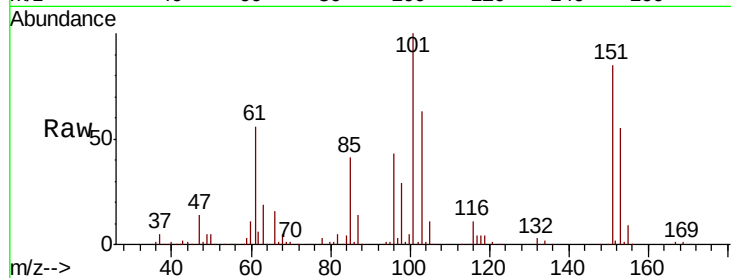




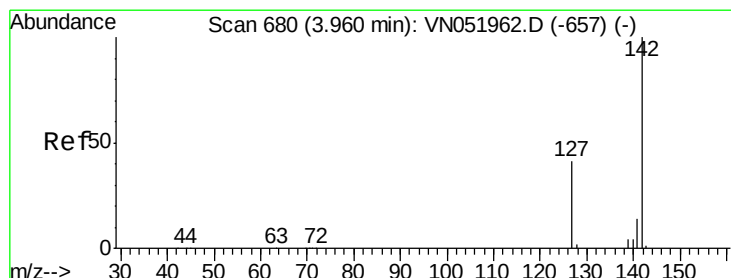
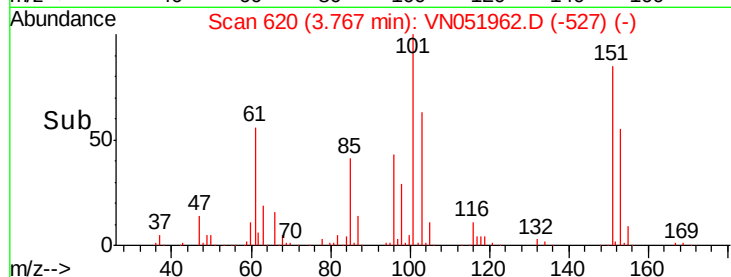
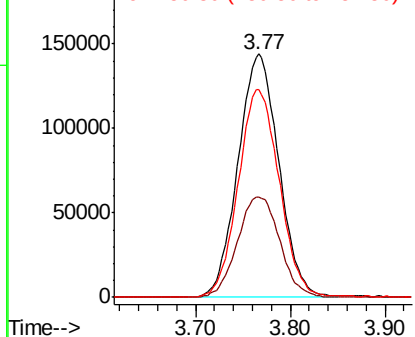
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.135 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion:101 Resp: 430829
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.2 51.4
 151 86.4 69.1 103.7

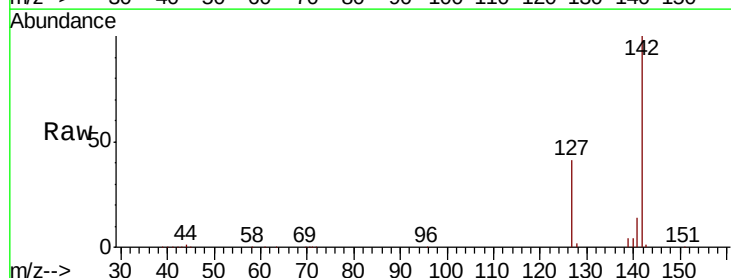


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

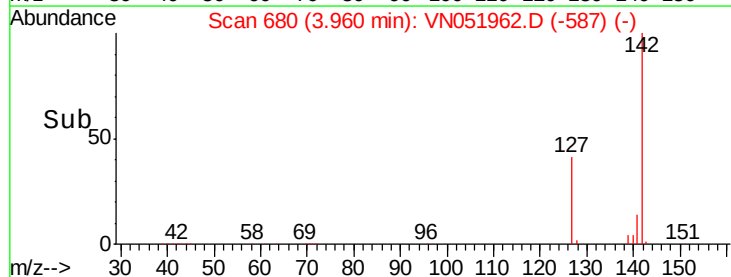
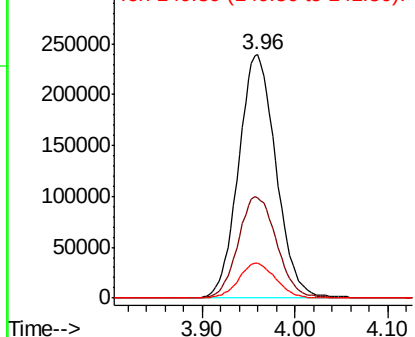


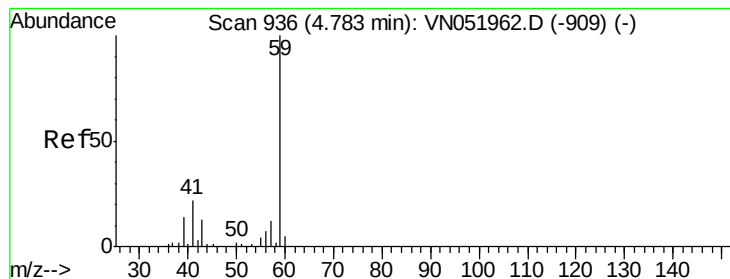
#10
 Methyl Iodide
 Concen: 51.743 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:142 Resp: 671250
 Ion Ratio Lower Upper
 142 100
 127 42.9 34.3 51.5
 141 14.2 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



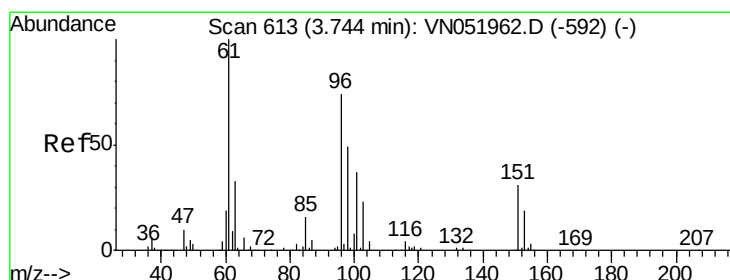
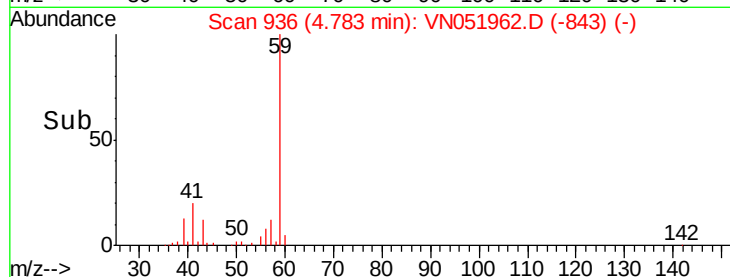
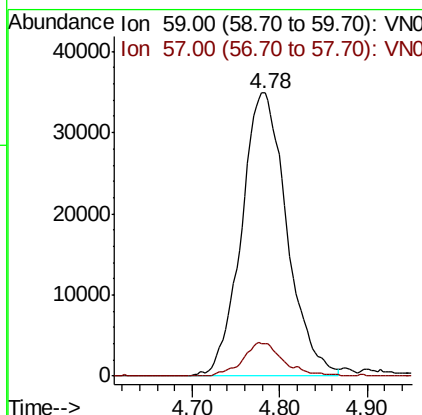
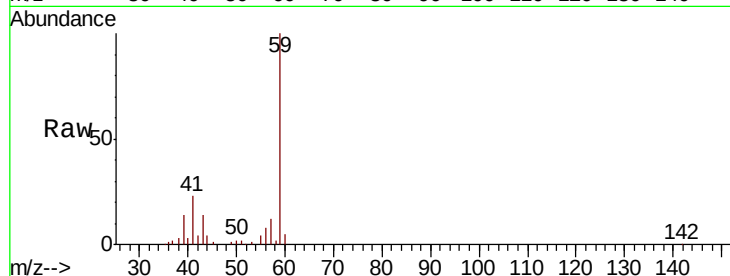


#11

Tert butyl alcohol
 Concen: 252.127 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

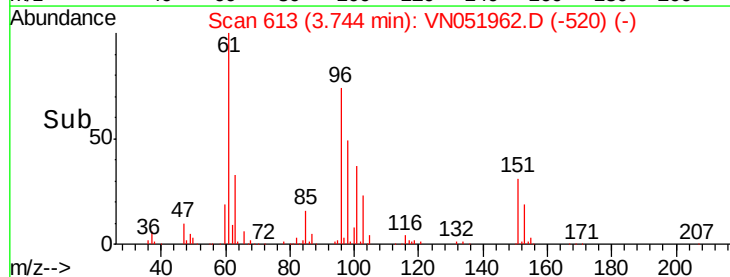
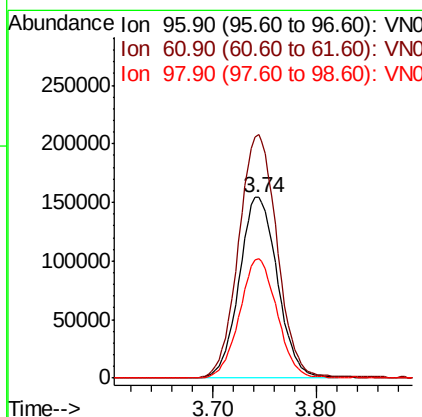
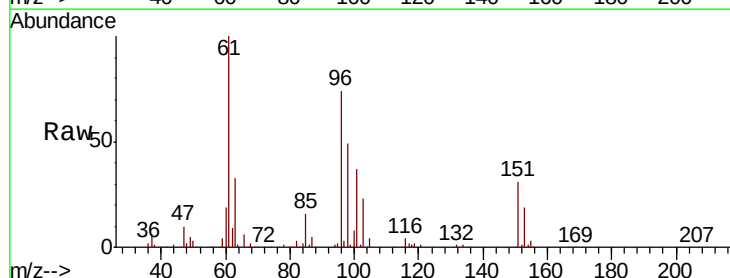
Tgt Ion: 59 Resp: 125359
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

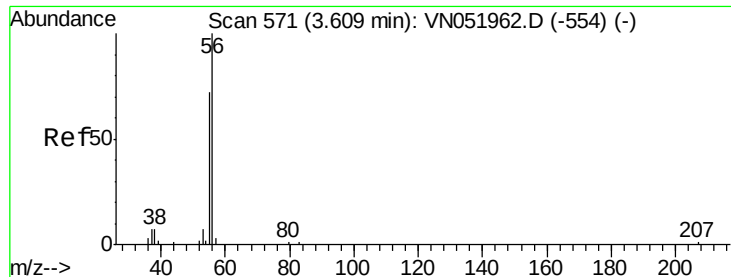


#12

1,1-Dichloroethene
 Concen: 50.700 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 96 Resp: 398117
 Ion Ratio Lower Upper
 96 100
 61 134.8 107.8 161.8
 98 65.9 52.7 79.1





#13

Acrolein

Concen: 269.095 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

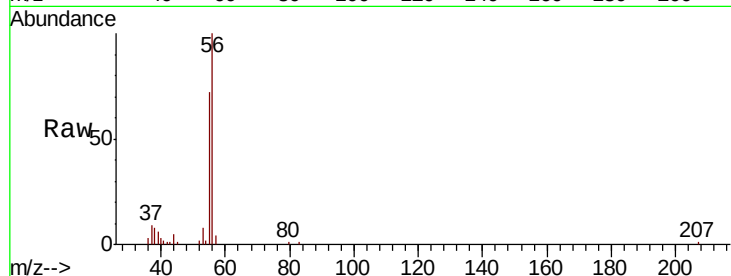
VSTDICCC050

Tgt Ion: 56 Resp: 66512

Ion Ratio Lower Upper

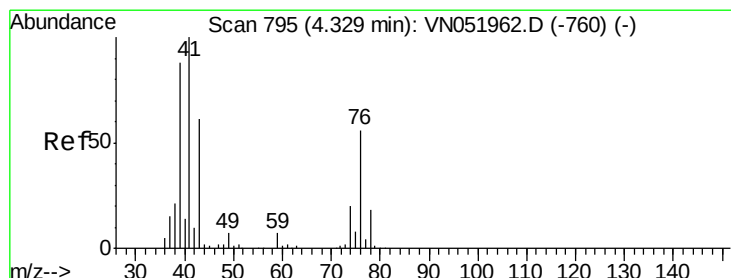
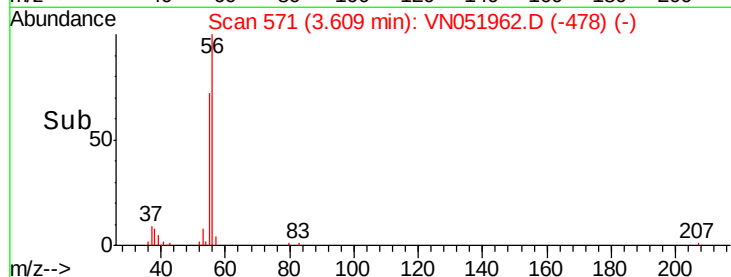
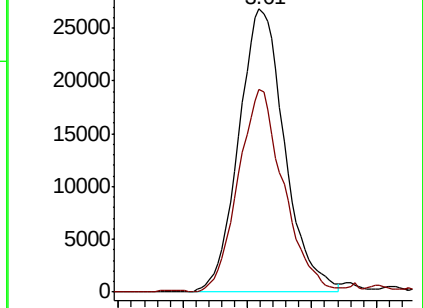
56 100

55 70.7 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)



#14

Allyl chloride

Concen: 56.171 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

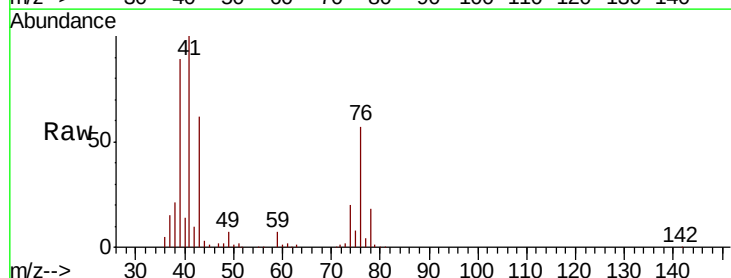
Tgt Ion: 41 Resp: 420301

Ion Ratio Lower Upper

41 100

39 84.6 67.7 101.5

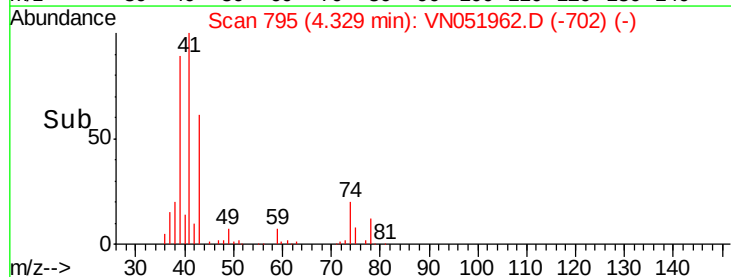
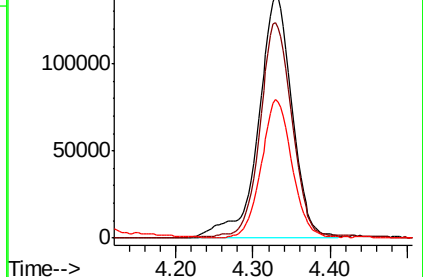
76 51.6 41.3 61.9

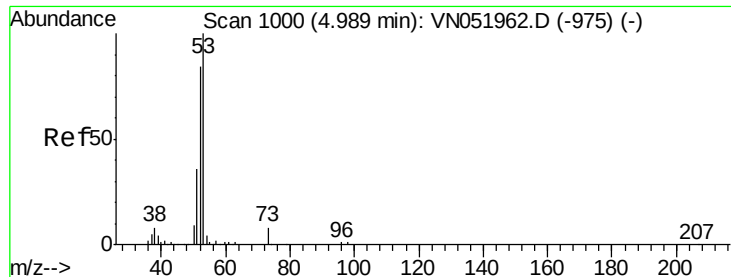


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-760) (-)

Ion 75.90 (75.60 to 76.60): VN051962.D (-760) (-)





#15

Acrylonitrile

Concen: 267.352 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

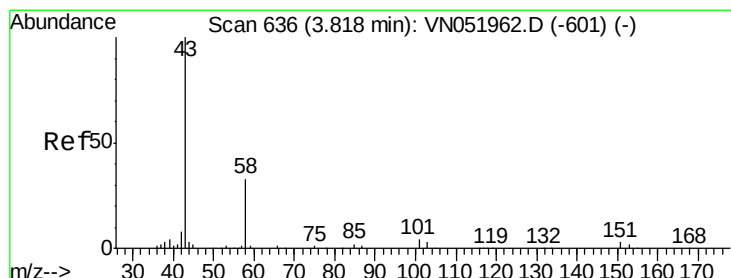
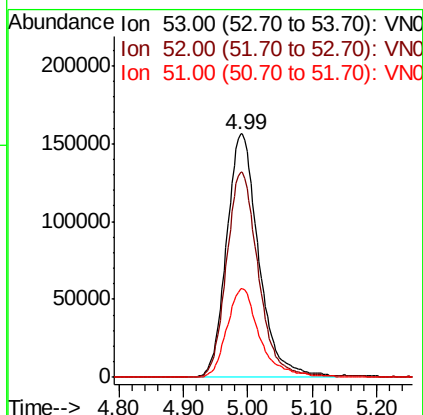
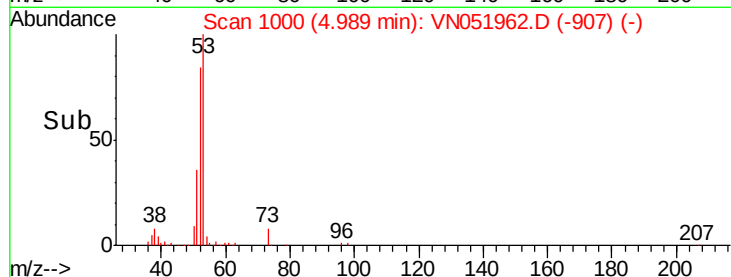
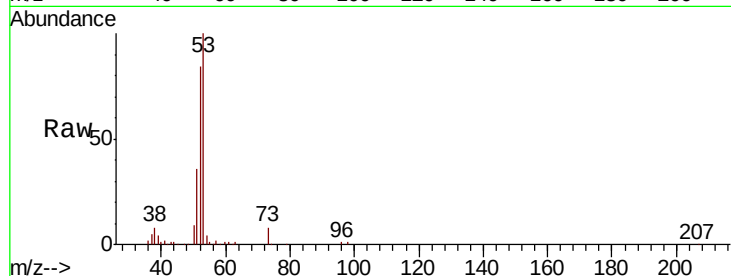
Tgt Ion: 53 Resp: 542829

Ion Ratio Lower Upper

53 100

52 83.7 67.0 100.4

51 36.9 29.5 44.3



#16

Acetone

Concen: 248.555 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051962.D

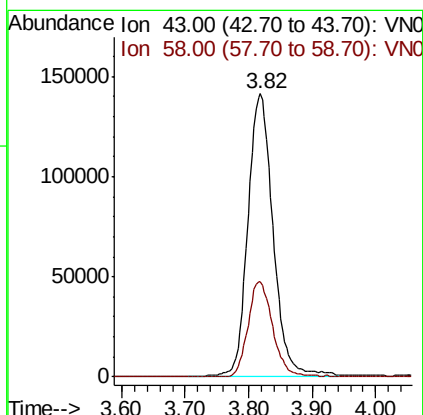
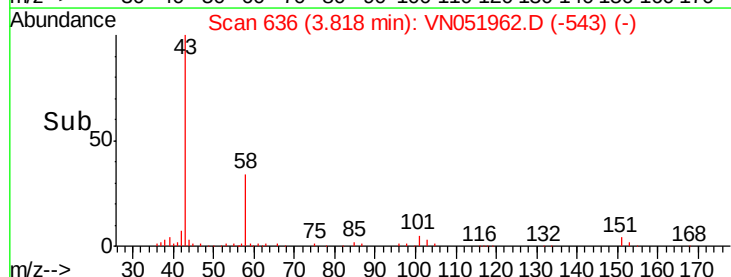
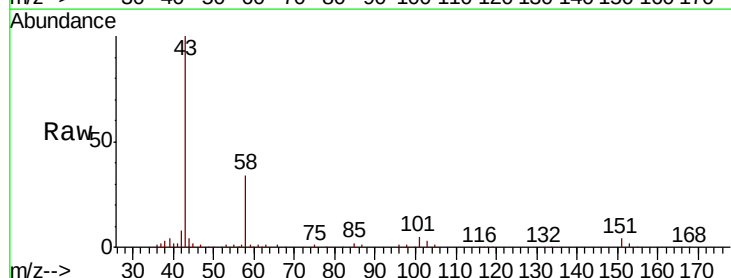
Acq: 23 Oct 2018 14:00

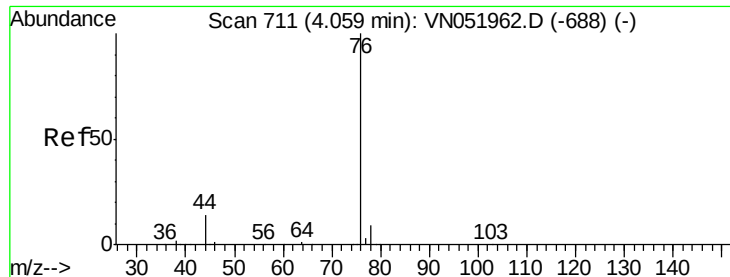
Tgt Ion: 43 Resp: 391187

Ion Ratio Lower Upper

43 100

58 33.4 26.7 40.1

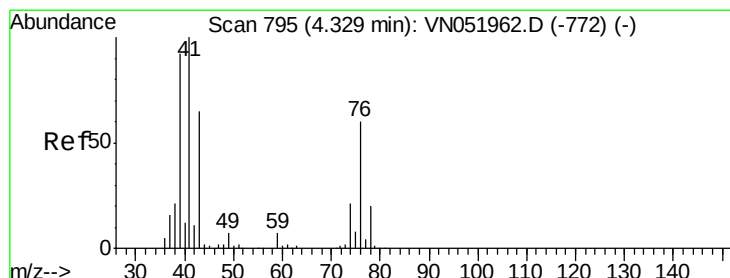
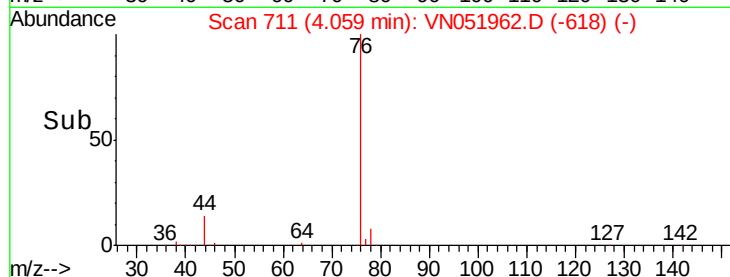
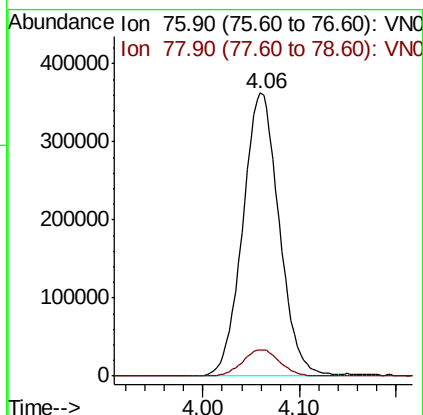
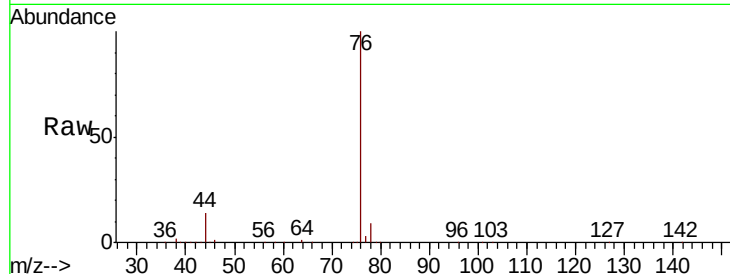




#17
Carbon Disulfide
Concen: 50.812 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

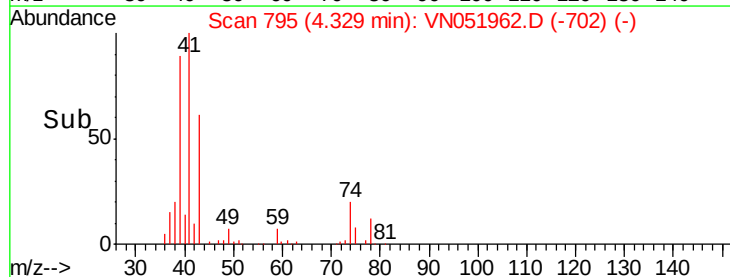
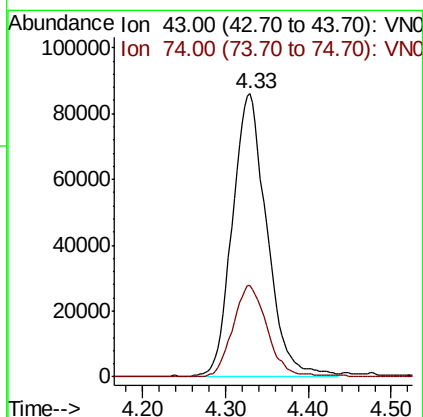
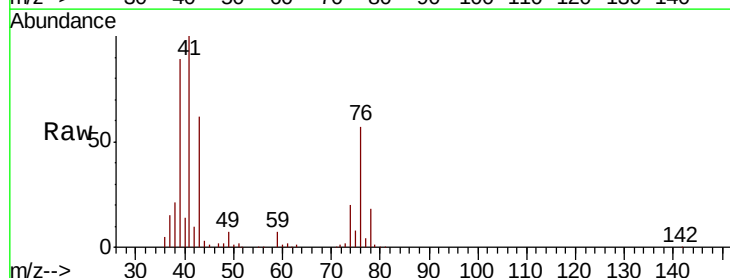
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

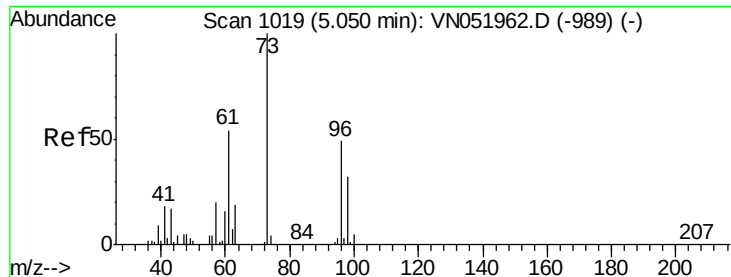
Tgt Ion: 76 Resp: 948434
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 46.945 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 43 Resp: 249293
Ion Ratio Lower Upper
43 100
74 32.1 25.7 38.5





#19

Methyl tert-butyl Ether

Concen: 51.473 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

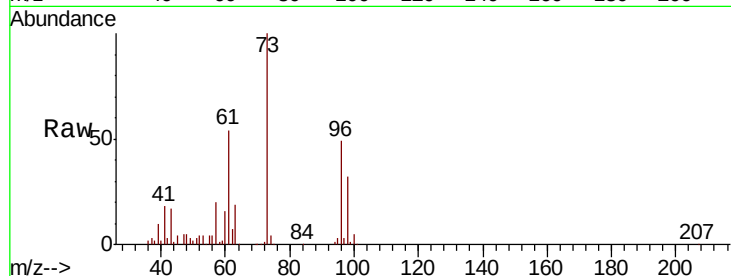
VSTDICCC050

Tgt Ion: 73 Resp: 1085160

Ion Ratio Lower Upper

73 100

57 19.9 15.9 23.9



Abundance Ion 73.00 (72.70 to 73.70): VN051962.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN051962.D (-989) (-)

5.05

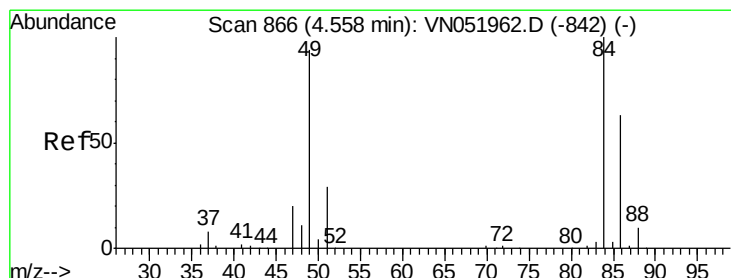
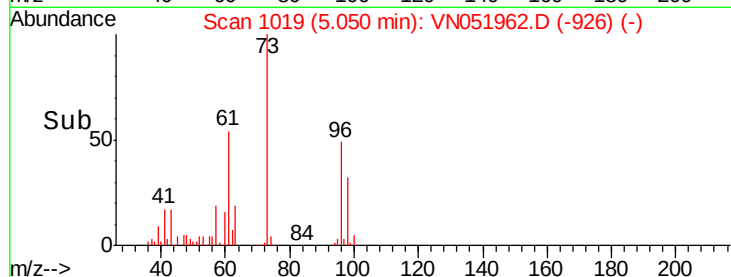
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 48.973 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion: 84 Resp: 452154

