

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061020\
 Data File : VN061730.D
 Acq On : 10 Jun 2020 10:54
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jun 10 12:02:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	72791	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	384663	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	360753	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	135115	22.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	73.93%
60) 4-Bromofluorobenzene	12.37	95	157109	26.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.13%
63) Toluene-d8	10.06	98	466988	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57331	17.60	ug/l	100
3) Chloromethane	2.03	50	70885	12.83	ug/l	100
4) Vinyl Chloride	2.16	62	96680	13.03	ug/l	100
5) Bromomethane	2.54	94	64865	16.48	ug/l	100
6) Chloroethane	2.67	64	66776	13.30	ug/l	100
7) Trichlorofluoromethane	2.98	101	150124	17.82	ug/l	100
8) Diethyl Ether	3.37	74	41006	15.56	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	67568	18.56	ug/l	100
10) 1,1-Dichloroethene	3.70	96	66438	17.47	ug/l	100
11) Methyl Iodide	3.91	142	91834	21.15	ug/l	100
12) Methyl Acetate	4.28	43	50952	11.80	ug/l	100
13) Acrolein	3.57	56	32759	45.93	ug/l	100
14) Acrylonitrile	4.93	53	131645	64.47	ug/l	100
15) Acetone	3.78	58	41965	82.27	ug/l	100
16) Carbon Disulfide	4.01	76	163922	16.03	ug/l	100
17) Allyl chloride	4.28	41	78975	11.17	ug/l	100
18) Methylene Chloride	4.50	84	75514	16.49	ug/l	100
19) trans-1,2-Dichloroethene	4.99	96	73536	16.36	ug/l	100
20) Diisopropyl ether	5.90	45	177445	10.81	ug/l	100
21) 1,1-Dichloroethane	5.80	63	119925	13.56	ug/l	100
22) cis-1,2-Dichloroethene	6.78	96	83582	16.04	ug/l	100
23) tert-Butyl Alcohol	4.73	59	49872	74.84	ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	204106	13.82	ug/l	100
25) Chloroform	7.33	83	132774	15.16	ug/l	100
26) Cyclohexane	7.61	56	91816	11.17	ug/l	# 100
29) 1,1-Dichloropropene	7.75	75	96127	15.10	ug/l	100
30) 2-Butanone	6.78	43	164835	63.24	ug/l	100
31) 2,2-Dichloropropane	6.78	77	111728	14.99	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	121354	16.65	ug/l	100
33) Carbon Tetrachloride	7.73	117	96103	17.01	ug/l	100
34) Benzene	8.00	78	299008	16.37	ug/l	100
35) Methacrylonitrile	7.17	41	96412	38.51	ug/l	# 64
36) 1,2-Dichloroethane	8.08	62	93888	13.80	ug/l	100
37) Trichloroethene	8.80	130	92112	19.58	ug/l	100
38) Methylcyclohexane	9.05	83	107777	14.23	ug/l	100
39) 1,2-Dichloropropane	9.08	63	69895	14.31	ug/l	100
40) Dibromomethane	9.17	93	52757	16.80	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	106489	15.88	ug/l	100
42) Vinyl Acetate	5.84	43	683142	55.89	ug/l	100
43) Ethyl Acetate	6.88	43	60015	11.14	ug/l	100
44) Isopropyl Acetate	8.12	43	117952	11.10	ug/l	100
45) 1,4-Dioxane	9.17	88	23427	474.56	ug/l	100
46) Methyl methacrylate	9.17	41	48471	9.82	ug/l	100
47) n-amyl Acetate	12.05	43	91534	9.76	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	106749	13.81	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	119925	14.51	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	74847	17.17	ug/l	100
51) Ethyl methacrylate	10.40	69	93604	13.11	ug/l	100
52) 1,3-Dichloropropane	10.68	76	119224	15.44	ug/l	100
53) Dibromochloromethane	10.87	129	87810	18.15	ug/l	100
54) 1,2-Dibromoethane	10.98	107	78877	17.49	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	164307	53.29	ug/l	100
56) Bromoform	12.10	173	58450	18.90	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	336189	56.63	ug/l	100
59) 2-Hexanone	10.72	43	240491	57.18	ug/l	100
61) Tetrachloroethene	10.60	164	103240	22.12	ug/l	100
62) Toluene	10.12	91	338149	16.71	ug/l	100
64) Chlorobenzene	11.41	112	212959	17.56	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	80470	18.06	ug/l	100
66) Ethyl Benzene	11.48	91	358678	15.61	ug/l	100
67) m/p-Xylenes	11.60	106	286508	33.30	ug/l	100
68) o-Xylene	11.92	106	136176	16.64	ug/l	100
69) Styrene	11.94	104	222095	15.81	ug/l	100
70) Isopropylbenzene	12.22	105	355733	16.09	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	94516	15.66	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	121505	21.31	ug/l	66
73) Bromobenzene	12.50	156	94491	19.62	ug/l	100
74) n-propylbenzene	12.57	91	403680	15.47	ug/l	100
75) 2-Chlorotoluene	12.65	91	234059	15.64	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	295259	15.94	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	31397	13.33	ug/l	100
78) 4-Chlorotoluene	12.75	91	243914	15.53	ug/l	100
79) tert-butylbenzene	12.97	119	250683	16.25	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	298069	16.05	ug/l	100
81) sec-Butylbenzene	13.15	105	331420	15.70	ug/l	100
82) p-Isopropyltoluene	13.26	119	303396	15.89	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	168248	18.91	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	163941	18.72	ug/l	100
85) n-Butylbenzene	13.59	91	245878	14.18	ug/l	100
86) Hexachloroethane	13.85	117	37552	14.25	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	163442	19.39	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.25	75	17020	13.63	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	89647	18.67	ug/l	100
90) Hexachlorobutadiene	14.98	225	41221	20.50	ug/l	100
91) Naphthalene	15.10	128	245692	16.61	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	90162	19.18	ug/l	100

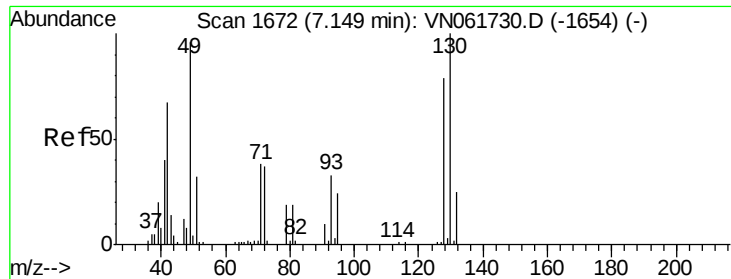
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061020\
Data File : VN061730.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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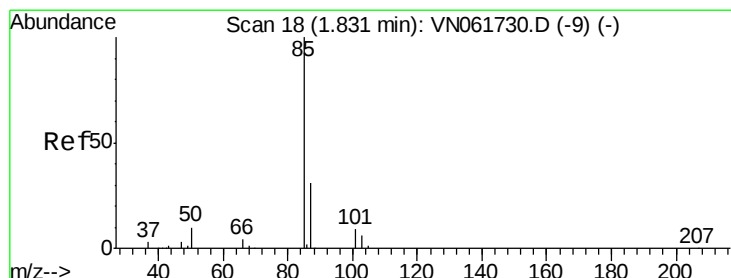
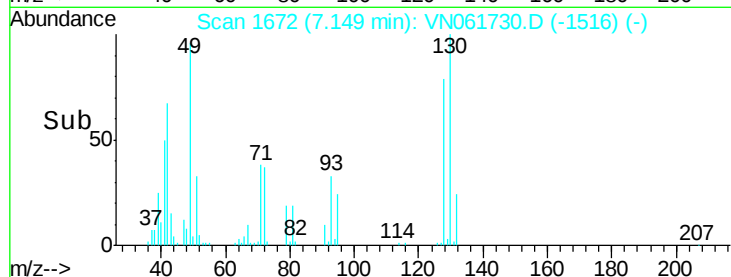
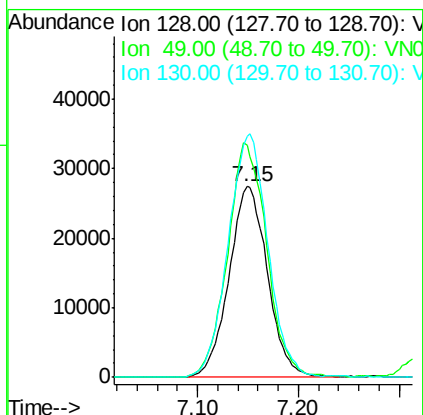
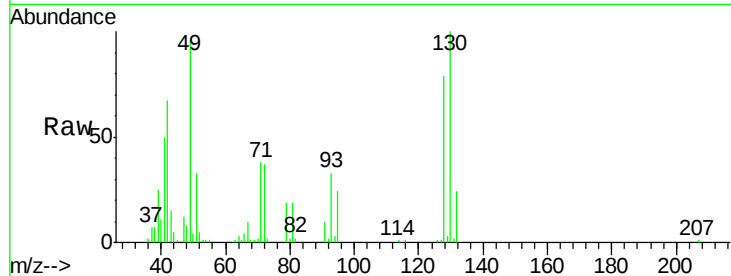
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

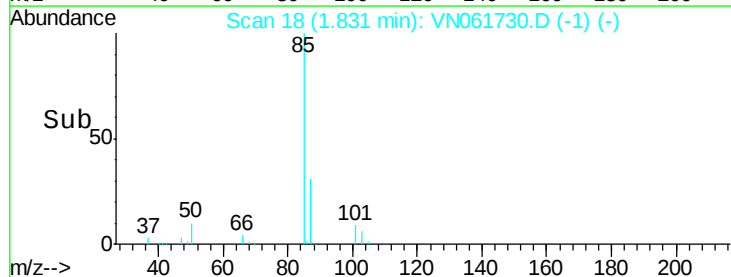
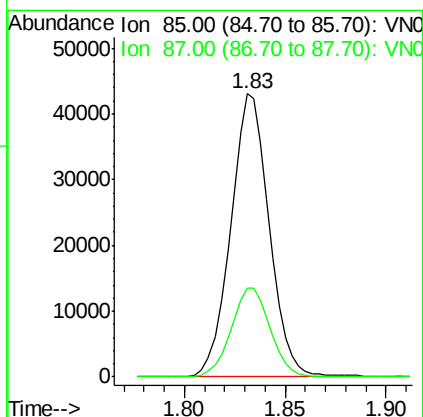
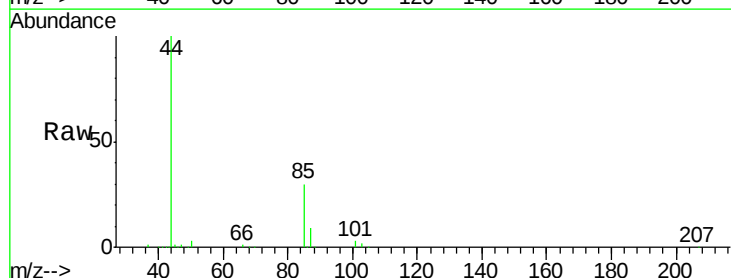
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

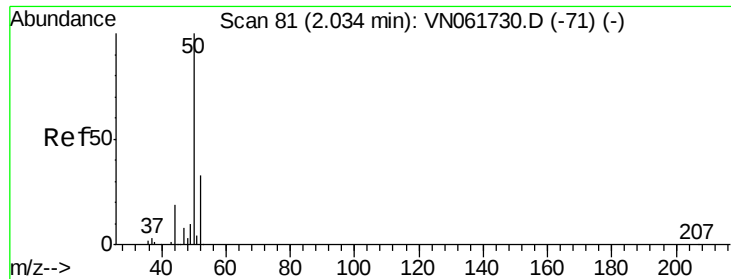
Tgt Ion:128 Resp: 72791
Ion Ratio Lower Upper
128 100
49 124.9 0.0 312.3
130 131.5 0.0 328.7



#2
Dichlorodifluoromethane
Concen: 17.60 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 85 Resp: 57331
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.1

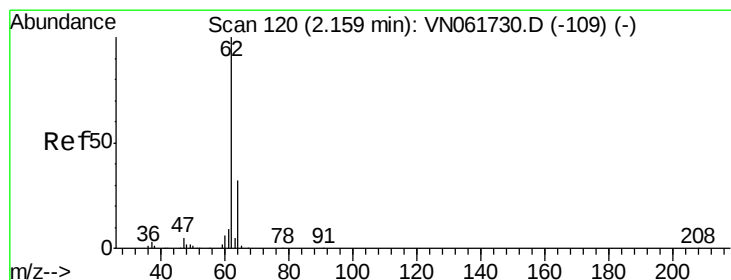
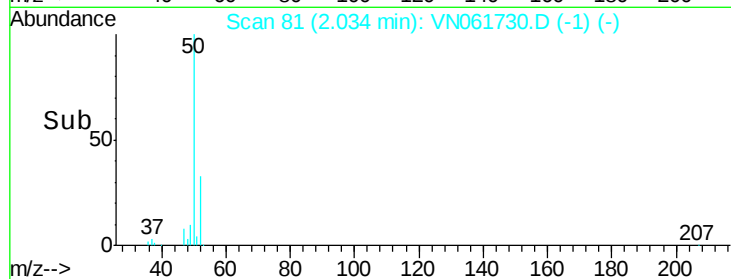
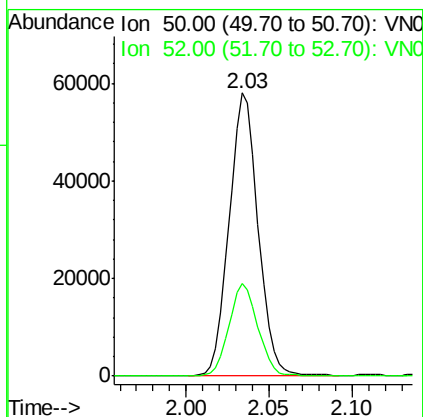
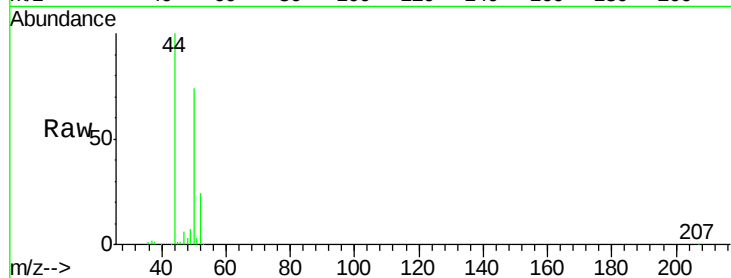




#3
Chloromethane
Concen: 12.83 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

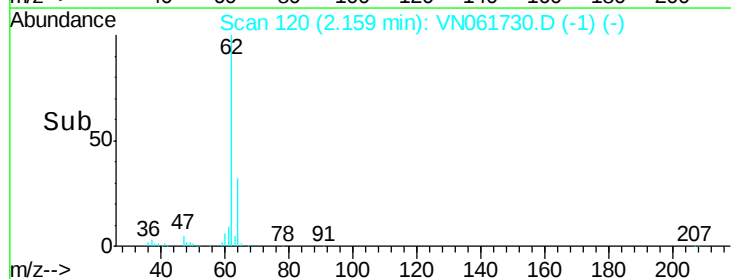
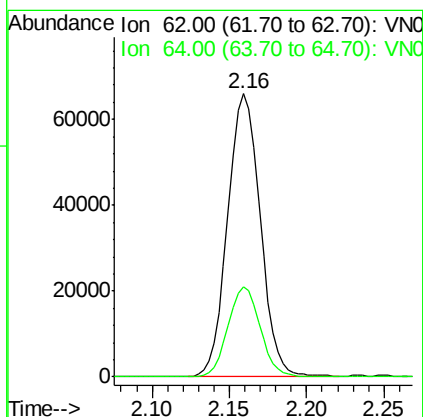
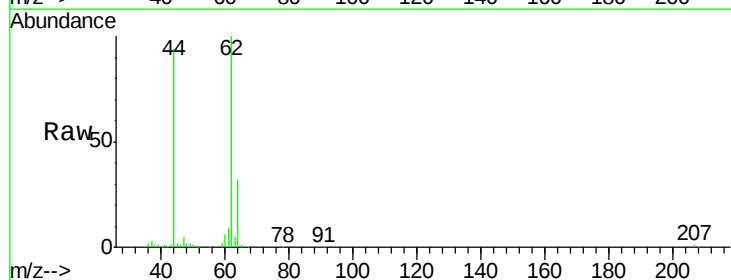
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

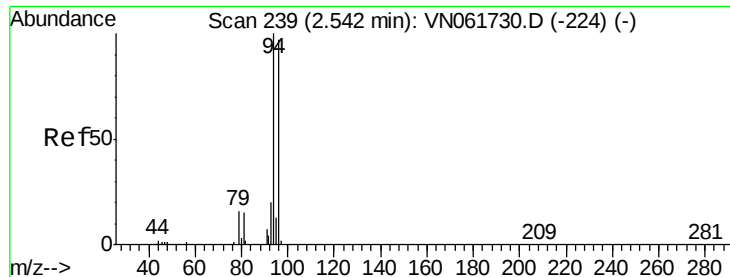
Tgt Ion: 50 Resp: 70885
Ion Ratio Lower Upper
50 100
52 32.7 26.2 39.2



#4
Vinyl Chloride
Concen: 13.03 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 62 Resp: 96680
Ion Ratio Lower Upper
62 100
64 31.9 25.5 38.3





#5

Bromomethane

Concen: 16.48 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

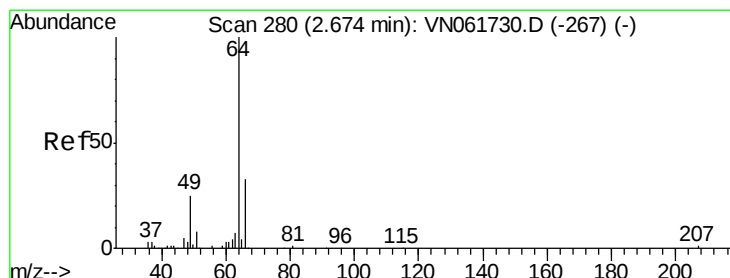
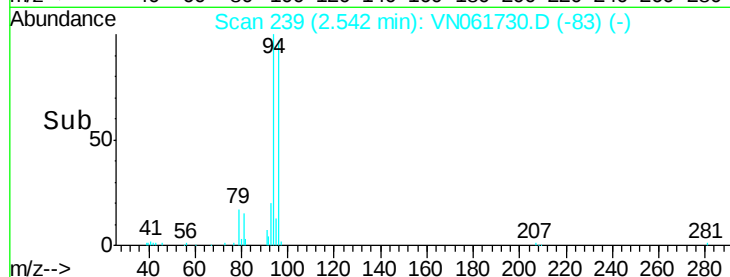
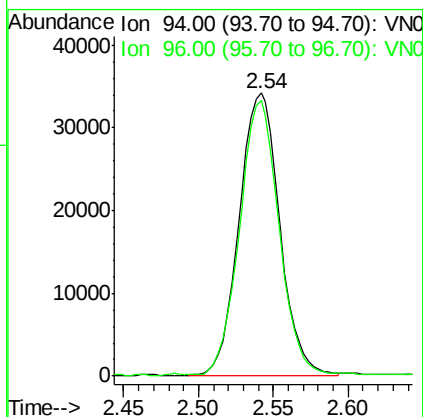
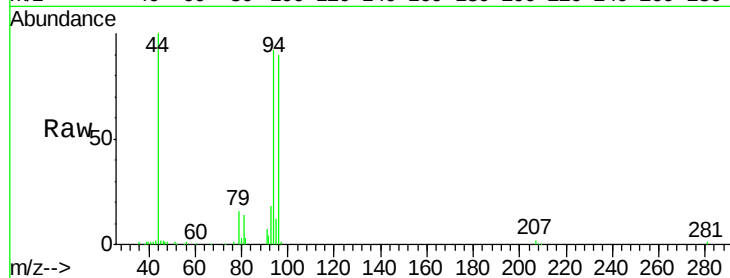
VSTDICCC020

Tgt Ion: 94 Resp: 64865

Ion Ratio Lower Upper

94 100

96 96.8 77.4 116.2



#6

Chloroethane

Concen: 13.30 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061730.D

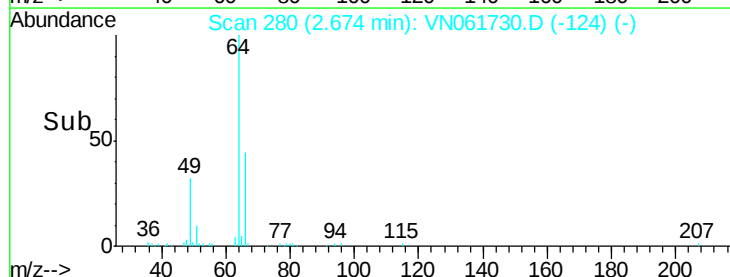
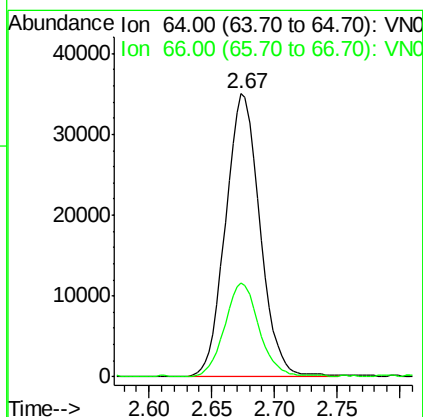
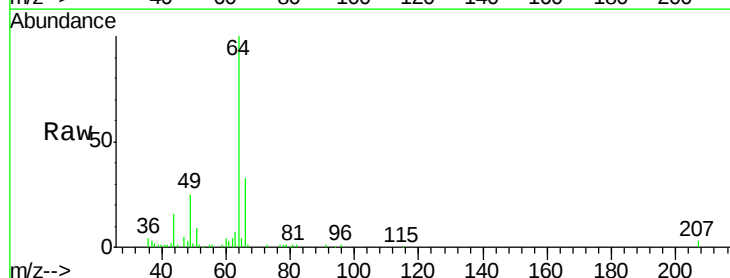
Acq: 10 Jun 2020 10:54

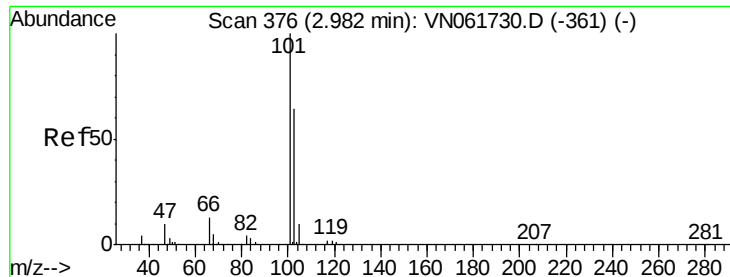
Tgt Ion: 64 Resp: 66776

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



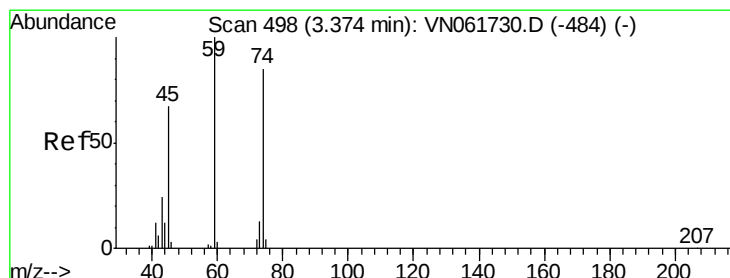
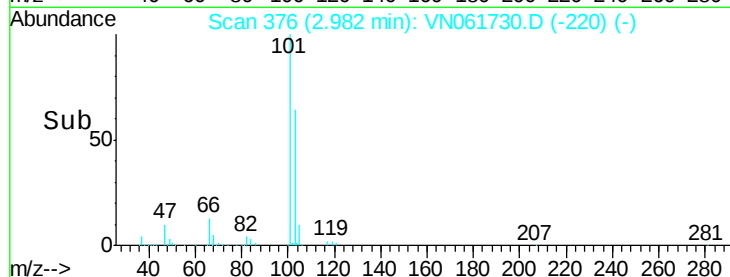
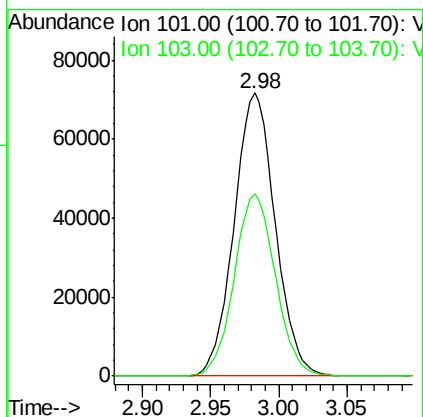
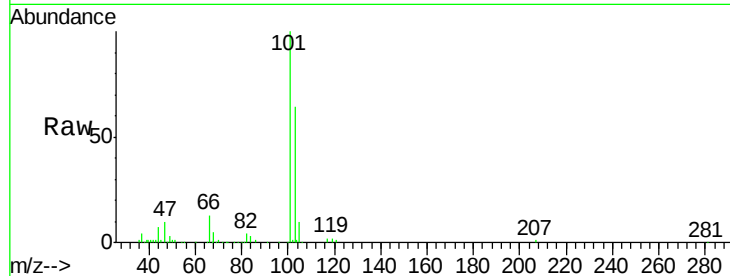


#7

Trichlorofluoromethane
 Concen: 17.82 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
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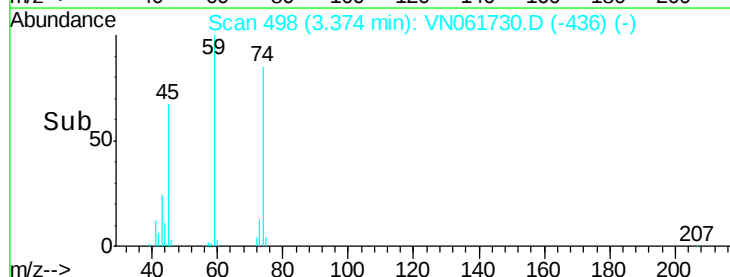
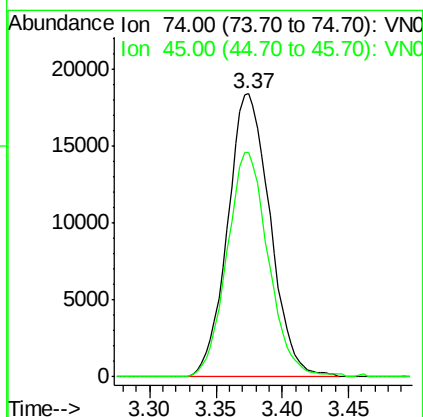
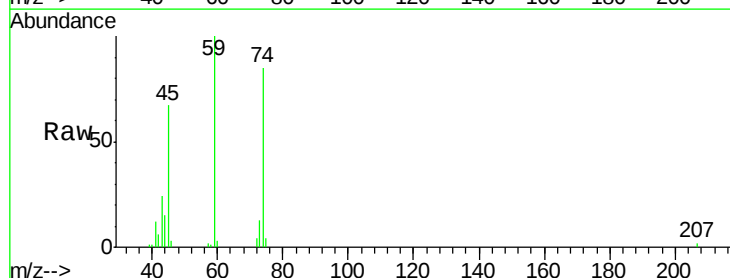
Tgt Ion: 101 Resp: 150124
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.1 76.7