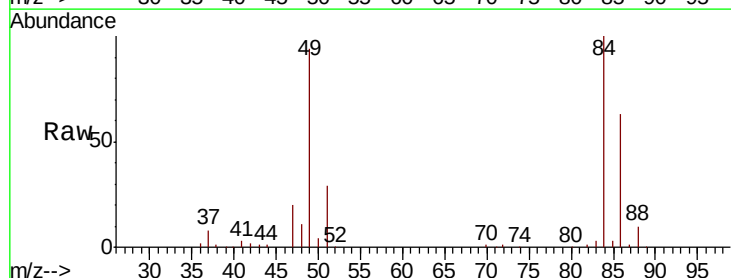
Ion Ratio Lower Upper

84 100

49 94.2 75.4 113.0

51 28.9 23.1 34.7

86 62.8 50.2 75.4



Abundance Ion 83.90 (83.60 to 84.60): VN051962.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN051962.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN051962.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN051962.D (-842) (-)

4.56

200000

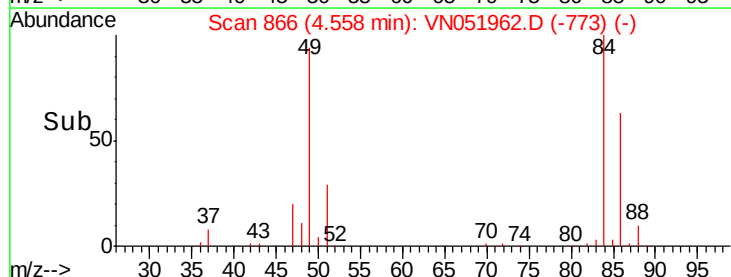
150000

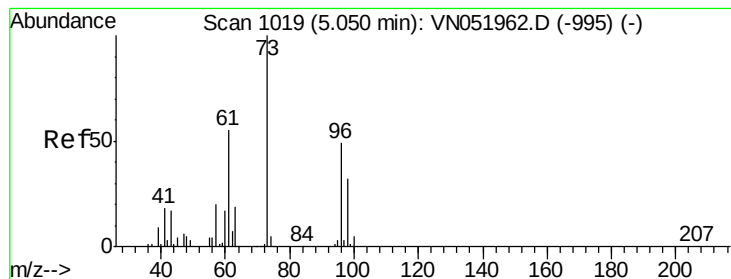
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.897 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

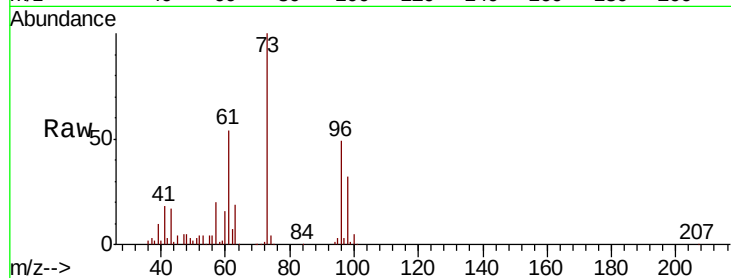
Tgt Ion: 96 Resp: 452629

Ion Ratio Lower Upper

96 100

61 111.2 89.0 133.4

98 64.8 51.8 77.8

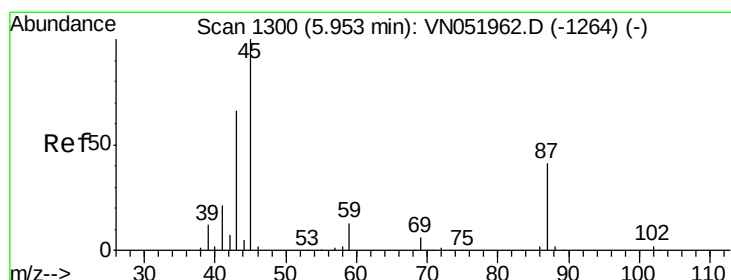
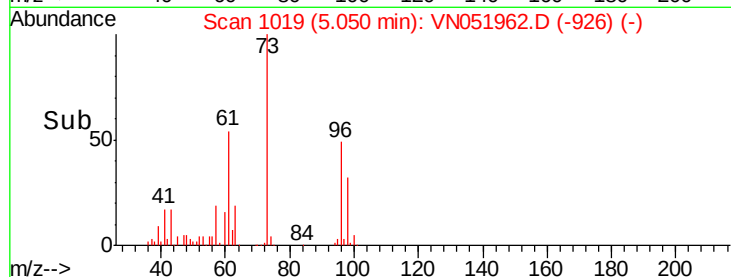
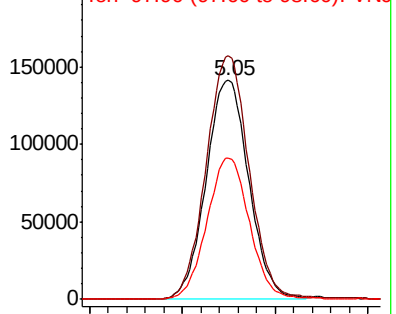


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.530 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion: 45 Resp: 976465

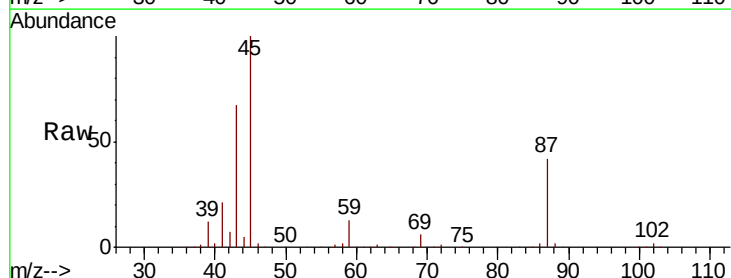
Ion Ratio Lower Upper

45 100

43 66.1 52.9 79.3

87 41.7 33.4 50.0

59 13.1 10.5 15.7



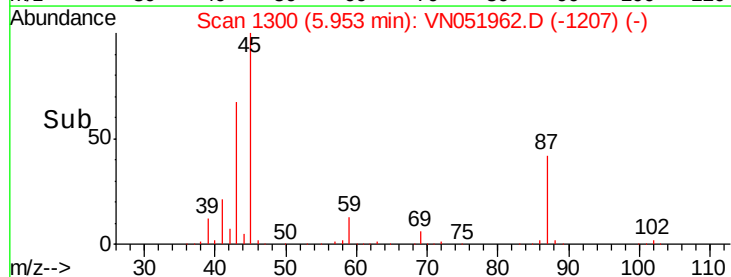
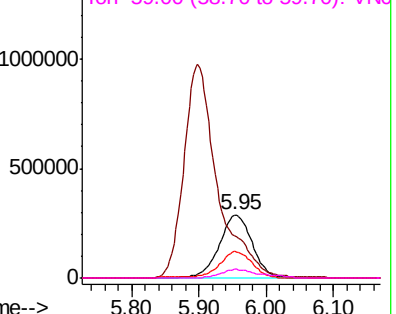
Abundance

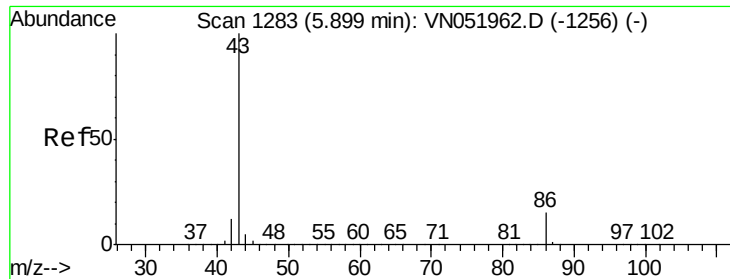
Ion 45.00 (44.70 to 45.70): VN0

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





#23

Vinyl Acetate

Concen: 264.063 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

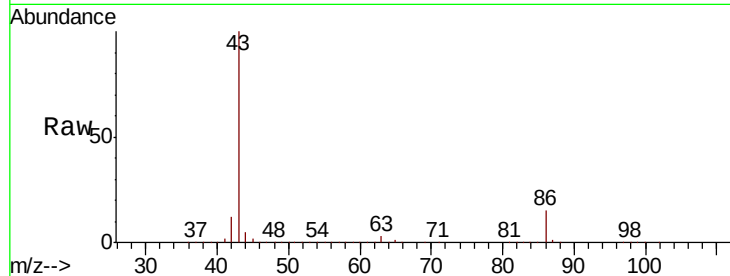
VSTDICCC050

Tgt Ion: 43 Resp: 3414873

Ion Ratio Lower Upper

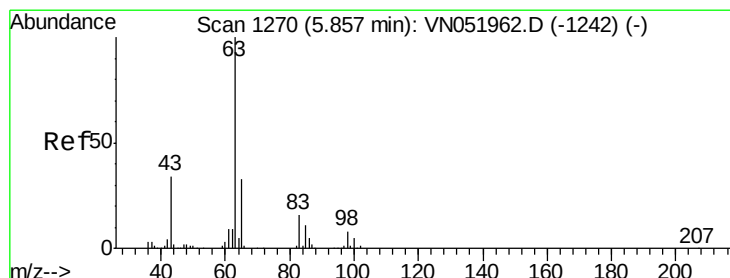
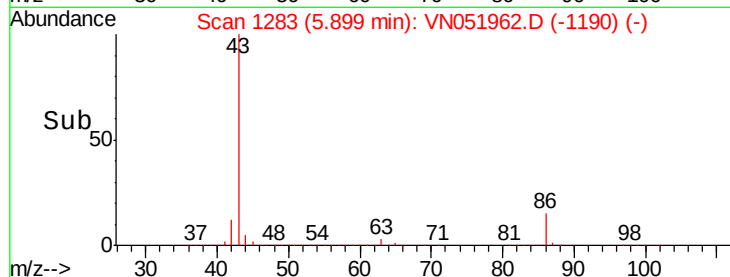
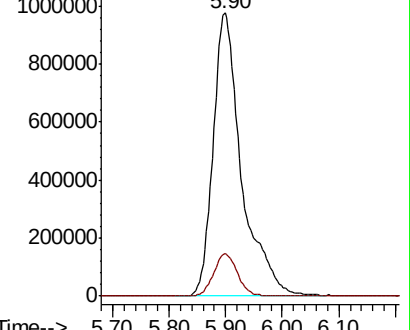
43 100

86 14.9 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)



#24

1,1-Dichloroethane

Concen: 50.782 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

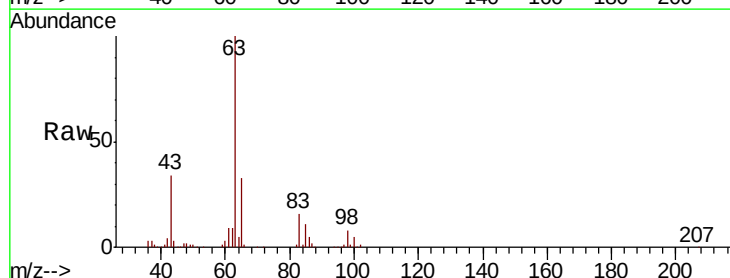
Tgt Ion: 63 Resp: 704808

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

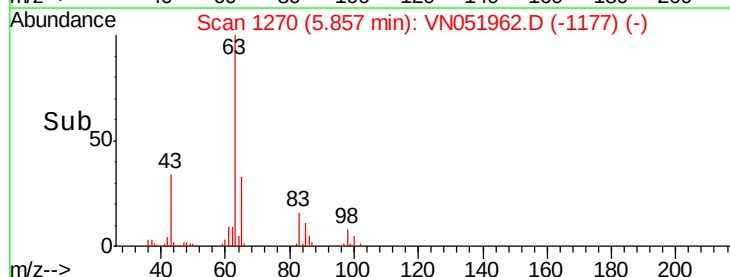
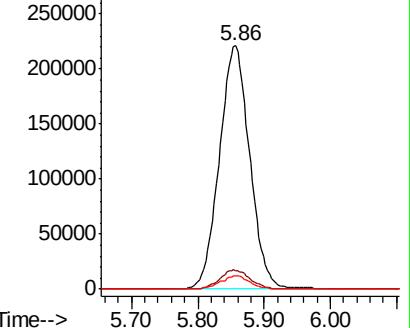
100 5.3 2.6 8.0

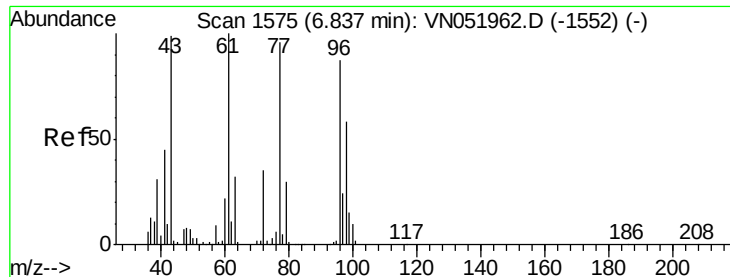


Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)





#25

2-Butanone

Concen: 265.818 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

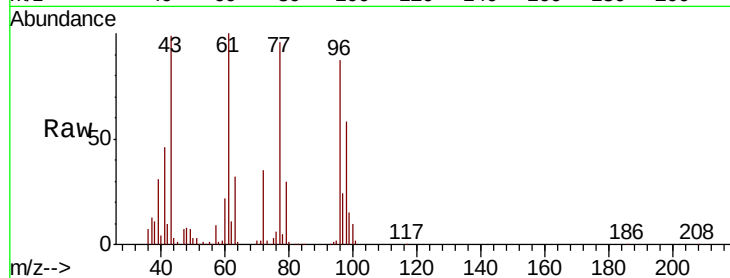
VSTDICCC050

Tgt Ion: 43 Resp: 596409

Ion Ratio Lower Upper

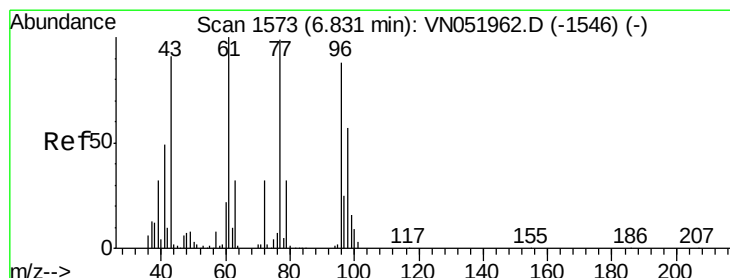
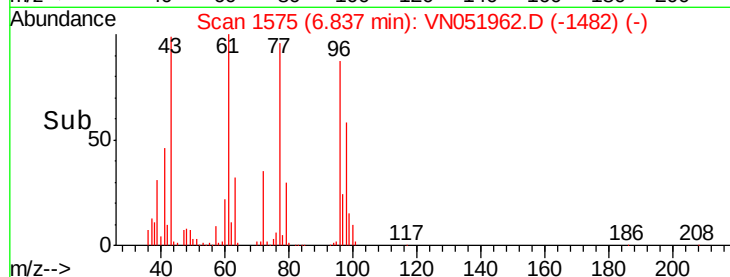
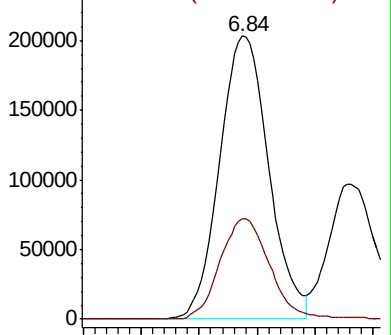
43 100

72 35.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 52.227 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051962.D

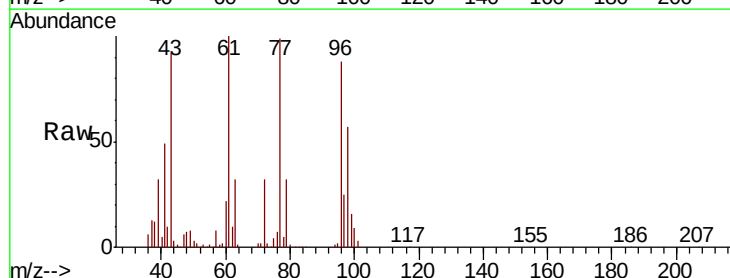
Acq: 23 Oct 2018 14:00

Tgt Ion: 77 Resp: 663195

Ion Ratio Lower Upper

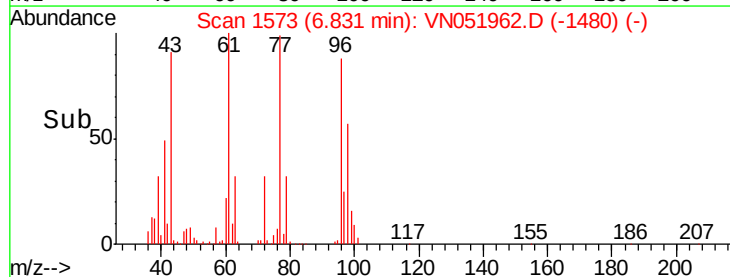
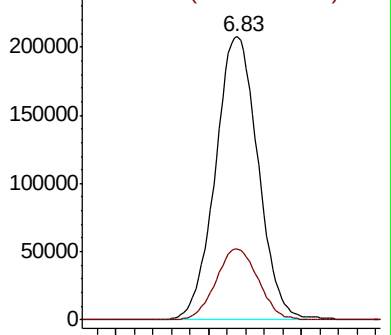
77 100

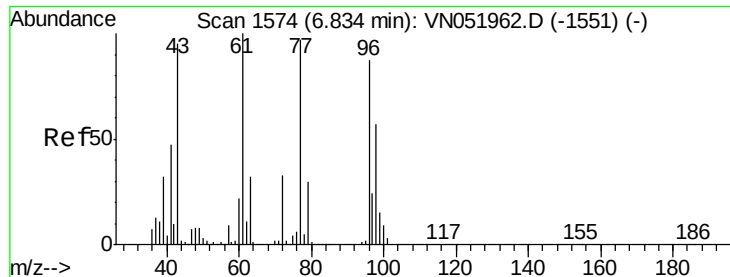
97 25.1 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.509 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

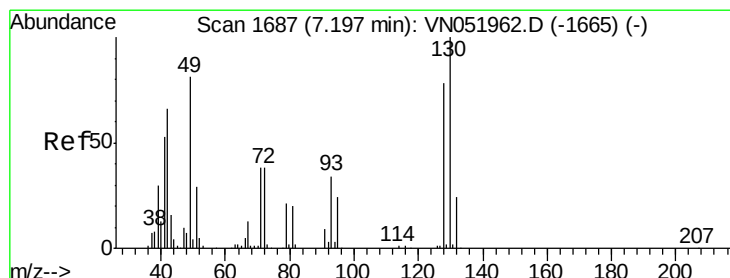
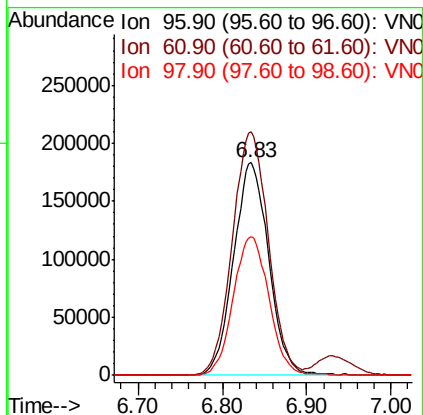
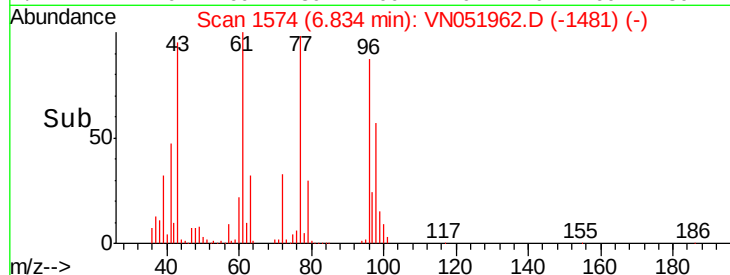
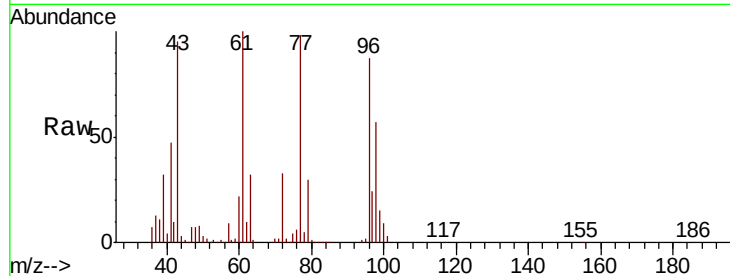
Tgt Ion: 96 Resp: 532761

Ion Ratio Lower Upper

96 100

61 117.2 0.0 234.4

98 65.8 0.0 131.6



#28

Bromochloromethane

Concen: 53.902 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

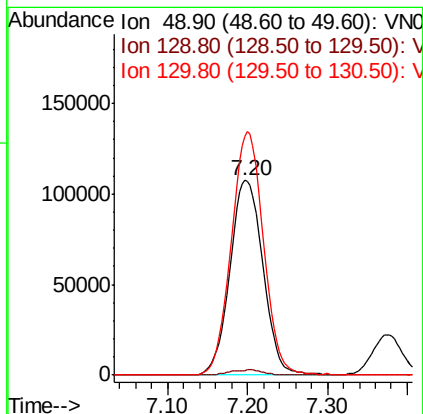
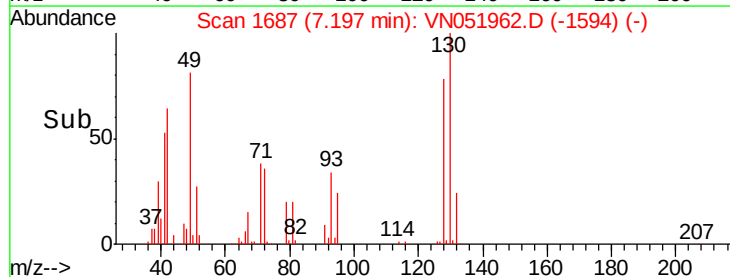
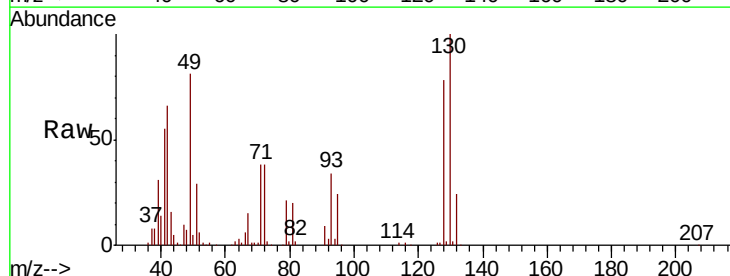
Tgt Ion: 49 Resp: 301511

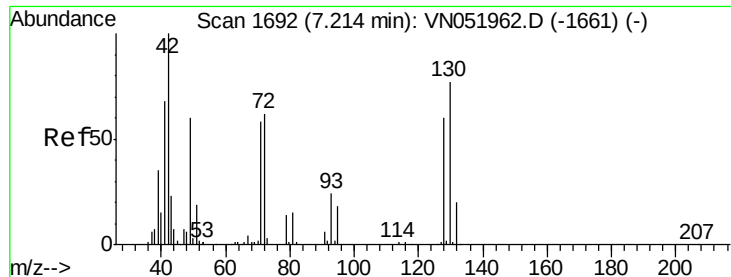
Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.4

130 121.3 97.0 145.6





#29

Tetrahydrofuran

Concen: 245.818 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

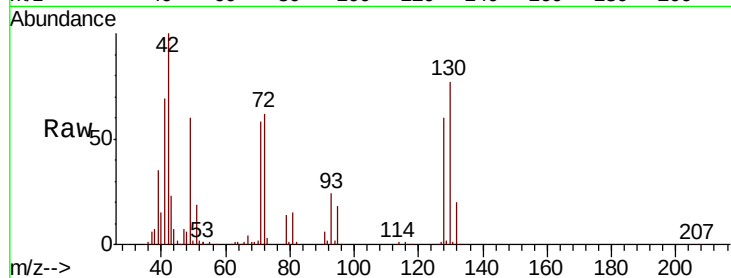
Tgt Ion: 42 Resp: 373681

Ion Ratio Lower Upper

42 100

72 59.4 47.5 71.3

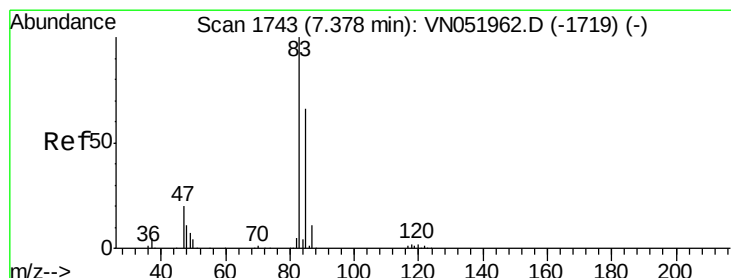
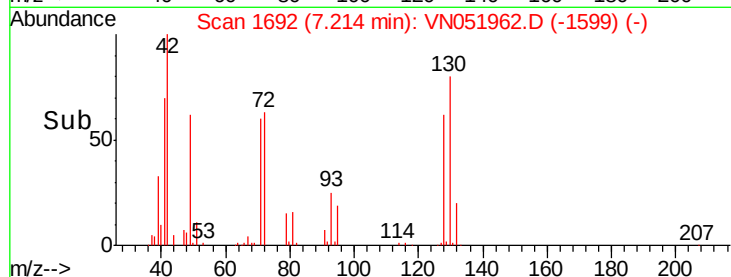
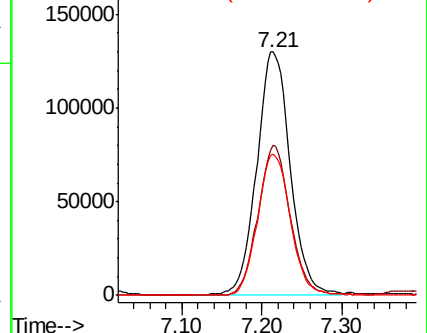
71 56.8 45.4 68.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.088 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051962.D

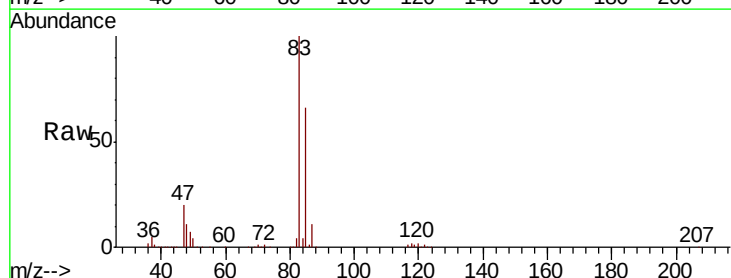
Acq: 23 Oct 2018 14:00

Tgt Ion: 83 Resp: 865802

Ion Ratio Lower Upper

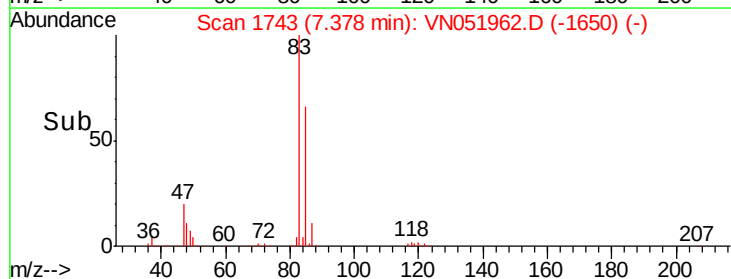
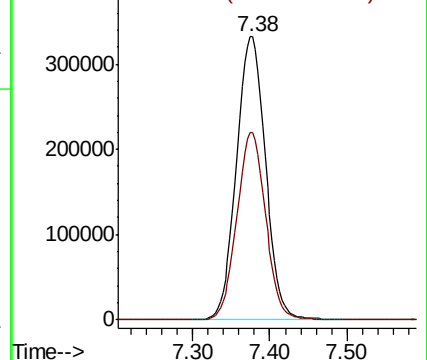
83 100

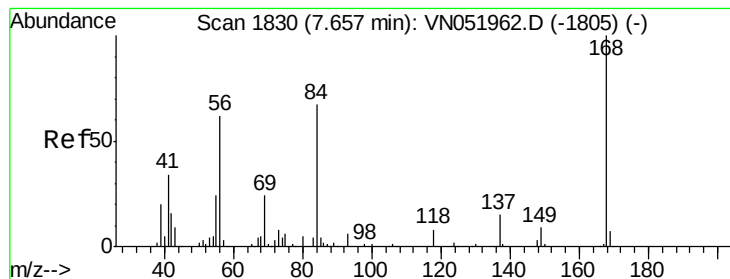
85 66.0 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 38.719 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