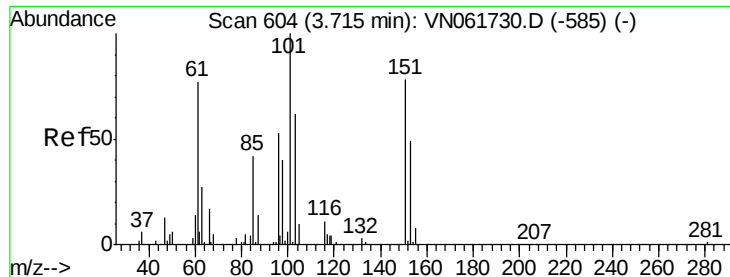


#8

Diethyl Ether
 Concen: 15.56 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 74 Resp: 41006
 Ion Ratio Lower Upper
 74 100
 45 76.9 15.4 138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.56 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

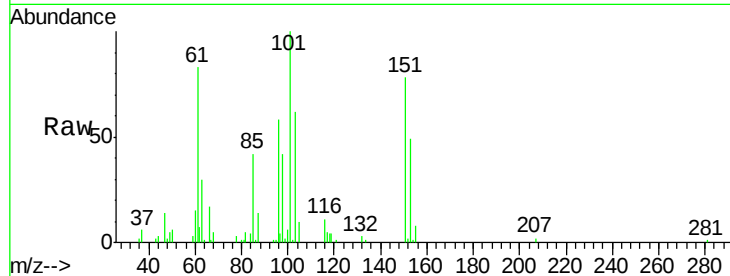
Tgt Ion: 101 Resp: 67568

Ion Ratio Lower Upper

101 100

85 42.4 0.0 84.8

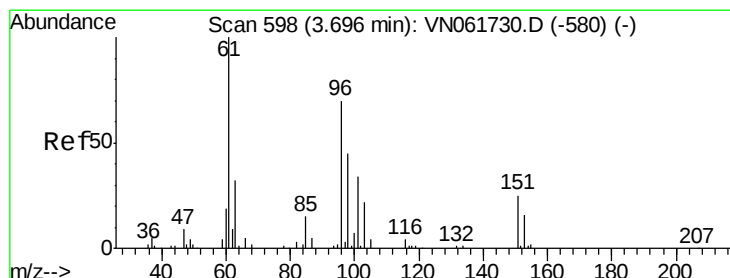
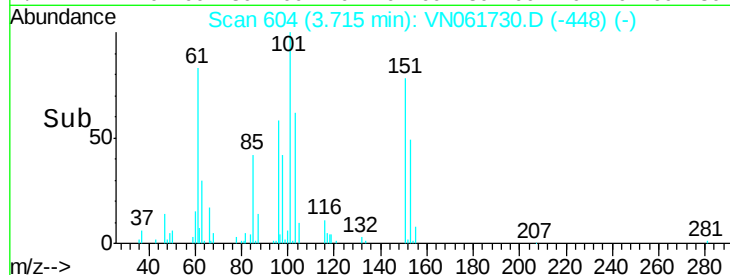
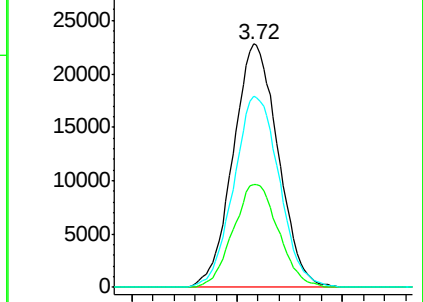
151 79.5 0.0 159.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.47 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

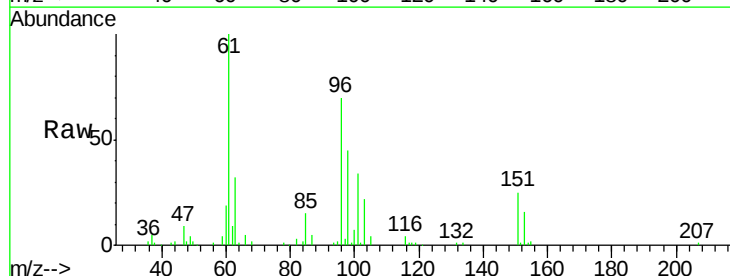
Tgt Ion: 96 Resp: 66438

Ion Ratio Lower Upper

96 100

61 143.6 114.9 172.3

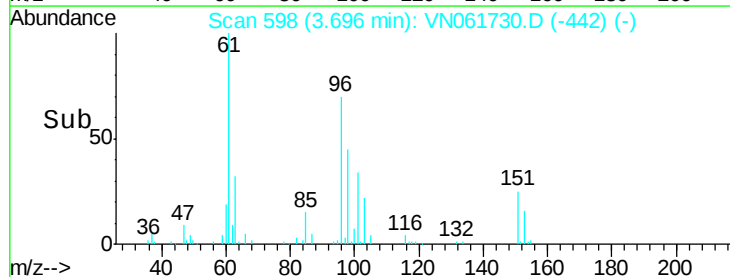
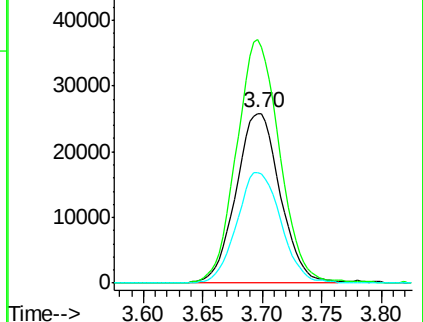
98 65.2 52.2 78.2

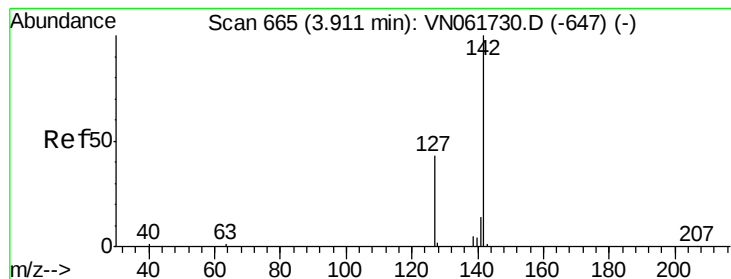


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 21.15 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

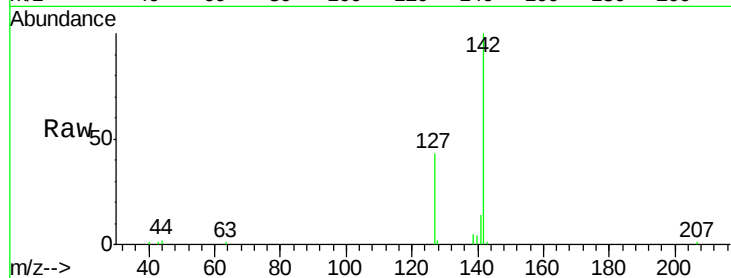
Tgt Ion:142 Resp: 91834

Ion Ratio Lower Upper

142 100

127 43.1 21.6 64.6

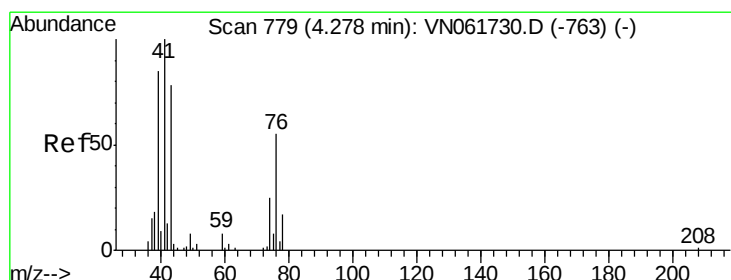
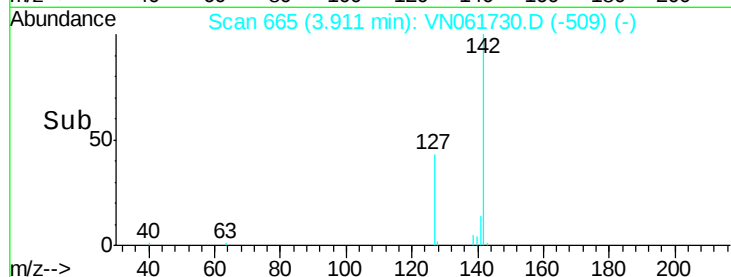
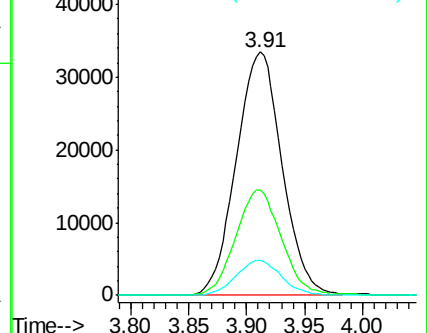
141 14.4 7.2 21.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 11.80 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061730.D

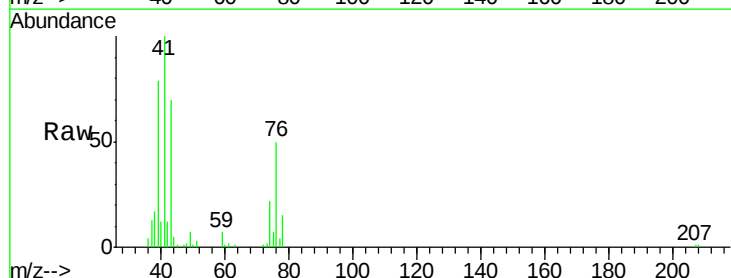
Acq: 10 Jun 2020 10:54

Tgt Ion: 43 Resp: 50952

Ion Ratio Lower Upper

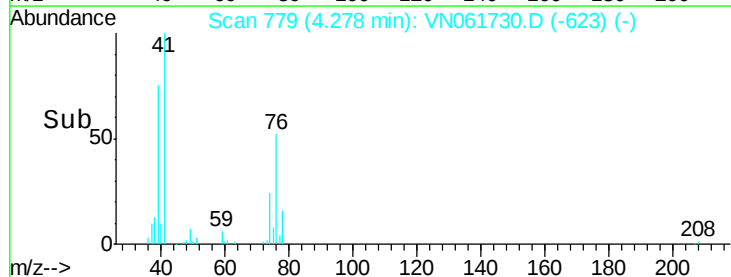
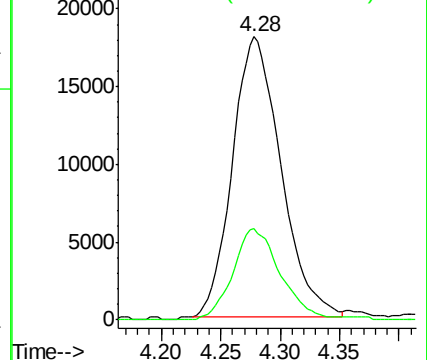
43 100

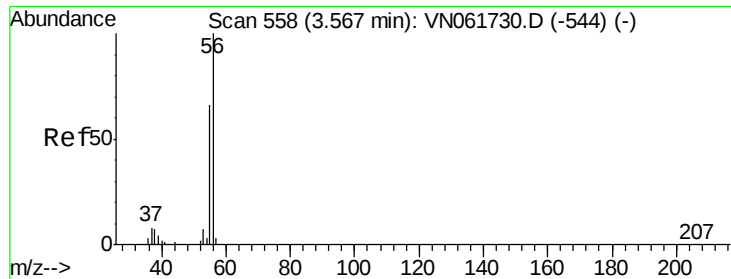
74 32.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 45.93 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

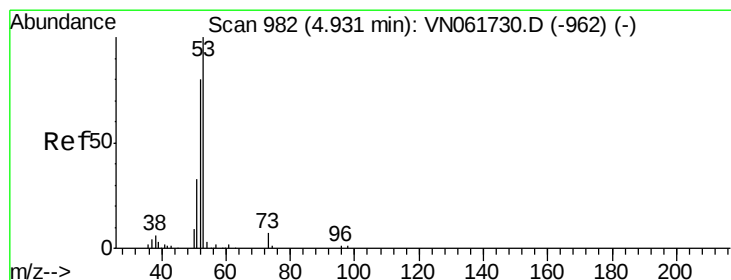
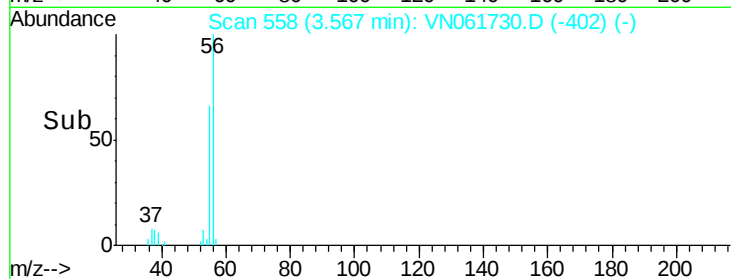
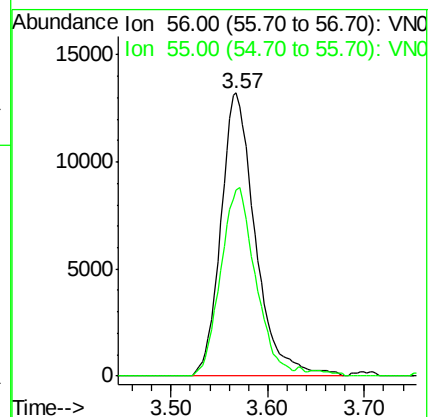
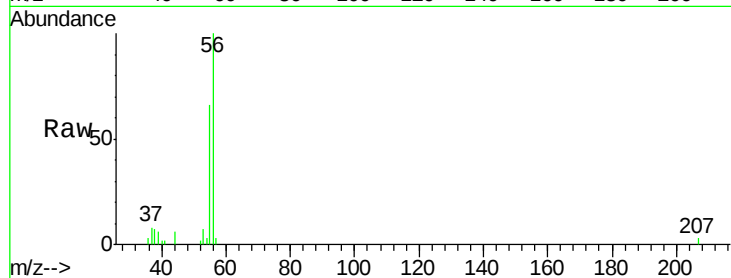
VSTDICCC020

Tgt Ion: 56 Resp: 32759

Ion Ratio Lower Upper

56 100

55 67.4 53.9 80.9



#14

Acrylonitrile

Concen: 64.47 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

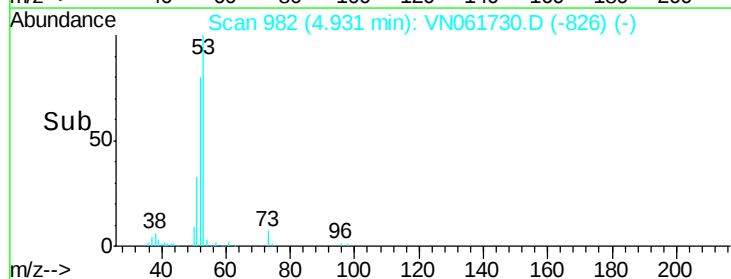
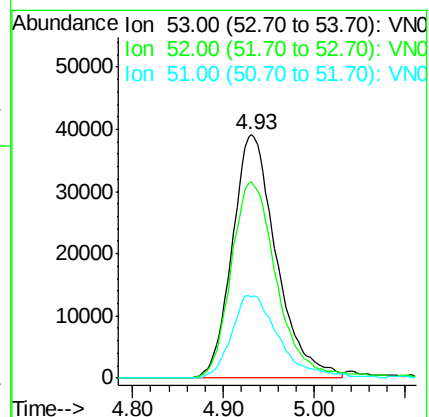
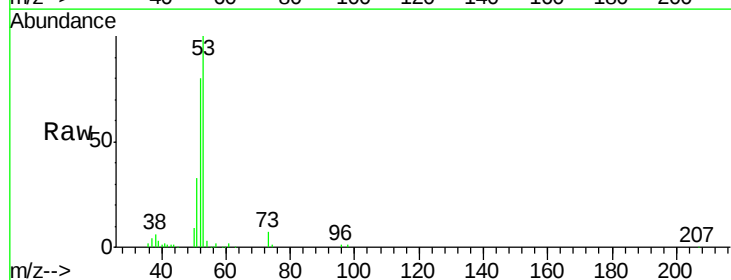
Tgt Ion: 53 Resp: 131645

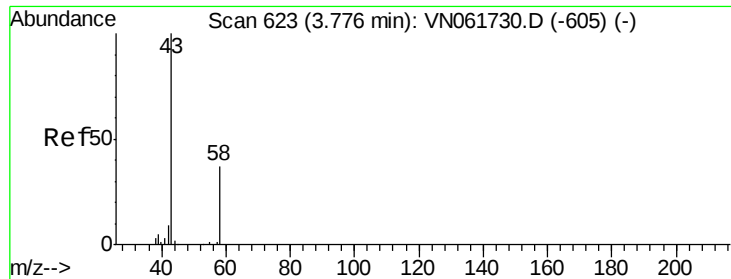
Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

51 15.9 8.0 23.8





#15

Acetone

Concen: 82.27 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

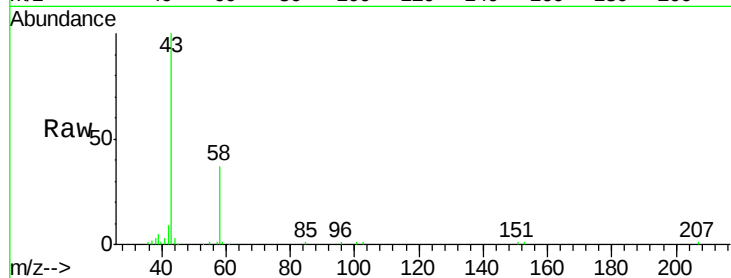
VSTDICCC020

Tgt Ion: 58 Resp: 41965

Ion Ratio Lower Upper

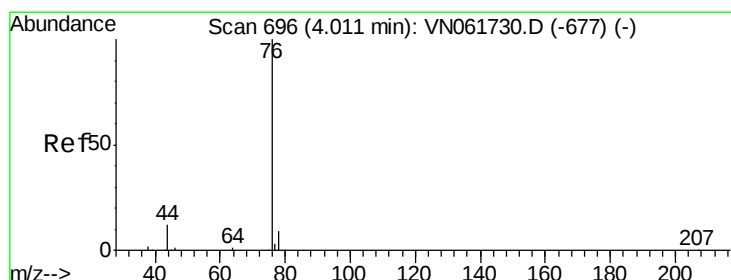
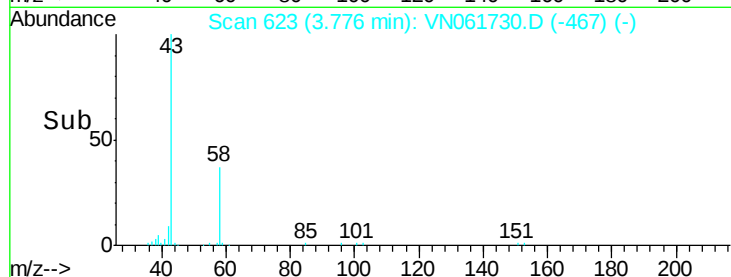
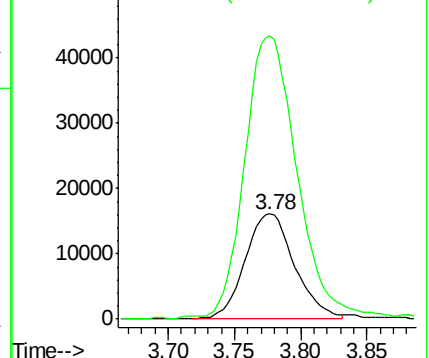
58 100

43 267.1 213.7 320.5



Abundance Ion 58.00 (57.70 to 58.70): VN061730.D (-605) (-)

Ion 43.00 (42.70 to 43.70): VN061730.D (-605) (-)



#16

Carbon Disulfide

Concen: 16.03 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061730.D

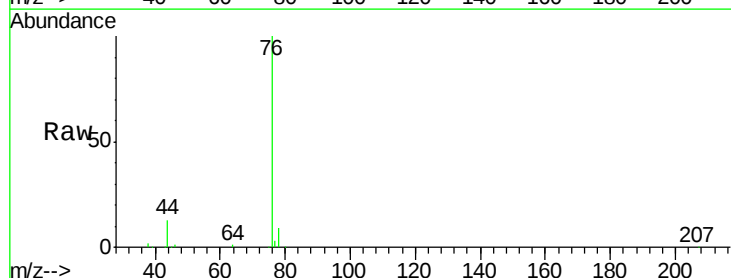
Acq: 10 Jun 2020 10:54

Tgt Ion: 76 Resp: 163922

Ion Ratio Lower Upper

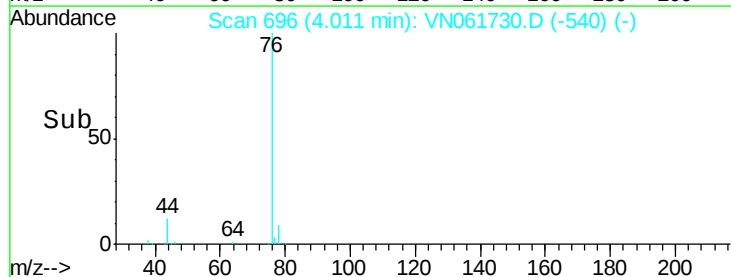
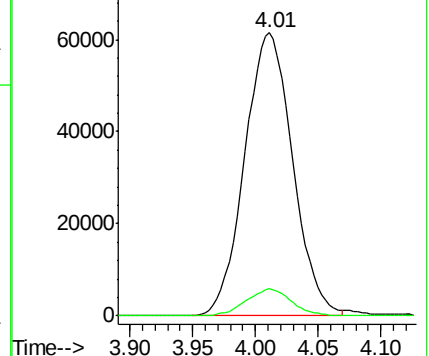
76 100

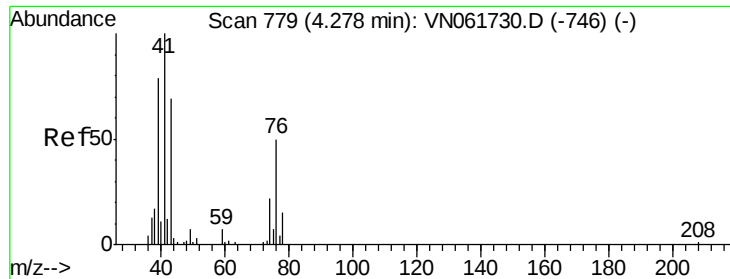
78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN061730.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN061730.D (-677) (-)

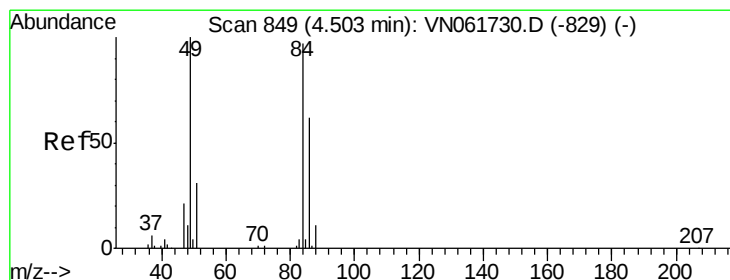
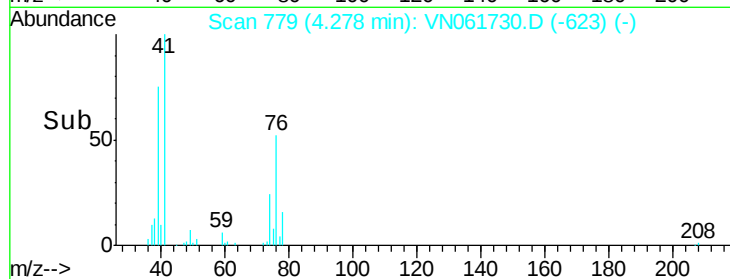
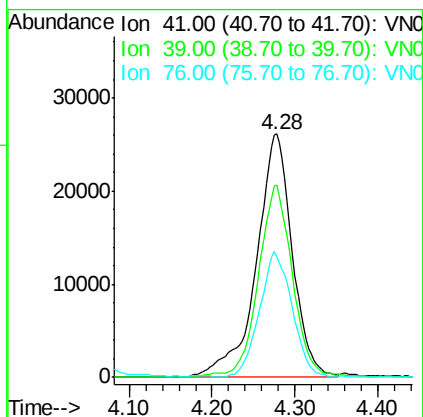
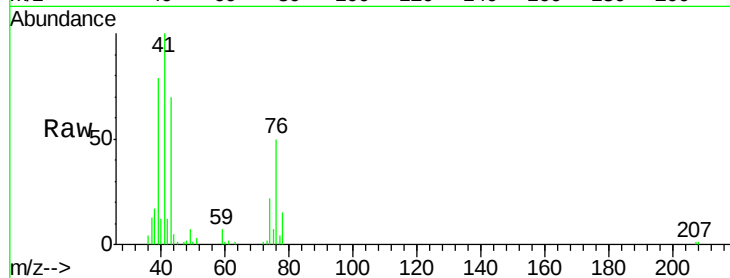




#17
 Allyl chloride
 Concen: 11.17 ug/l
 RT: 4.28 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

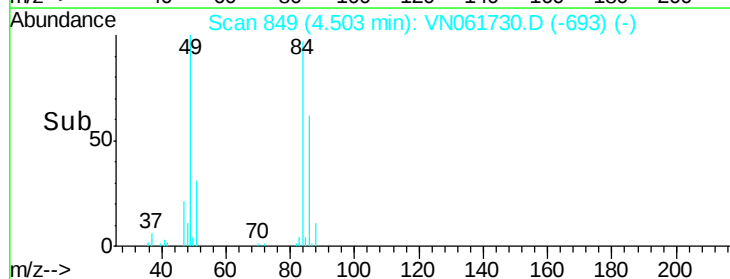
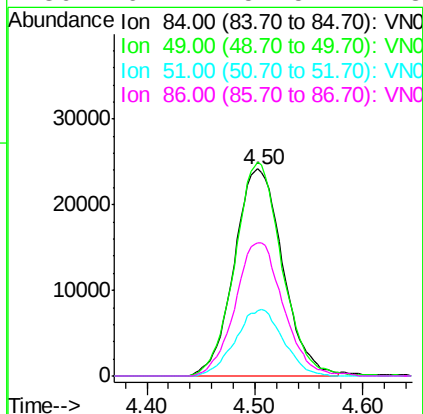
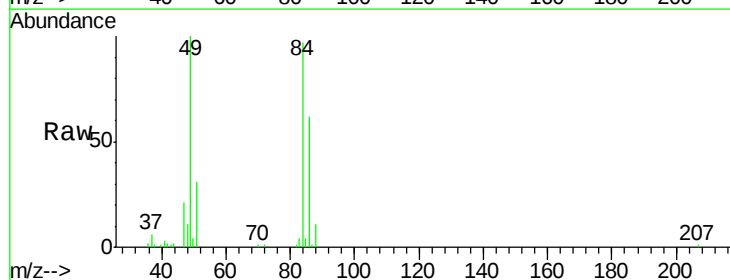
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