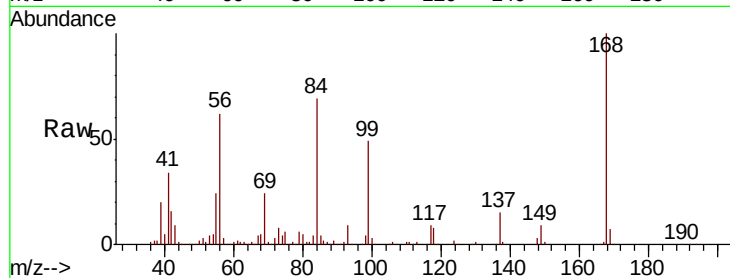
Tgt Ion: 56 Resp: 578891

Ion Ratio Lower Upper

56 100

69 39.0 31.2 46.8

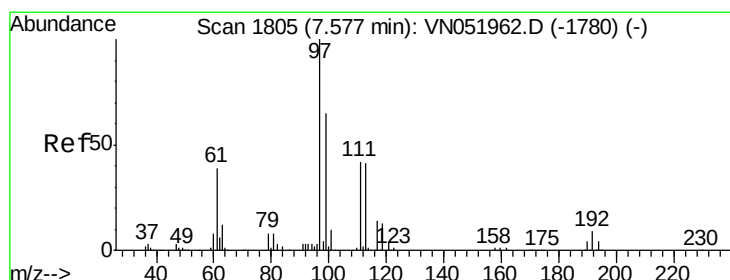
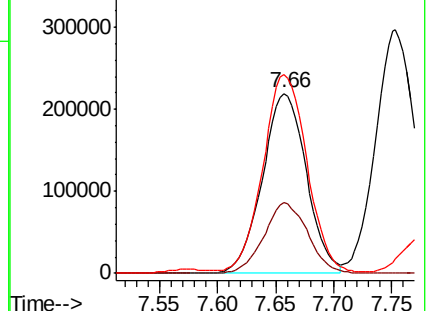
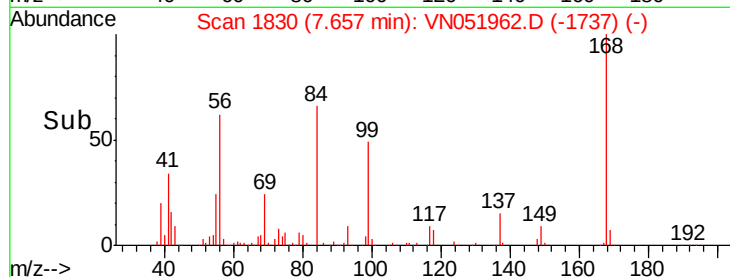
84 107.9 86.3 129.5



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN051962.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 51.905 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

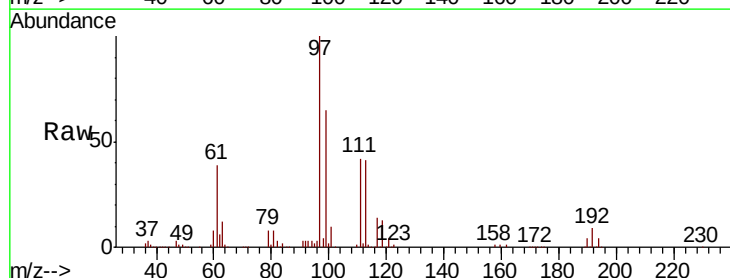
Tgt Ion: 97 Resp: 804370

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

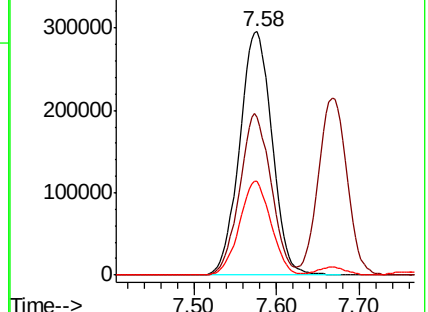
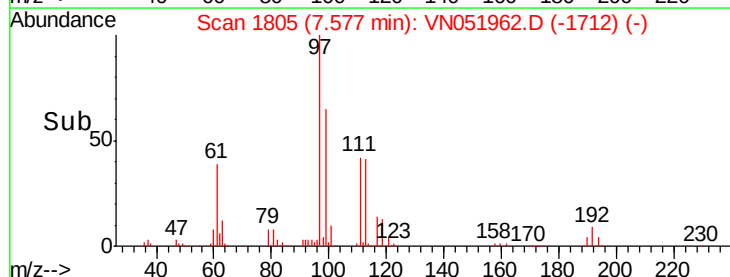
61 37.6 30.1 45.1

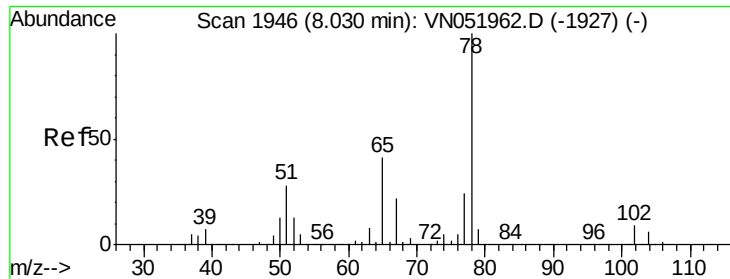


Abundance Ion 96.90 (96.60 to 97.60): VN051962.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1780) (-)

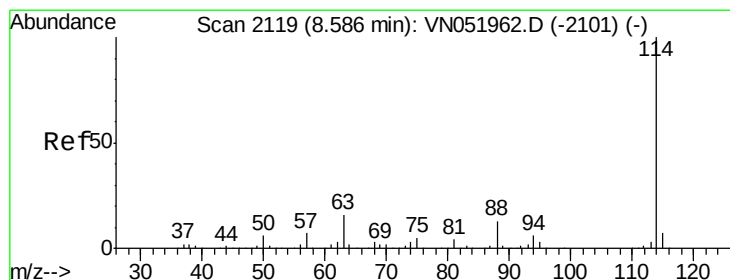
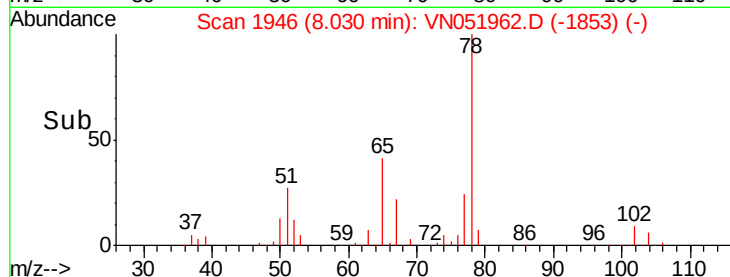
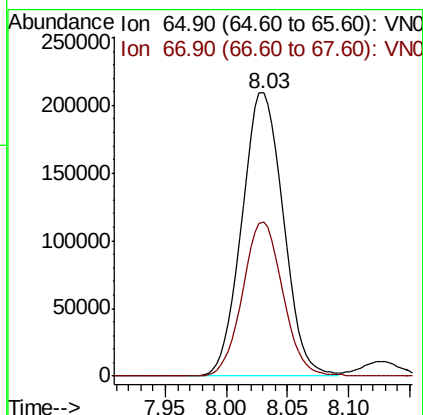
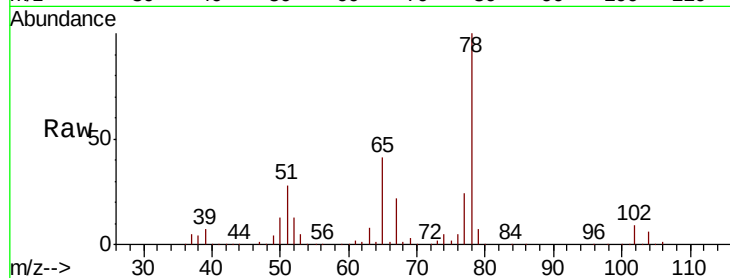




#33
 1,2-Dichloroethane-d4
 Concen: 51.905 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

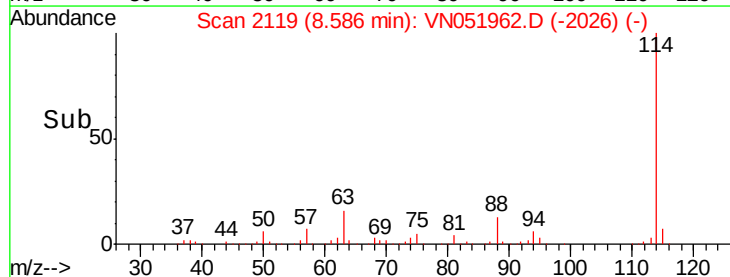
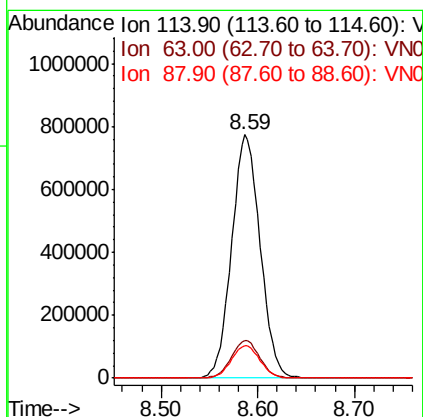
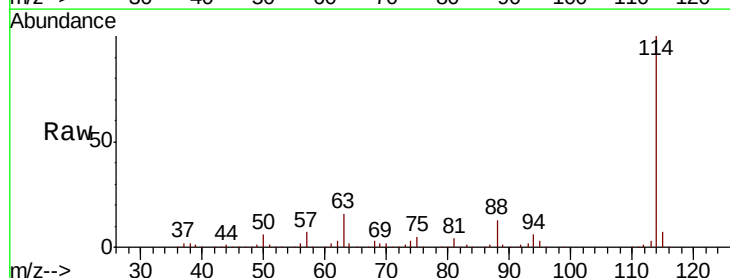
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

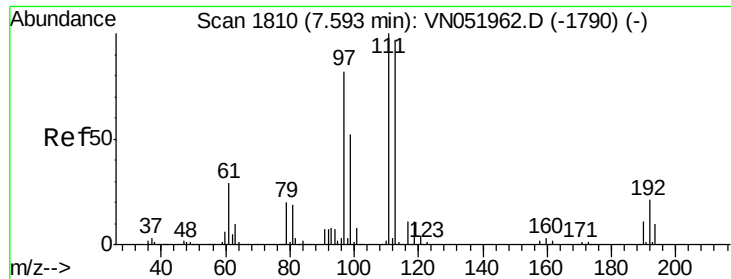
Tgt Ion: 65 Resp: 493262
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 114 Resp: 1582078
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 13.5 0.0 27.0

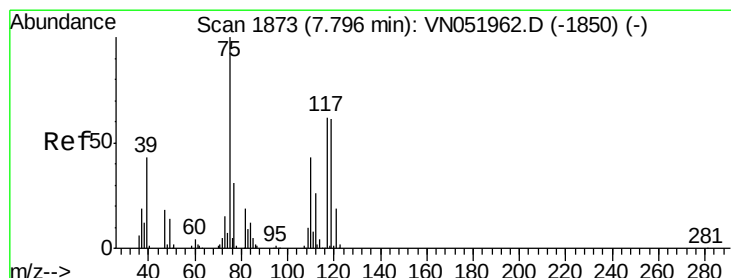
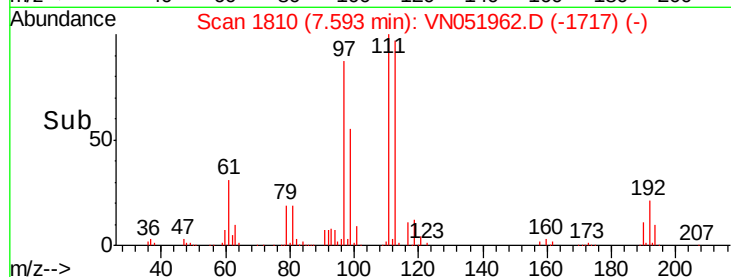
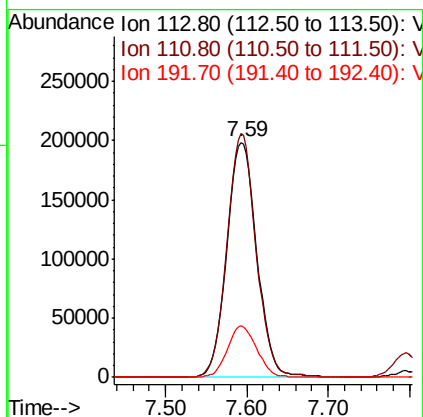
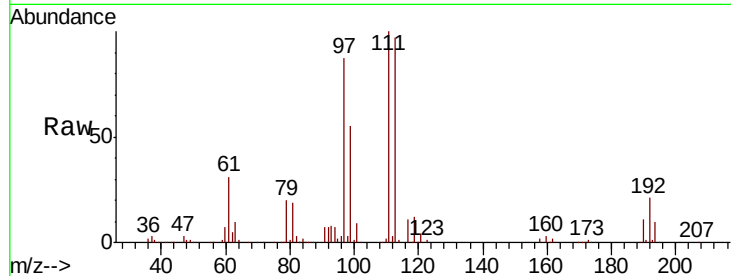




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

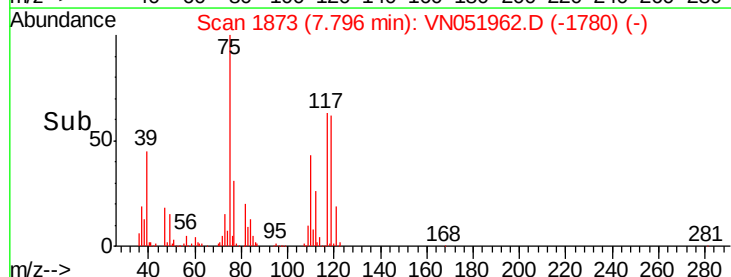
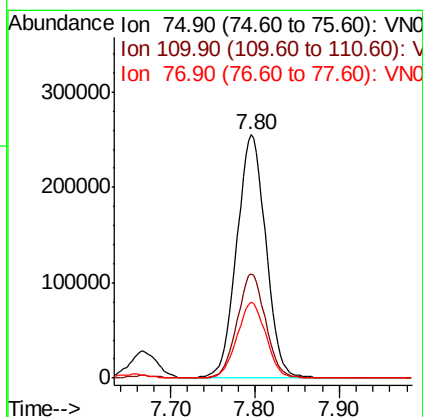
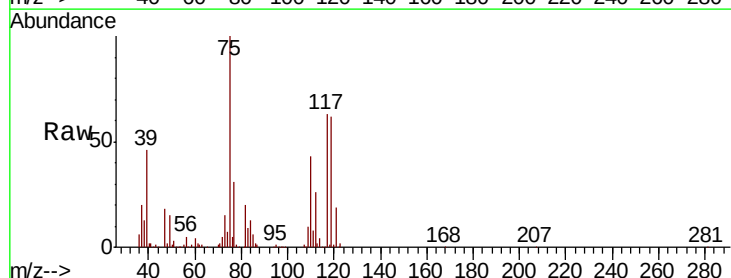
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

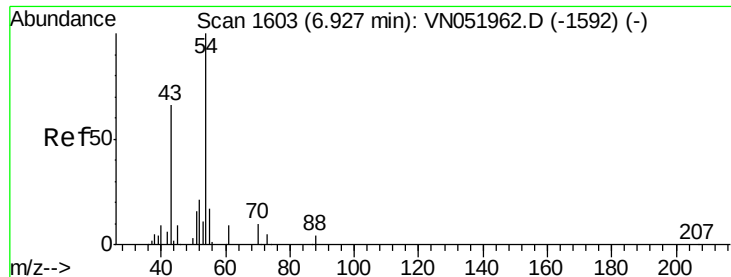
Tgt Ion: 113 Resp: 512814
 Ion Ratio Lower Upper
 113 100
 111 100.9 80.7 121.1
 192 21.5 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 50.502 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 75 Resp: 612886
 Ion Ratio Lower Upper
 75 100
 110 41.9 20.9 62.8
 77 31.1 24.9 37.3

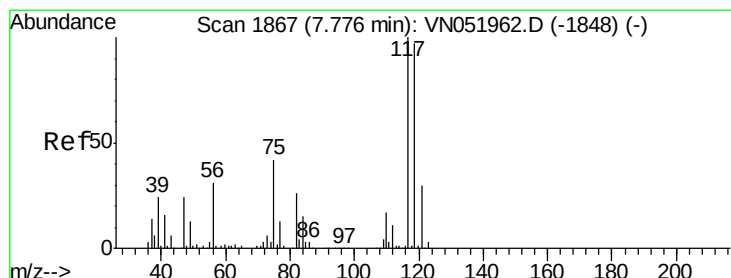
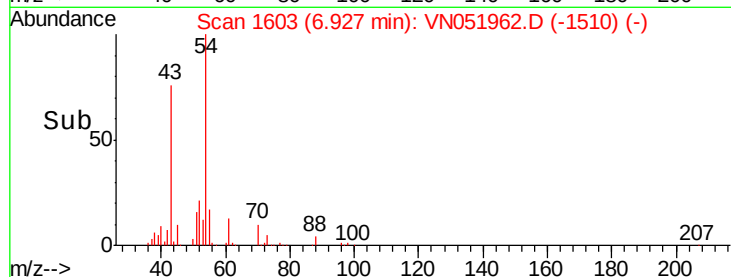
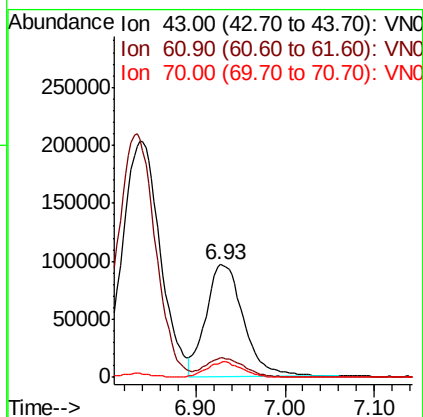
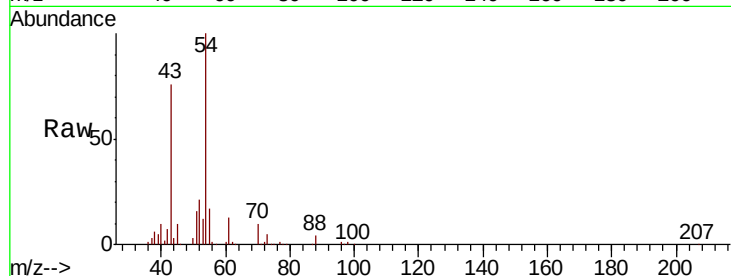




#37
Ethyl Acetate
 Concen: 53.040 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

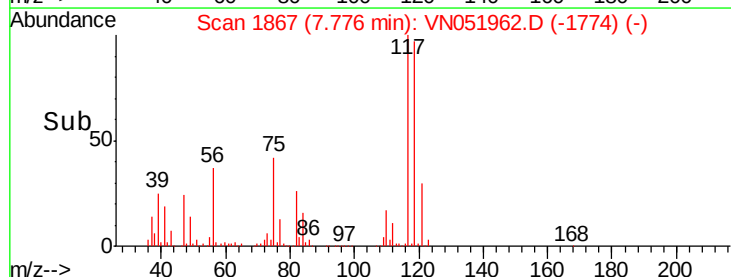
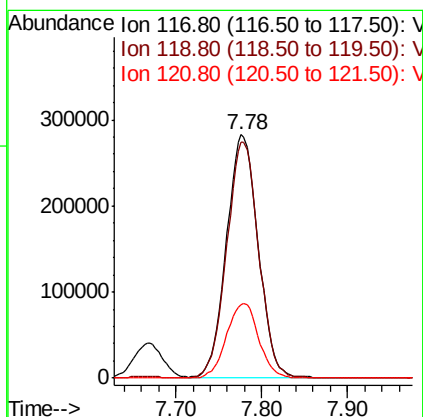
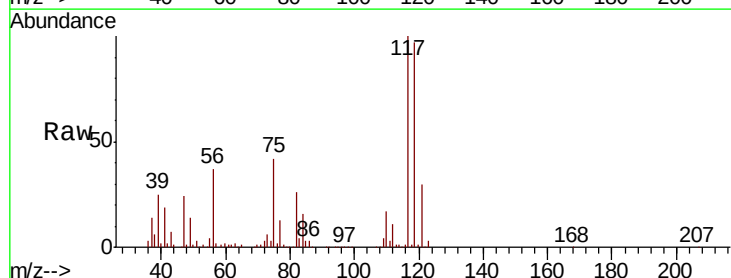
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

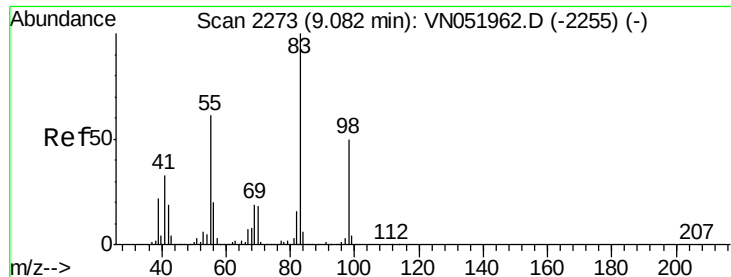
Tgt Ion: 43 Resp: 282315
 Ion Ratio Lower Upper
 43 100
 61 16.9 13.5 20.3
 70 12.2 9.8 14.6



#38
Carbon Tetrachloride
 Concen: 51.912 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 117 Resp: 723253
 Ion Ratio Lower Upper
 117 100
 119 96.7 77.4 116.0
 121 30.3 24.2 36.4

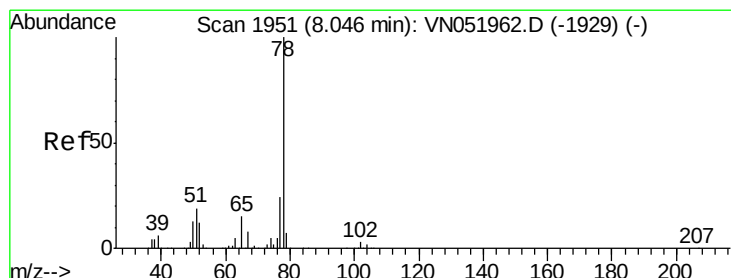
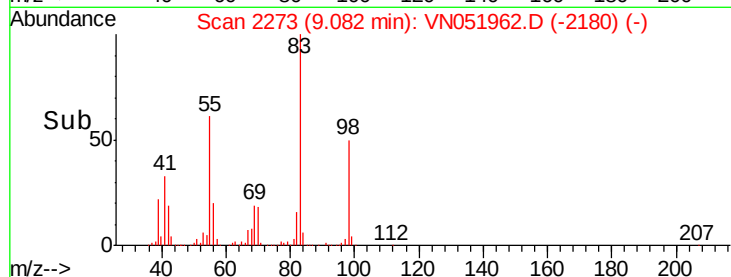
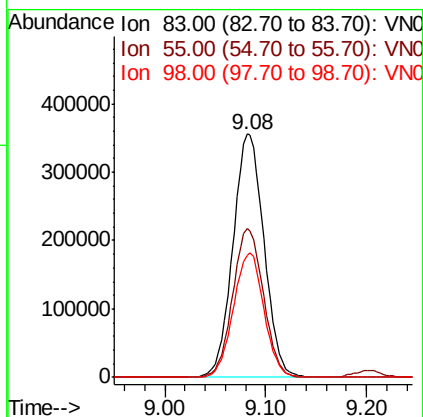
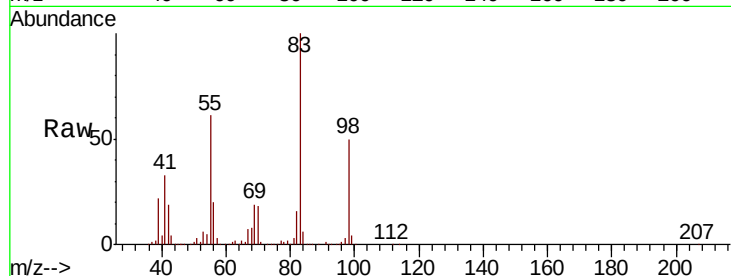




#39
Methylcyclohexane
Concen: 51.073 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

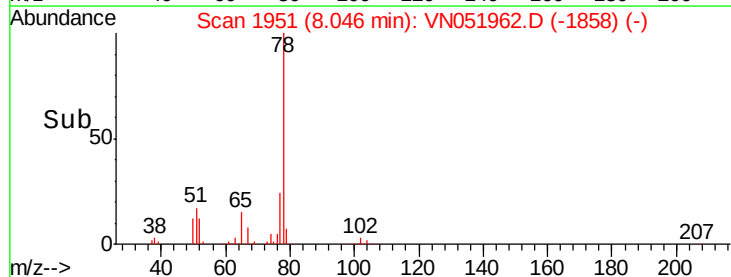
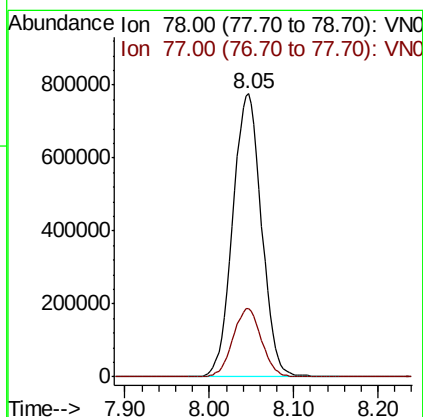
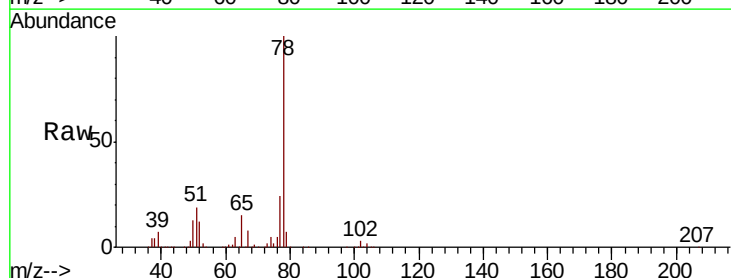
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

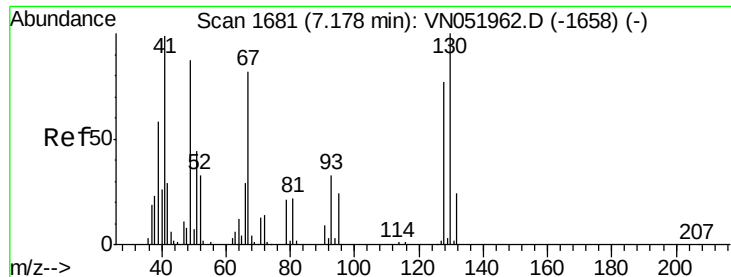
Tgt Ion: 83 Resp: 757031
Ion Ratio Lower Upper
83 100
55 61.1 48.9 73.3
98 50.2 40.2 60.2



#40
Benzene
Concen: 51.241 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 78 Resp: 1846386
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 49.335 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 134542

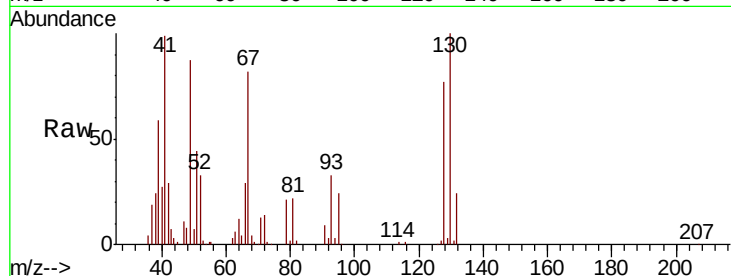
Ion Ratio Lower Upper

41 100

39 66.4 53.1 79.7

67 117.2 93.8 140.6

52 44.0 35.2 52.8

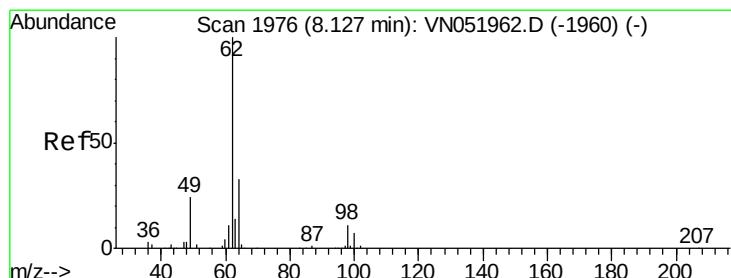
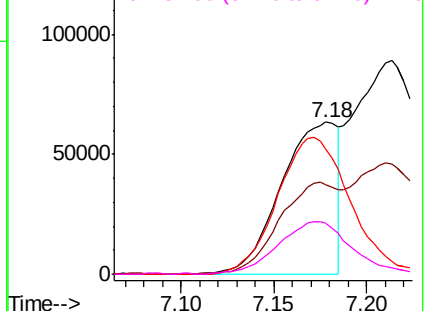
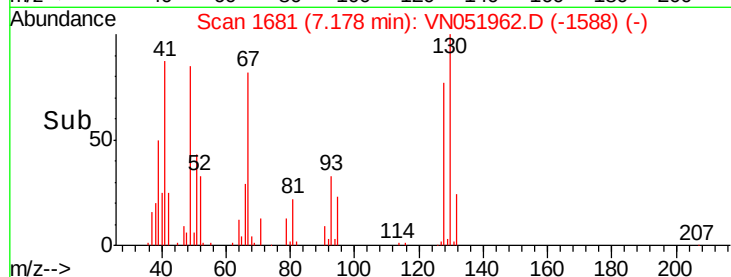