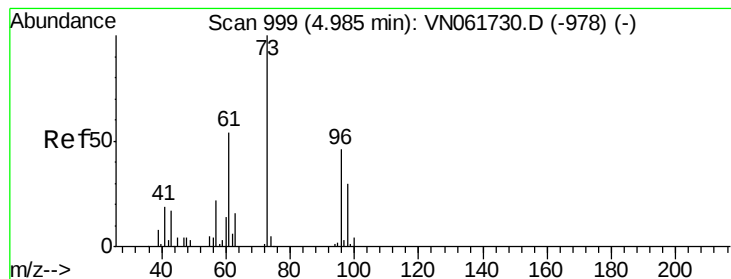
Tgt Ion: 41 Resp: 78975
 Ion Ratio Lower Upper
 41 100
 39 79.0 39.5 118.5
 76 49.8 24.9 74.7



#18
 Methylene Chloride
 Concen: 16.49 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 84 Resp: 75514
 Ion Ratio Lower Upper
 84 100
 49 103.3 82.6 124.0
 51 31.7 25.4 38.0
 86 64.4 51.5 77.3





#19

trans-1,2-Dichloroethene

Concen: 16.36 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

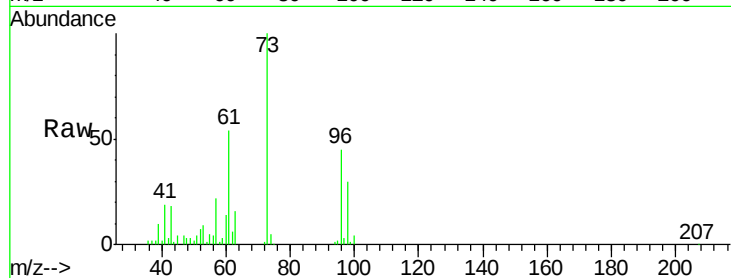
Tgt Ion: 96 Resp: 73536

Ion Ratio Lower Upper

96 100

61 119.2 95.4 143.0

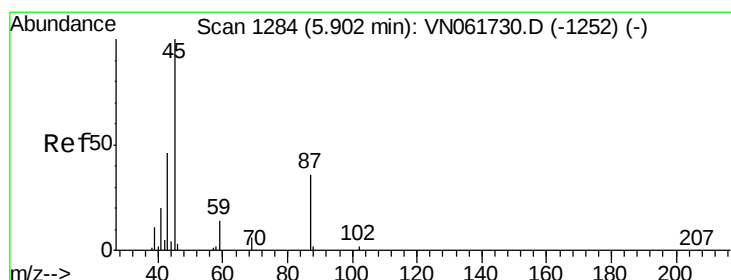
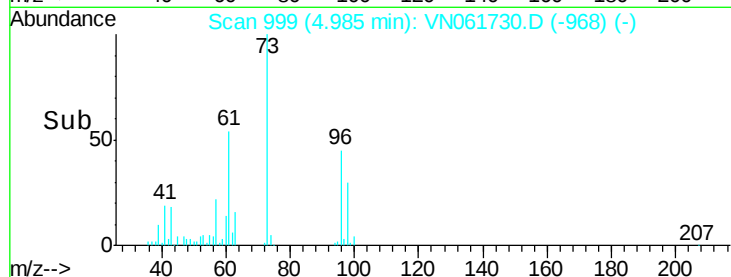
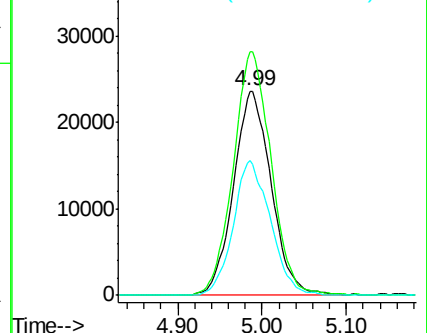
98 65.8 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VN061730.D (-978) (-)

Ion 61.00 (60.70 to 61.70): VN061730.D (-978) (-)

Ion 98.00 (97.70 to 98.70): VN061730.D (-978) (-)



#20

Diisopropyl ether

Concen: 10.81 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Tgt Ion: 45 Resp: 177445

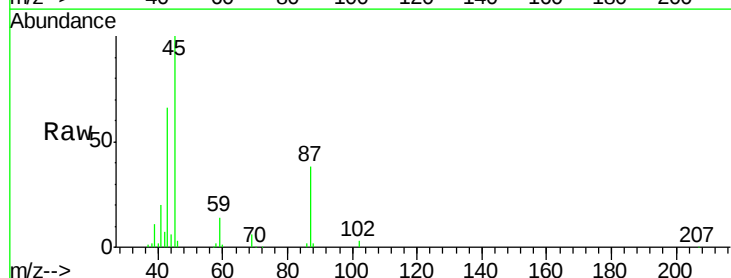
Ion Ratio Lower Upper

45 100

43 63.4 50.7 76.1

87 37.6 30.1 45.1

59 13.7 11.0 16.4

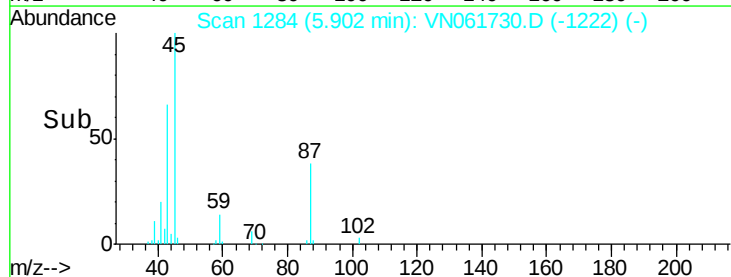
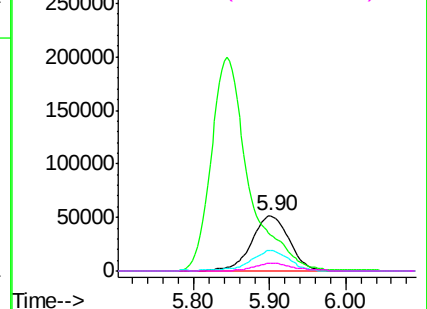


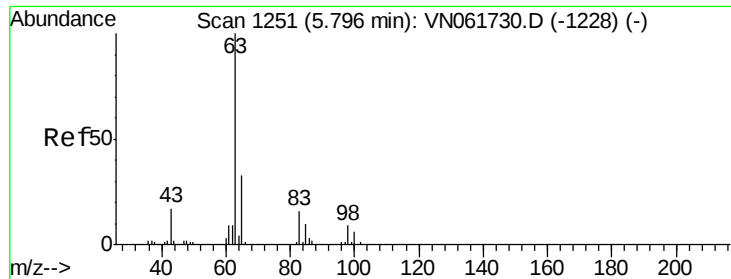
Abundance Ion 45.00 (44.70 to 45.70): VN061730.D (-1252) (-)

Ion 43.00 (42.70 to 43.70): VN061730.D (-1252) (-)

Ion 87.00 (86.70 to 87.70): VN061730.D (-1252) (-)

Ion 59.00 (58.70 to 59.70): VN061730.D (-1252) (-)

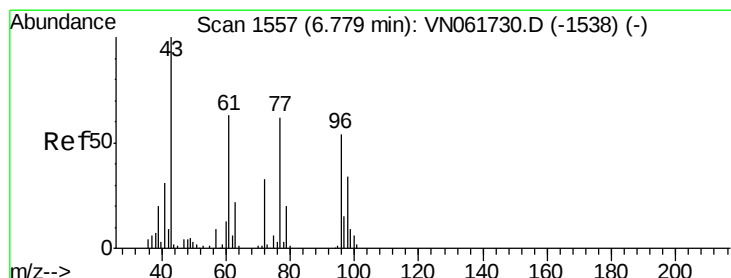
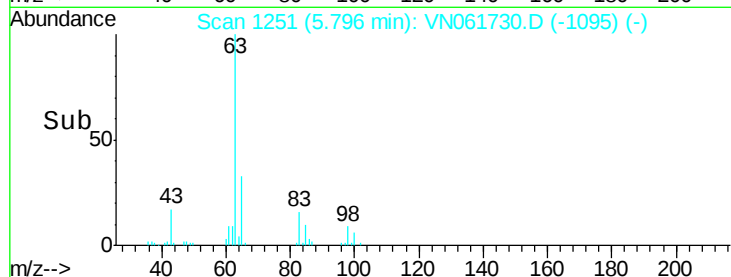
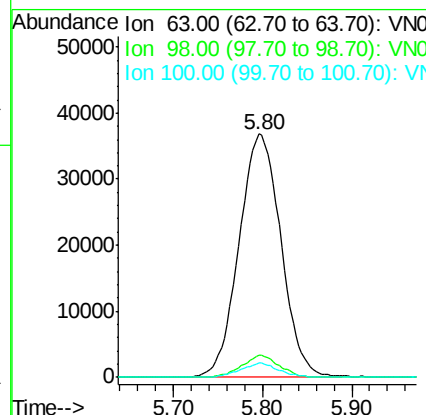
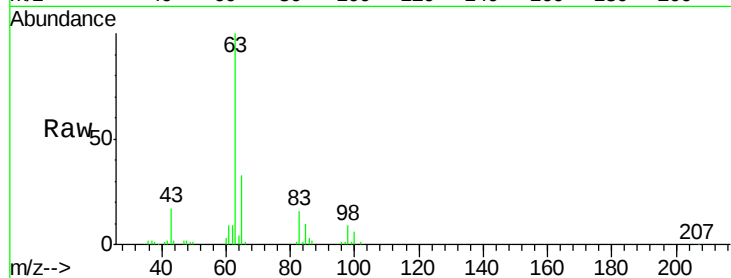




#21
 1,1-Dichloroethane
 Concen: 13.56 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

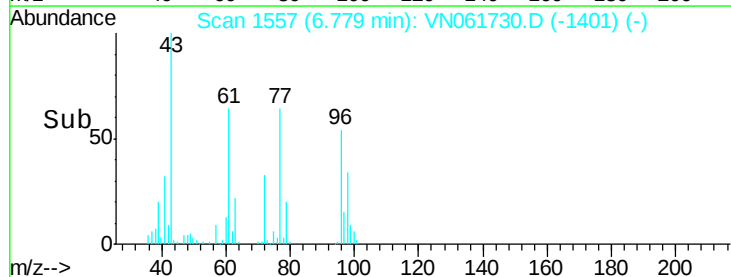
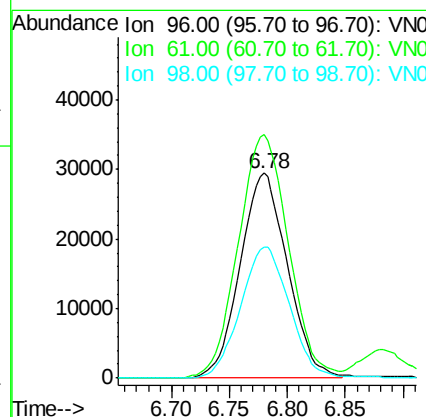
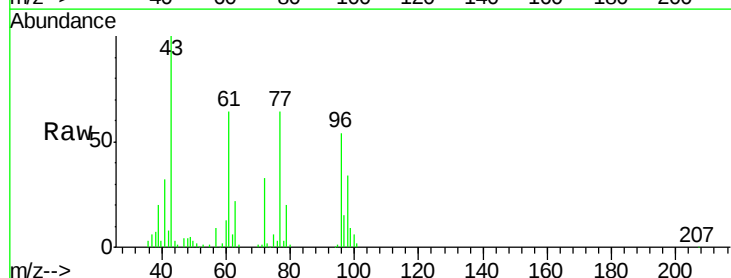
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

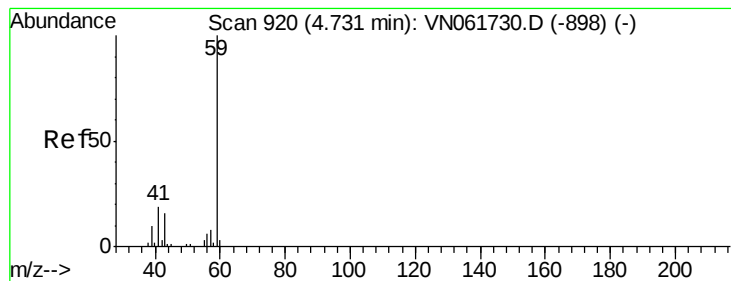
Tgt Ion: 63 Resp: 119925
 Ion Ratio Lower Upper
 63 100
 98 9.1 4.5 13.7
 100 5.8 2.9 8.7



#22
 cis-1,2-Dichloroethene
 Concen: 16.04 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 96 Resp: 83582
 Ion Ratio Lower Upper
 96 100
 61 125.8 100.6 151.0
 98 65.8 52.6 79.0





#23

tert-Butyl Alcohol

Concen: 74.84 ug/l

RT: 4.73 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

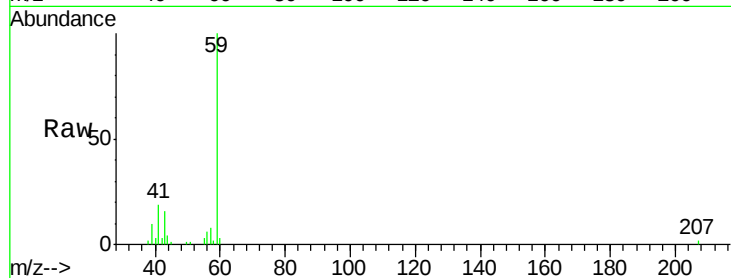
VSTDICCC020

Tgt Ion: 59 Resp: 49872

Ion Ratio Lower Upper

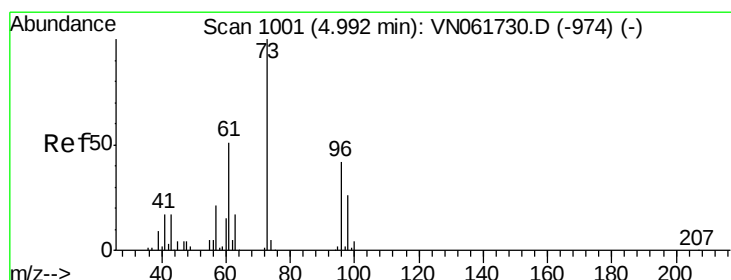
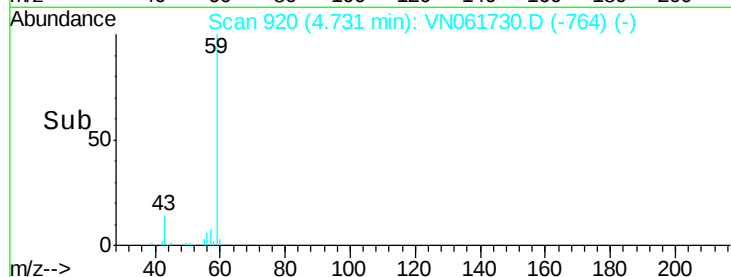
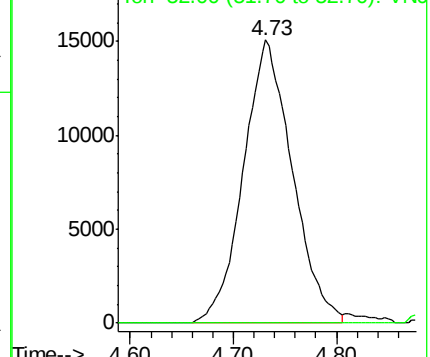
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 13.82 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN061730.D

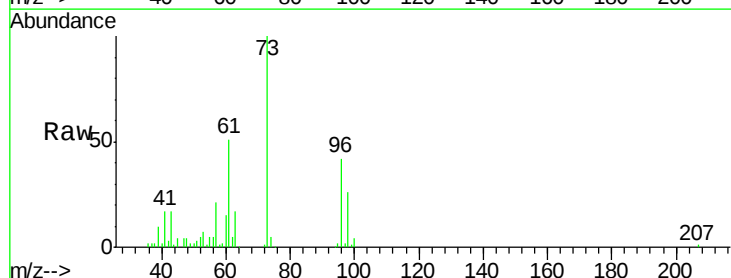
Acq: 10 Jun 2020 10:54

Tgt Ion: 73 Resp: 204106

Ion Ratio Lower Upper

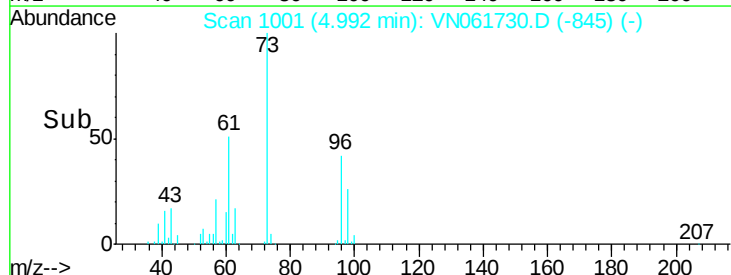
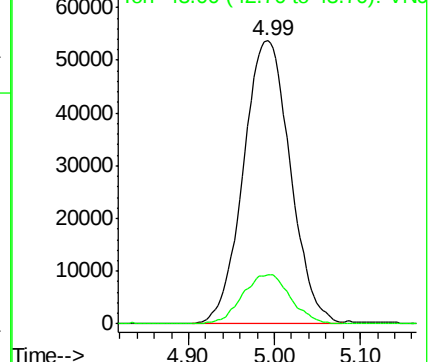
73 100

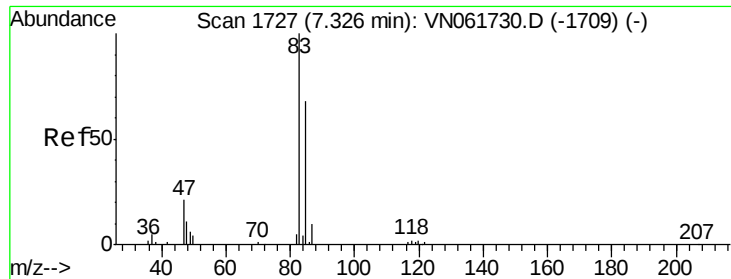
43 8.7 7.0 10.4



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 15.16 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

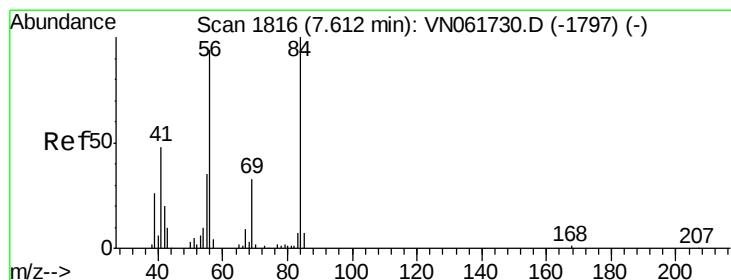
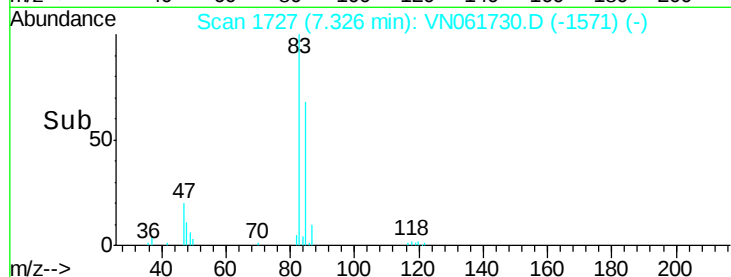
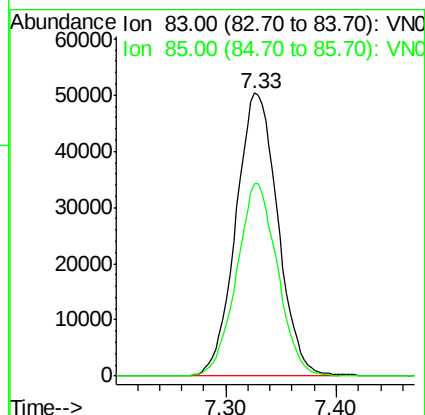
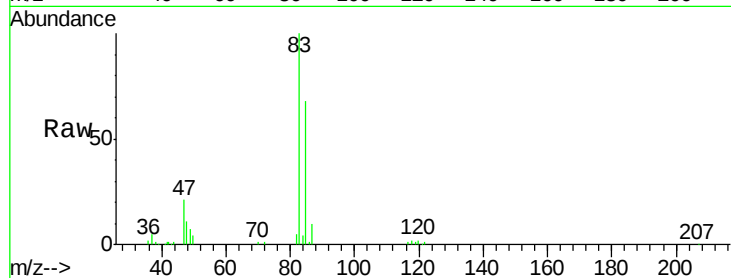
VSTDICCC020

Tgt Ion: 83 Resp: 132774

Ion Ratio Lower Upper

83 100

85 67.8 54.2 81.4



#26

Cyclohexane

Concen: 11.17 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

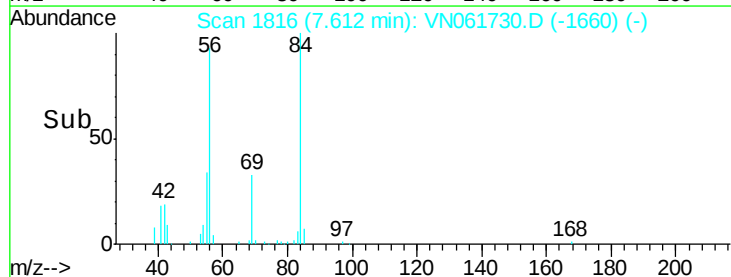
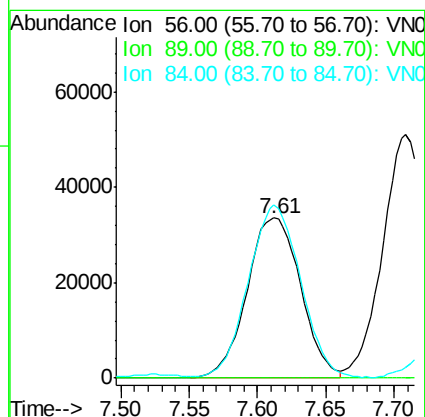
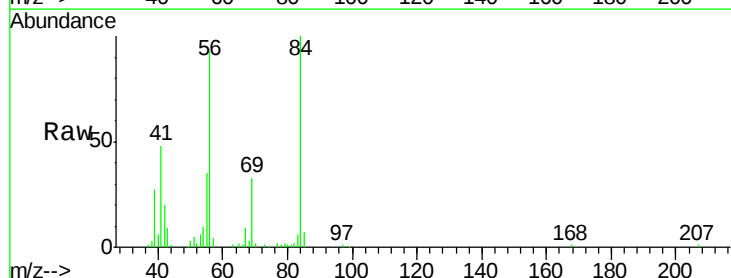
Tgt Ion: 56 Resp: 91816

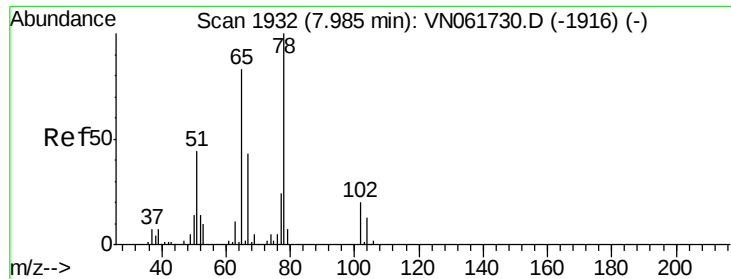
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 104.4 83.5 125.3





#27

1,2-Dichloroethane-d4

Concen: 22.18 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

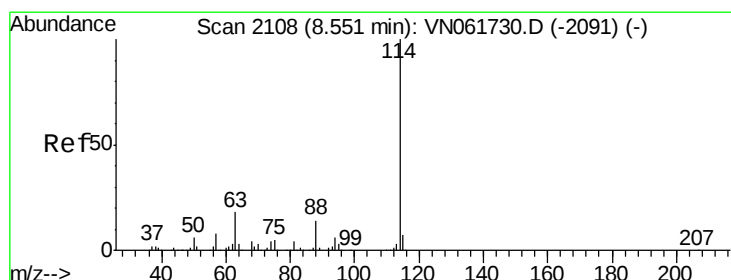
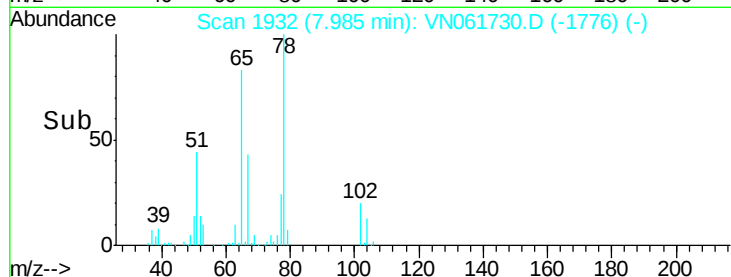
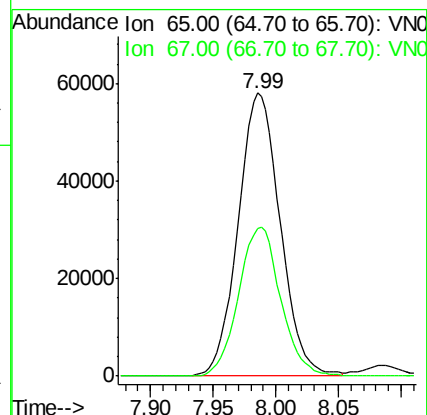
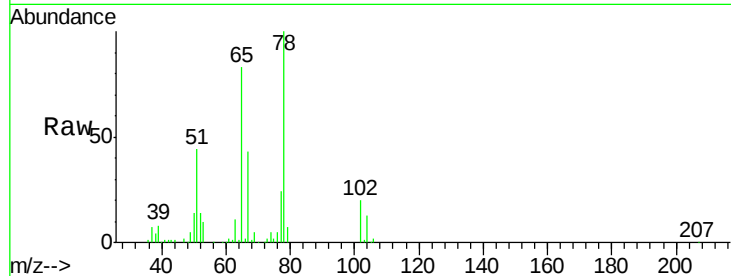
VSTDICCC020

Tgt Ion: 65 Resp: 135115

Ion Ratio Lower Upper

65 100

67 52.8 42.2 63.4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

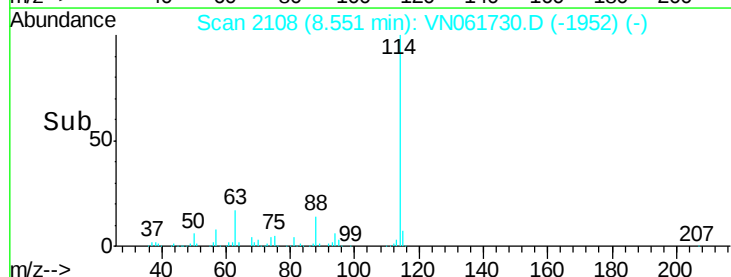
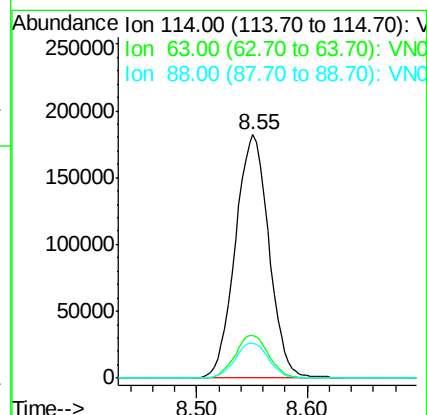
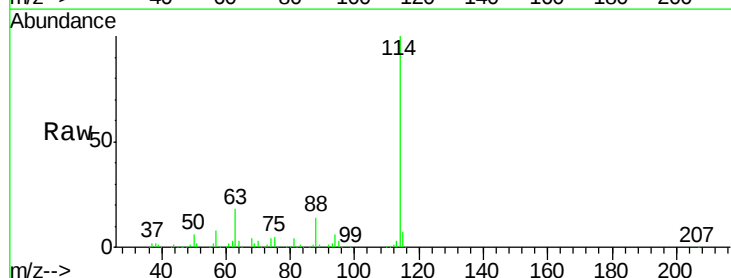
Tgt Ion: 114 Resp: 384663

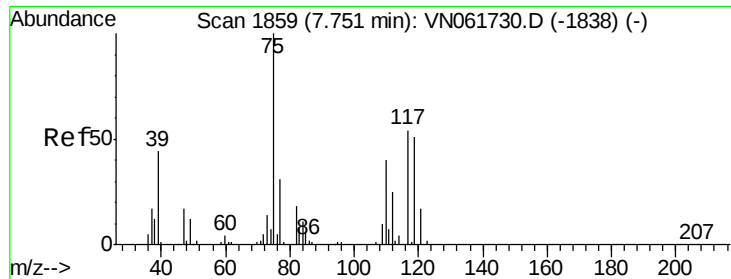
Ion Ratio Lower Upper

114 100

63 17.7 14.2 21.2

88 14.3 11.4 17.2

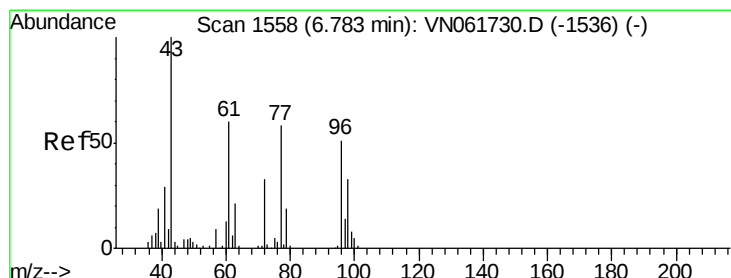
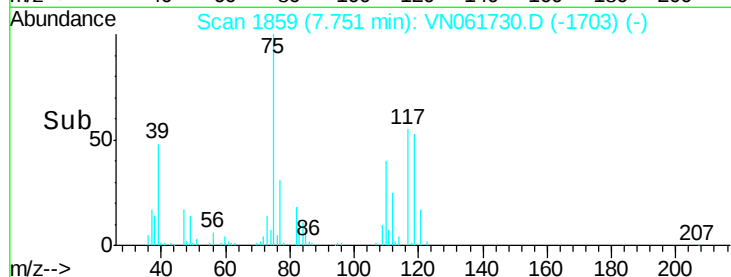
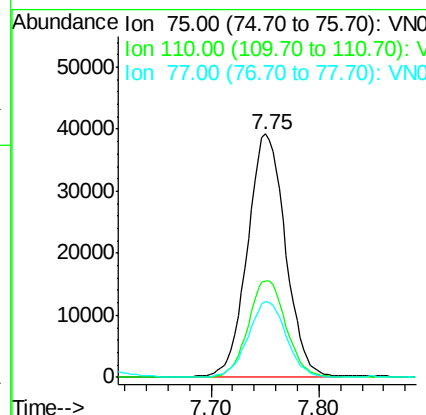
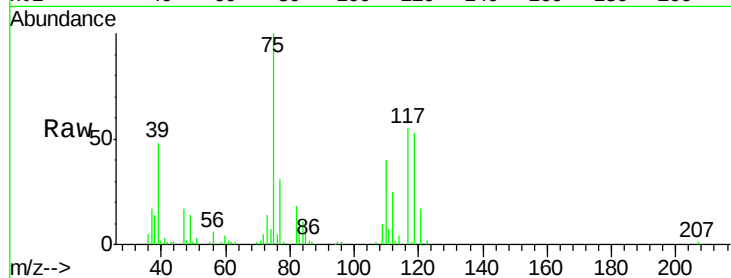




#29
 1,1-Dichloropropene
 Concen: 15.10 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

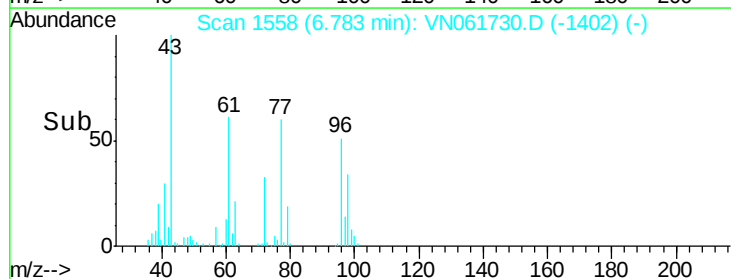
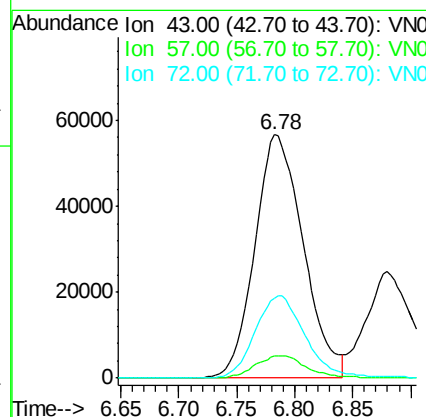
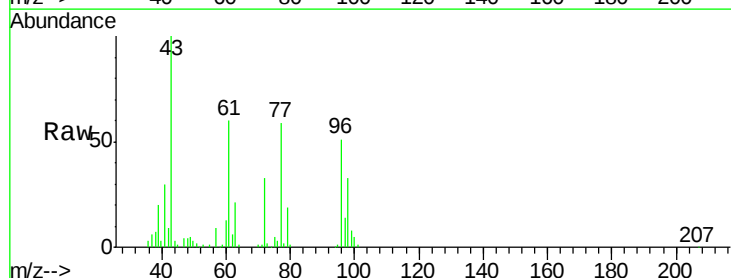
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

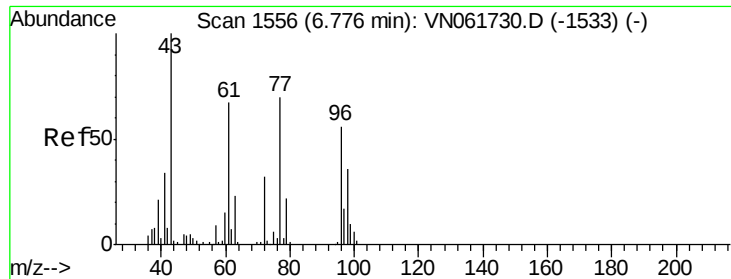
Tgt Ion: 75 Resp: 96127
 Ion Ratio Lower Upper
 75 100
 110 39.3 0.0 78.6
 77 31.2 0.0 62.4



#30
 2-Butanone
 Concen: 63.24 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 43 Resp: 164835
 Ion Ratio Lower Upper
 43 100
 57 9.5 7.6 11.4
 72 34.7 27.8 41.6





#31

2,2-Dichloropropane

Concen: 14.99 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

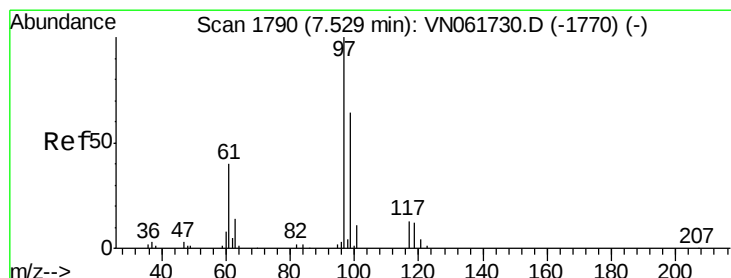
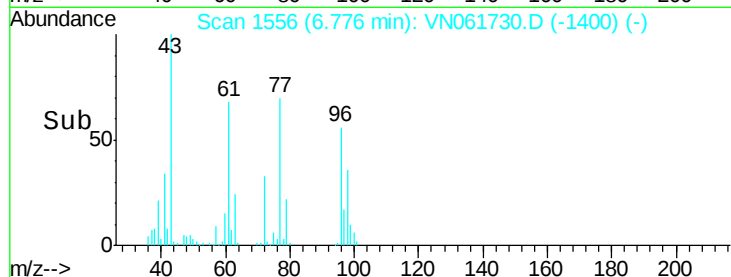
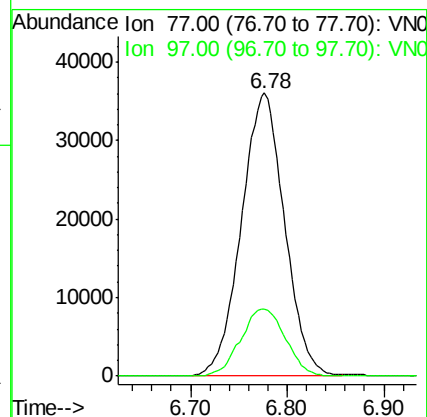
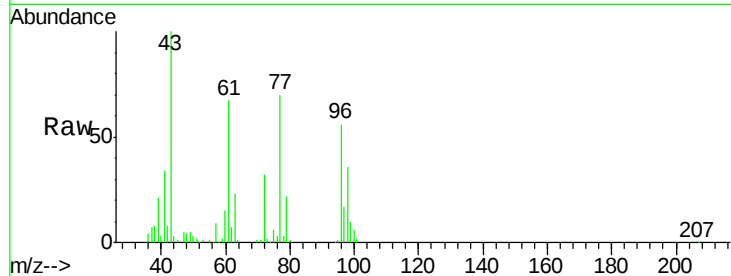
VSTDICCC020

Tgt Ion: 77 Resp: 111728

Ion Ratio Lower Upper

77 100

97 24.5 19.6 29.4



#32

1,1,1-Trichloroethane

Concen: 16.65 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

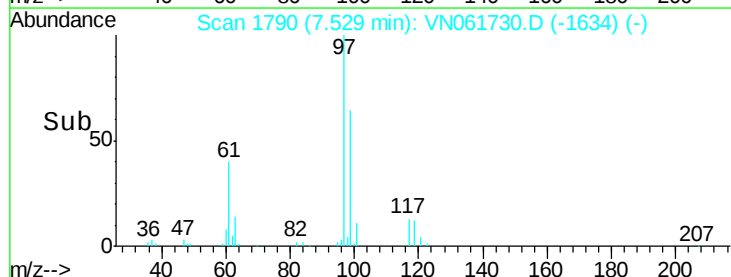
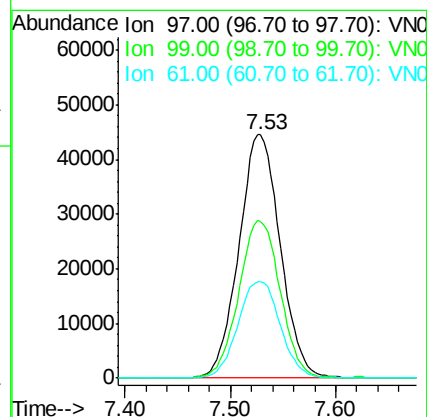
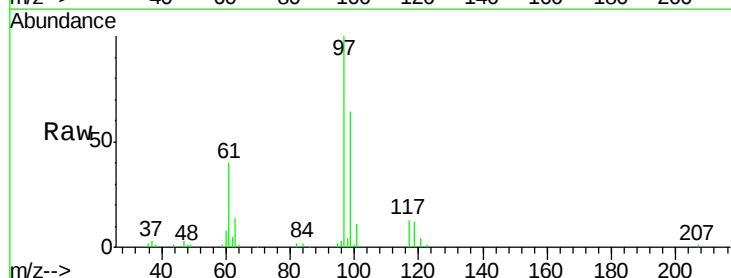
Tgt Ion: 97 Resp: 121354

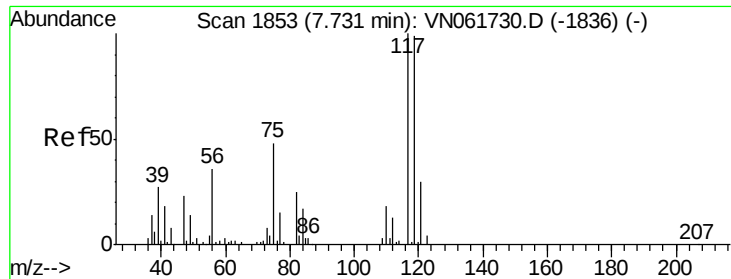
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 40.4 32.3 48.5

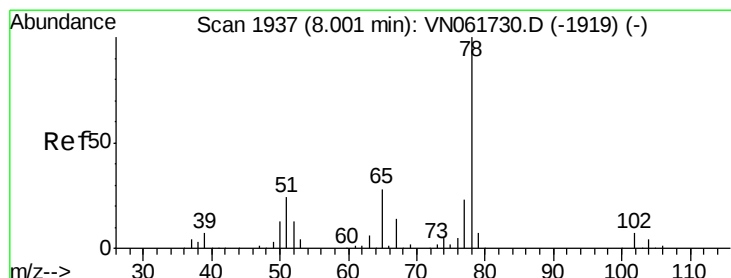
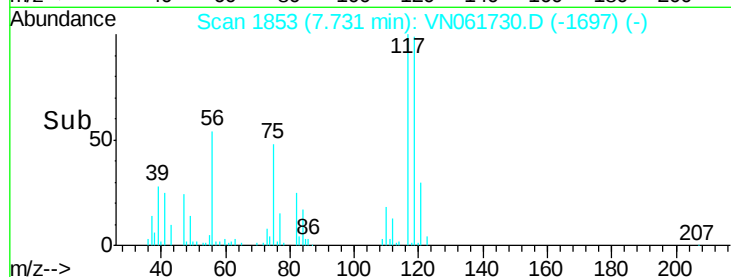
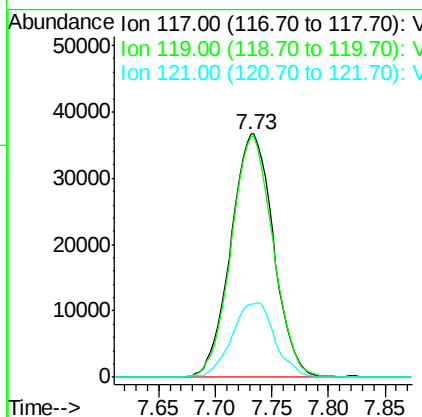
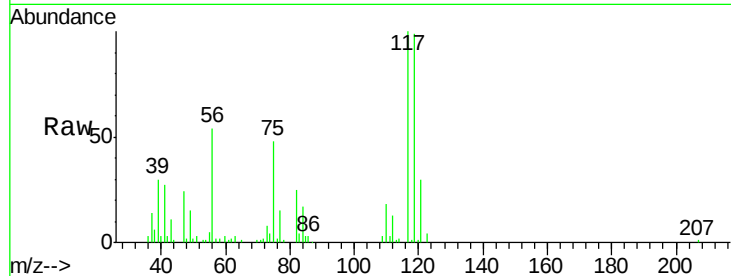




#33
Carbon Tetrachloride
Concen: 17.01 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

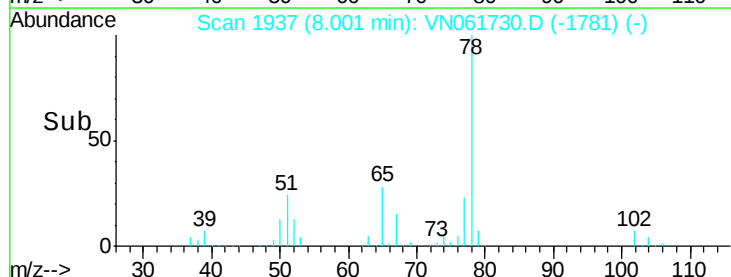
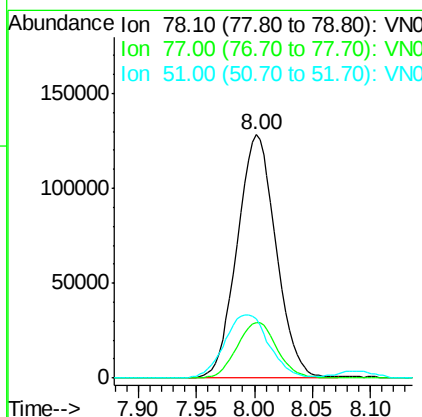
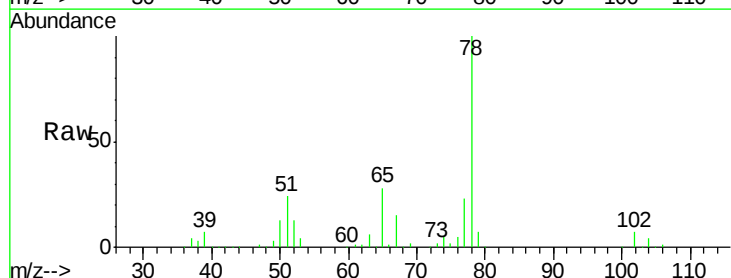
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

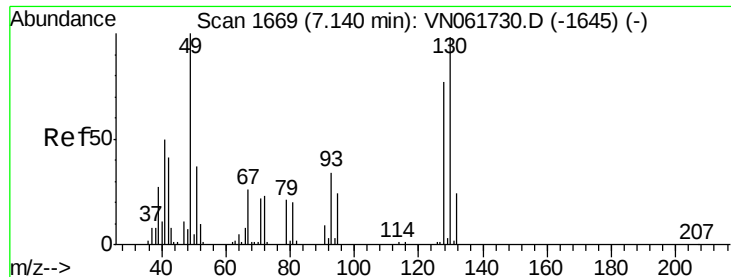
Tgt Ion: 117 Resp: 96103
Ion Ratio Lower Upper
117 100
119 99.1 79.3 118.9
121 30.3 24.2 36.4



#34
Benzene
Concen: 16.37 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 78 Resp: 299008
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
51 23.9 19.1 28.7

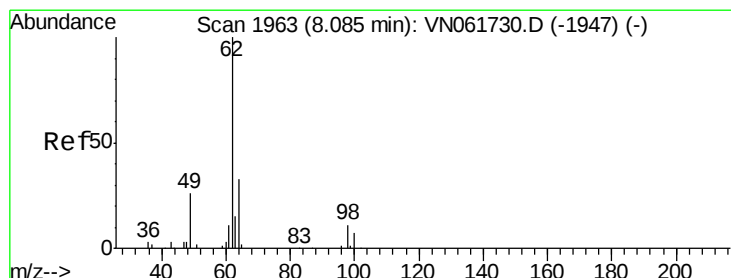
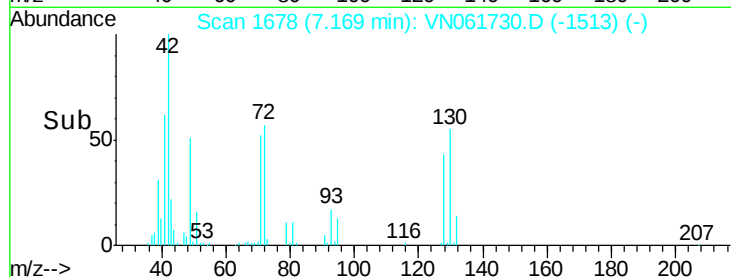
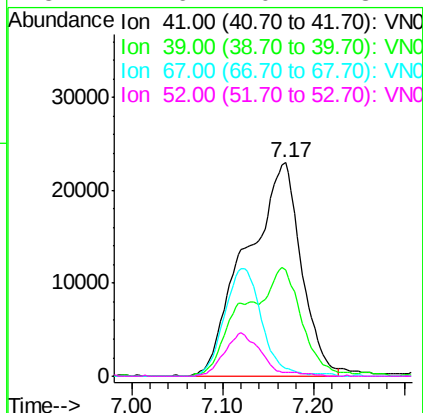
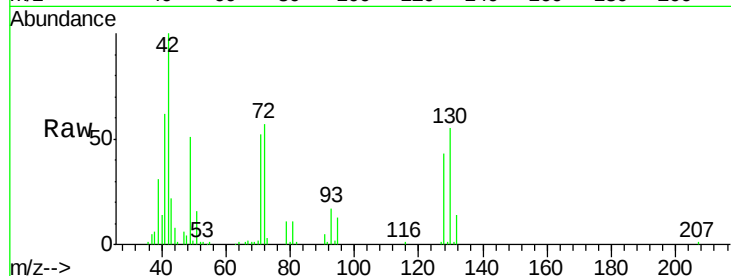




#35
Methacrylonitrile
Concen: 38.51 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.03 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

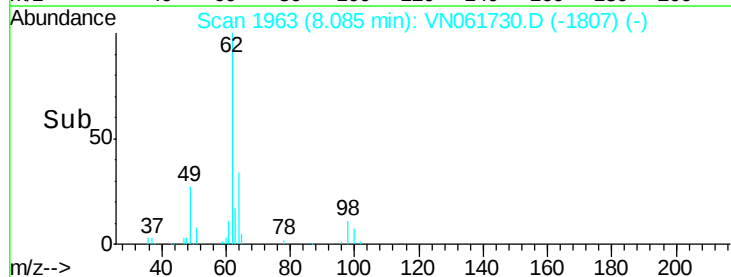
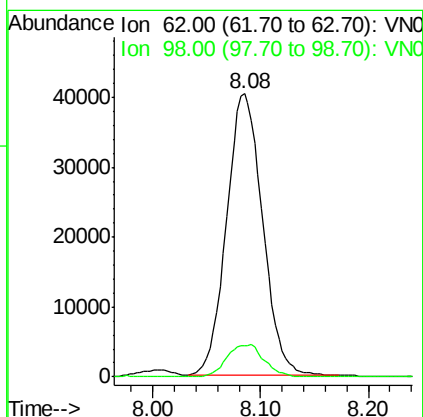
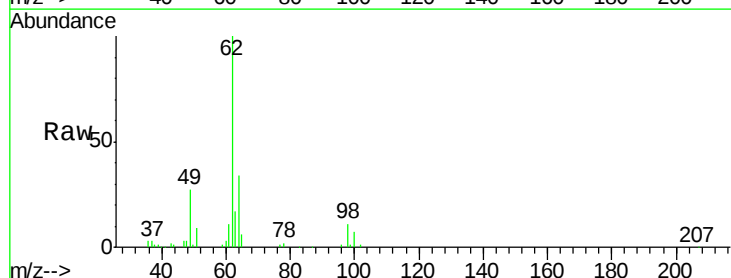
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

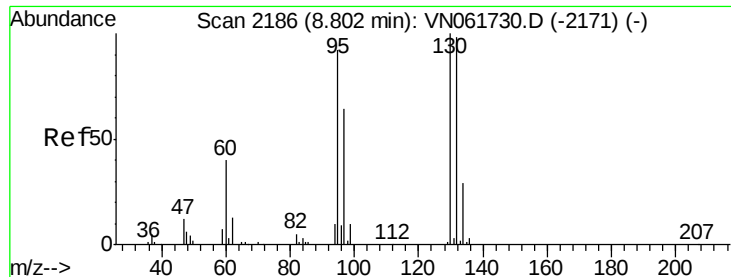
Tgt Ion: 41 Resp: 96412
Ion Ratio Lower Upper
41 100
39 50.0 26.5 79.5
67 3.9 25.4 76.2#
52 1.6 10.4 31.2#



#36
1,2-Dichloroethane
Concen: 13.80 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 62 Resp: 93888
Ion Ratio Lower Upper
62 100
98 11.8 9.4 14.2





#37

Trichloroethene

Concen: 19.58 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

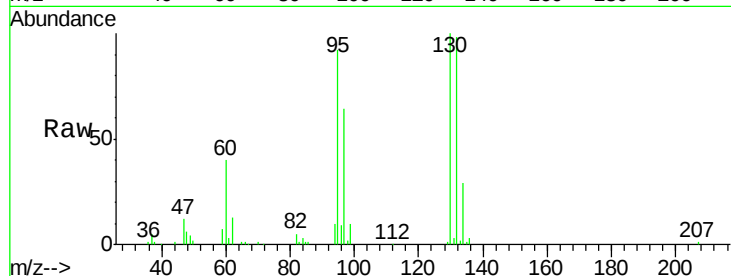
VSTDICCC020

Tgt Ion:130 Resp: 92112

Ion Ratio Lower Upper

130 100

95 92.4 73.9 110.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

50000

40000

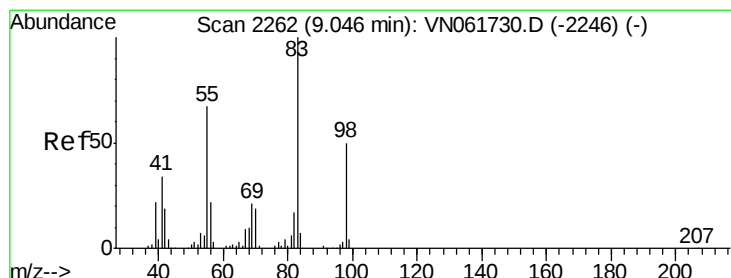
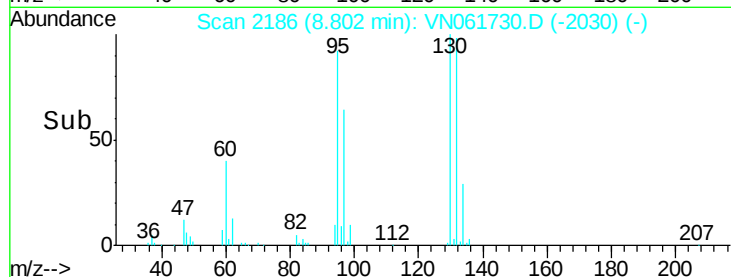
30000