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 50.513 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051962.D

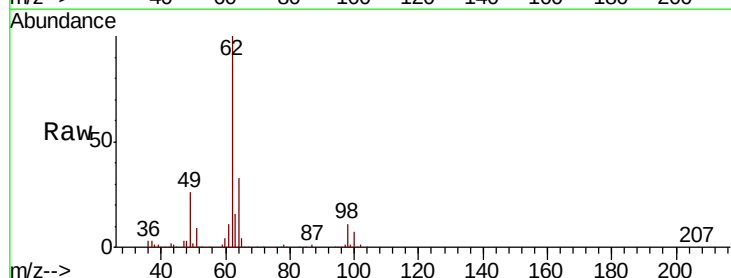
Acq: 23 Oct 2018 14:00

Tgt Ion: 62 Resp: 583589

Ion Ratio Lower Upper

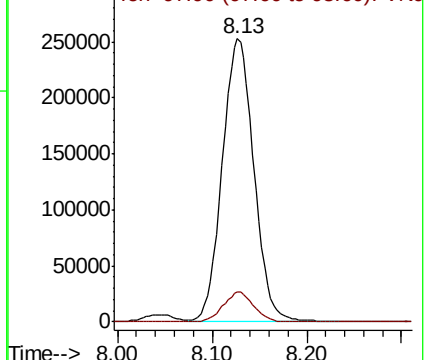
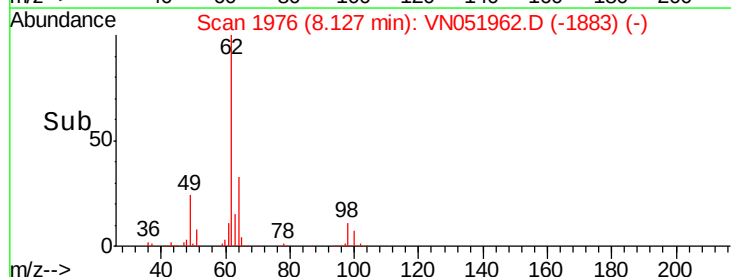
62 100

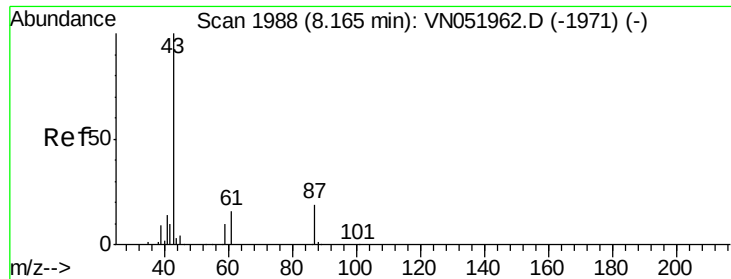
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

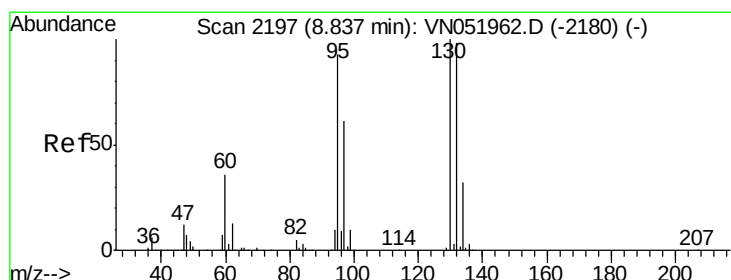
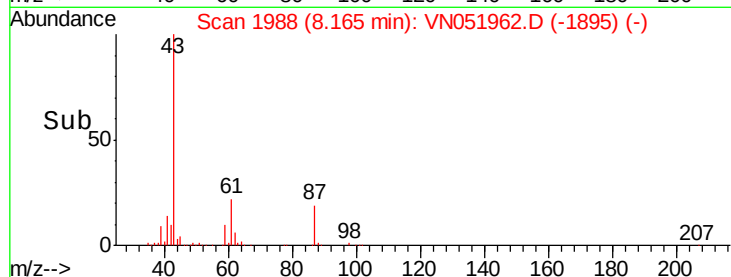
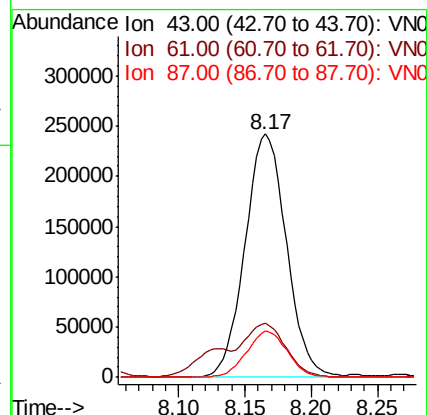
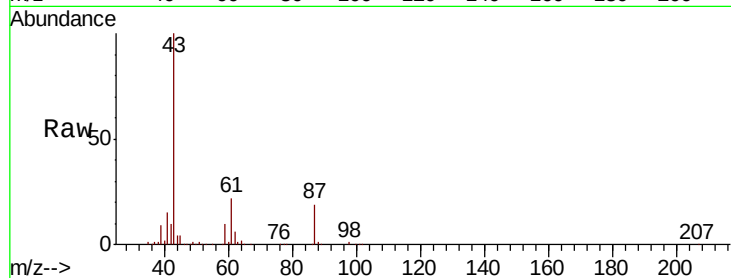




#43
Isopropyl Acetate
Concen: 51.653 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

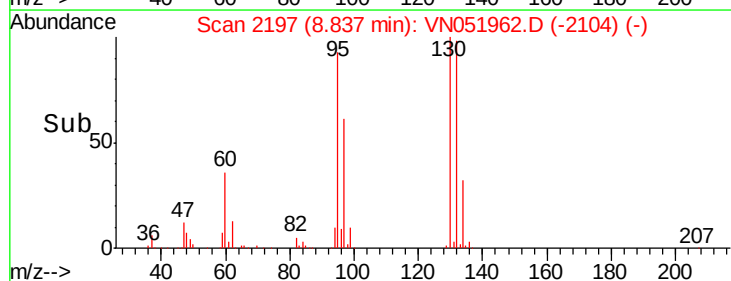
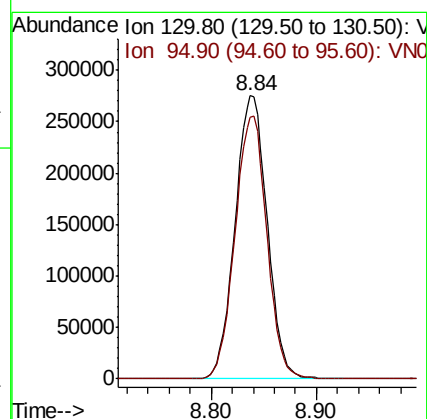
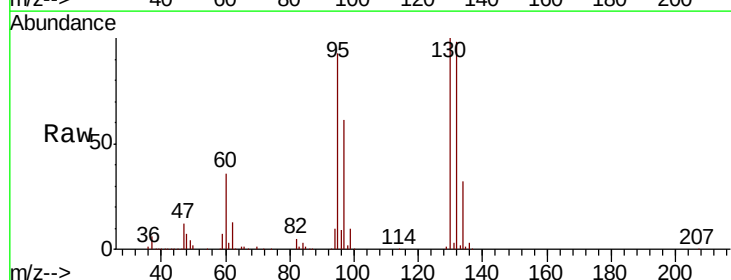
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

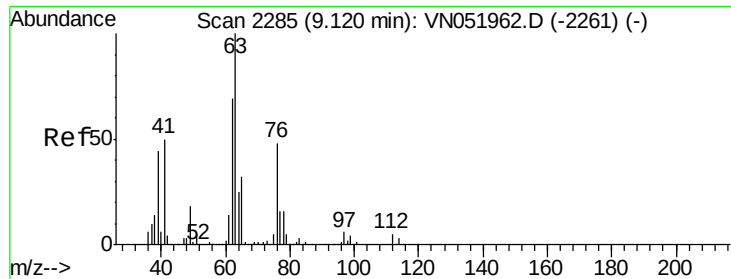
Tgt Ion: 43 Resp: 524983
Ion Ratio Lower Upper
43 100
61 21.5 17.2 25.8
87 19.0 15.2 22.8



#44
Trichloroethene
Concen: 50.204 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 130 Resp: 580649
Ion Ratio Lower Upper
130 100
95 92.6 0.0 185.2

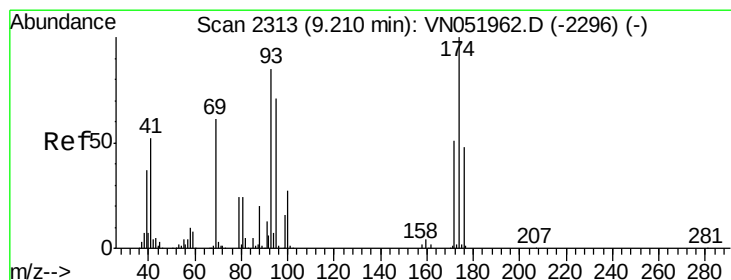
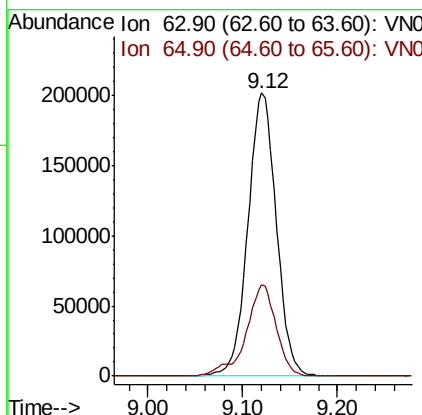
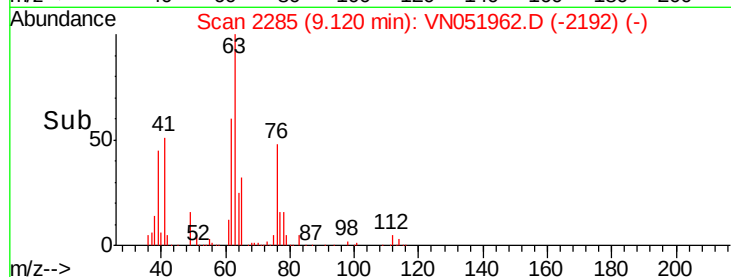
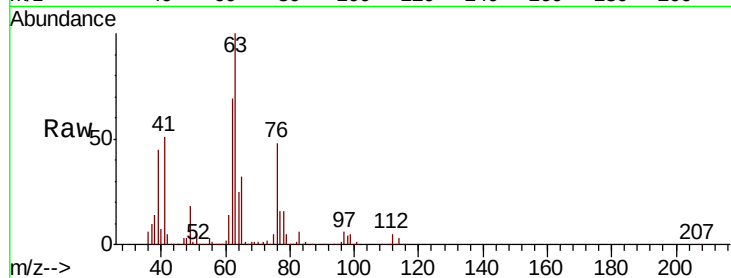




#45
 1,2-Dichloropropane
 Concen: 51.535 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

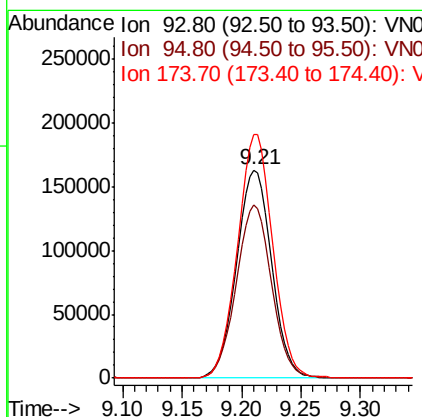
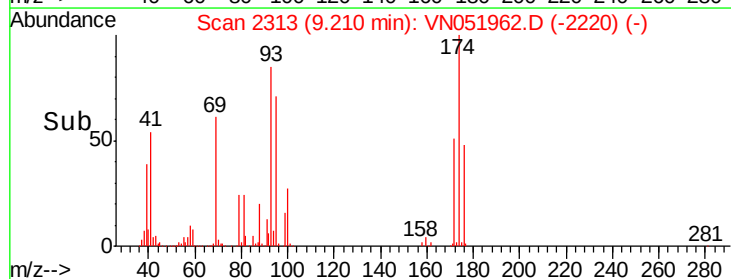
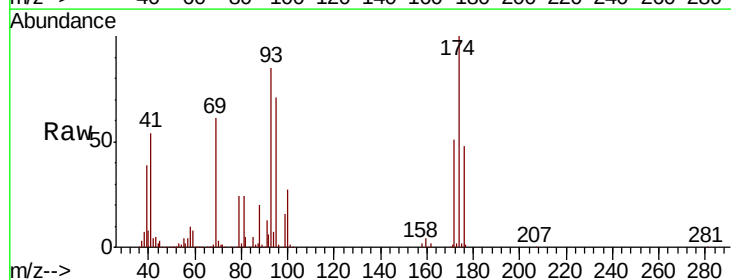
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

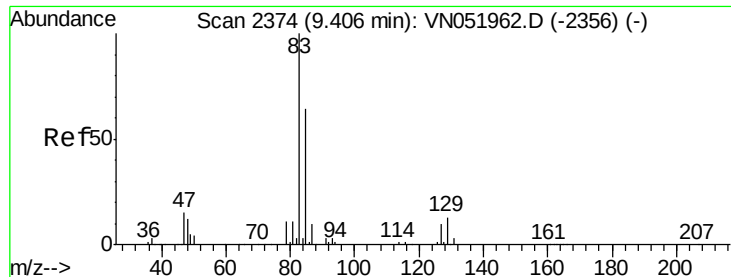
Tgt Ion: 63 Resp: 420070
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.8 38.6



#46
 Dibromomethane
 Concen: 51.024 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 93 Resp: 335265
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 117.2 93.8 140.6

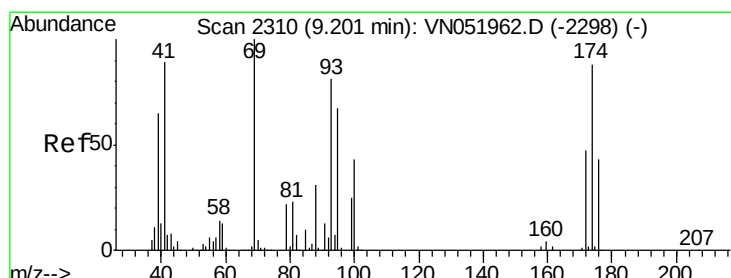
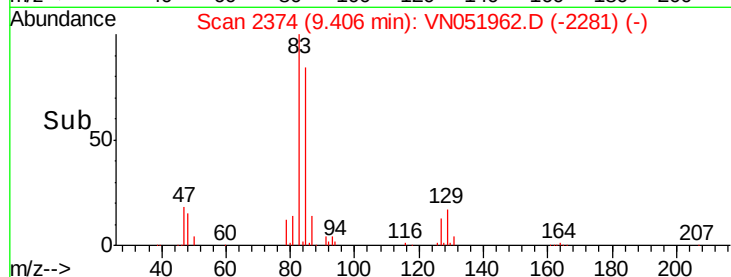
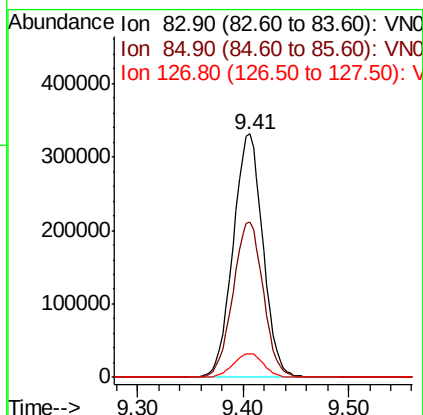
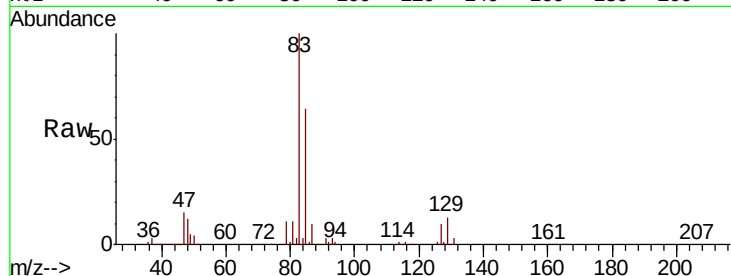




#47
Bromodichloromethane
Concen: 52.246 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

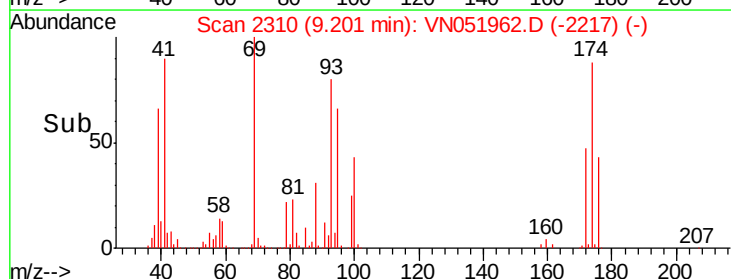
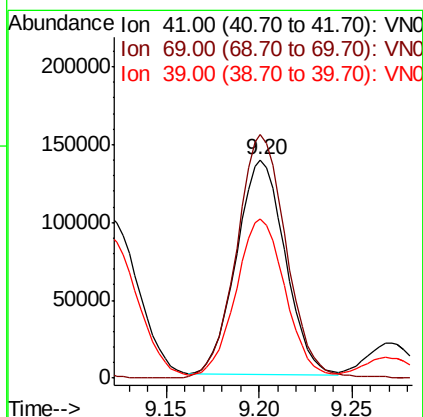
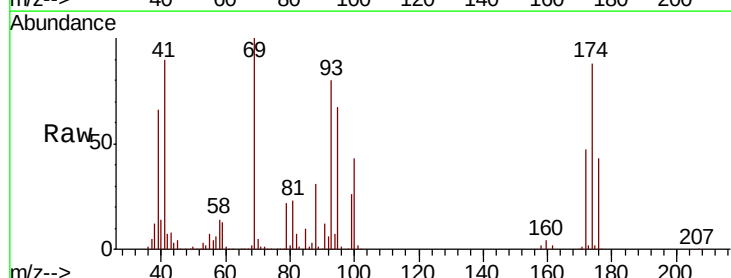
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

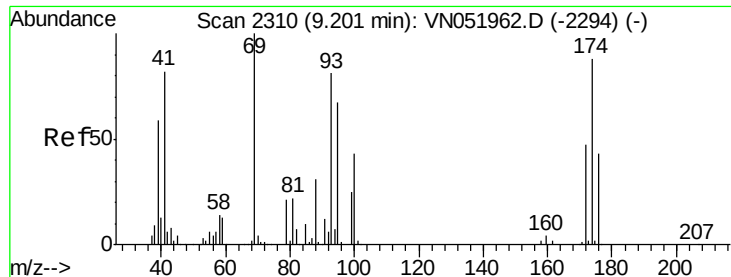
Tgt Ion: 83 Resp: 648344
Ion Ratio Lower Upper
83 100
85 63.7 51.0 76.4
127 9.8 7.8 11.8



#48
Methyl methacrylate
Concen: 51.350 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 41 Resp: 252259
Ion Ratio Lower Upper
41 100
69 115.3 92.2 138.4
39 75.3 60.2 90.4





#49

1,4-Dioxane

Concen: 1115.202 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

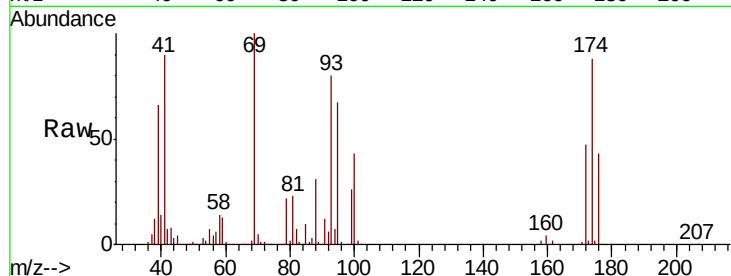
Tgt Ion: 88 Resp: 100456

Ion Ratio Lower Upper

88 100

43 23.5 18.8 28.2

58 49.7 39.8 59.6

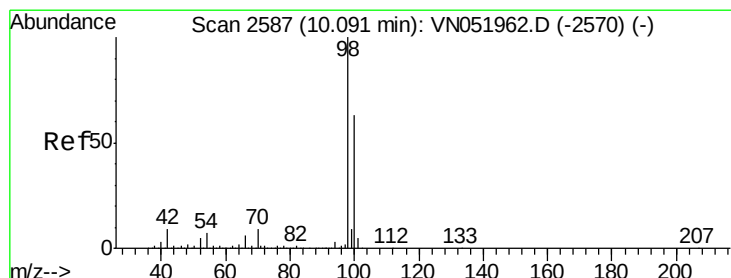
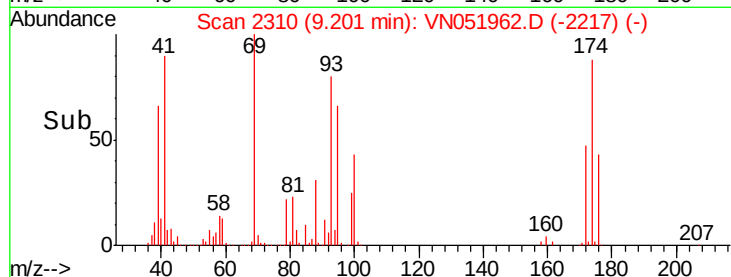
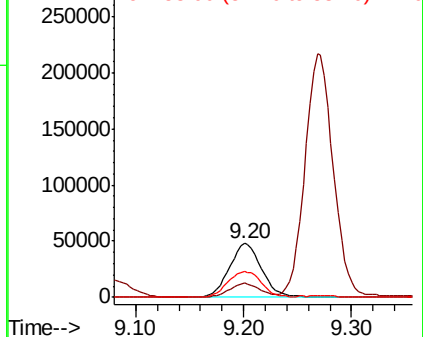


Abundance

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



#50

Toluene-d8

Concen: 1115.202 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051962.D

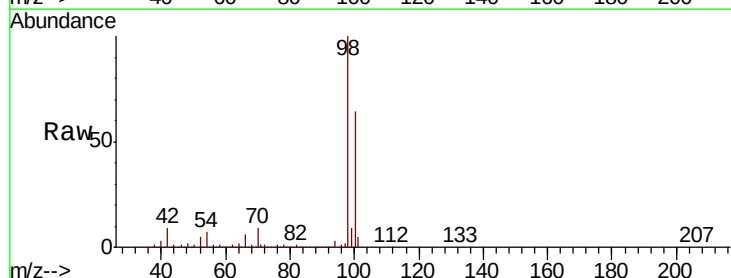
Acq: 23 Oct 2018 14:00

Tgt Ion: 98 Resp: 1864924

Ion Ratio Lower Upper

98 100

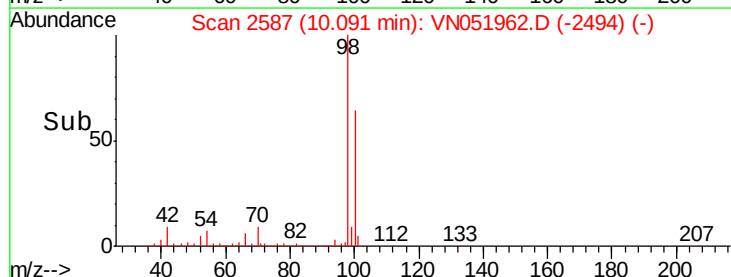
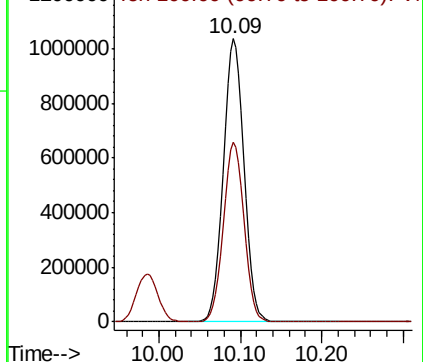
100 63.4 50.7 76.1

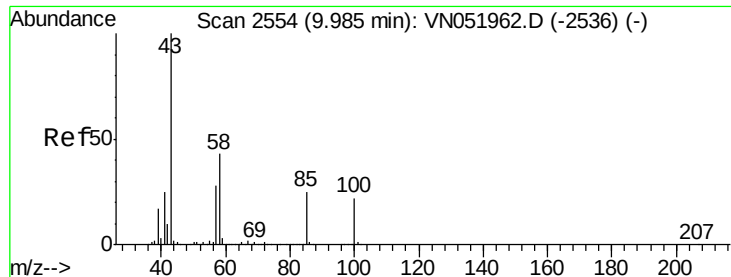


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

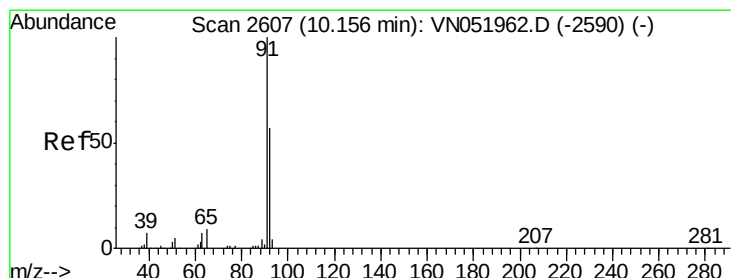
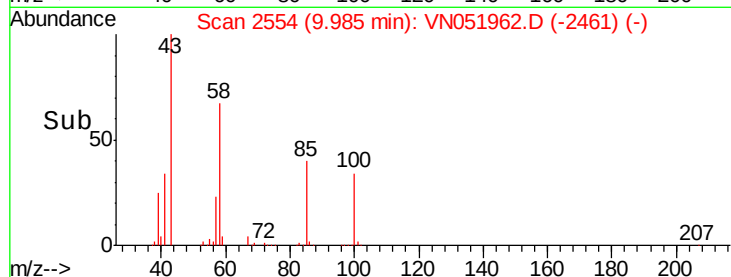
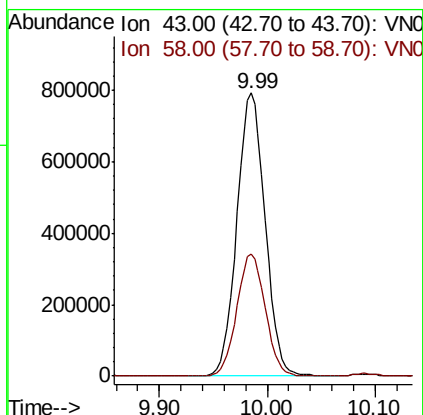
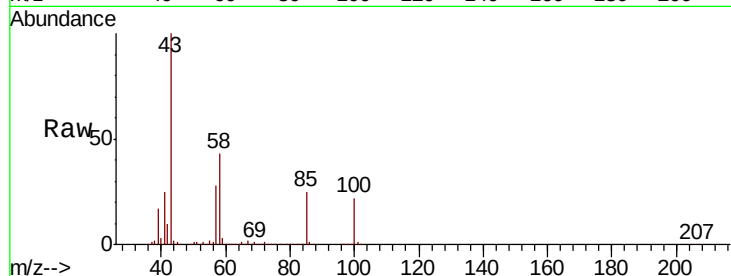




#51
4-Methyl-2-Pentanone
Concen: 257.966 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