20000

10000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 14.23 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

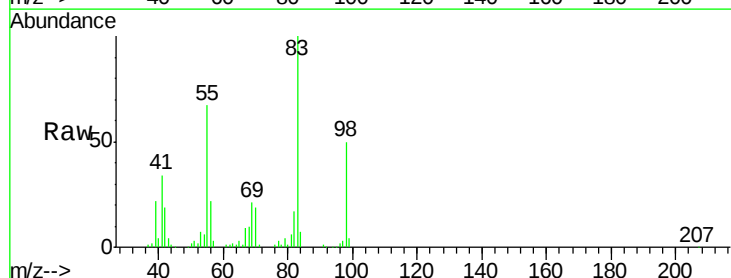
Tgt Ion: 83 Resp: 107777

Ion Ratio Lower Upper

83 100

55 65.4 32.7 98.1

98 50.9 25.4 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

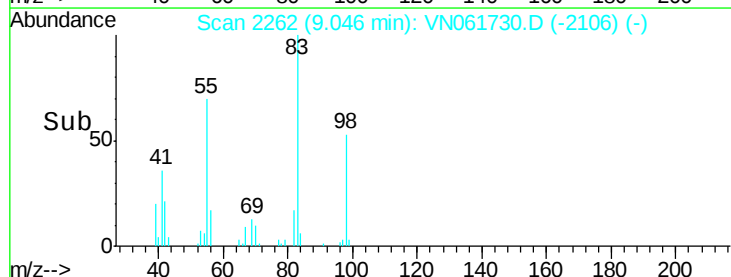
60000

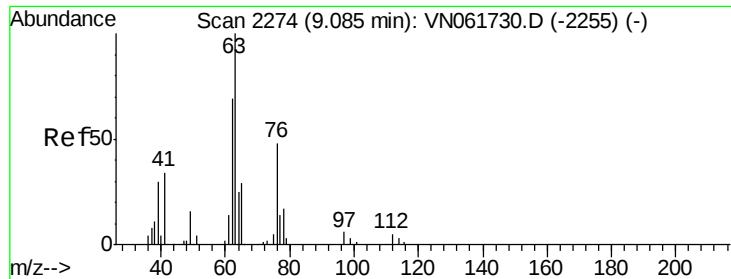
40000

20000

0

Time--> 8.95 9.00 9.05 9.10

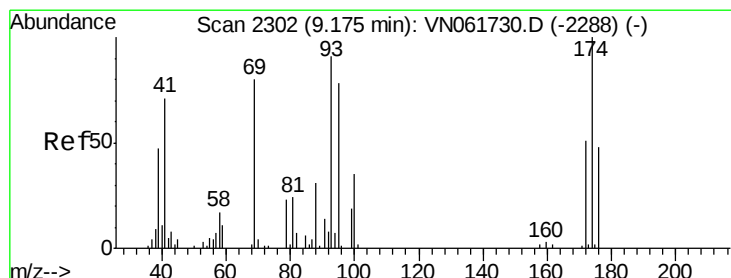
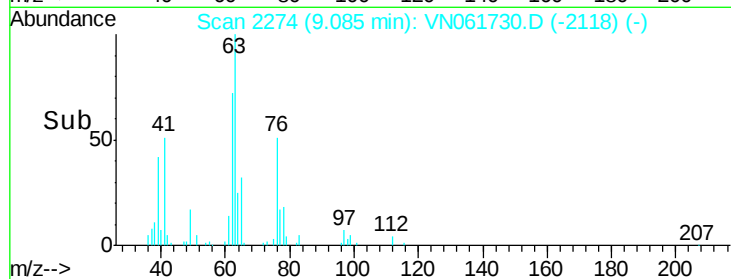
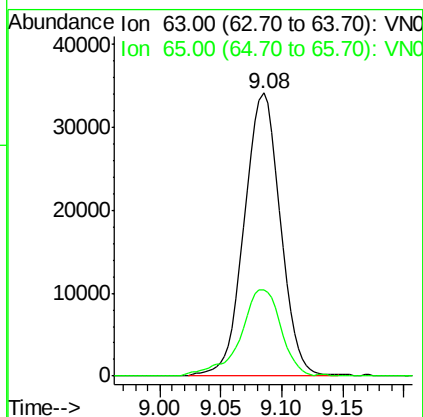
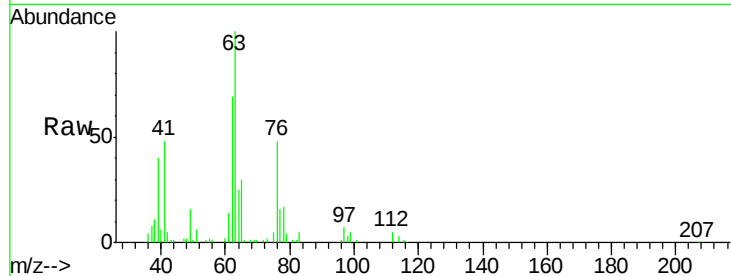




#39
 1,2-Dichloropropane
 Concen: 14.31 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

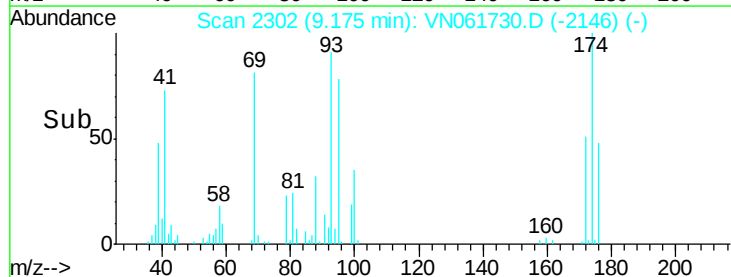
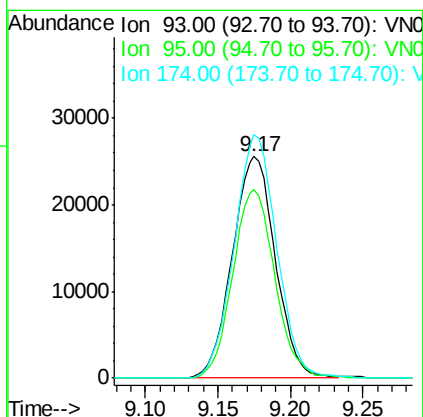
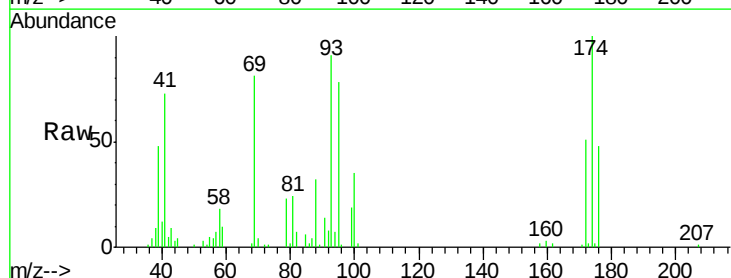
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

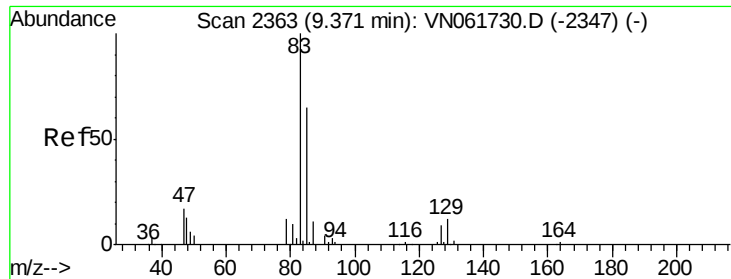
Tgt Ion: 63 Resp: 69895
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#40
 Dibromomethane
 Concen: 16.80 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 93 Resp: 52757
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 165.8
 174 108.9 0.0 217.8

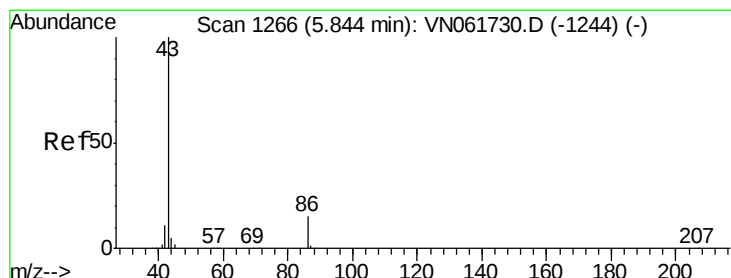
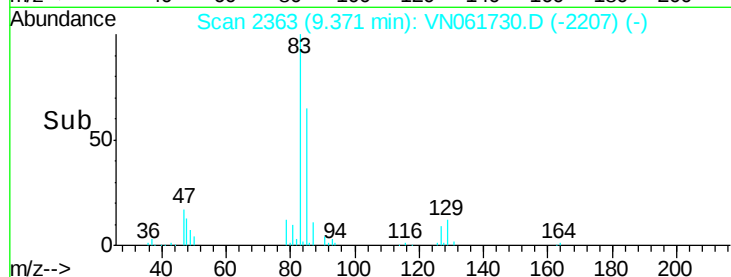
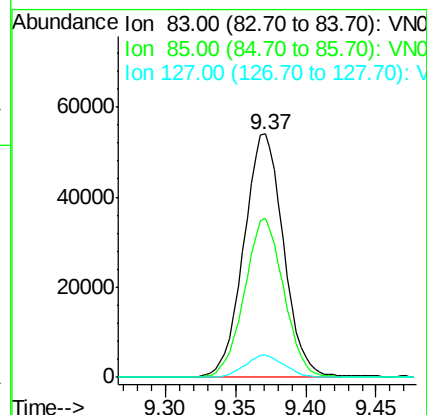
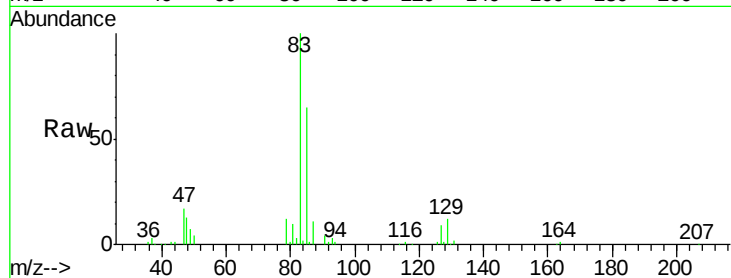




#41
 Bromodichloromethane
 Concen: 15.88 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

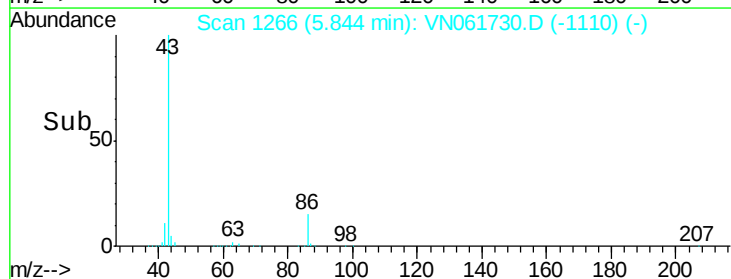
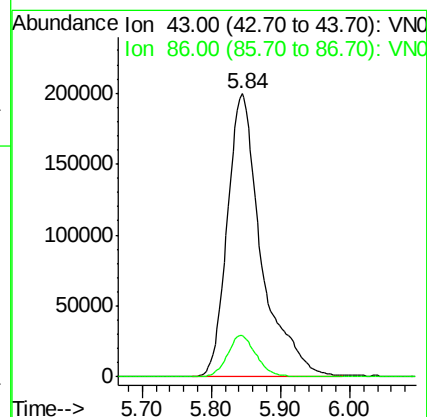
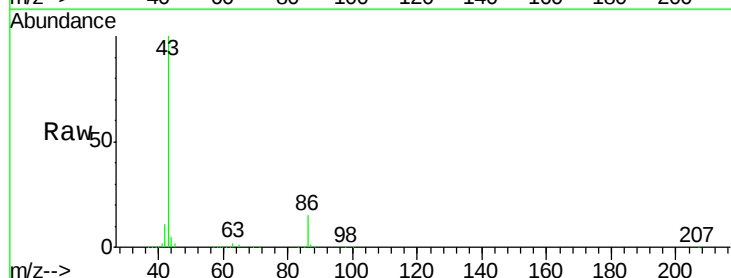
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

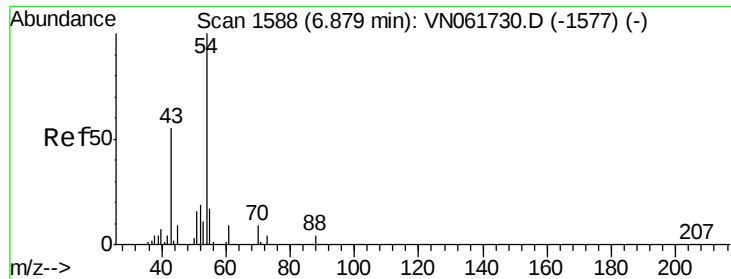
Tgt Ion: 83 Resp: 106489
 Ion Ratio Lower Upper
 83 100
 85 65.3 52.2 78.4
 127 9.0 7.2 10.8



#42
 Vinyl Acetate
 Concen: 55.89 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 43 Resp: 683142
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.0 15.0





#43

Ethyl Acetate

Concen: 11.14 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

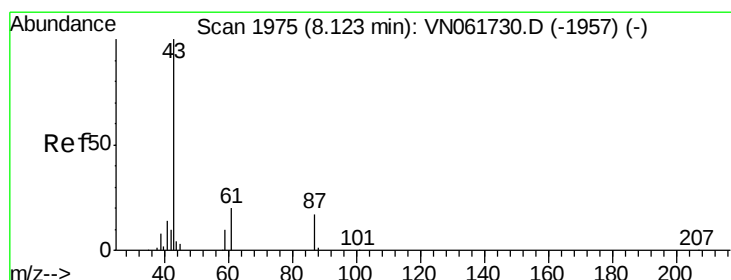
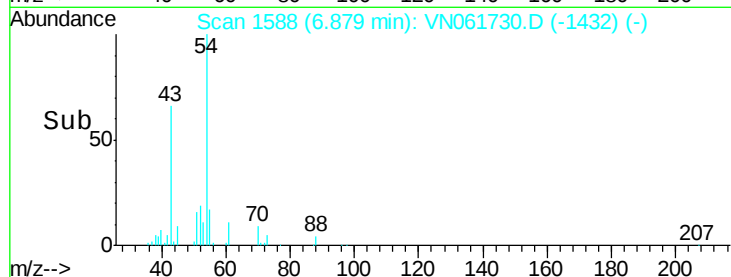
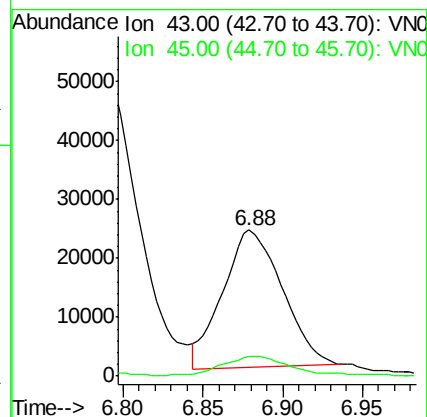
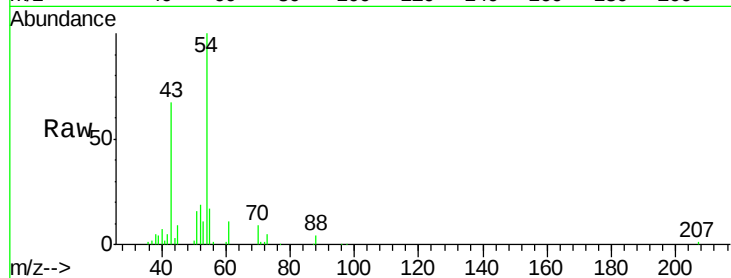
VSTDICCC020

Tgt Ion: 43 Resp: 60015

Ion Ratio Lower Upper

43 100

45 14.3 11.4 17.2



#44

Isopropyl Acetate

Concen: 11.10 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061730.D

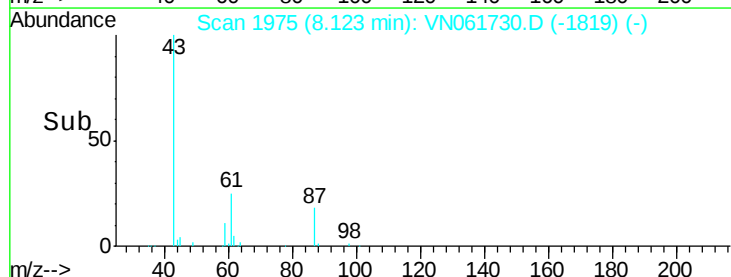
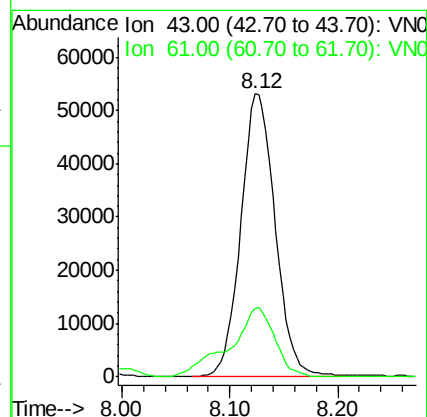
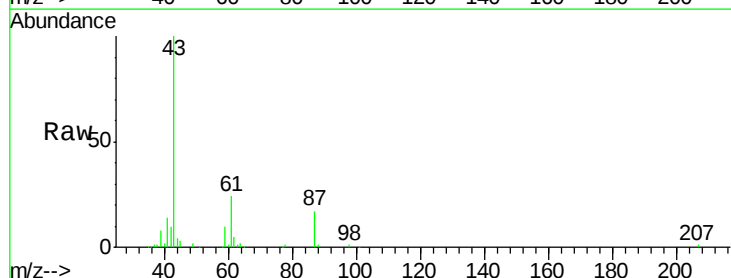
Acq: 10 Jun 2020 10:54

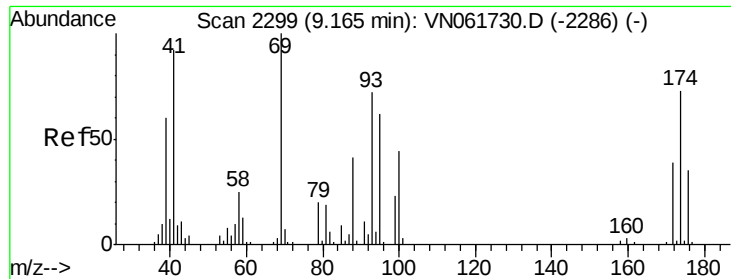
Tgt Ion: 43 Resp: 117952

Ion Ratio Lower Upper

43 100

61 23.6 18.9 28.3





#45

1,4-Dioxane

Concen: 474.56 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

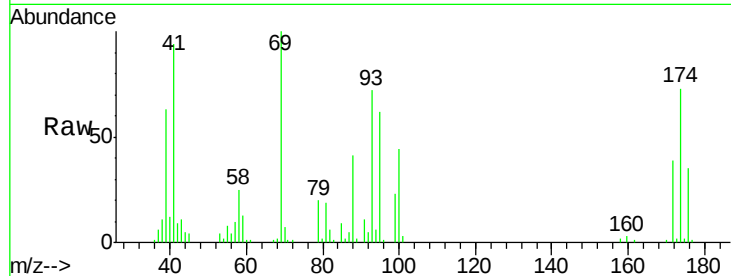
Tgt Ion: 88 Resp: 23427

Ion Ratio Lower Upper

88 100

43 27.3 21.8 32.8

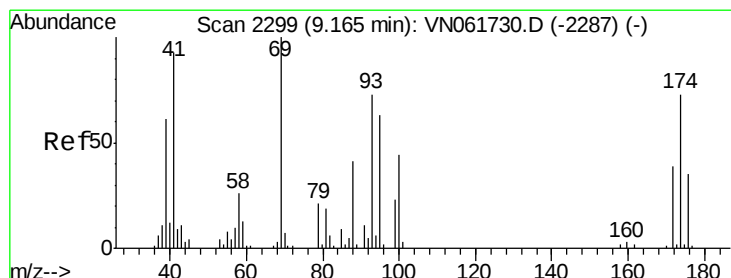
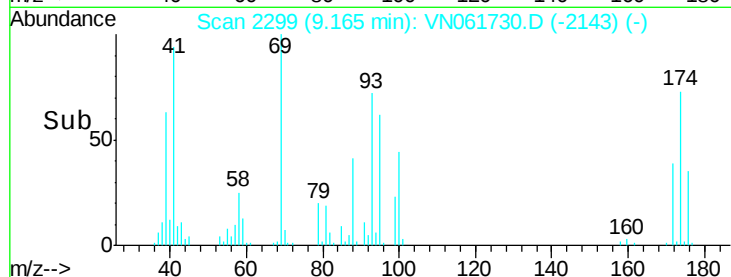
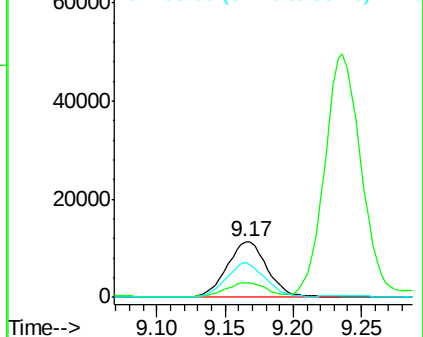
58 60.5 48.4 72.6



Abundance Ion 88.00 (87.70 to 88.70): VN061730.D (-2286) (-)

Ion 43.00 (42.70 to 43.70): VN061730.D (-2286) (-)

Ion 58.00 (57.70 to 58.70): VN061730.D (-2286) (-)



#46

Methyl methacrylate

Concen: 9.82 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

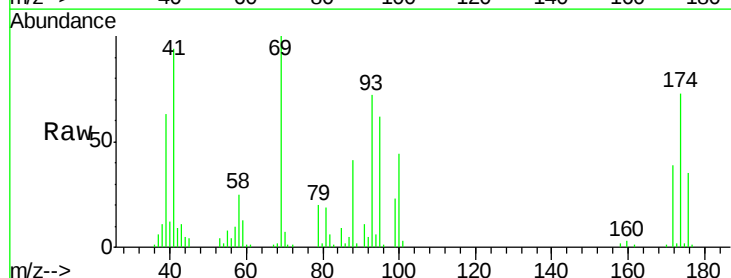
Tgt Ion: 41 Resp: 48471

Ion Ratio Lower Upper

41 100

69 107.6 53.8 161.4

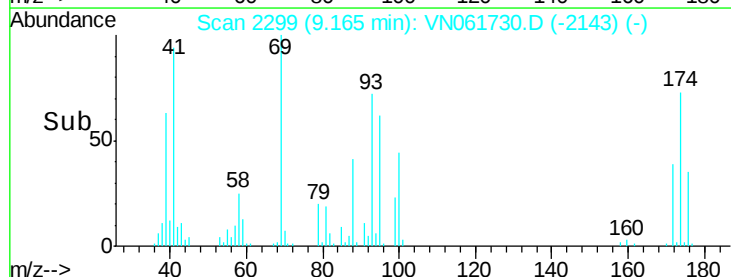
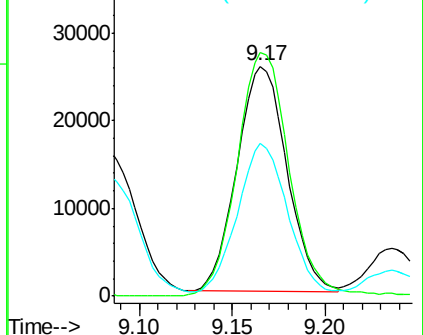
39 65.9 33.0 98.9

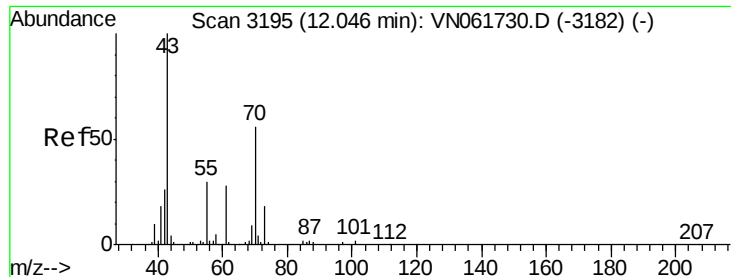


Abundance Ion 41.00 (40.70 to 41.70): VN061730.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061730.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061730.D (-2287) (-)

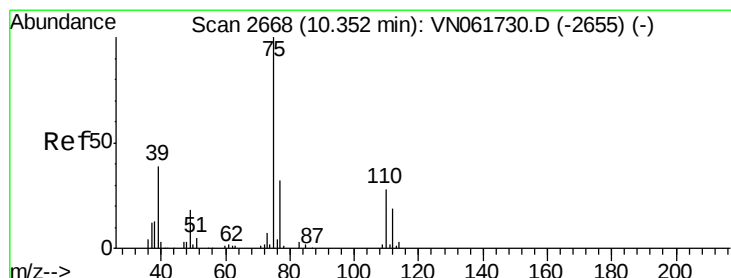
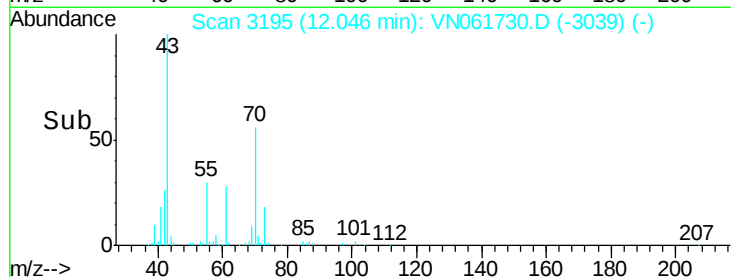
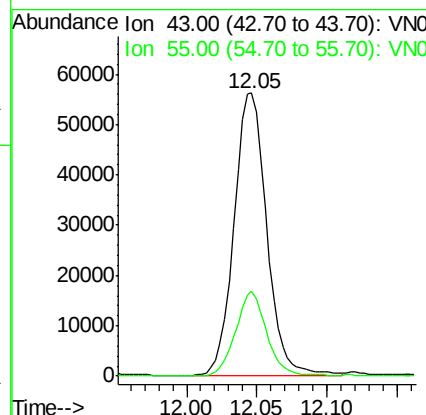
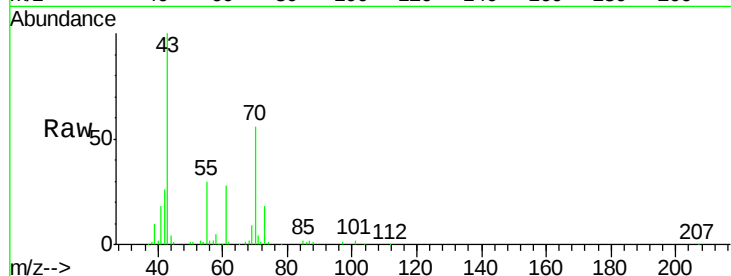