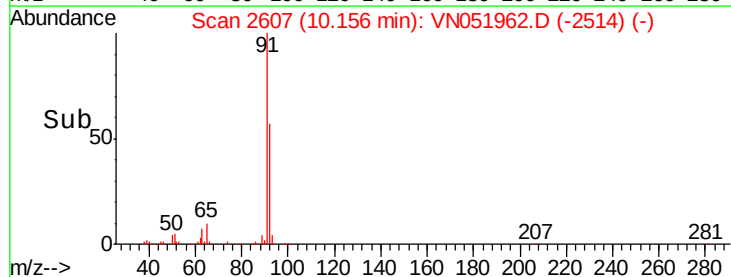
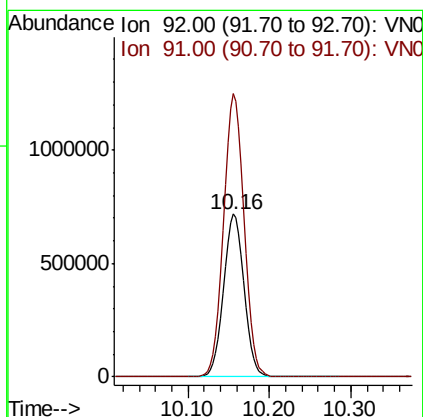
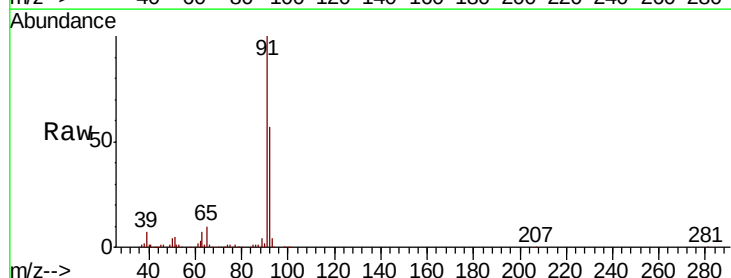
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

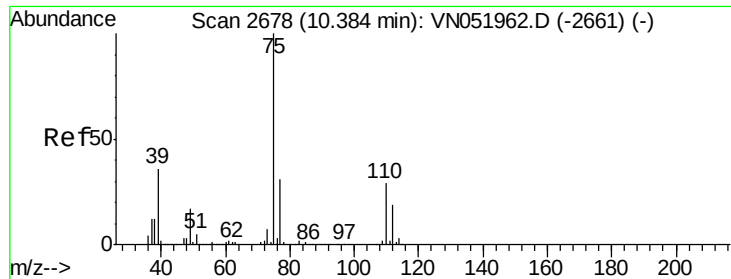
Tgt Ion: 43 Resp: 1442184
Ion Ratio Lower Upper
43 100
58 43.5 34.8 52.2



#52
Toluene
Concen: 52.366 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 92 Resp: 1279543
Ion Ratio Lower Upper
92 100
91 174.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 55.252 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

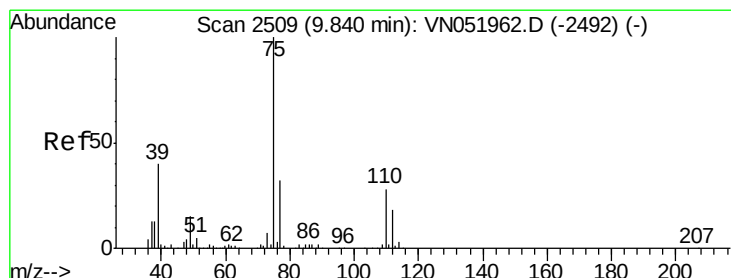
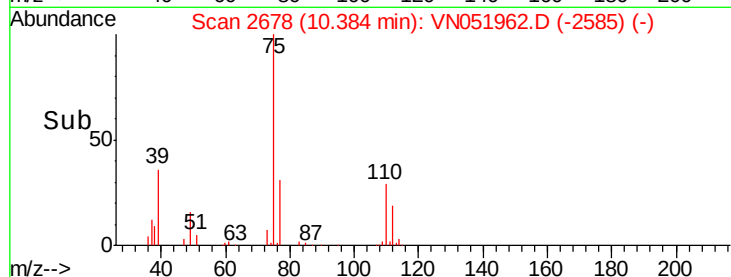
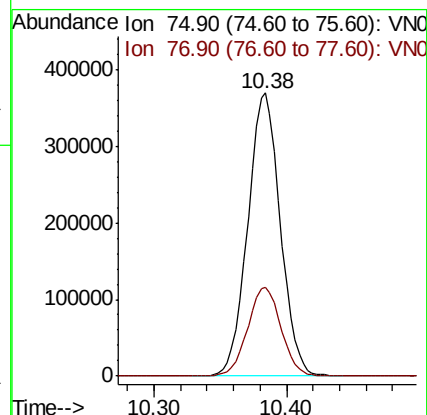
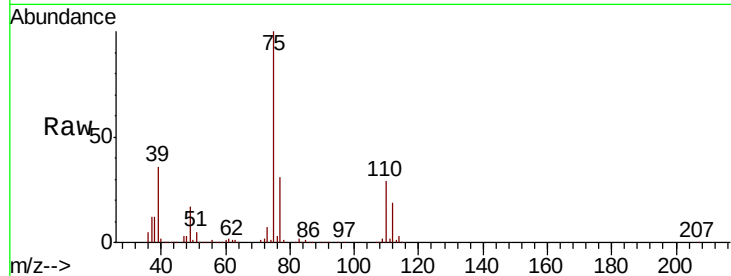
VSTDICCC050

Tgt Ion: 75 Resp: 628209

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.913 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

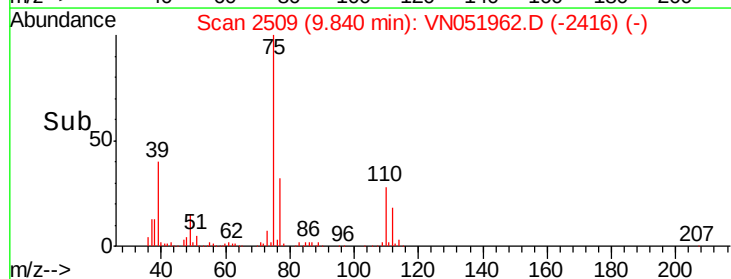
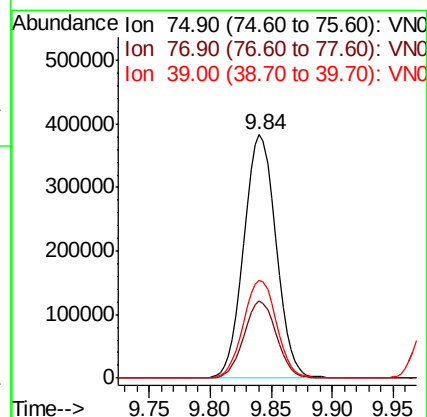
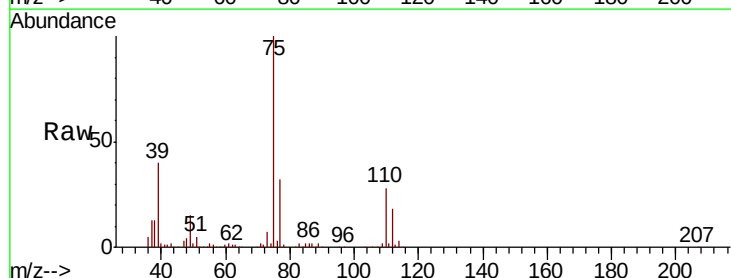
Tgt Ion: 75 Resp: 699271

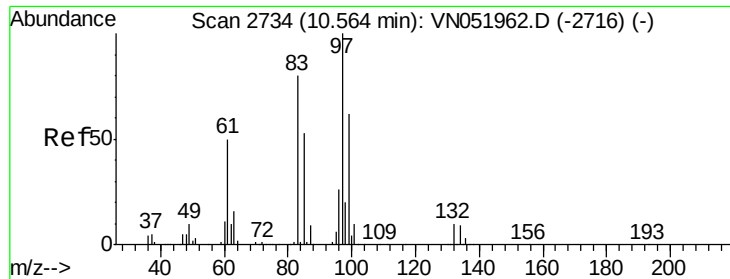
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 40.0 32.0 48.0

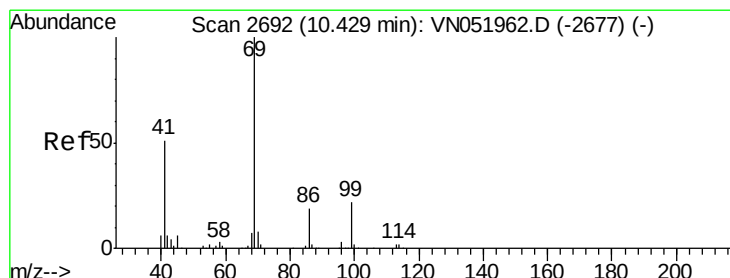
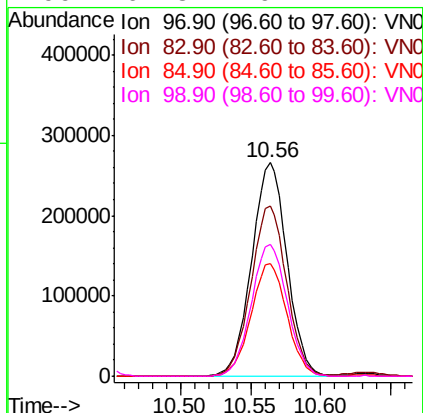
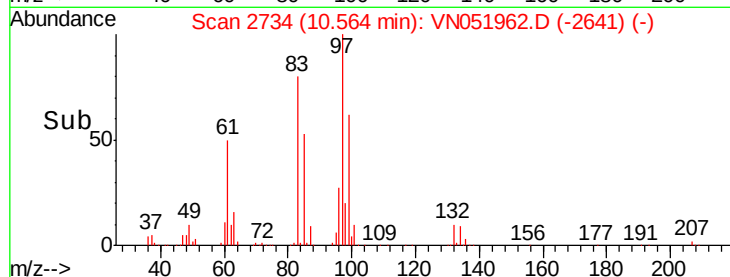
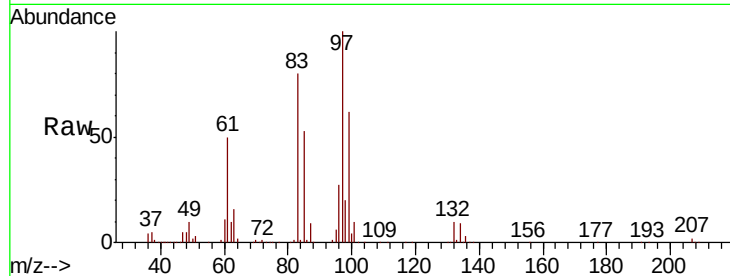




#55
 1,1,2-Trichloroethane
 Concen: 51.596 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

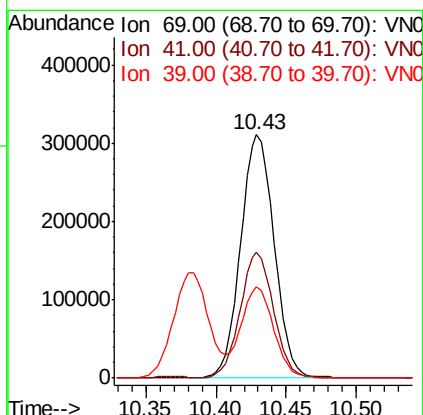
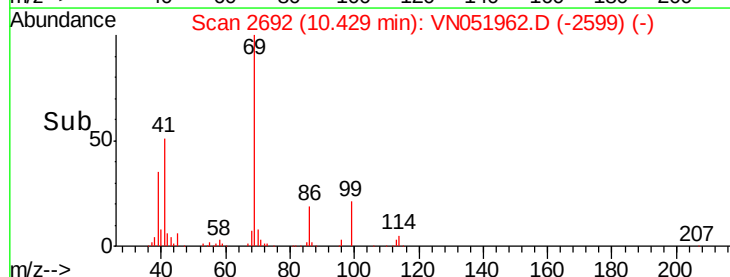
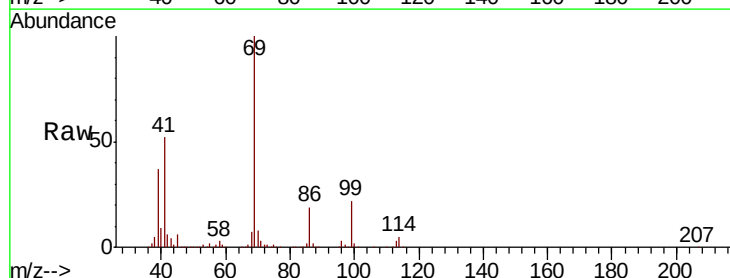
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

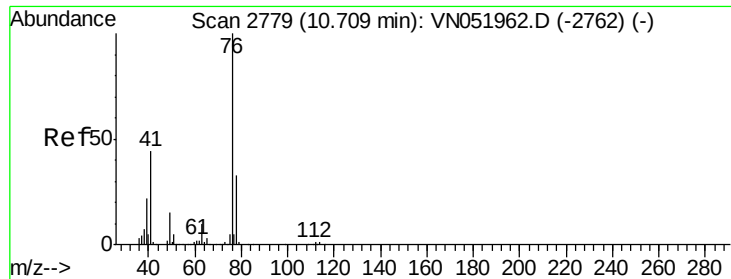
Tgt Ion:	97	Resp:	465807
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.0	96.0
85	53.0	42.4	63.6
99	61.8	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 53.542 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:	69	Resp:	519597
Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	36.6	29.3	43.9

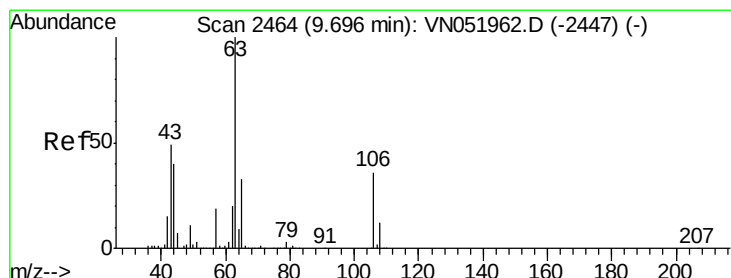
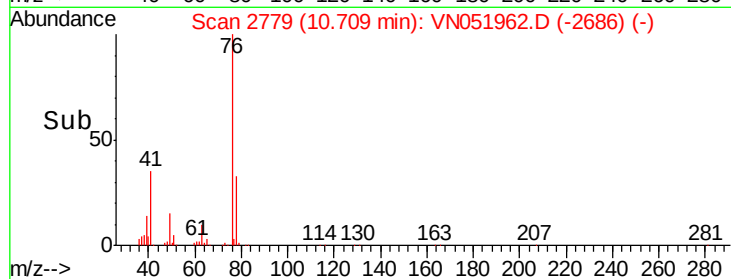
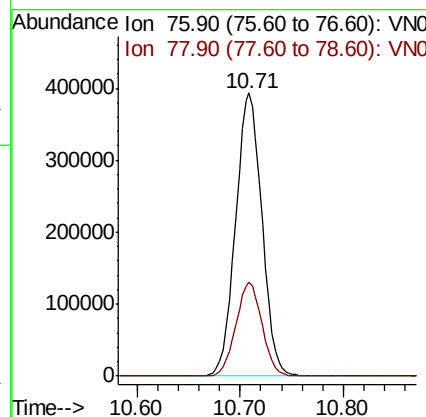
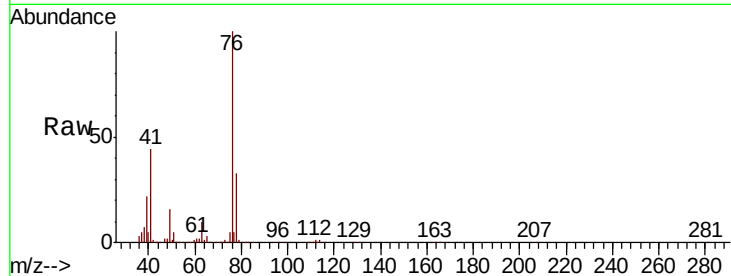




#57
 1,3-Dichloropropane
 Concen: 50.921 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

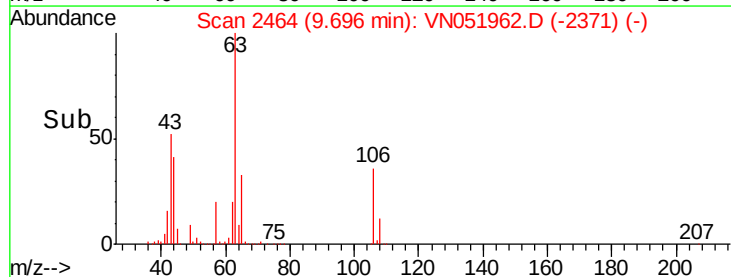
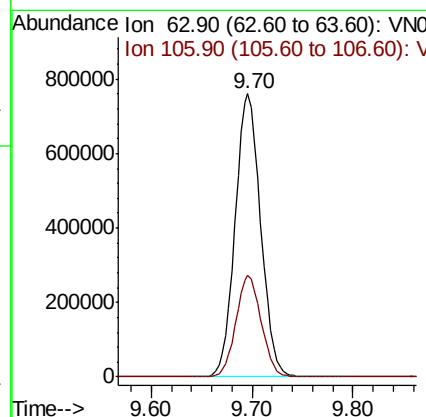
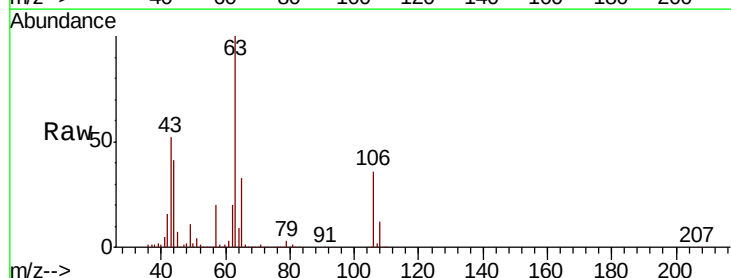
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

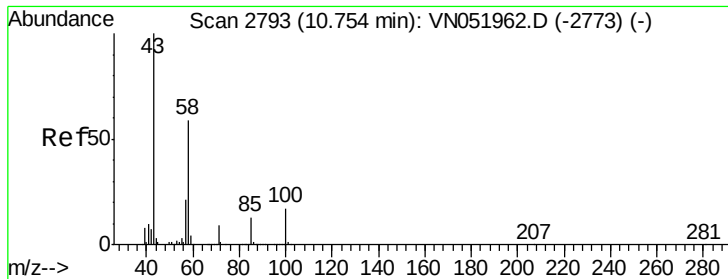
Tgt Ion: 76 Resp: 697904
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.740 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 63 Resp: 1339215
 Ion Ratio Lower Upper
 63 100
 106 35.4 28.3 42.5

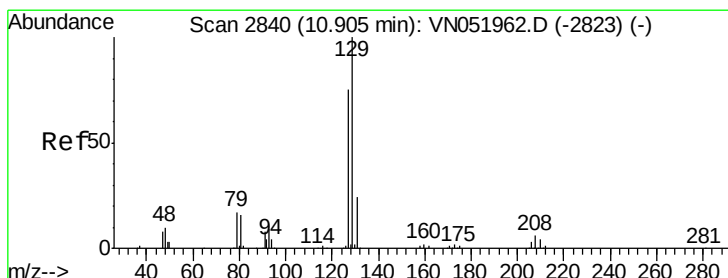
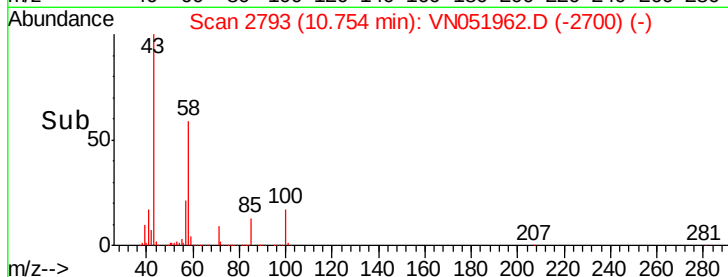
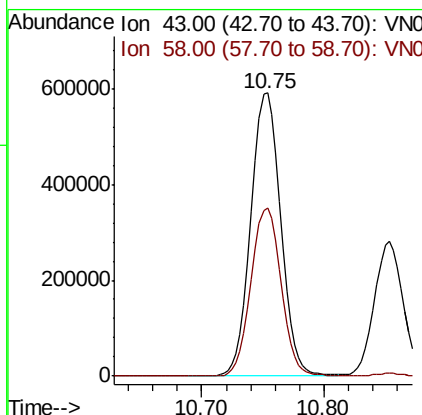
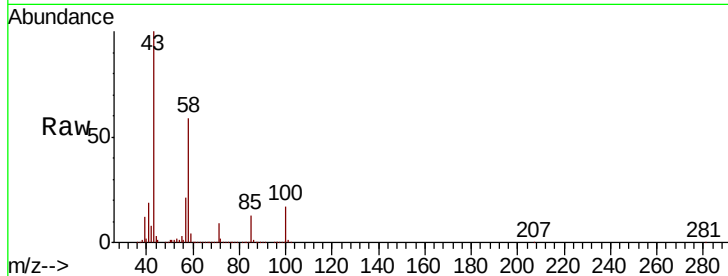




#59
2-Hexanone
Concen: 265.680 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

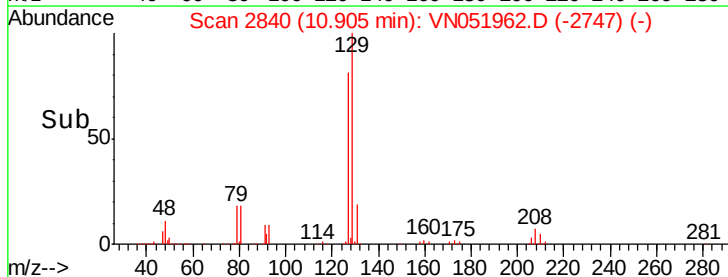
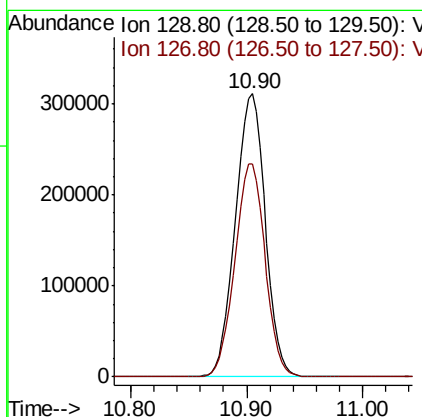
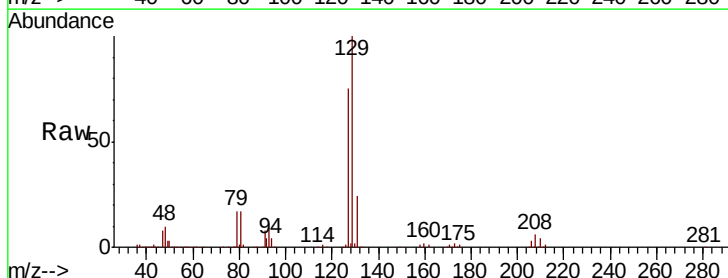
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

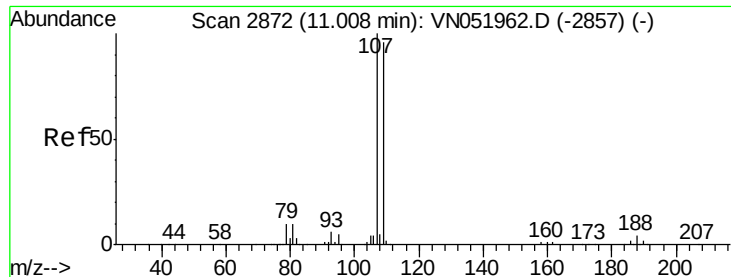
Tgt Ion: 43 Resp: 997972
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.8



#60
Dibromochloromethane
Concen: 54.898 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 129 Resp: 555416
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.0

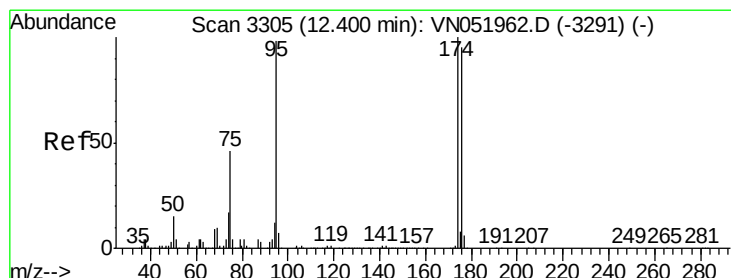
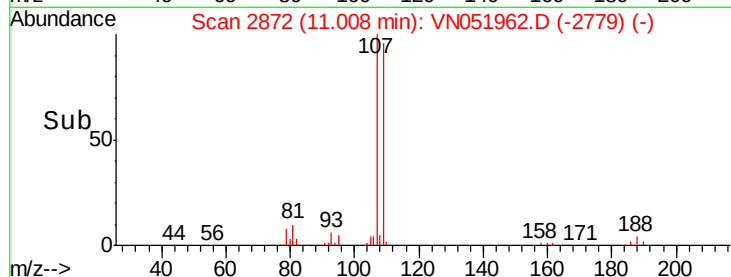
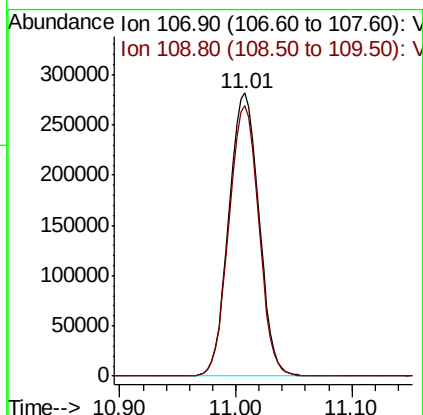
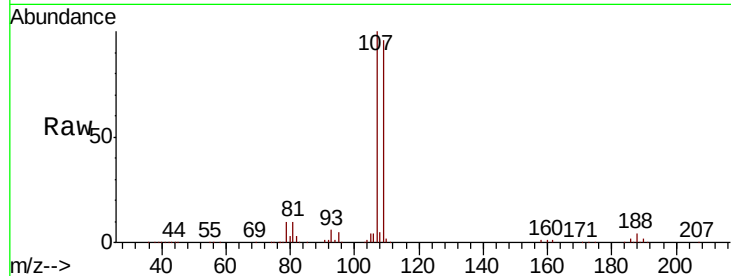




#61
 1,2-Dibromoethane
 Concen: 53.134 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

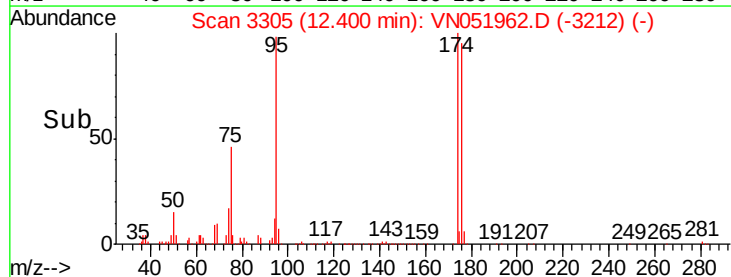
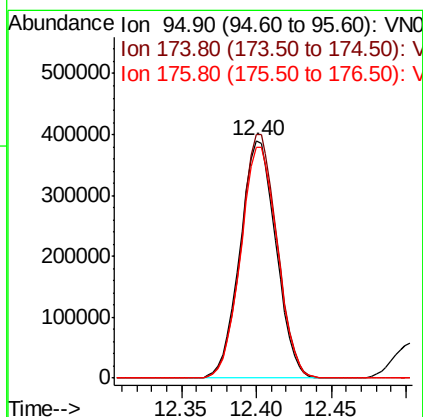
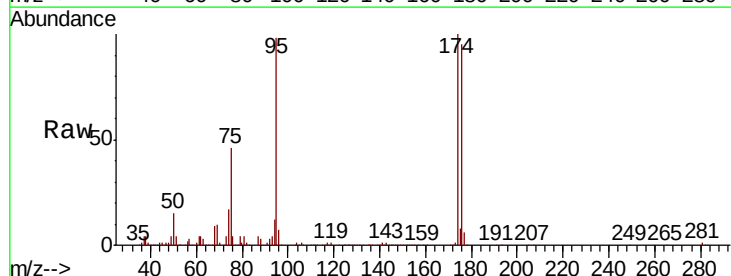
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

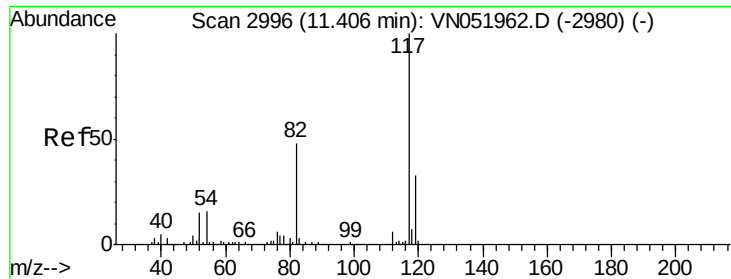
Tgt Ion: 107 Resp: 505779
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 53.134 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 95 Resp: 653210
 Ion Ratio Lower Upper
 95 100
 174 103.0 0.0 206.0
 176 99.0 0.0 198.0