#47
n-amyl Acetate
Concen: 9.76 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

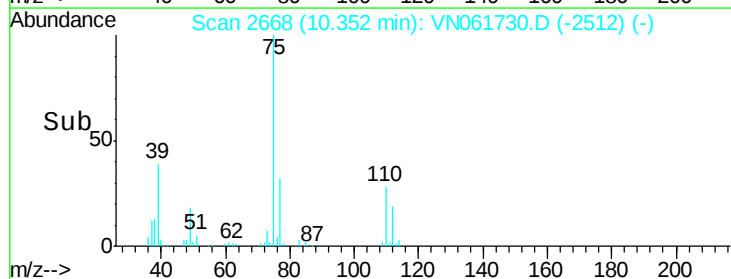
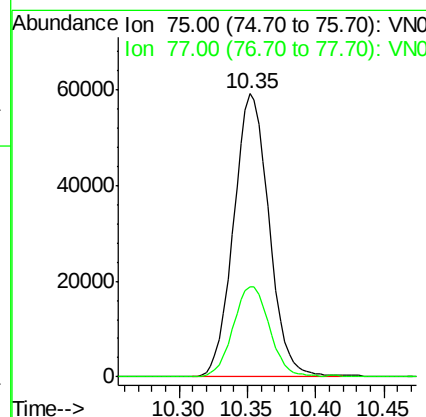
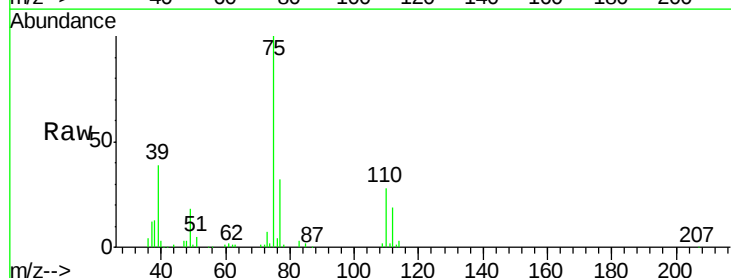
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

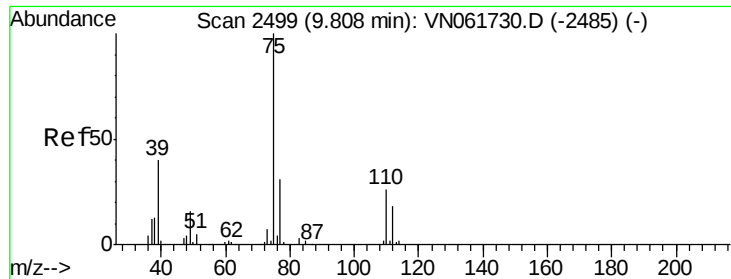
Tgt Ion: 43 Resp: 91534
Ion Ratio Lower Upper
43 100
55 28.4 22.7 34.1



#48
t-1,3-Dichloropropene
Concen: 13.81 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 75 Resp: 106749
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



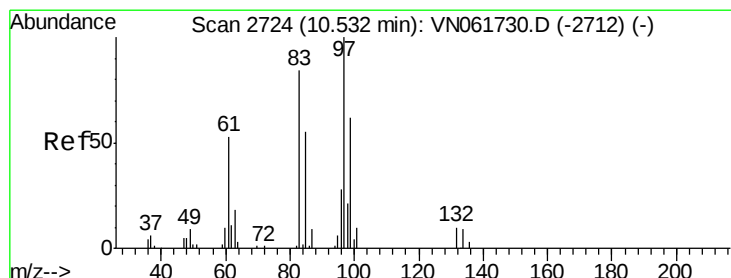
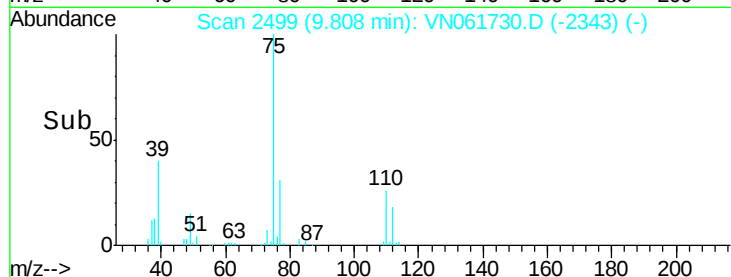
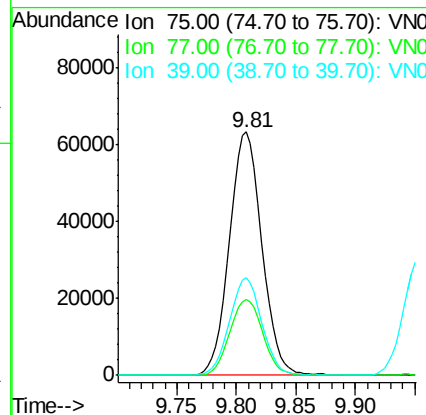
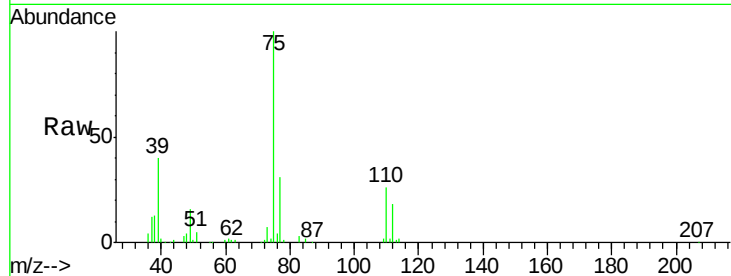


#49

cis-1,3-Dichloropropene
 Concen: 14.51 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

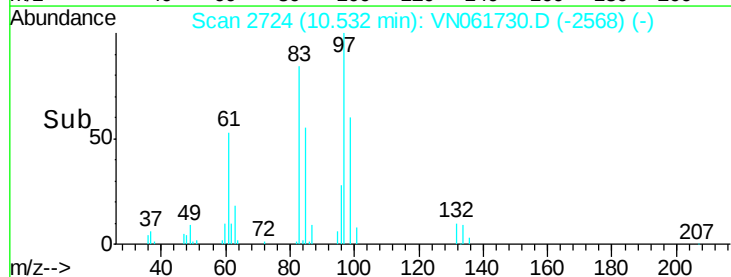
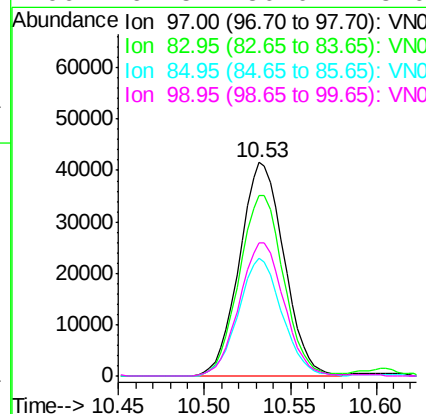
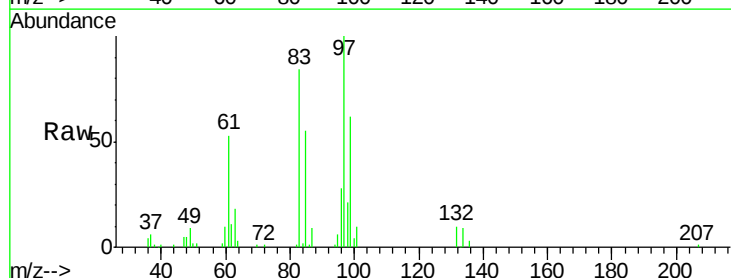
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	39.7	31.8	47.6

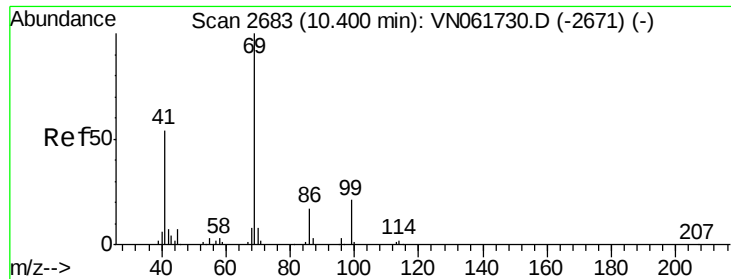


#50

1,1,2-Trichloroethane
 Concen: 17.17 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.6	101.4
85	55.0	44.0	66.0
99	62.5	50.0	75.0





#51

Ethyl methacrylate

Concen: 13.11 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

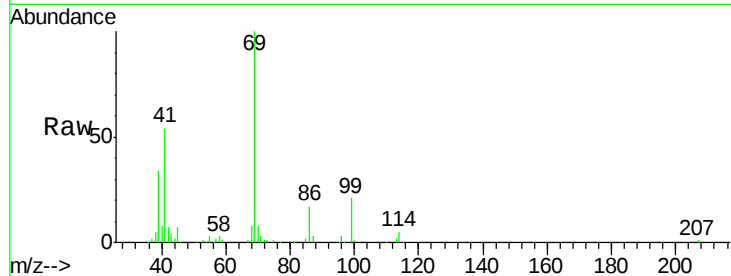
Tgt Ion: 69 Resp: 93604

Ion Ratio Lower Upper

69 100

41 53.8 26.9 80.7

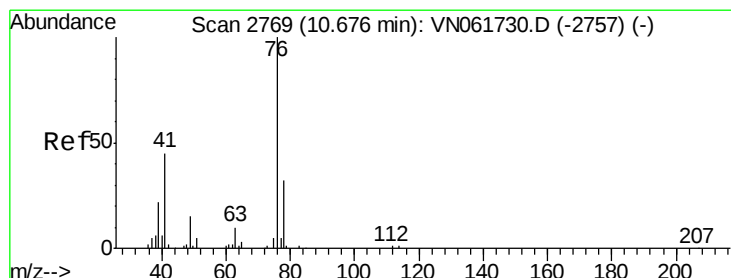
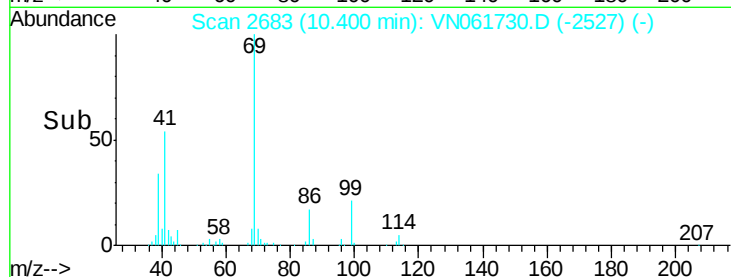
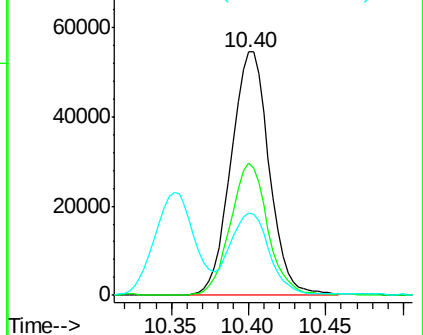
39 33.4 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN061730.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN061730.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN061730.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 15.44 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061730.D

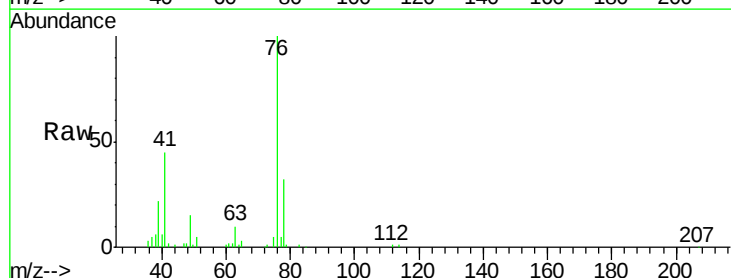
Acq: 10 Jun 2020 10:54

Tgt Ion: 76 Resp: 119224

Ion Ratio Lower Upper

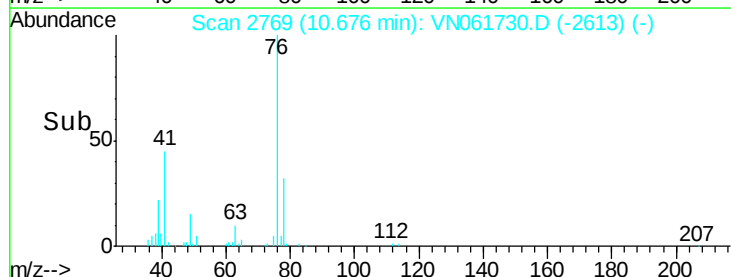
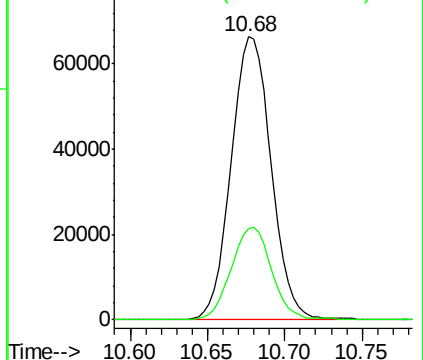
76 100

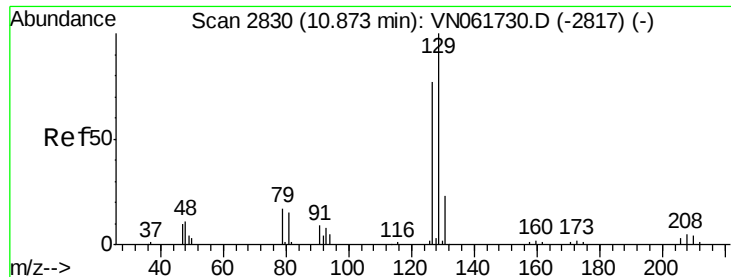
78 32.9 0.0 65.8



Abundance Ion 76.00 (75.70 to 76.70): VN061730.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN061730.D (-2757) (-)





#53

Dibromochloromethane

Concen: 18.15 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

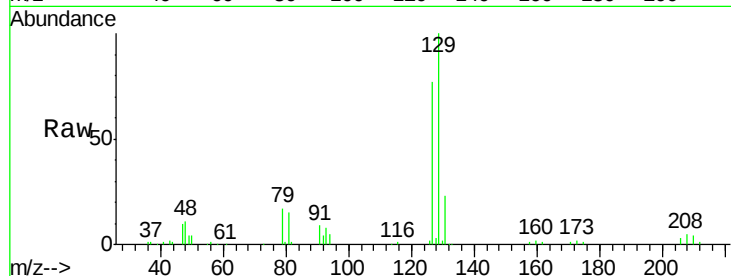
VSTDICCC020

Tgt Ion:129 Resp: 87810

Ion Ratio Lower Upper

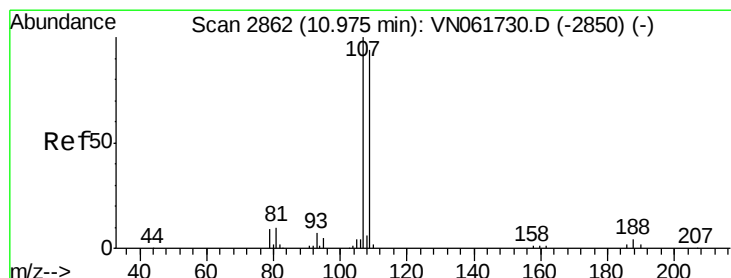
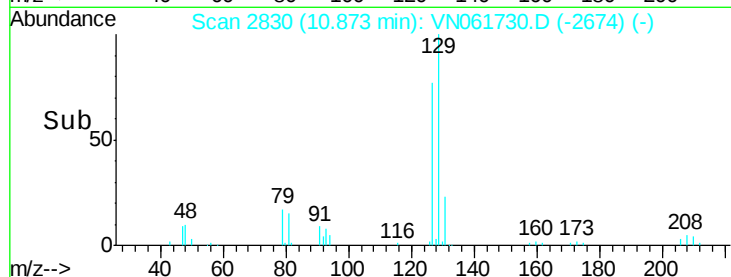
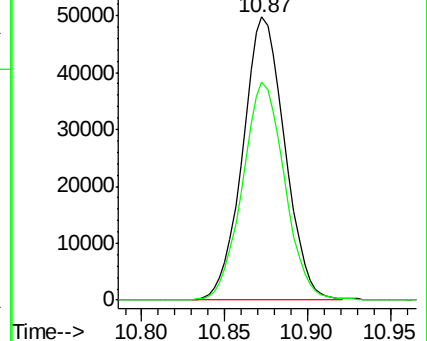
129 100

127 77.3 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.49 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN061730.D

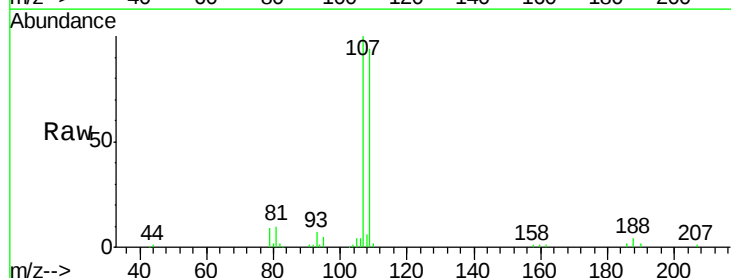
Acq: 10 Jun 2020 10:54

Tgt Ion:107 Resp: 78877

Ion Ratio Lower Upper

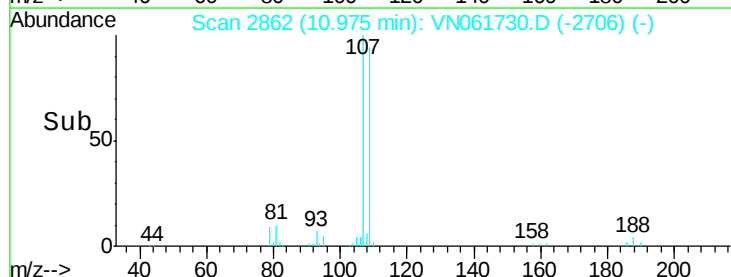
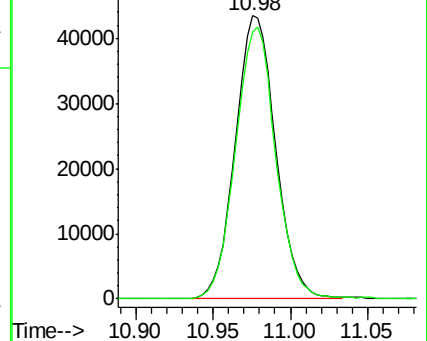
107 100

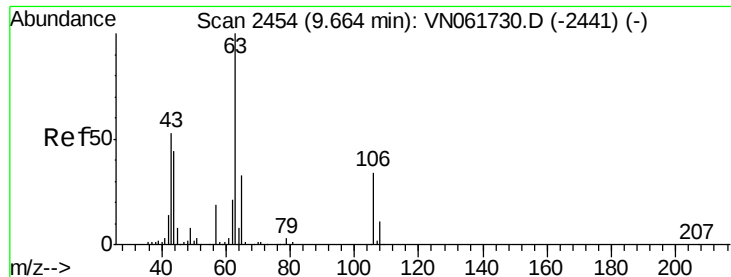
109 95.7 76.6 114.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 53.29 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

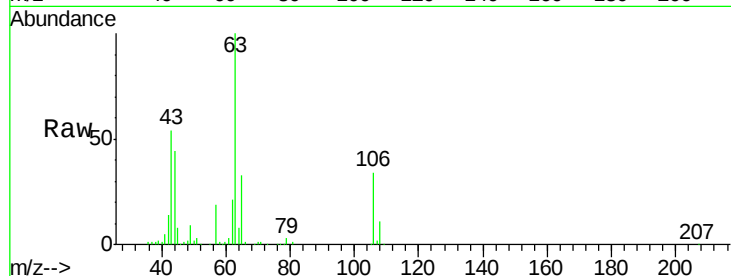
Tgt Ion: 63 Resp: 164307

Ion Ratio Lower Upper

63 100

65 32.3 25.8 38.8

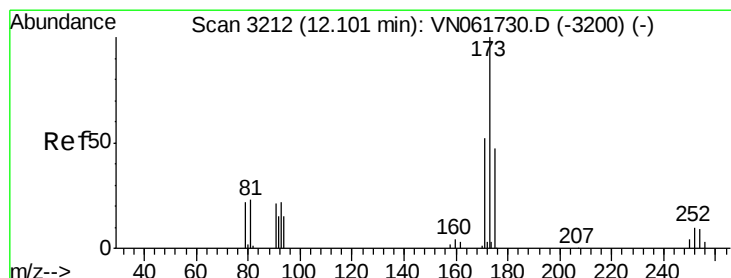
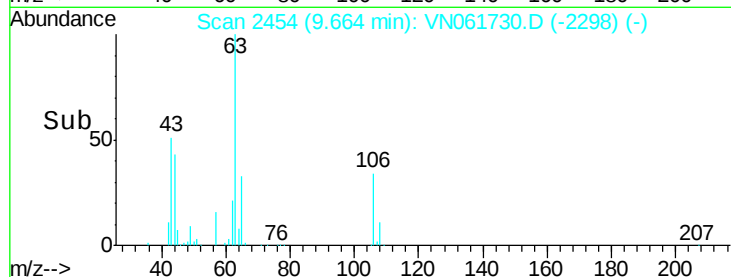
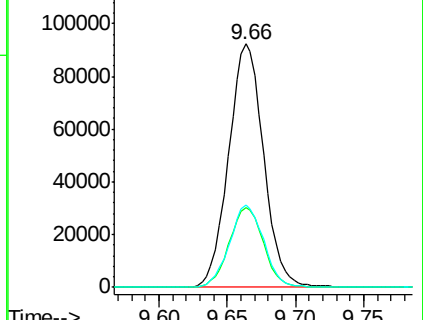
106 33.1 26.5 39.7



Abundance Ion 63.00 (62.70 to 63.70): VN061730.D (-2441) (-)

Ion 65.00 (64.70 to 65.70): VN061730.D (-2441) (-)

Ion 106.00 (105.70 to 106.70): VN061730.D (-2441) (-)



#56

Bromoform

Concen: 18.90 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

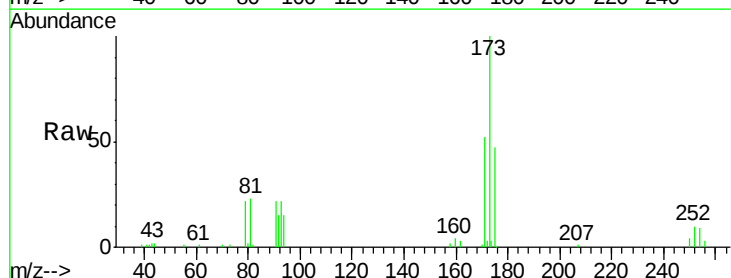
Tgt Ion: 173 Resp: 58450

Ion Ratio Lower Upper

173 100

175 46.9 37.5 56.3

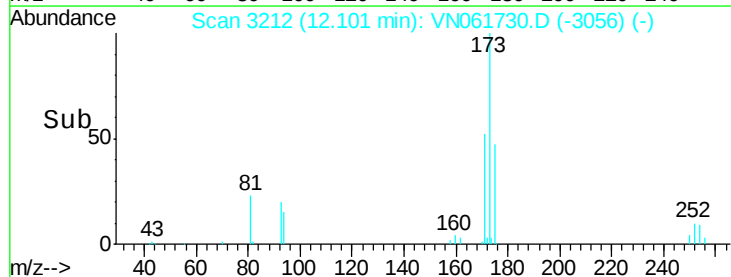
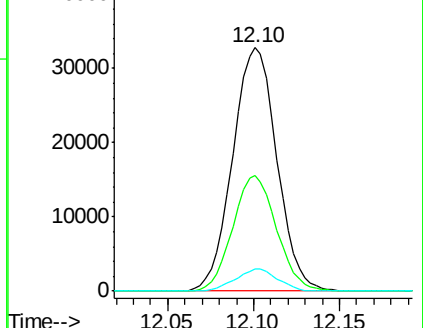
254 8.6 6.9 10.3

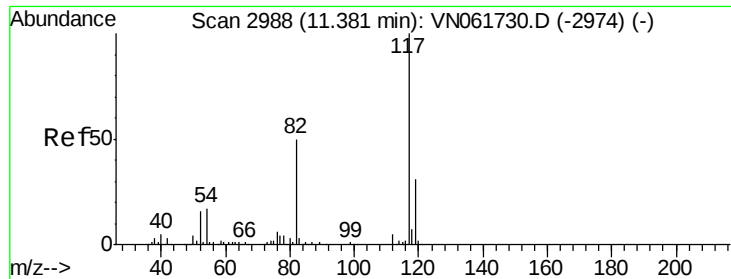


Abundance Ion 173.00 (172.70 to 173.70): VN061730.D (-3200) (-)

Ion 175.00 (174.70 to 175.70): VN061730.D (-3200) (-)

Ion 254.00 (253.70 to 254.70): VN061730.D (-3200) (-)

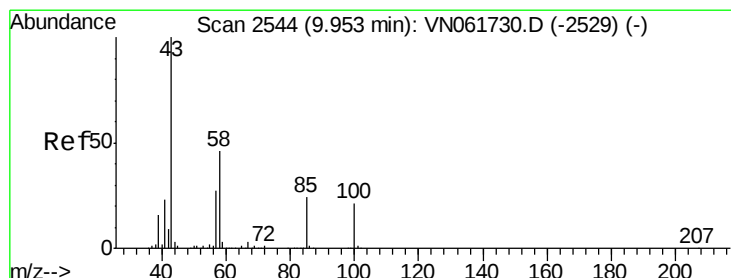
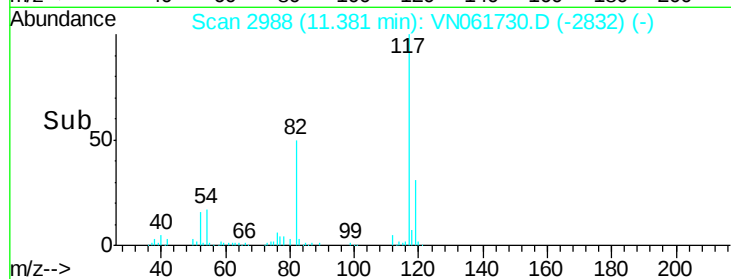
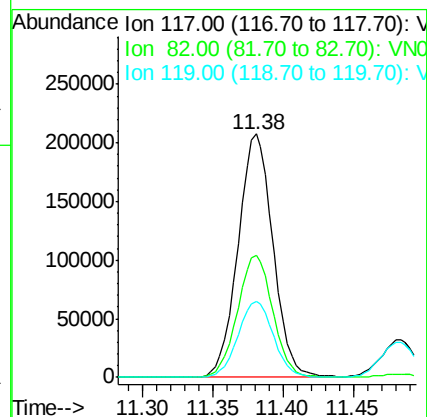
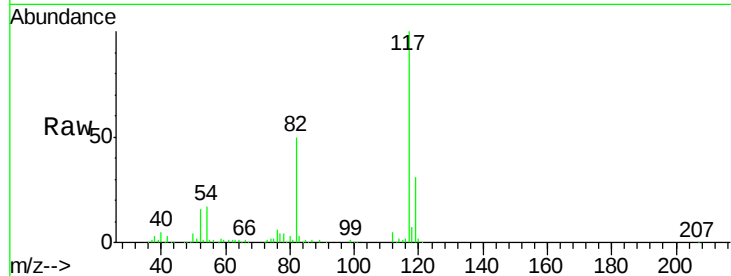




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

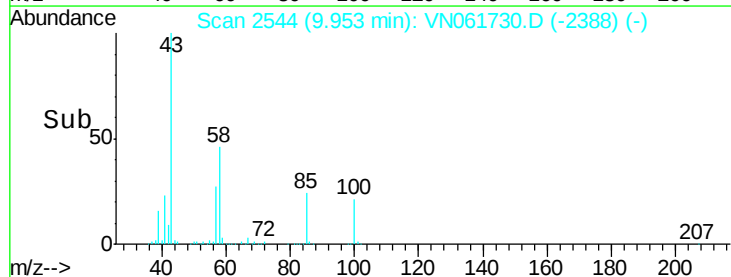
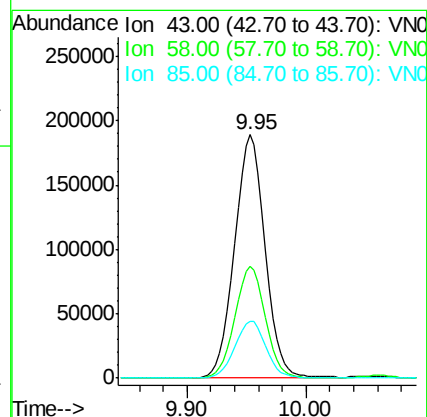
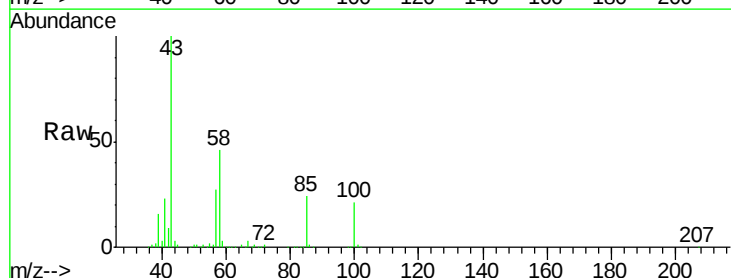
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

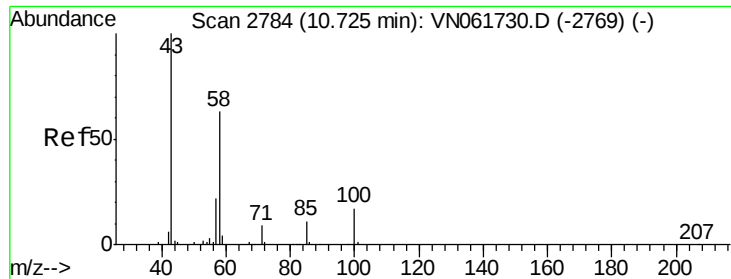
Tgt Ion: 117 Resp: 360753
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 56.63 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 43 Resp: 336189
Ion Ratio Lower Upper
43 100
58 45.7 36.6 54.8
85 23.8 19.0 28.6

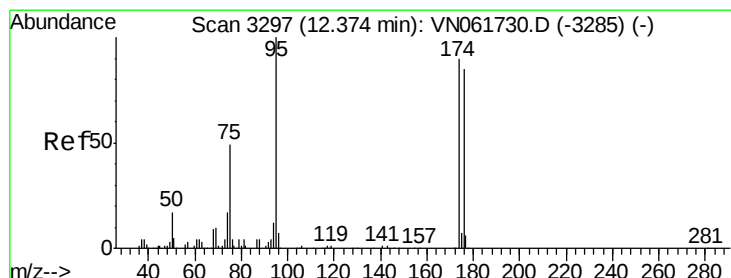
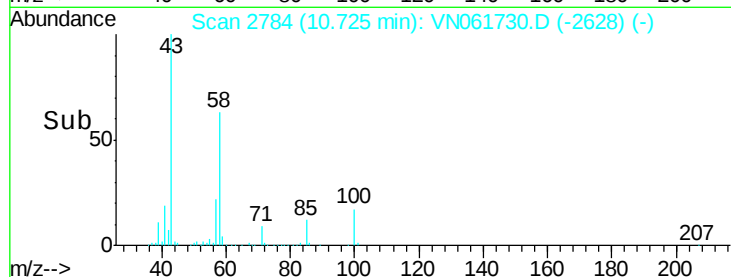
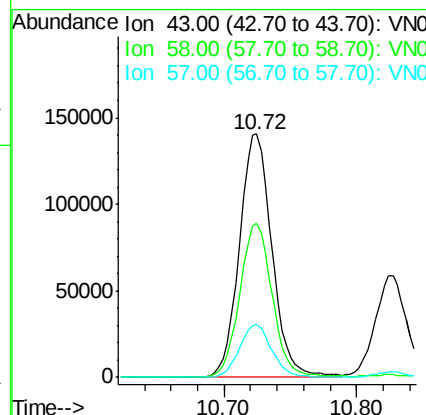
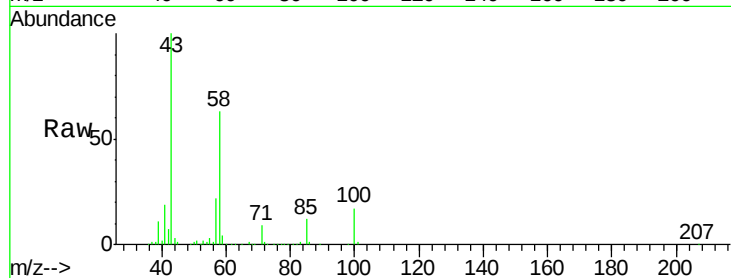




#59
2-Hexanone
Concen: 57.18 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

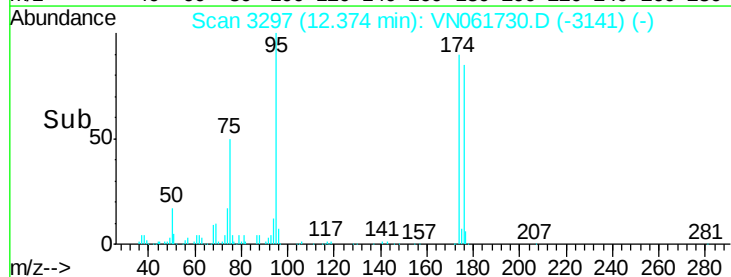
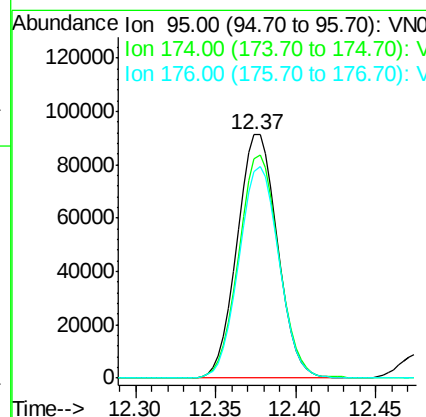
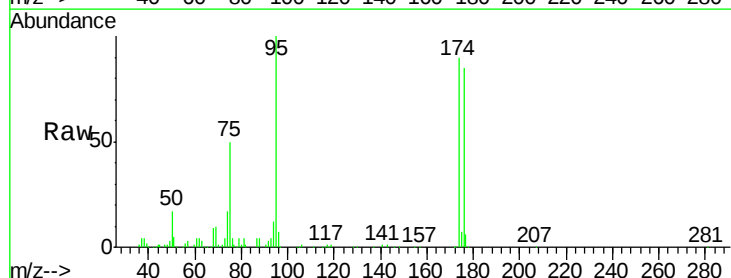
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

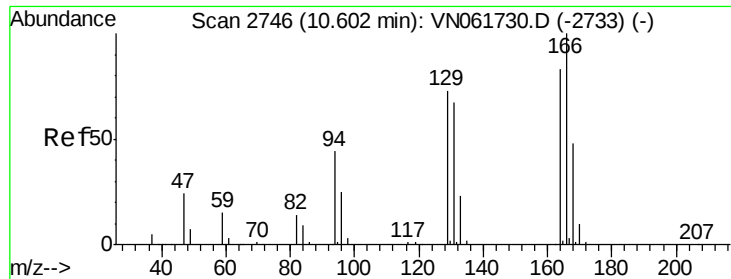
Tgt Ion: 43 Resp: 240491
Ion Ratio Lower Upper
43 100
58 63.0 50.4 75.6
57 21.5 17.2 25.8



#60
4-Bromofluorobenzene
Concen: 26.14 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 95 Resp: 157109
Ion Ratio Lower Upper
95 100
174 91.0 72.8 109.2
176 86.5 69.2 103.8





#61

Tetrachloroethene

Concen: 22.12 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 103240

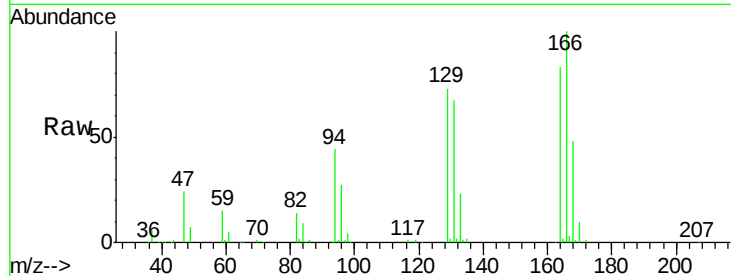
Ion Ratio Lower Upper

164 100

166 120.7 96.6 144.8

129 87.6 70.1 105.1

131 80.7 64.6 96.8

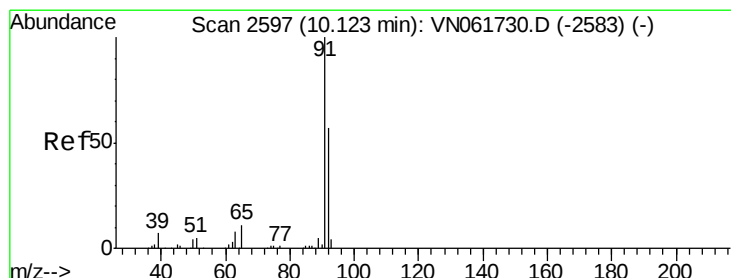
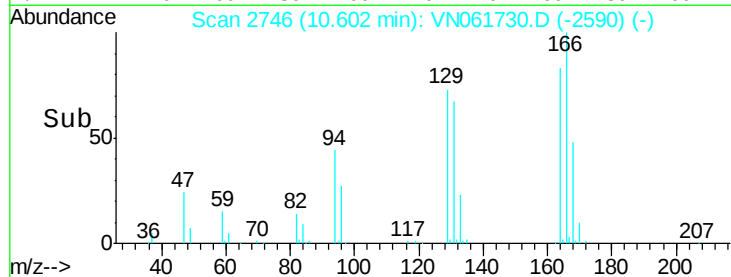
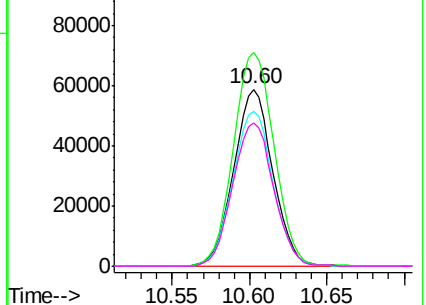


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 16.71 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061730.D

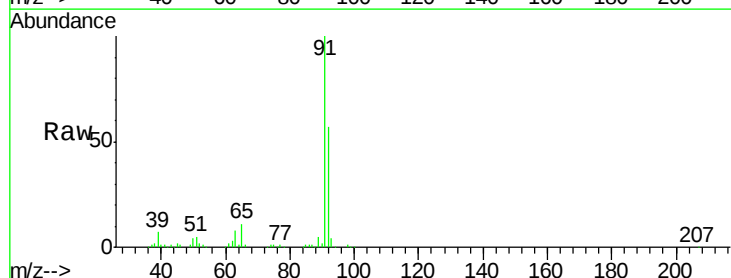
Acq: 10 Jun 2020 10:54

Tgt Ion: 91 Resp: 338149

Ion Ratio Lower Upper

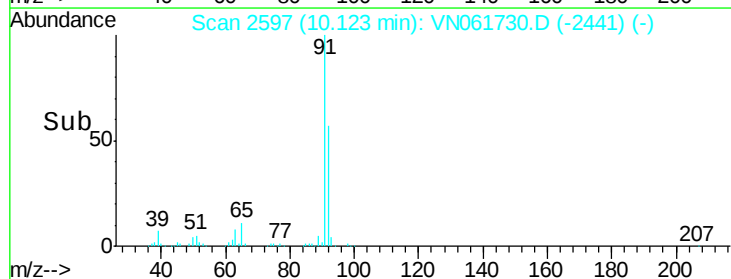
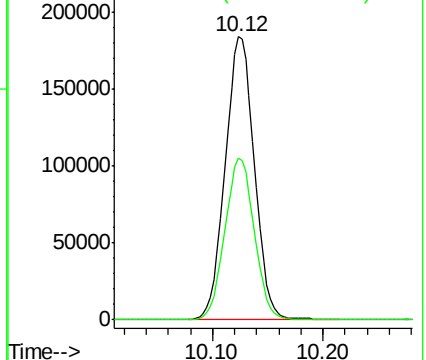
91 100

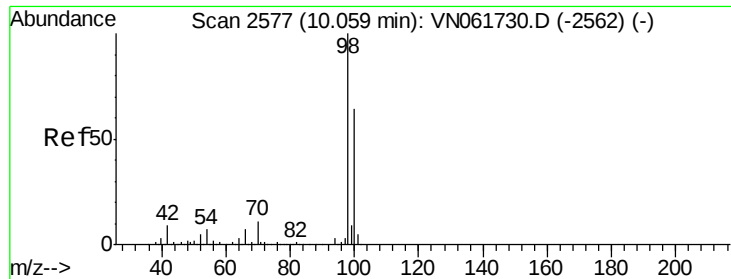
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.37 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

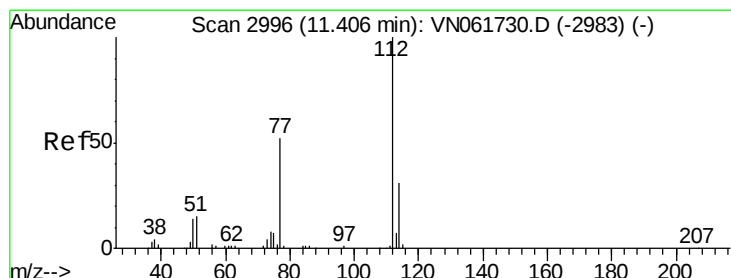
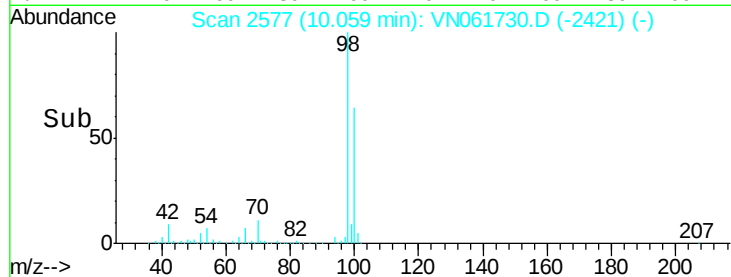
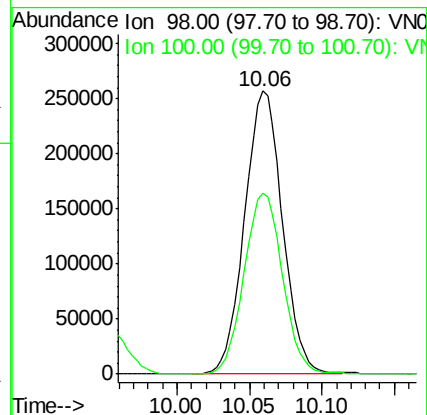
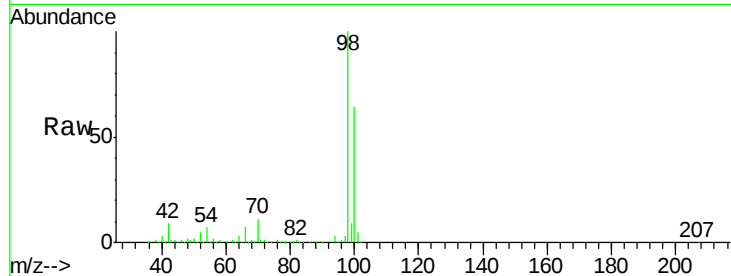
VSTDICCC020

Tgt Ion: 98 Resp: 466988

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#64

Chlorobenzene

Concen: 17.56 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061730.D

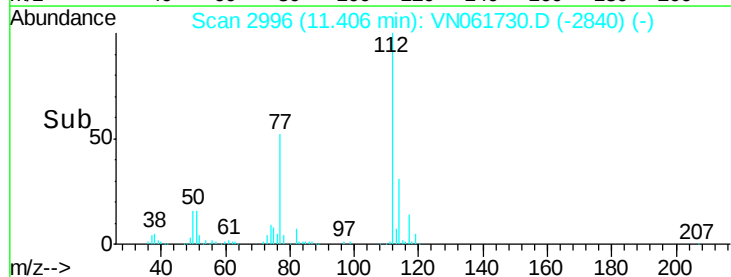
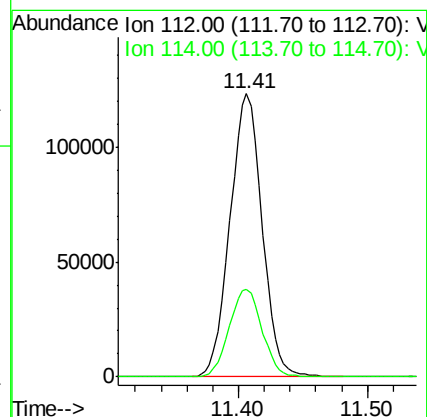
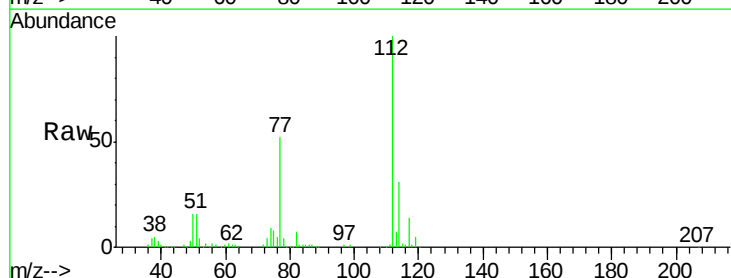
Acq: 10 Jun 2020 10:54

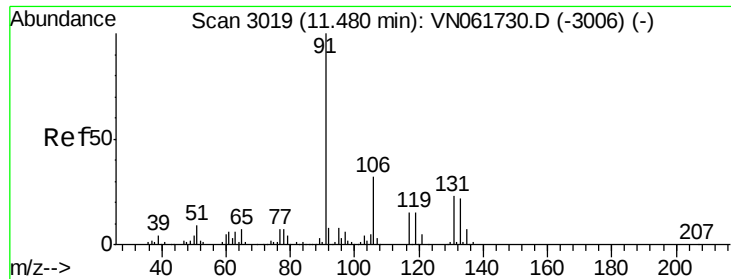
Tgt Ion: 112 Resp: 212959

Ion Ratio Lower Upper

112 100

114 31.1 24.9 37.3

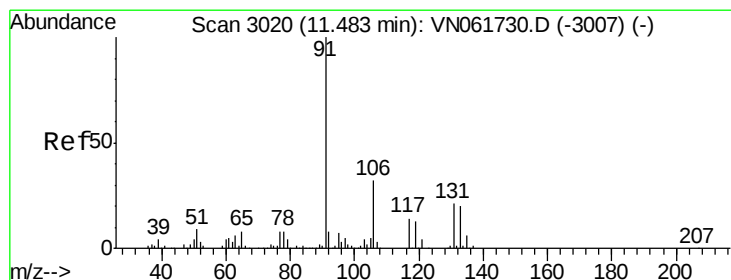
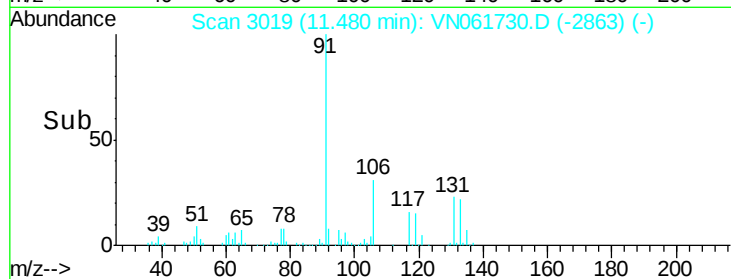
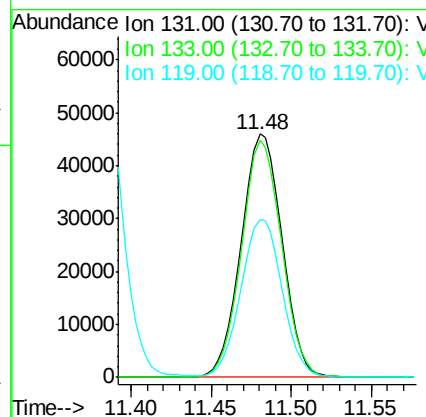
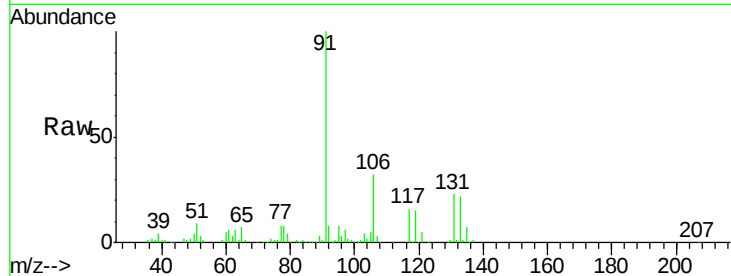




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.06 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

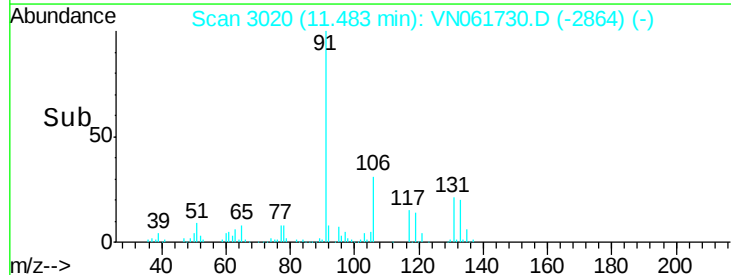
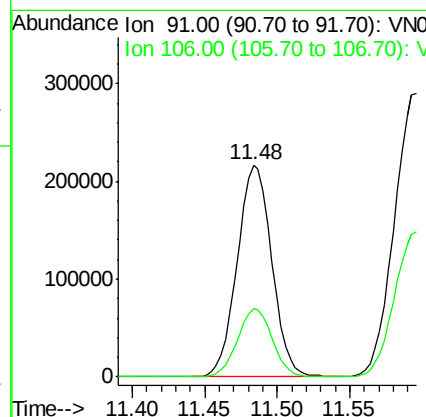
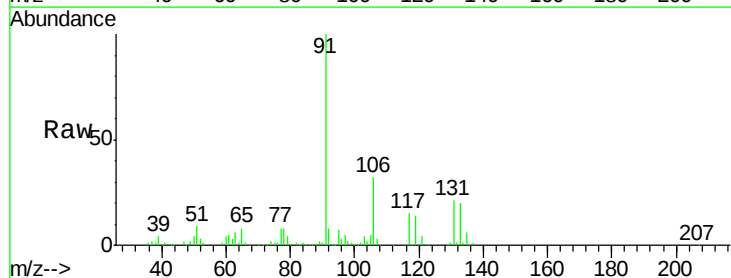
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

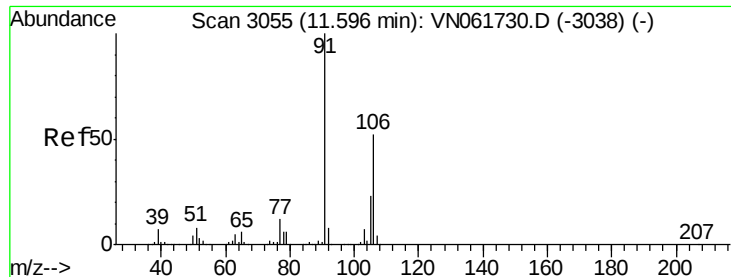
Tgt Ion:131 Resp: 80470
 Ion Ratio Lower Upper
 131 100
 133 94.7 0.0 189.4
 119 65.4 0.0 130.8



#66
 Ethyl Benzene
 Concen: 15.61 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 91 Resp: 358678
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5





#67

m/p-Xylenes

Concen: 33.30 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

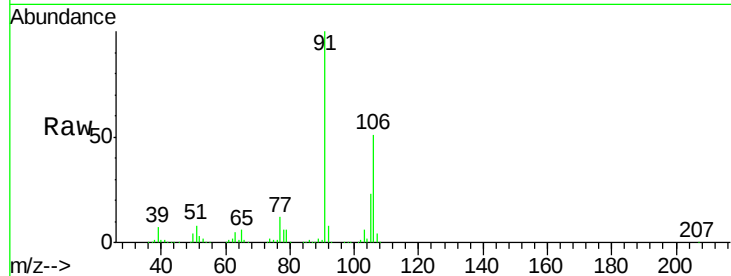
VSTDICCC020

Tgt Ion:106 Resp: 286508

Ion Ratio Lower Upper

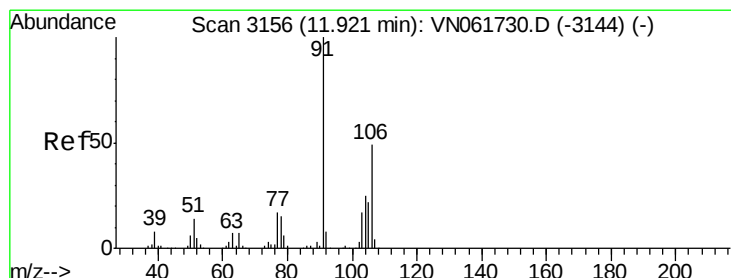
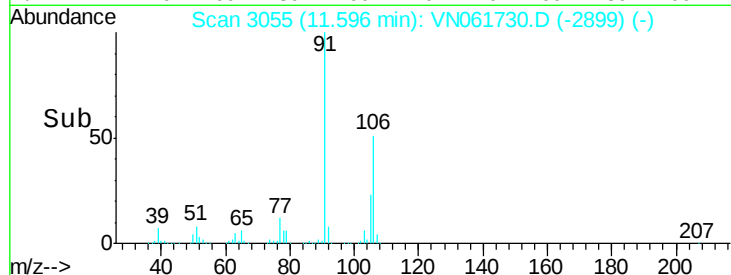
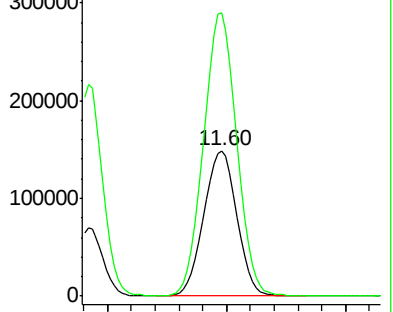
106 100