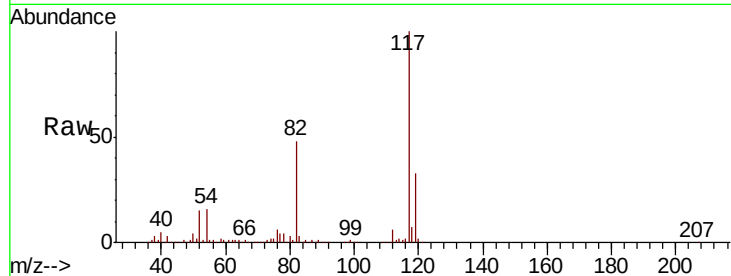




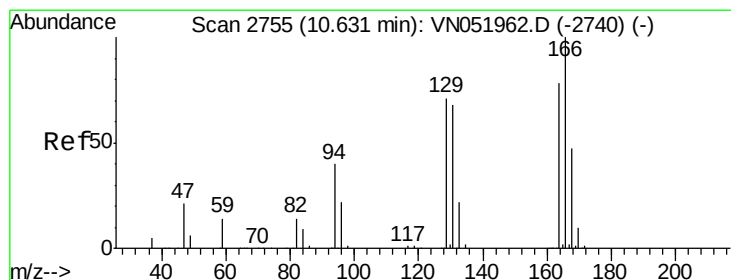
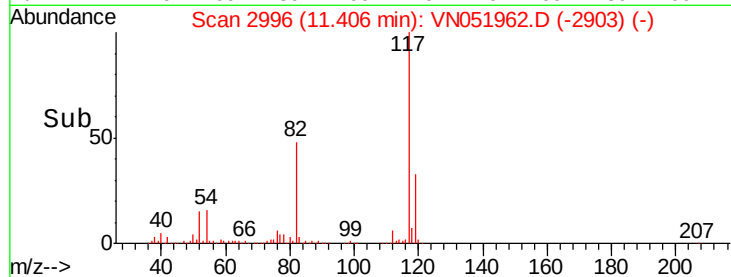
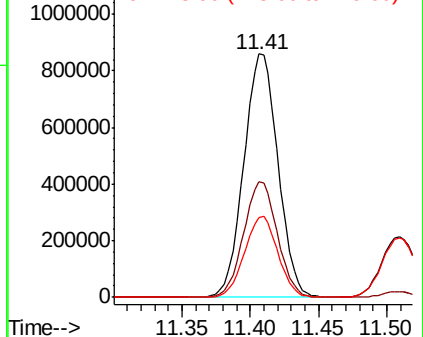
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tgt Ion:117 Resp: 1492058
Ion Ratio Lower Upper
117 100
82 47.6 38.1 57.1
119 33.0 26.4 39.6

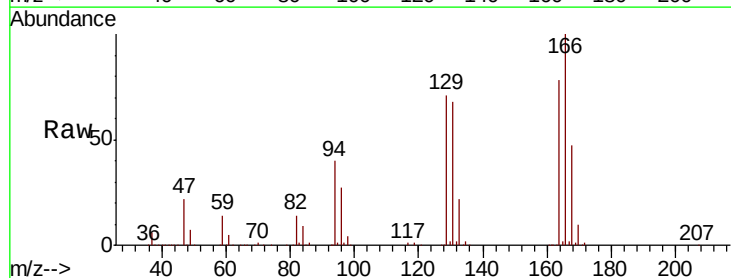


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

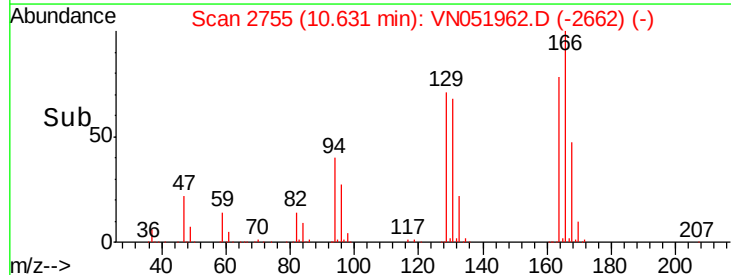
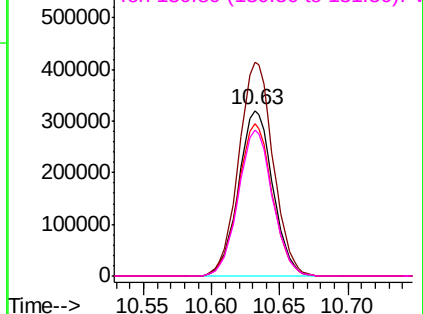


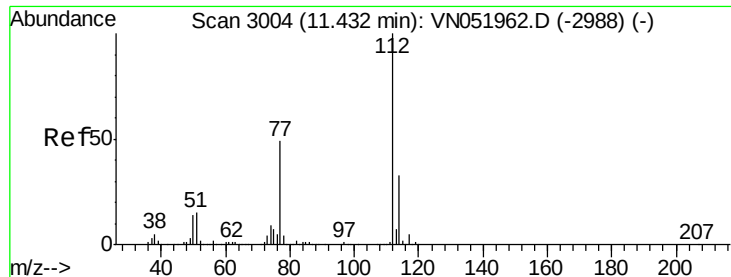
#64
Tetrachloroethene
Concen: 48.763 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:164 Resp: 558432
Ion Ratio Lower Upper
164 100
166 128.9 103.1 154.7
129 92.0 73.6 110.4
131 87.9 70.3 105.5



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

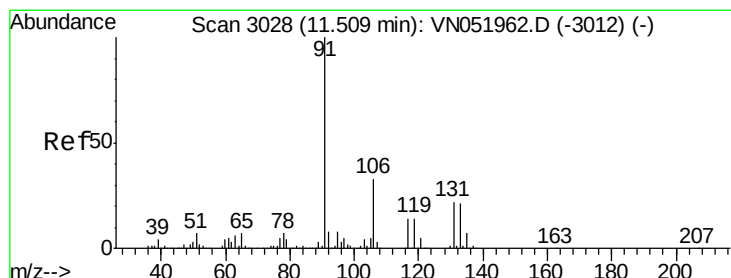
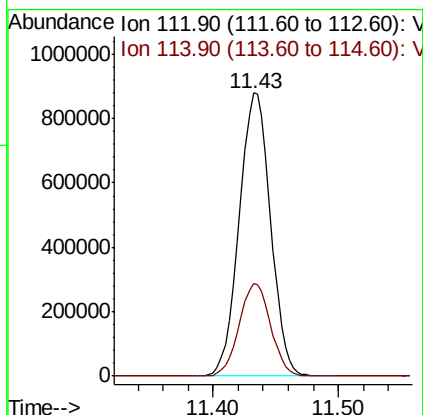
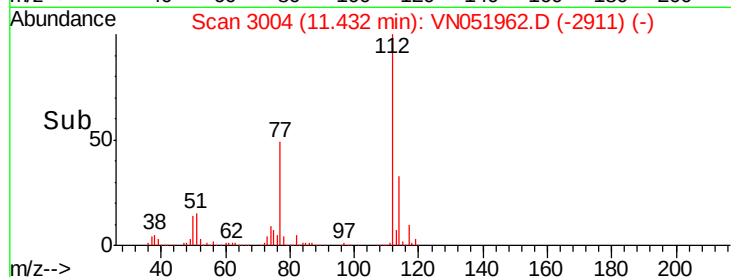
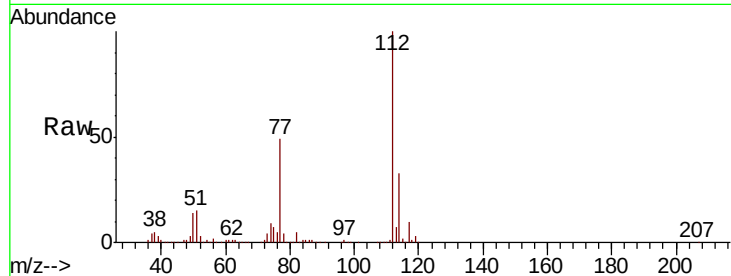




#65
Chlorobenzene
Concen: 50.764 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

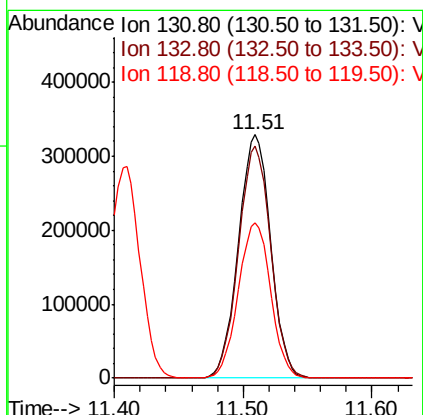
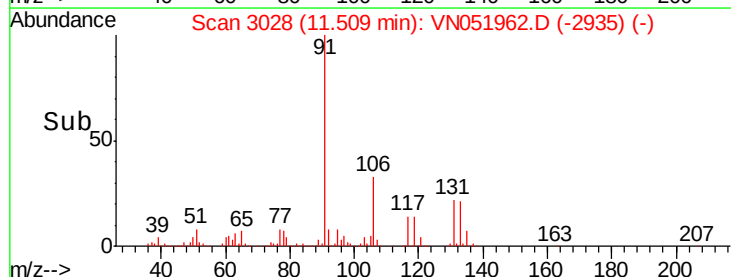
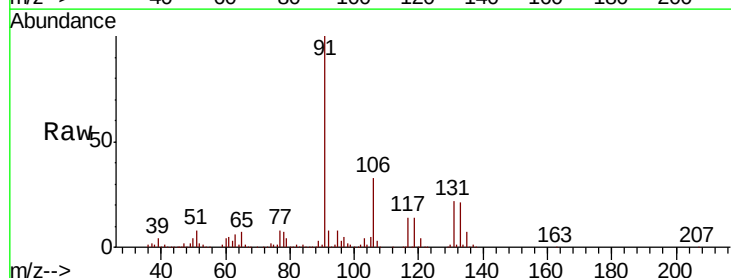
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

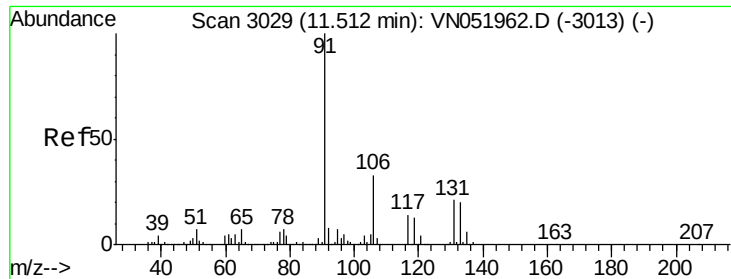
Tgt Ion:112 Resp: 1529264
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.775 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:131 Resp: 571451
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.1 32.0 96.2





#67

Ethyl Benzene

Concen: 51.554 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

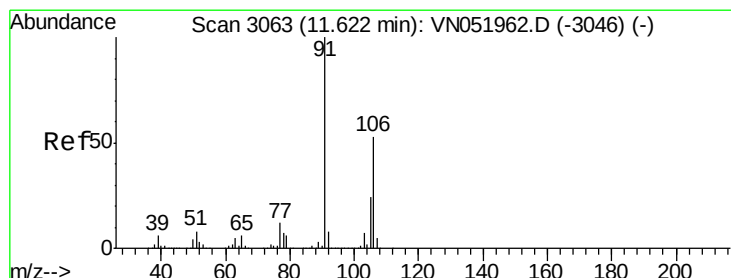
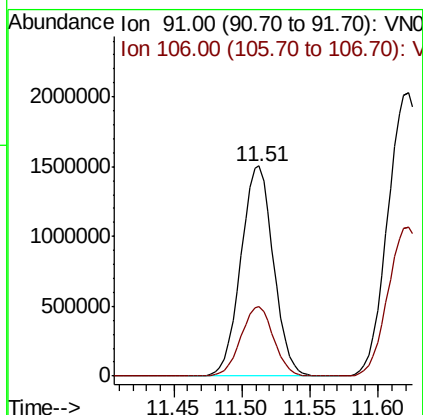
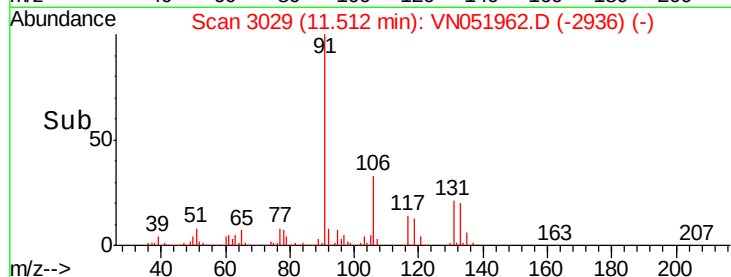
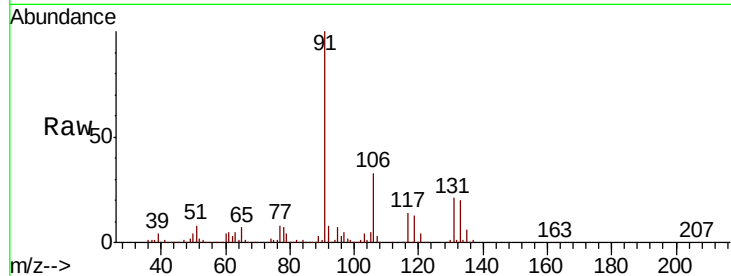
VSTDICCC050

Tgt Ion: 91 Resp: 2496448

Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6



#68

m/p-Xylenes

Concen: 106.223 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051962.D

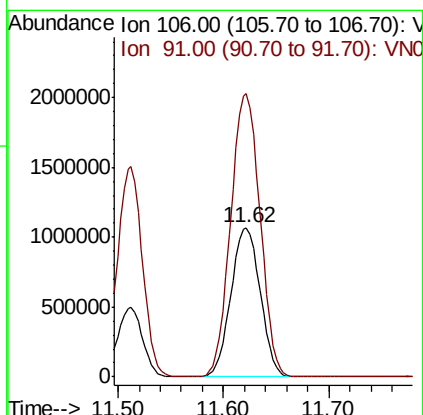
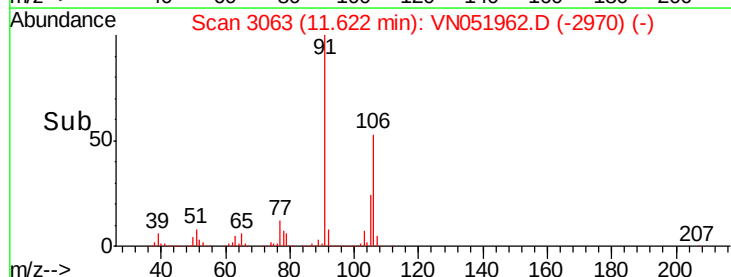
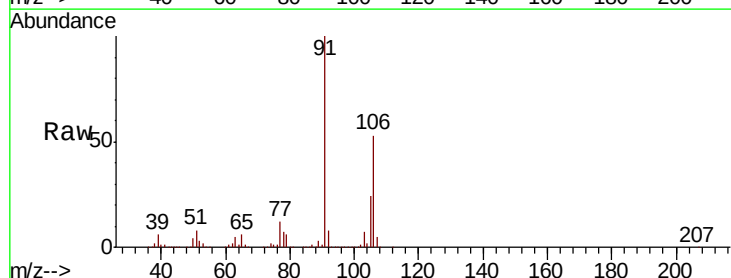
Acq: 23 Oct 2018 14:00

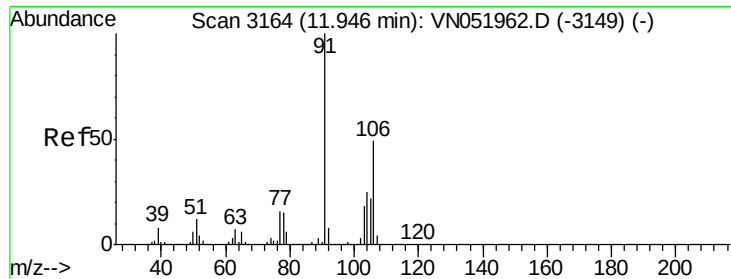
Tgt Ion: 106 Resp: 2055143

Ion Ratio Lower Upper

106 100

91 190.2 152.2 228.2

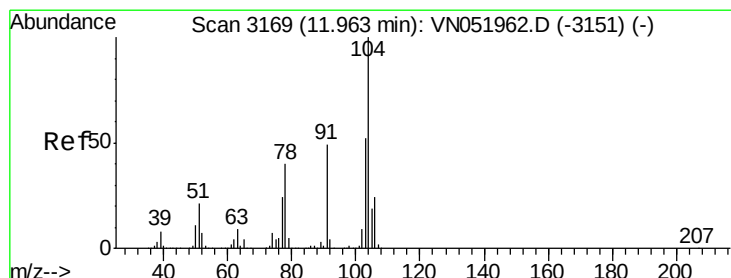
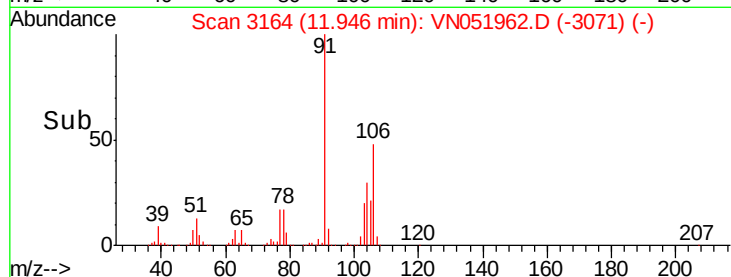
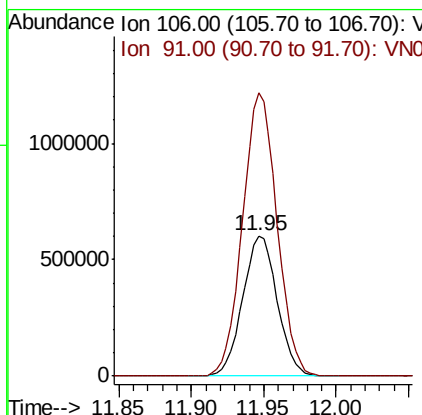
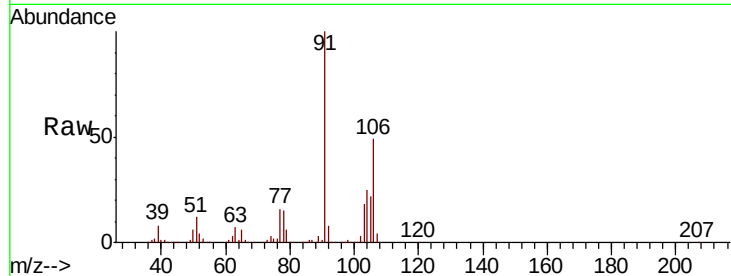




#69
o-Xylene
Concen: 52.861 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

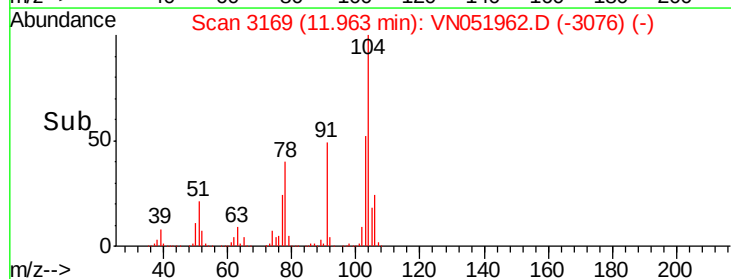
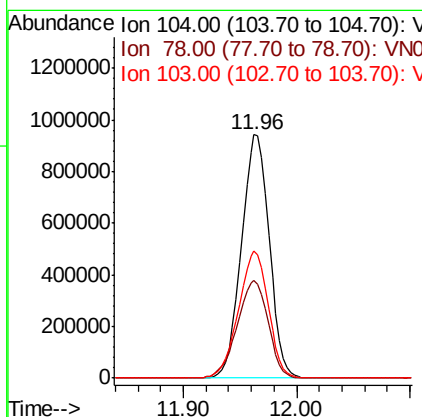
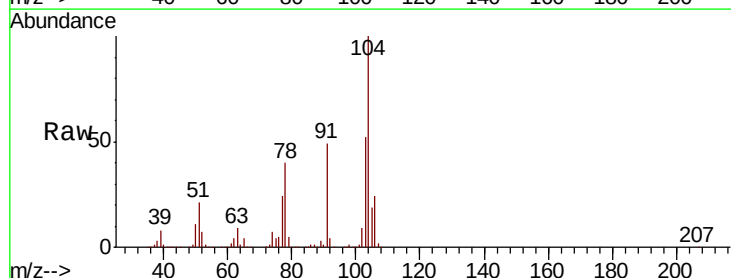
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

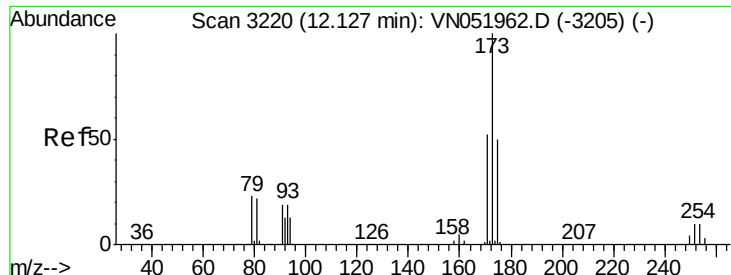
Tgt Ion:106 Resp: 994644
Ion Ratio Lower Upper
106 100
91 202.0 101.0 303.0



#70
Styrene
Concen: 53.661 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:104 Resp: 1613808
Ion Ratio Lower Upper
104 100
78 44.7 35.8 53.6
103 56.1 44.9 67.3

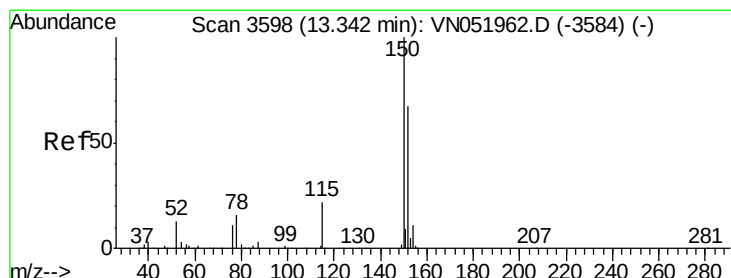
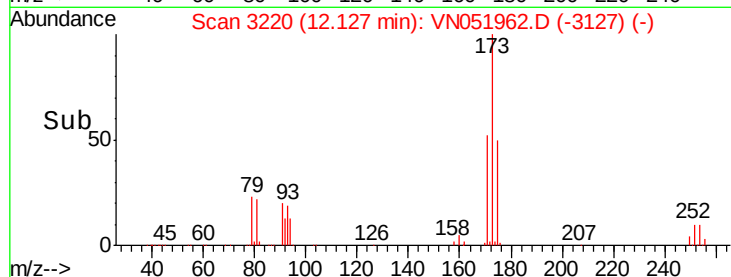
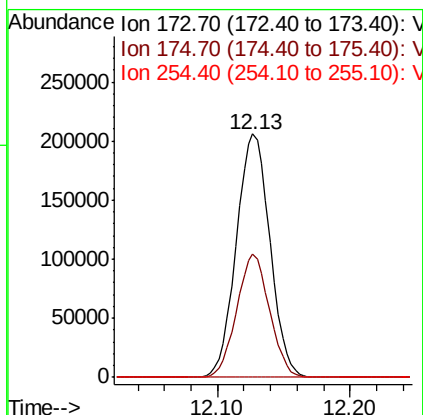
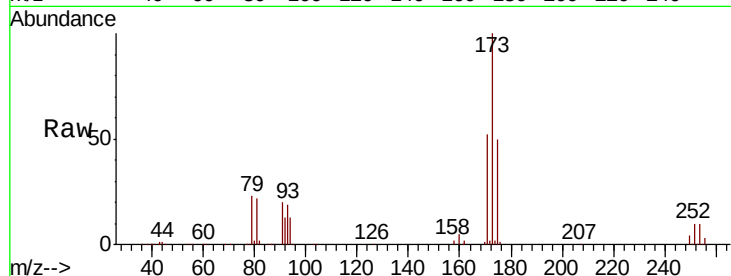




#71
Bromoform
Concen: 54.831 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

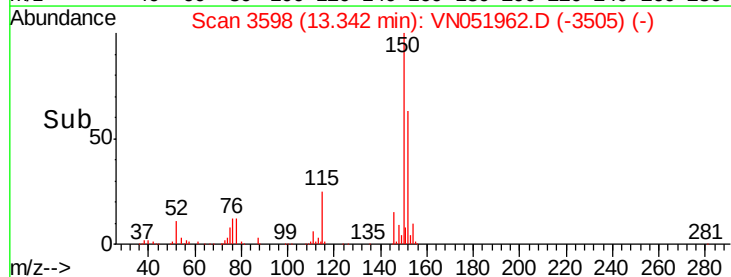
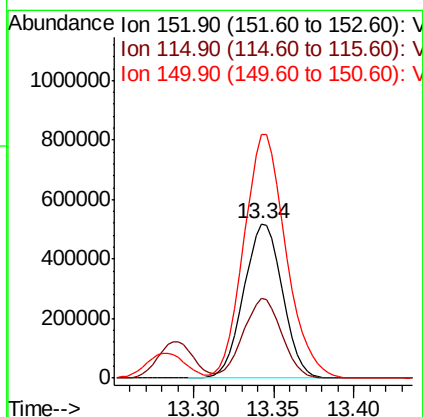
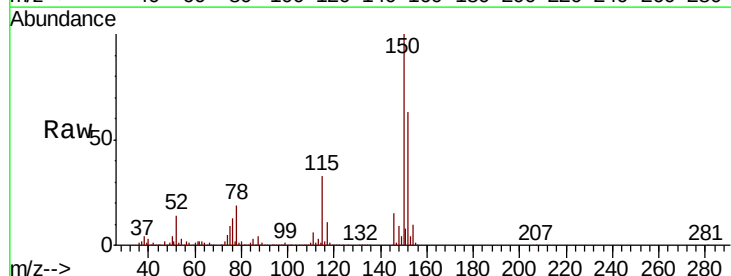
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

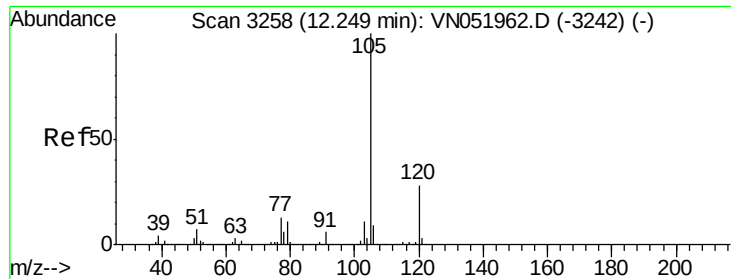
Tgt Ion:173 Resp: 362160
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:152 Resp: 855733
Ion Ratio Lower Upper
152 100
115 51.5 25.8 77.3
150 172.2 0.0 344.4





#73

Isopropylbenzene

Concen: 49.722 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

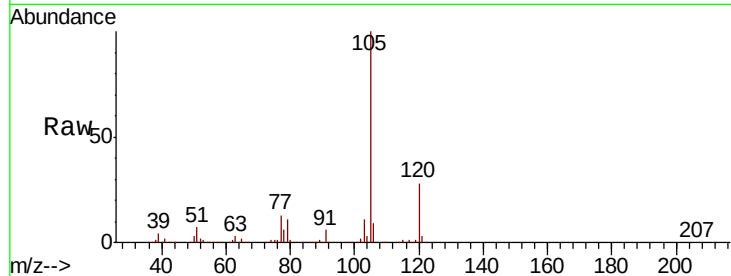
VSTDICCC050

Tgt Ion: 105 Resp: 2698452

Ion Ratio Lower Upper

105 100

120 27.9 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

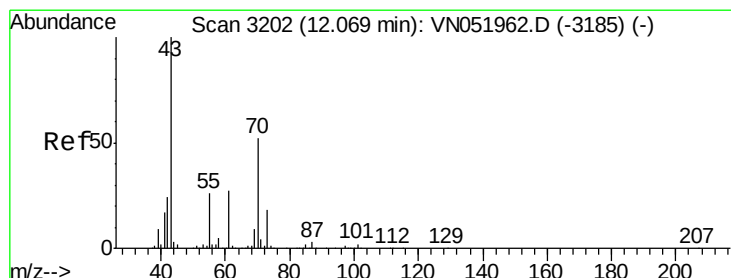
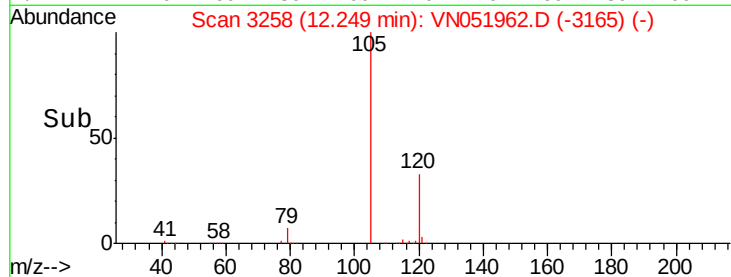
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 48.496 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion: 43 Resp: 518040

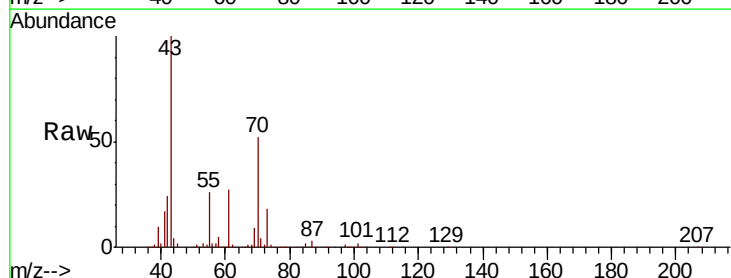
Ion Ratio Lower Upper

43 100

70 51.6 41.3 61.9

55 26.5 21.2 31.8

61 27.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

100000

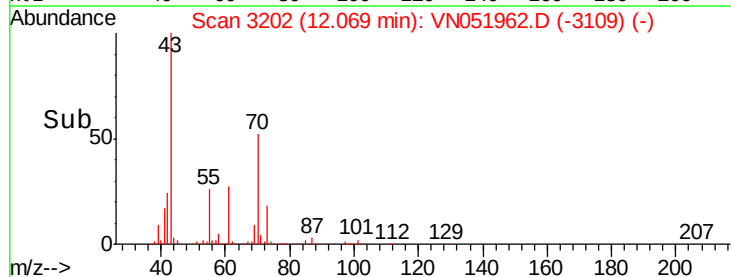
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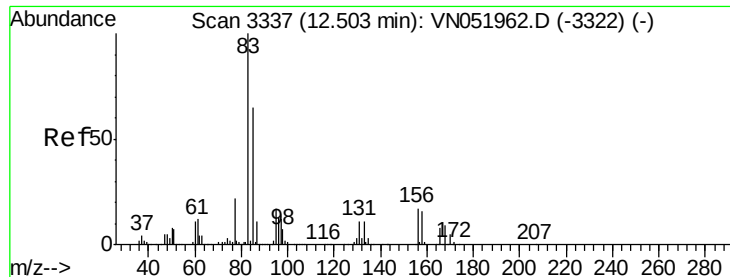
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.800 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

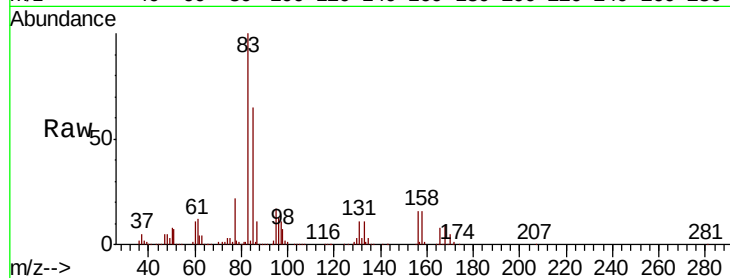
Tgt Ion: 83 Resp: 547228

Ion Ratio Lower Upper

83 100

131 12.4 6.2 18.6

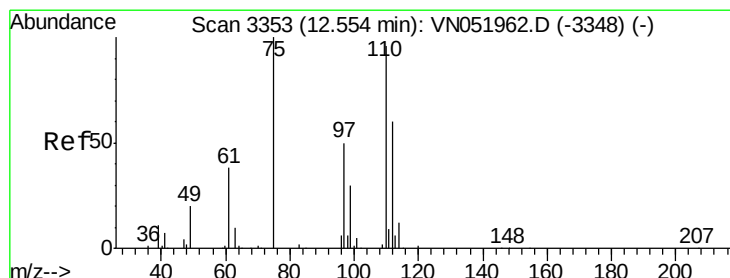
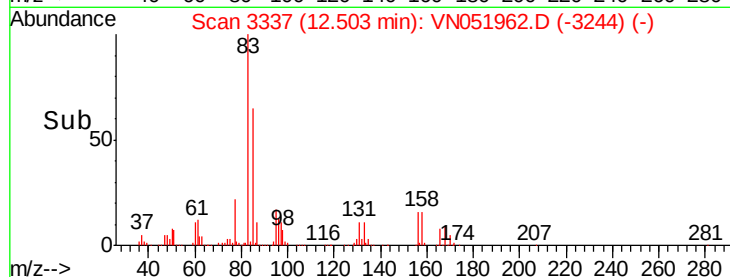
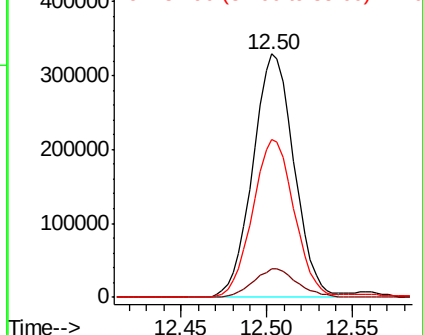
85 65.4 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 75.395 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051962.D

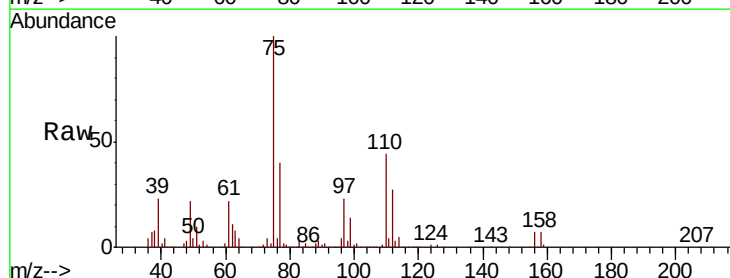
Acq: 23 Oct 2018 14:00

Tgt Ion: 75 Resp: 657049

Ion Ratio Lower Upper

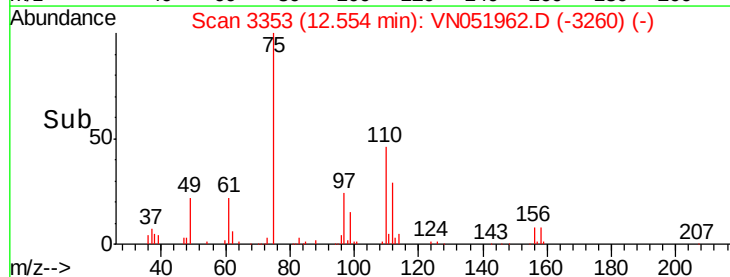
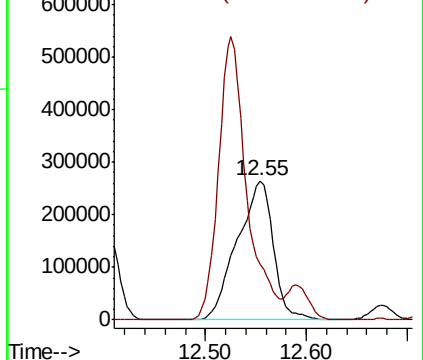
75 100

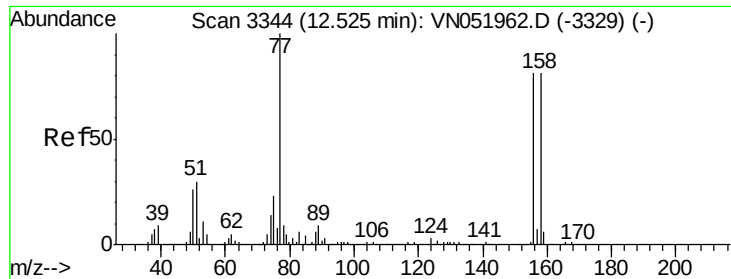
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

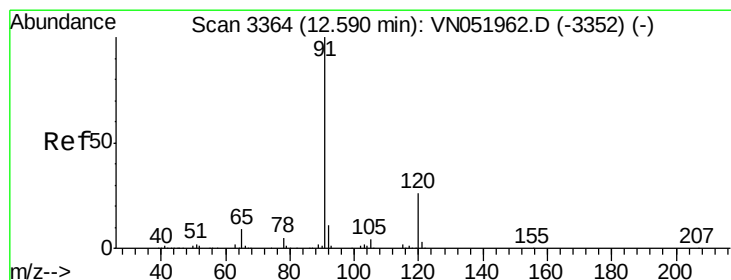
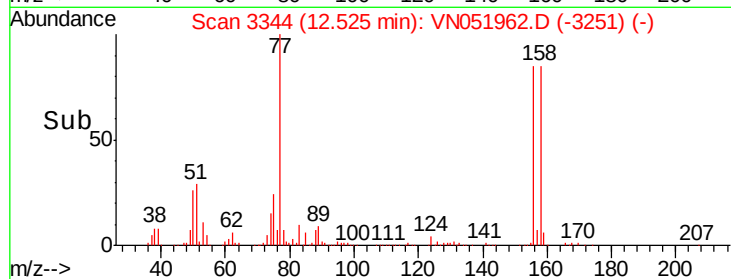
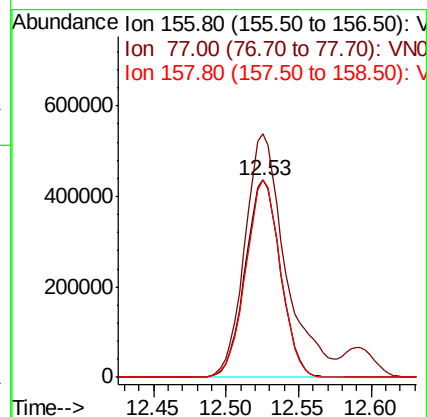
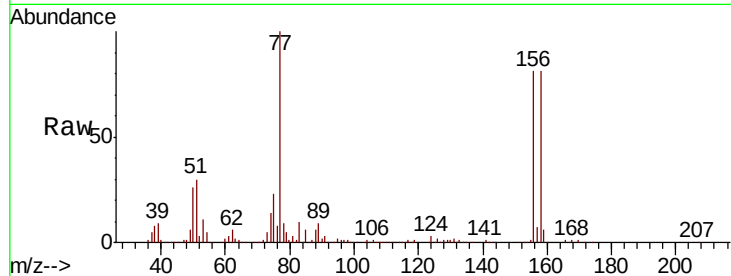




#77
Bromobenzene
Concen: 49.271 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

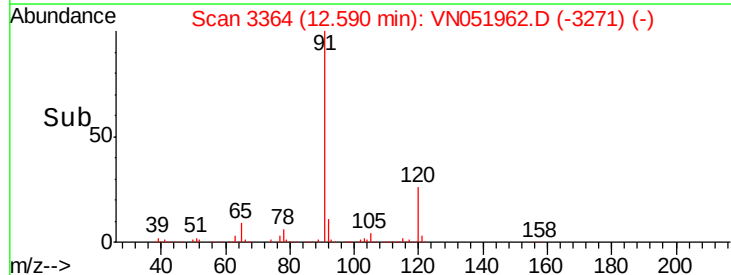
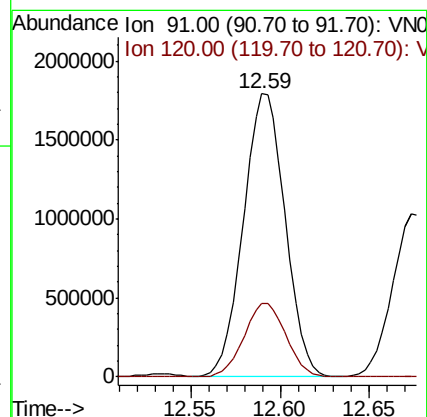
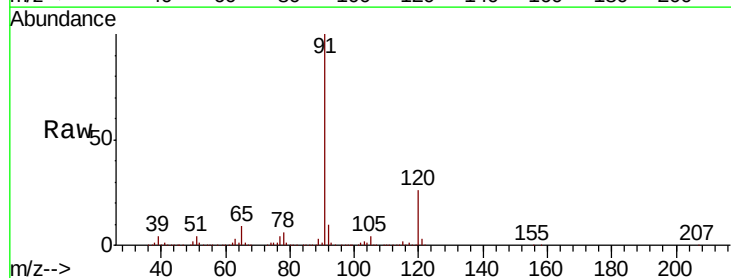
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

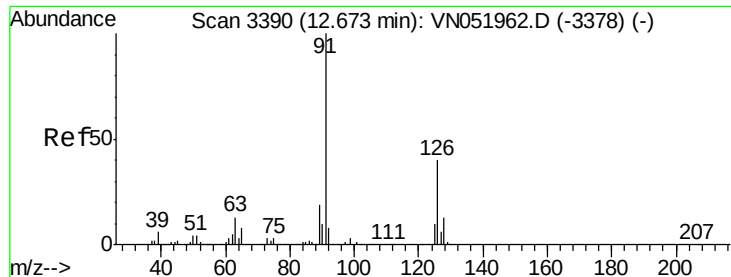
Tgt Ion:156 Resp: 737966
Ion Ratio Lower Upper
156 100
77 142.2 71.1 213.3
158 98.5 49.3 147.8



#78
n-propylbenzene
Concen: 49.986 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 91 Resp: 2926406
Ion Ratio Lower Upper
91 100
120 26.2 13.1 39.3





#79

2-Chlorotoluene

Concen: 49.522 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

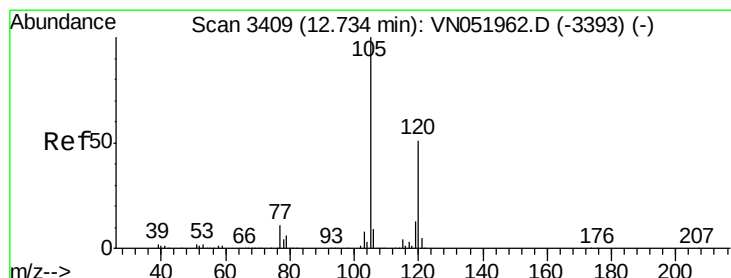
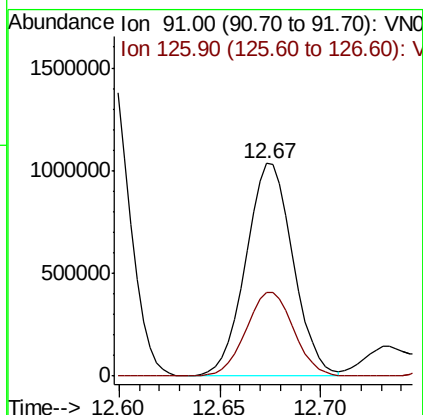
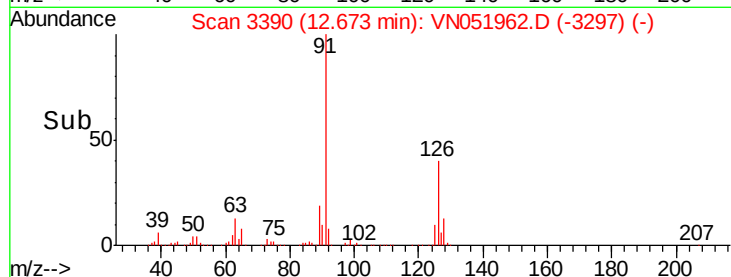
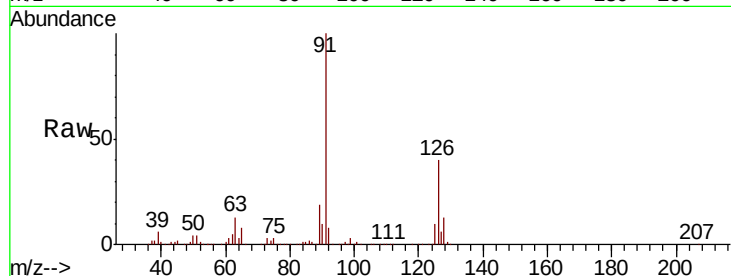
VSTDICCC050

Tgt Ion: 91 Resp: 1688339

Ion Ratio Lower Upper

91 100

126 40.2 20.1 60.3



#80

1,3,5-Trimethylbenzene

Concen: 51.341 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051962.D

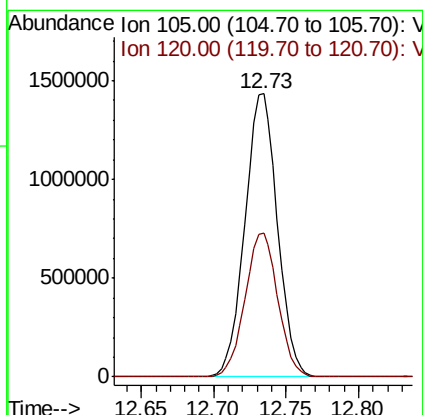
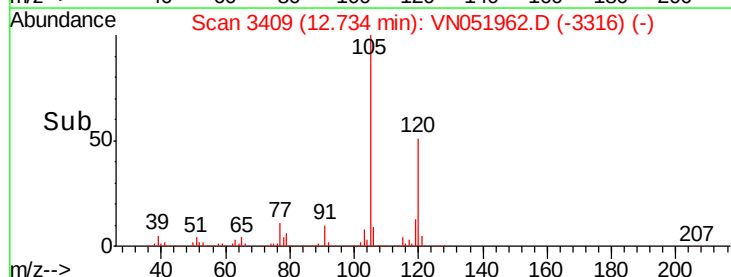
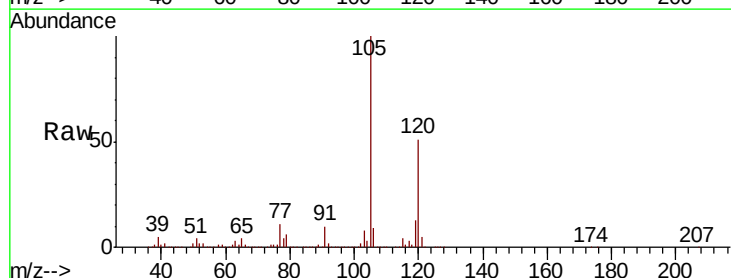
Acq: 23 Oct 2018 14:00

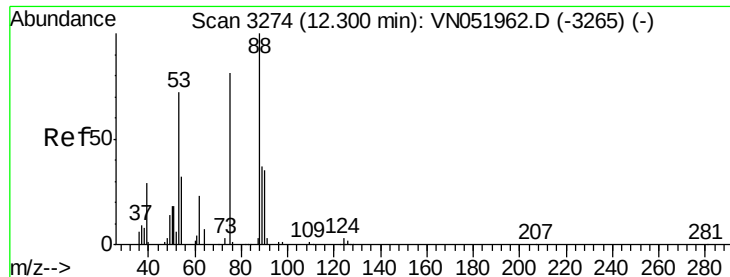
Tgt Ion: 105 Resp: 2235461

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 55.286 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

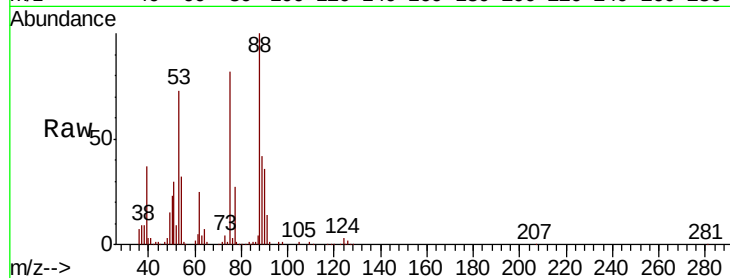
Tgt Ion: 75 Resp: 131732

Ion Ratio Lower Upper

75 100

53 91.9 73.5 110.3

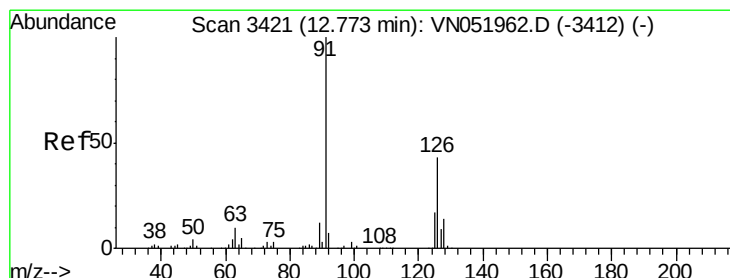
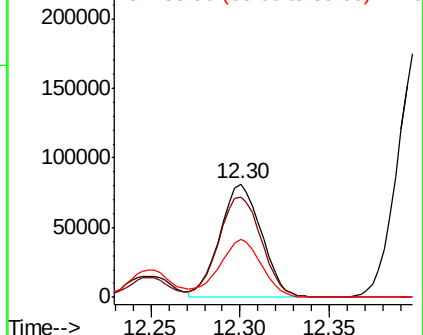
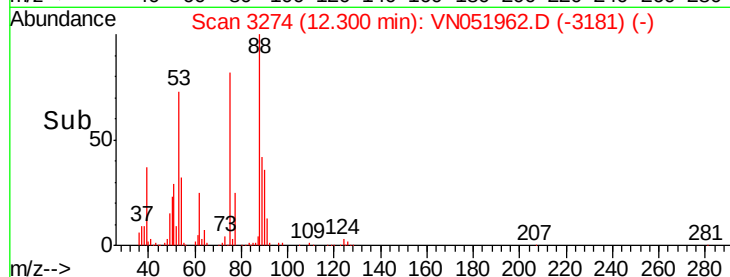
89 52.0 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.062 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051962.D

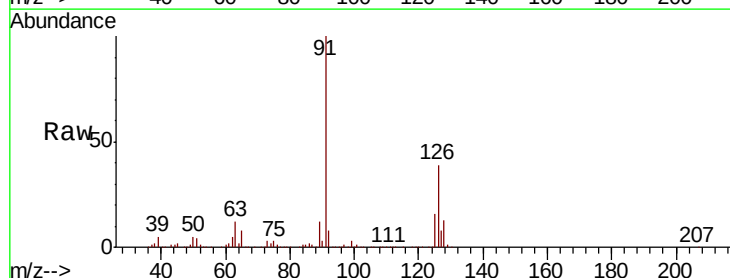
Acq: 23 Oct 2018 14:00

Tgt Ion: 91 Resp: 1767097

Ion Ratio Lower Upper

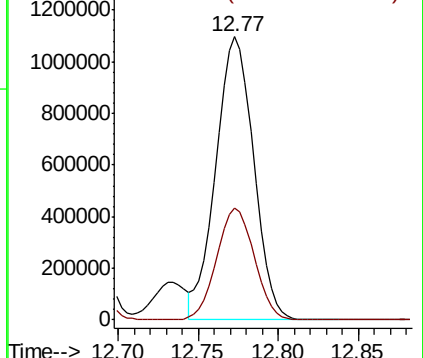
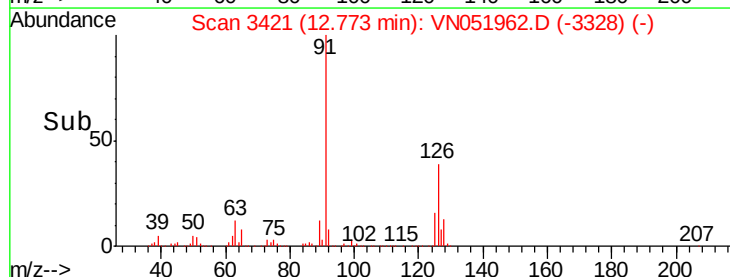
91 100

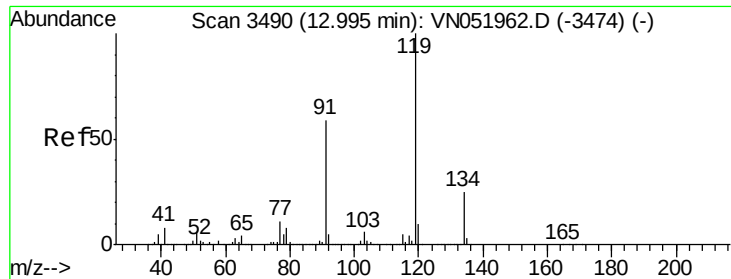
126 39.3 19.7 59.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

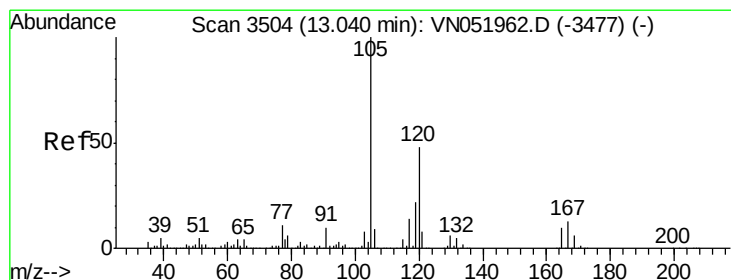
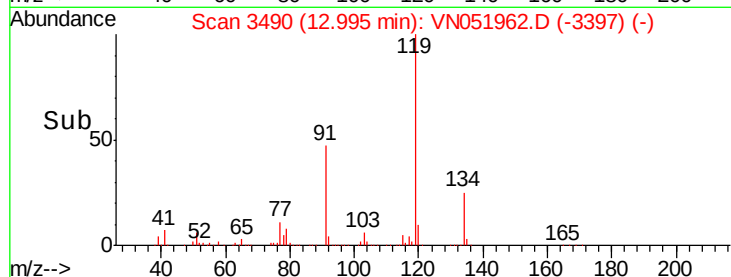
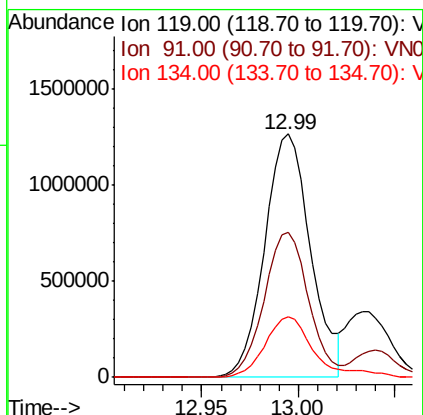
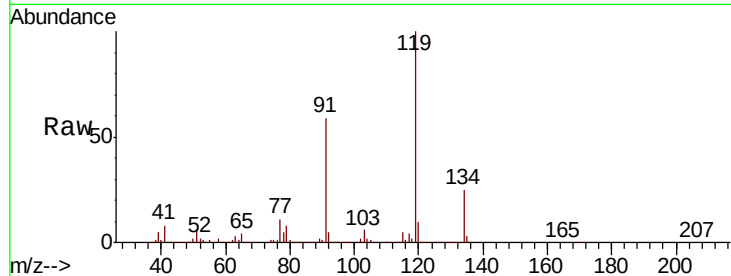




#83
 tert-Butylbenzene
 Concen: 50.862 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

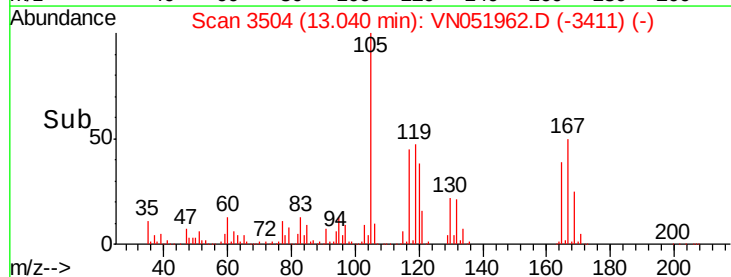
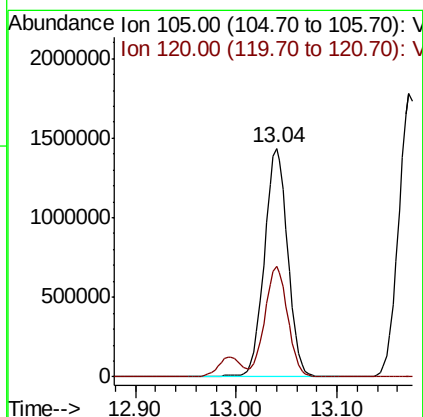
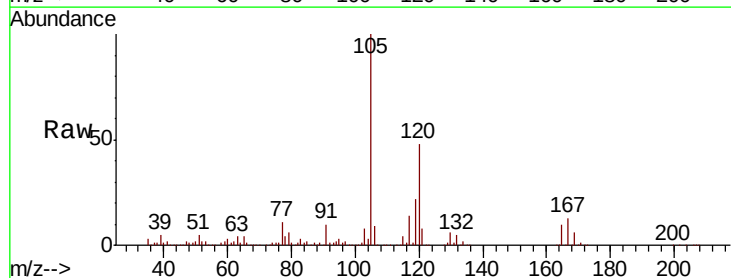
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

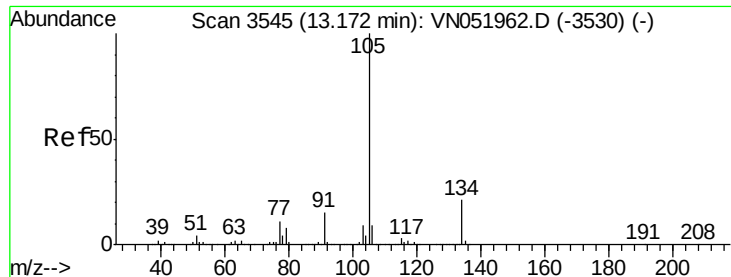
Tgt Ion:119 Resp: 2094597
 Ion Ratio Lower Upper
 119 100
 91 57.6 28.8 86.4
 134 26.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.286 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:105 Resp: 2303417
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#85

sec-Butylbenzene

Concen: 51.009 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

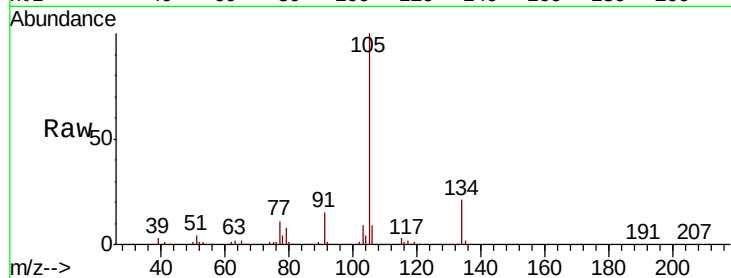
VSTDICCC050

Tgt Ion:105 Resp: 2743545

Ion Ratio Lower Upper

105 100

134 21.9 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

2000000

1500000

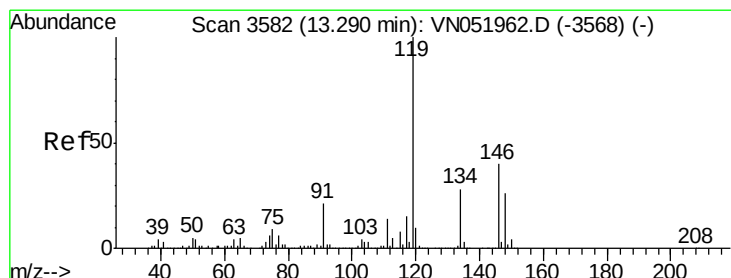
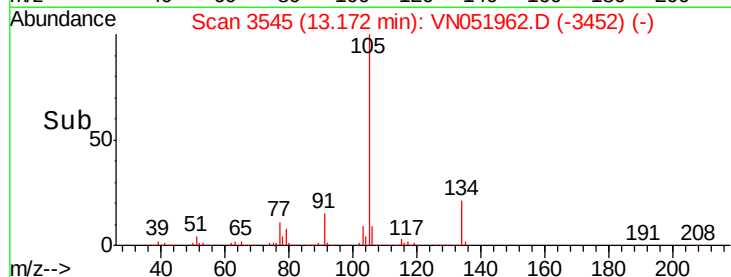
1000000

500000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 51.698 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

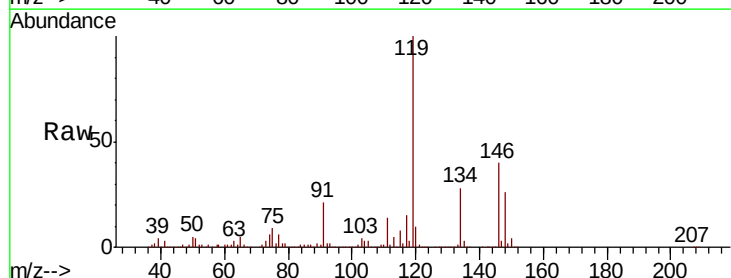
Tgt Ion:119 Resp: 2503424

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

91 21.2 10.6 31.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

2000000

1500000

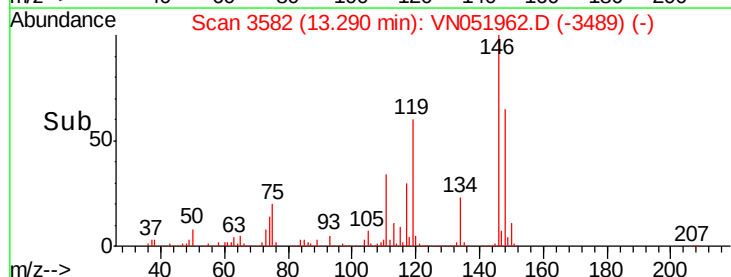
1000000

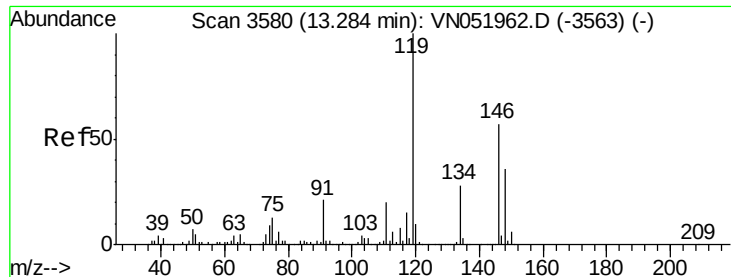
500000

0

Time-->

13.20 13.25 13.30 13.35

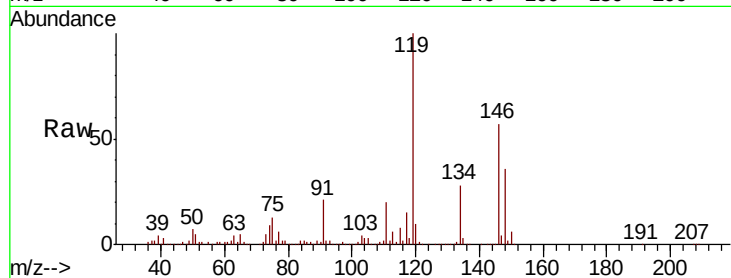




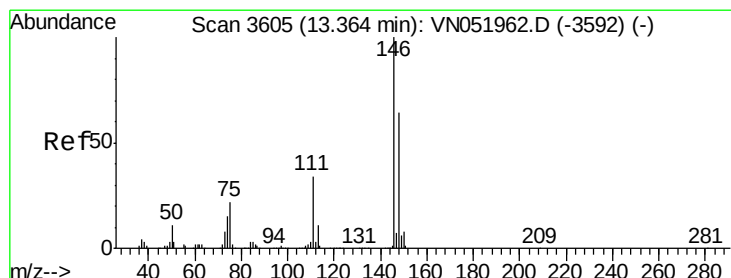
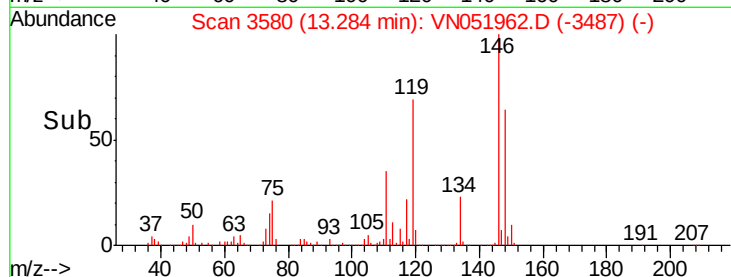
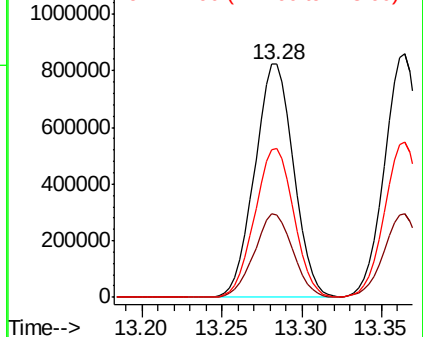
#87
 1,3-Dichlorobenzene
 Concen: 50.021 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 1381782
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.6 52.8
 148 64.0 32.0 96.0

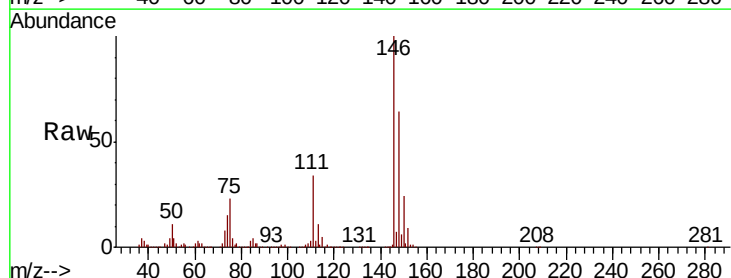


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

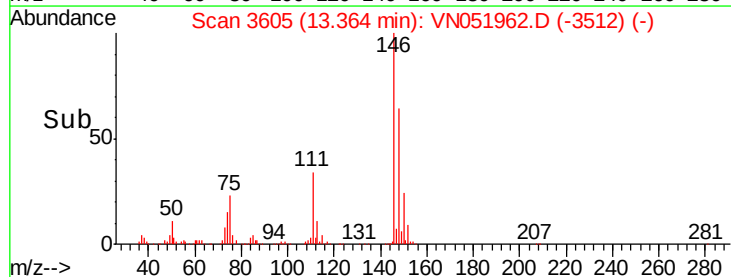
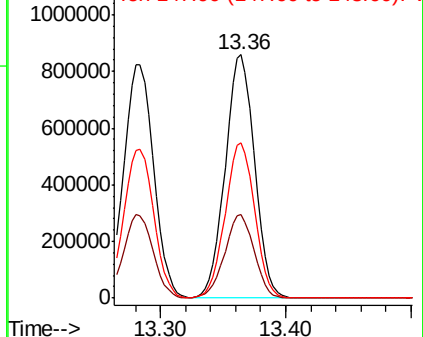


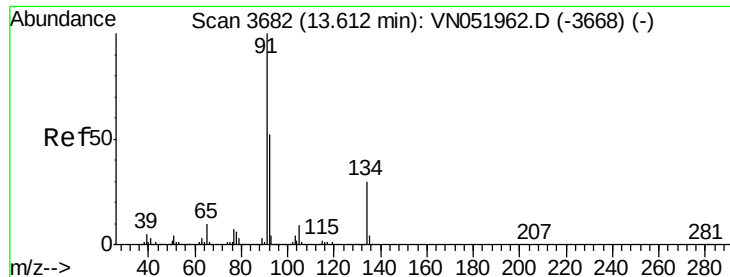
#88
 1,4-Dichlorobenzene
 Concen: 51.096 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:146 Resp: 1391544
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.3 51.7
 148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.011 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

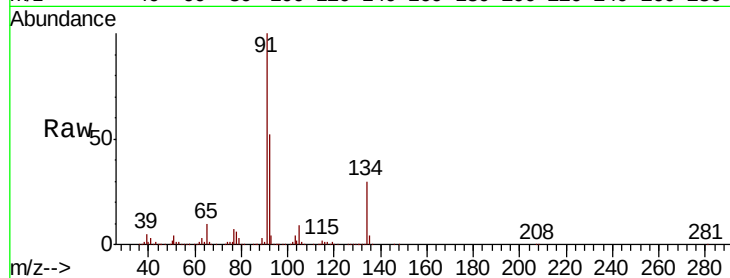
Tgt Ion: 91 Resp: 1966885

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.8

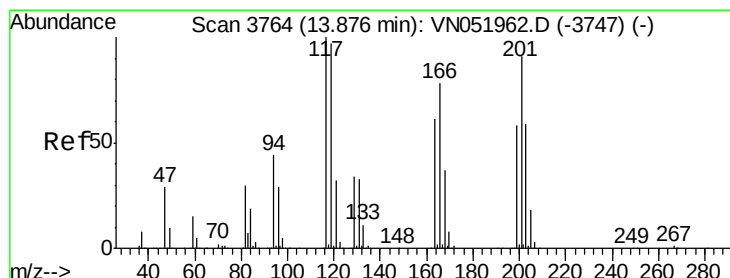
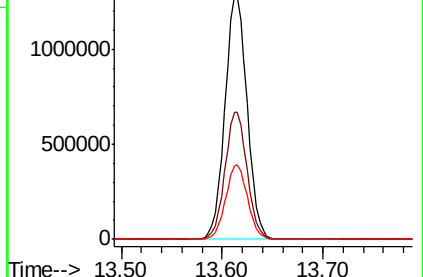
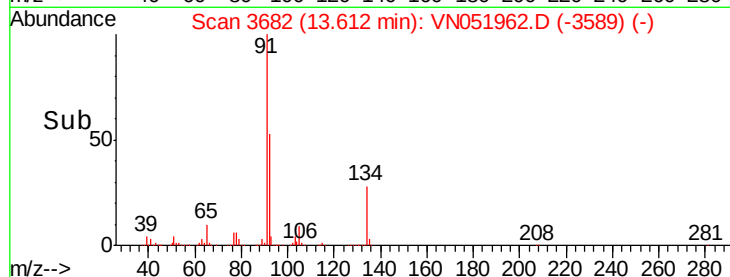
134 30.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.237 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051962.D

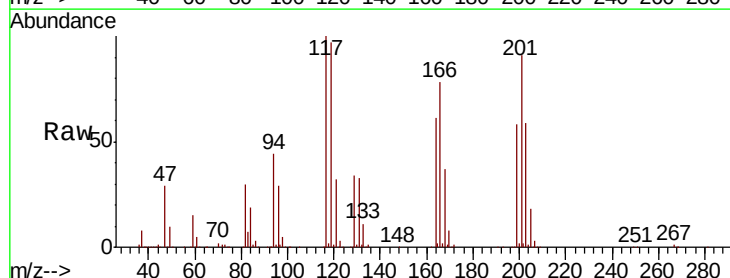
Acq: 23 Oct 2018 14:00

Tgt Ion: 117 Resp: 376843

Ion Ratio Lower Upper

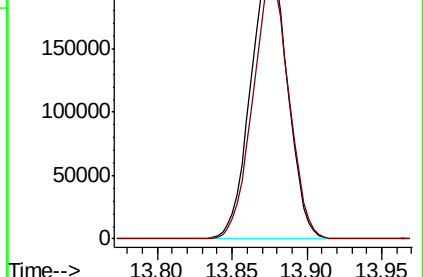
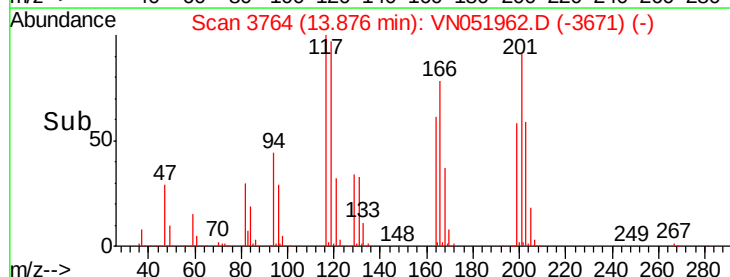
117 100

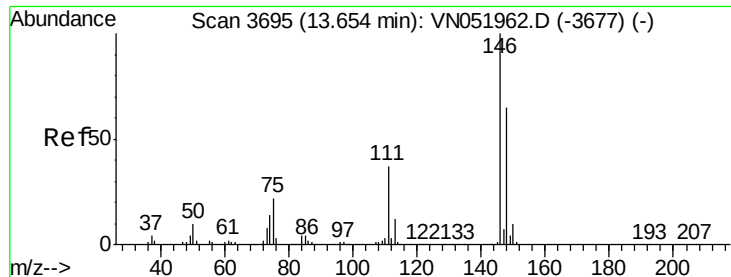
201 91.3 45.6 136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)

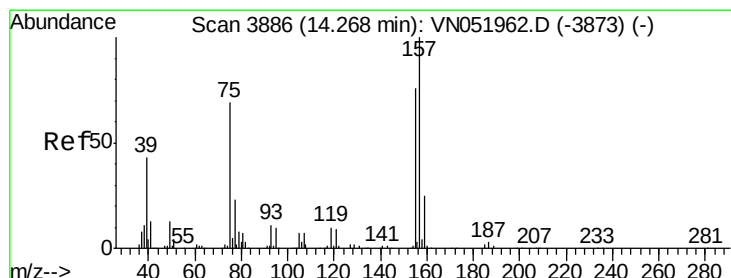
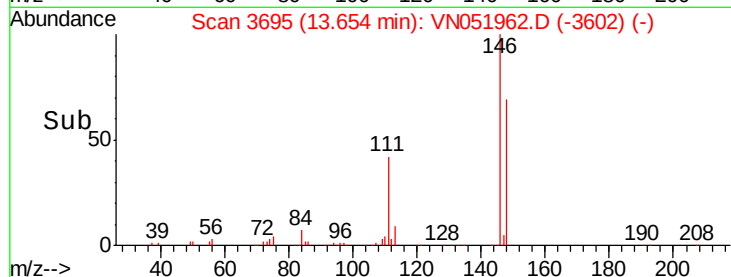
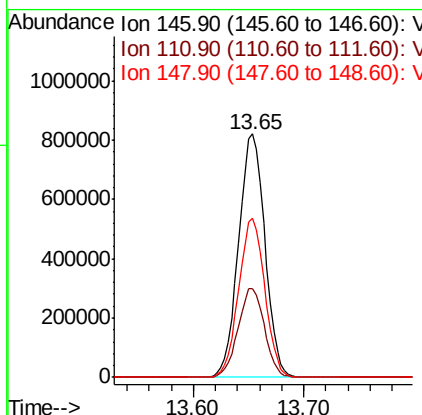
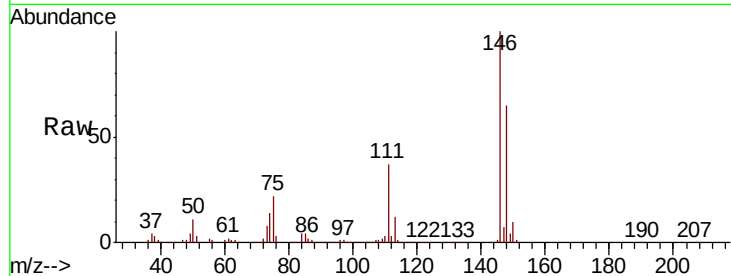




#91
 1,2-Dichlorobenzene
 Concen: 50.783 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

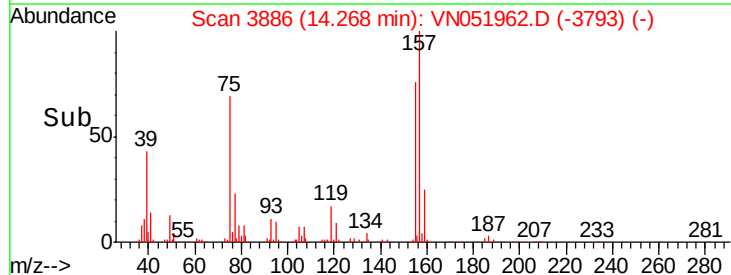
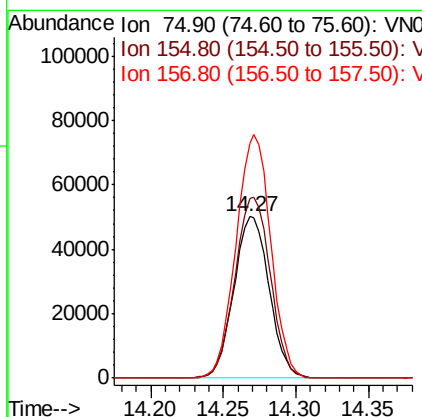
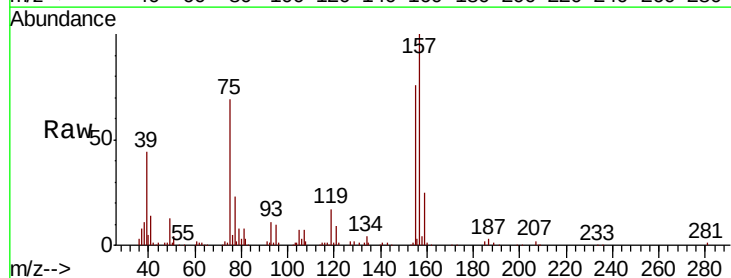
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

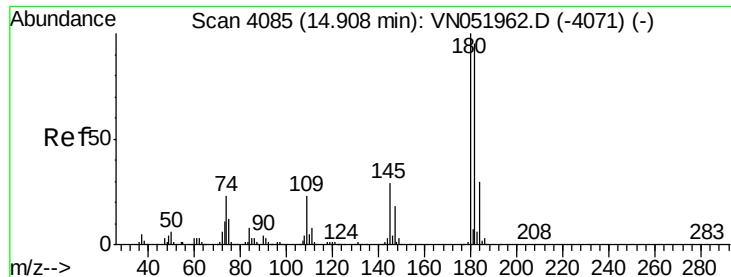
Tgt Ion:146 Resp: 1357116
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.9
 148 64.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.453 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 75 Resp: 85146
 Ion Ratio Lower Upper
 75 100
 155 111.9 56.0 167.9
 157 147.7 73.9 221.6

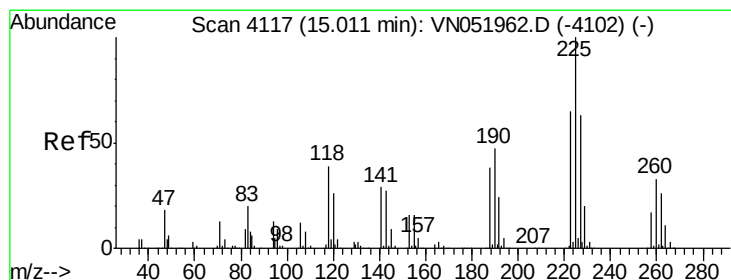
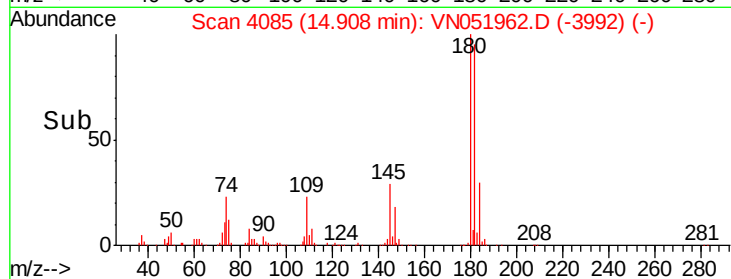
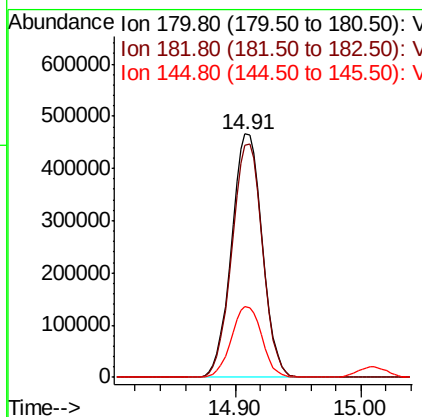
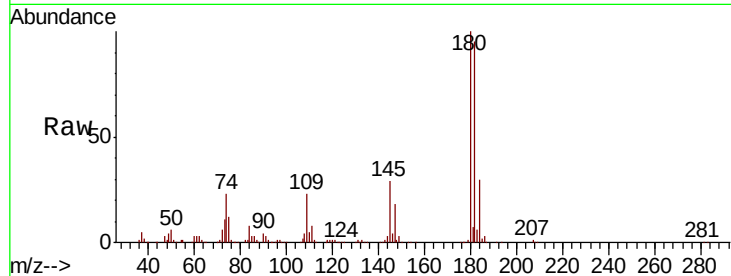




#93
 1,2,4-Trichlorobenzene
 Concen: 50.019 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

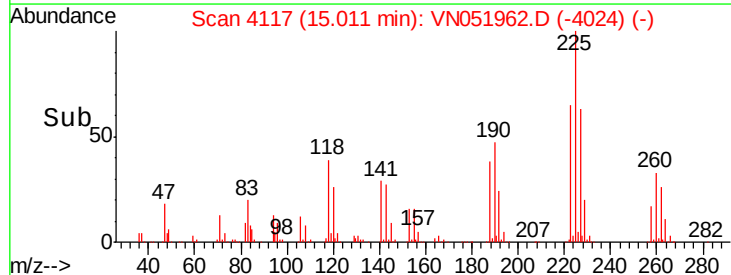
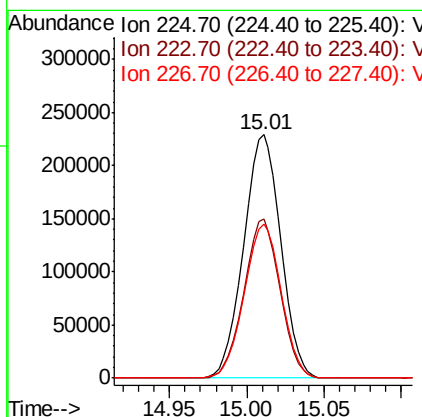
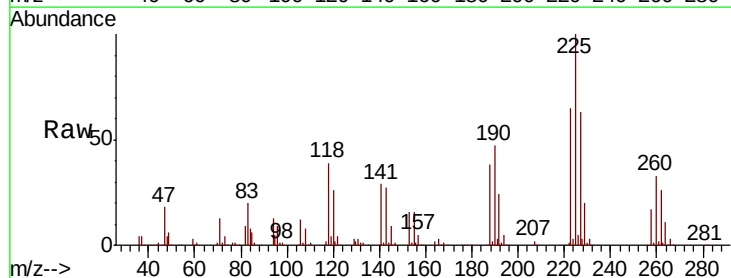
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

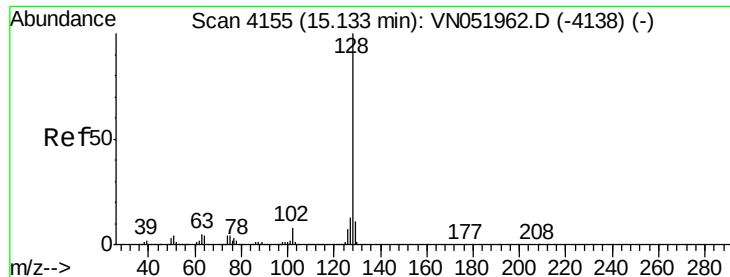
Tgt Ion:180 Resp: 789595
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.4
 145 29.0 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 47.264 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:225 Resp: 383367
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.8 95.4
 227 62.8 31.4 94.2

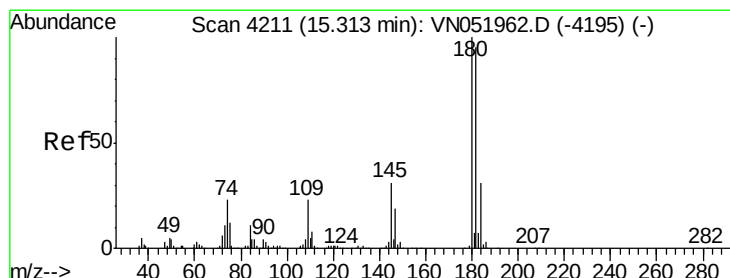
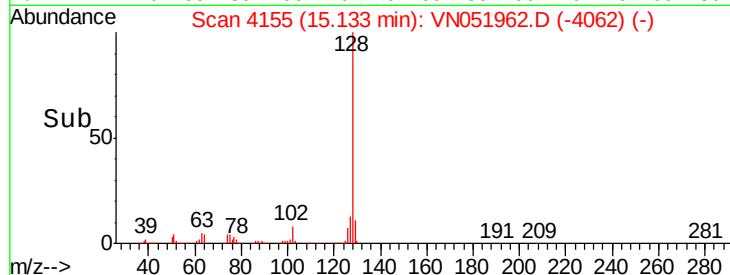
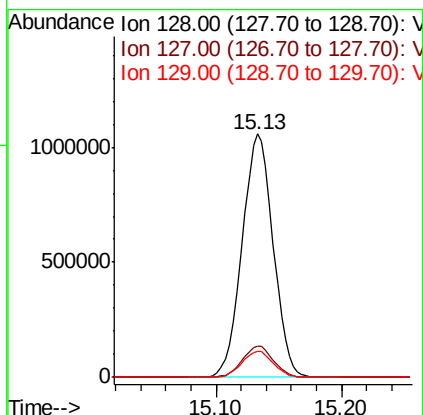
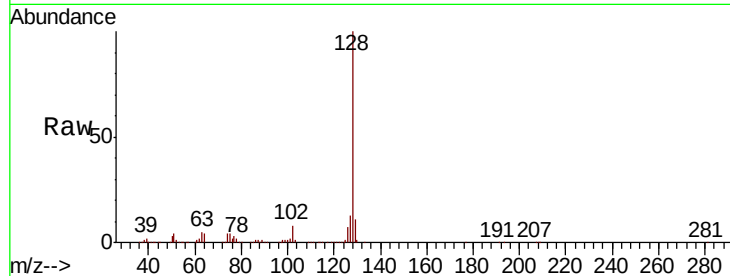




#95
Naphthalene
Concen: 52.949 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 1815220
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.630 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:180 Resp: 748860
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 30.8 15.4 46.2