91 195.3 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 16.64 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061730.D

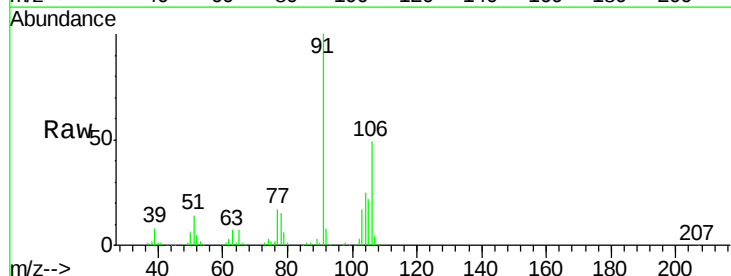
Acq: 10 Jun 2020 10:54

Tgt Ion:106 Resp: 136176

Ion Ratio Lower Upper

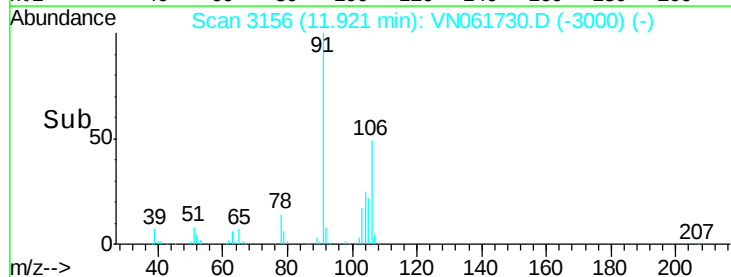
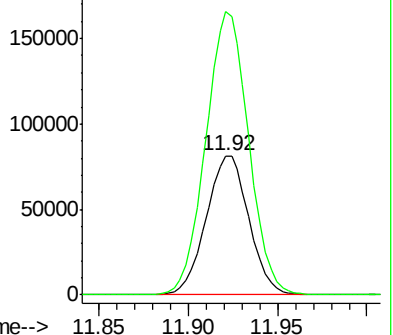
106 100

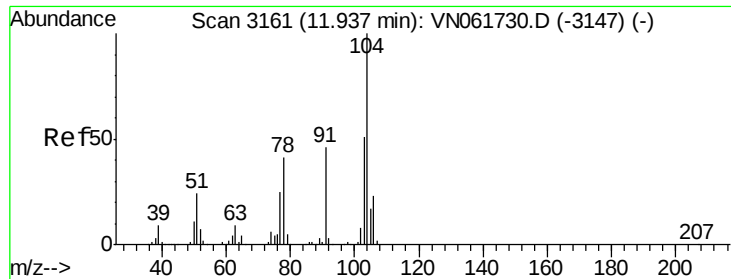
91 203.8 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

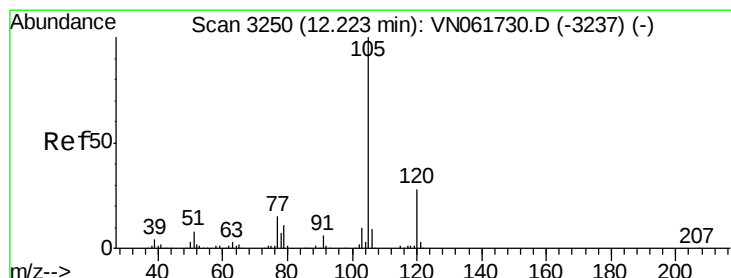
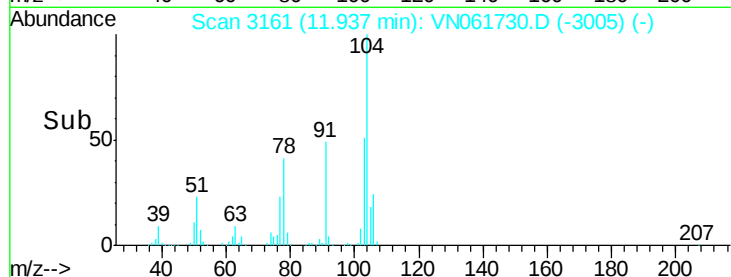
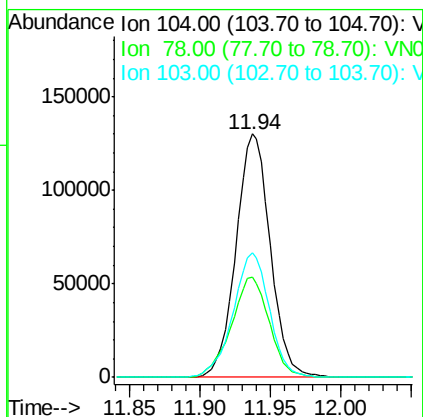
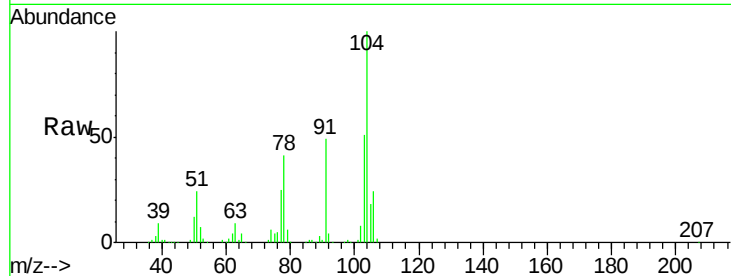




#69
Styrene
Concen: 15.81 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

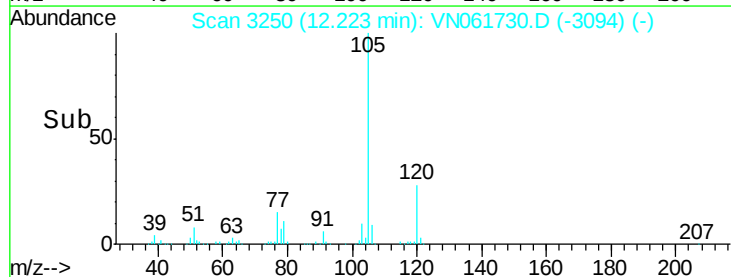
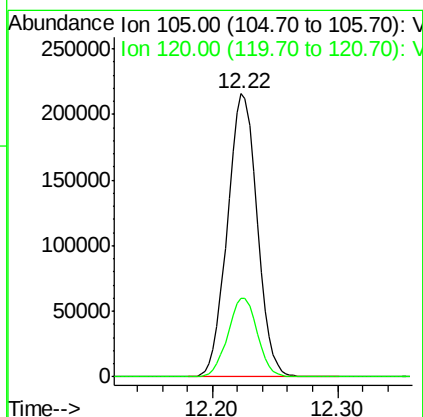
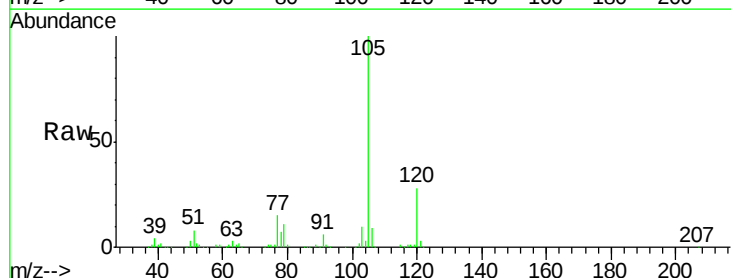
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

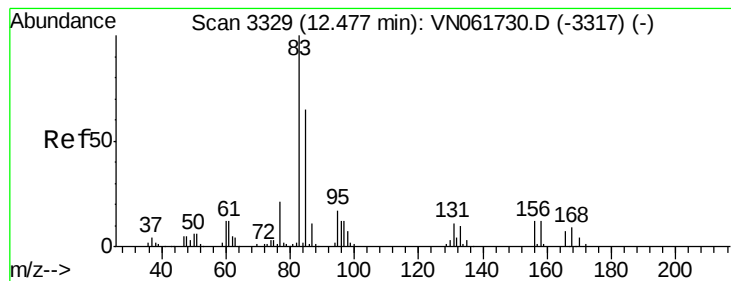
Tgt Ion:104 Resp: 222095
Ion Ratio Lower Upper
104 100
78 45.6 36.5 54.7
103 54.3 43.4 65.2



#70
Isopropylbenzene
Concen: 16.09 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion:105 Resp: 355733
Ion Ratio Lower Upper
105 100
120 27.5 19.3 35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 15.66 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

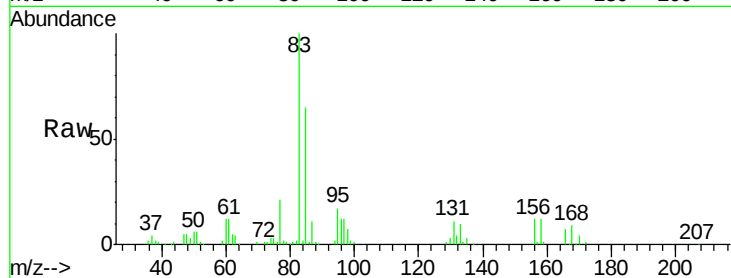
Tgt Ion: 83 Resp: 94516

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

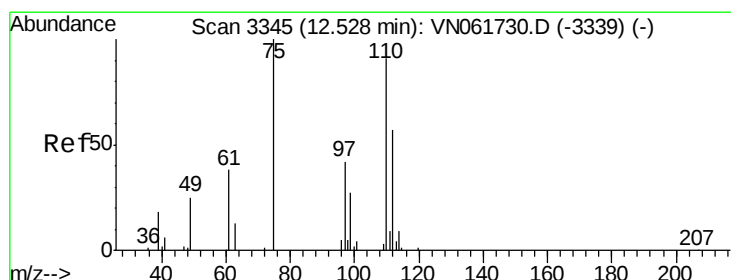
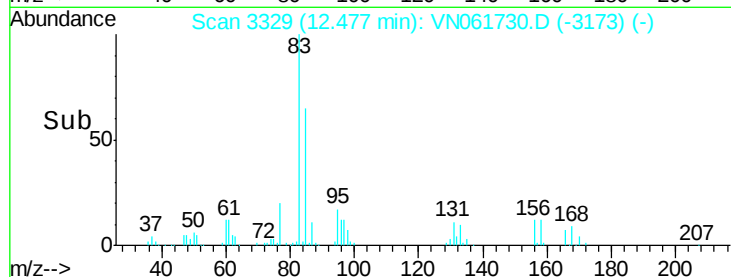
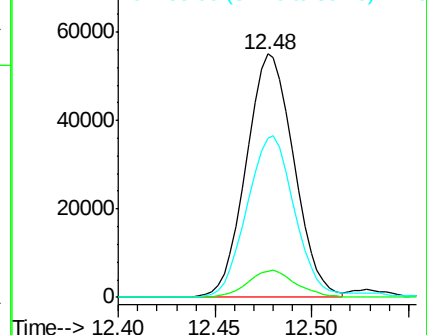
85 65.9 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VN061730.D (-3317) (-)

Ion 131.00 (130.70 to 131.70): VN061730.D (-3317) (-)

Ion 85.00 (84.70 to 85.70): VN061730.D (-3317) (-)



#72

1,2,3-Trichloropropane

Concen: 21.31 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061730.D

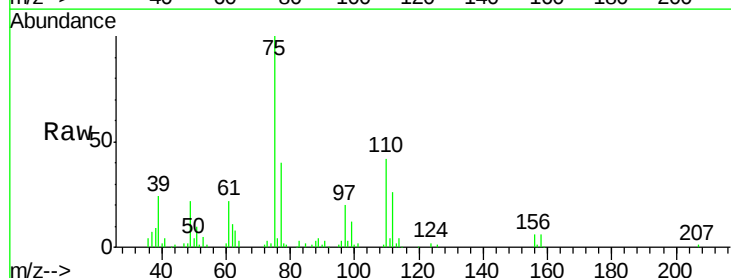
Acq: 10 Jun 2020 10:54

Tgt Ion: 75 Resp: 121505

Ion Ratio Lower Upper

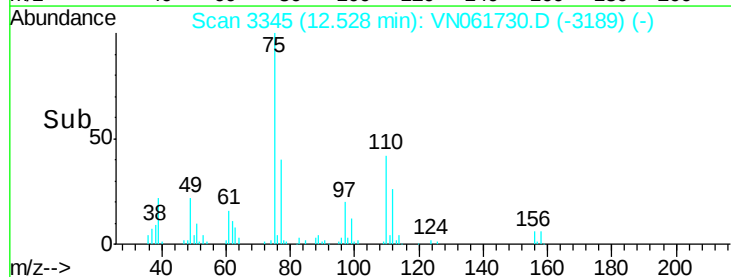
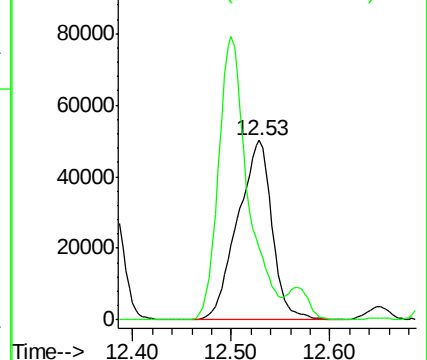
75 100

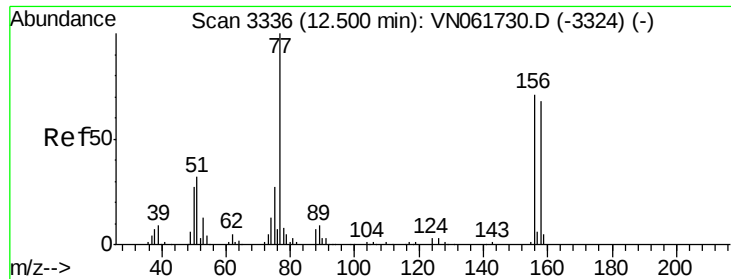
77 136.1 0.0 371.8



Abundance Ion 75.00 (74.70 to 75.70): VN061730.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN061730.D (-3339) (-)





#73

Bromobenzene

Concen: 19.62 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

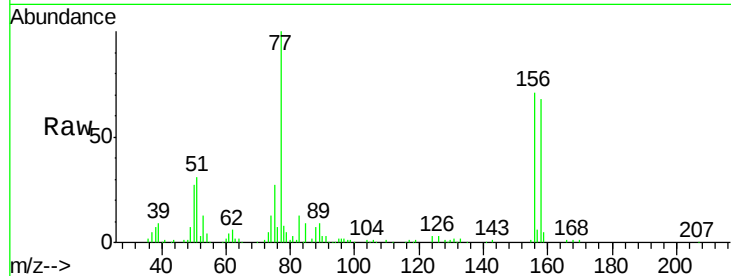
Tgt Ion:156 Resp: 94491

Ion Ratio Lower Upper

156 100

77 175.0 0.0 350.0

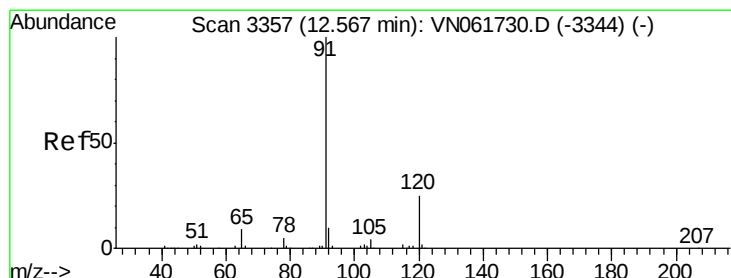
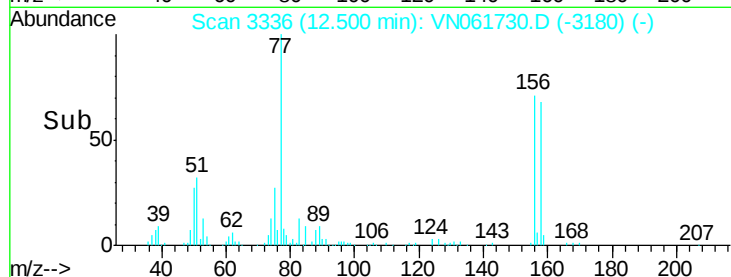
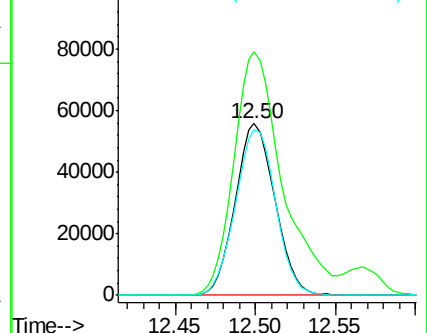
158 97.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 15.47 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061730.D

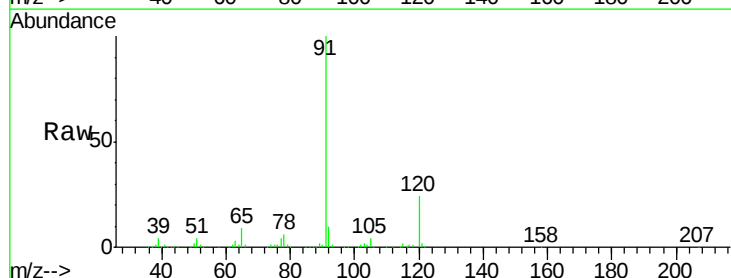
Acq: 10 Jun 2020 10:54

Tgt Ion: 91 Resp: 403680

Ion Ratio Lower Upper

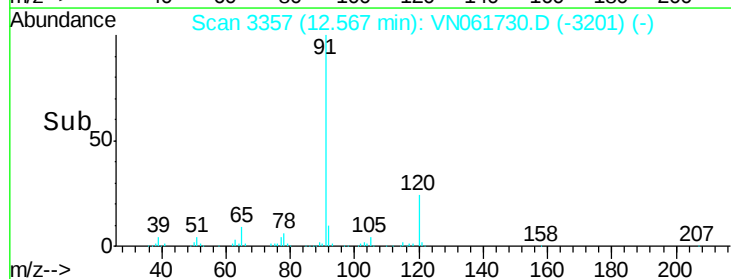
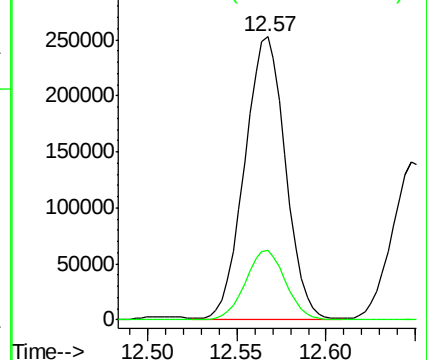
91 100

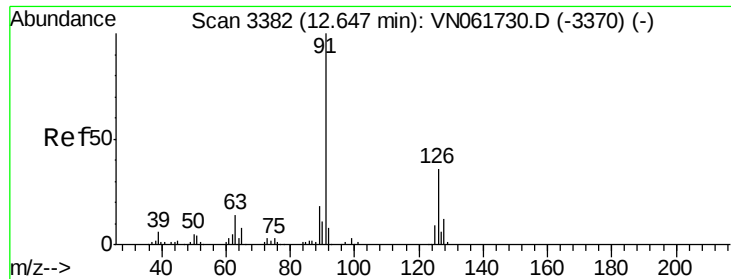
120 24.2 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 15.64 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

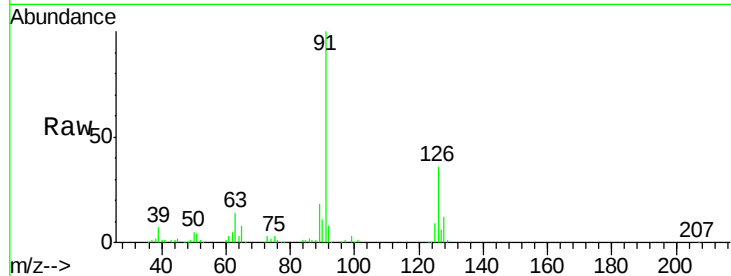
VSTDICCC020

Tgt Ion: 91 Resp: 234059

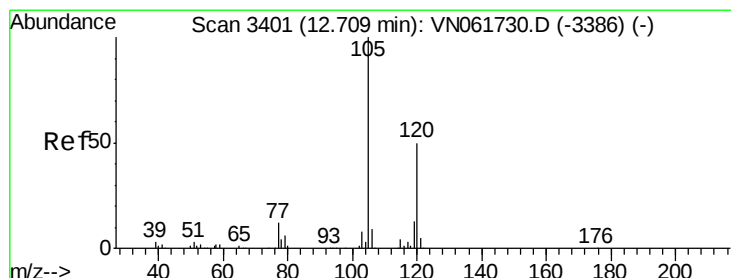
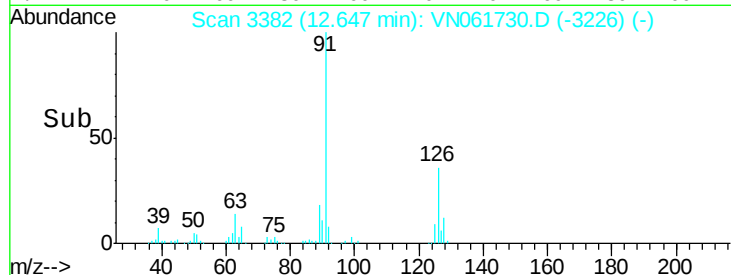
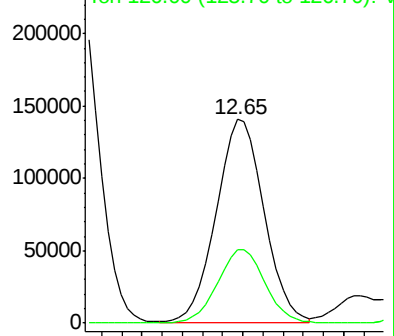
Ion Ratio Lower Upper

91 100

126 36.0 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 15.94 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061730.D

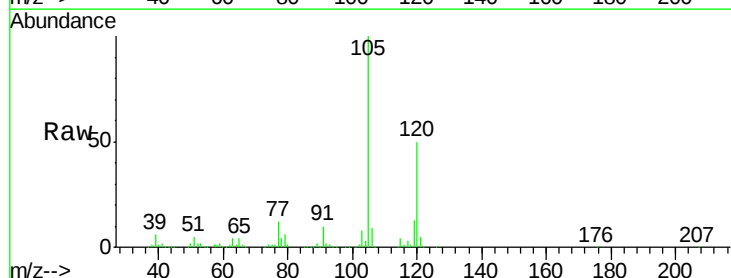
Acq: 10 Jun 2020 10:54

Tgt Ion: 105 Resp: 295259

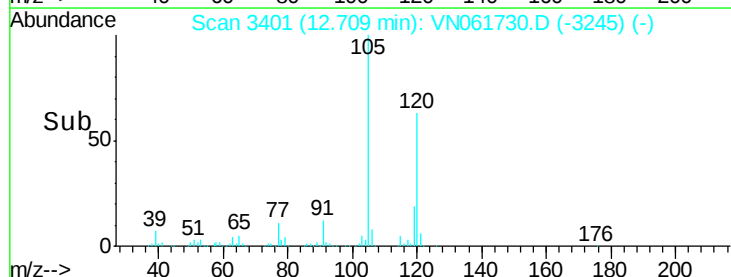
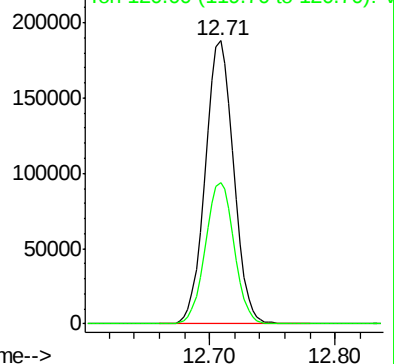
Ion Ratio Lower Upper

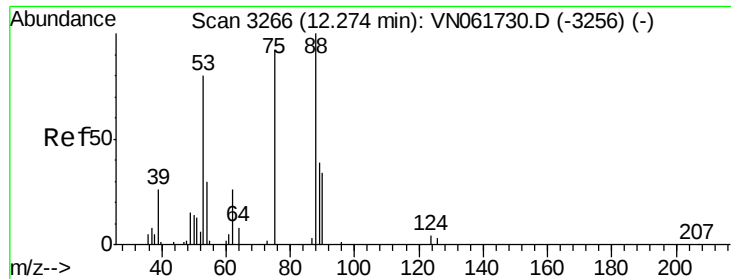
105 100

120 50.8 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061730.D (-3386) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 13.33 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

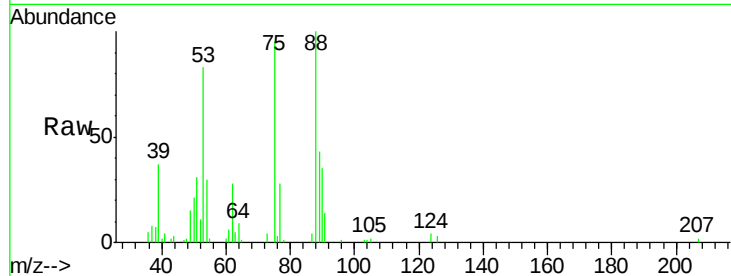
Tgt Ion: 75 Resp: 31397

Ion Ratio Lower Upper

75 100

53 87.6 43.8 131.4

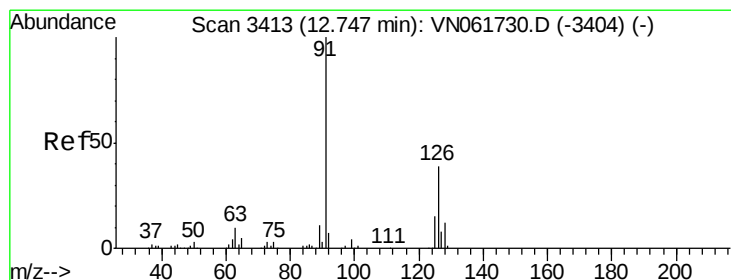
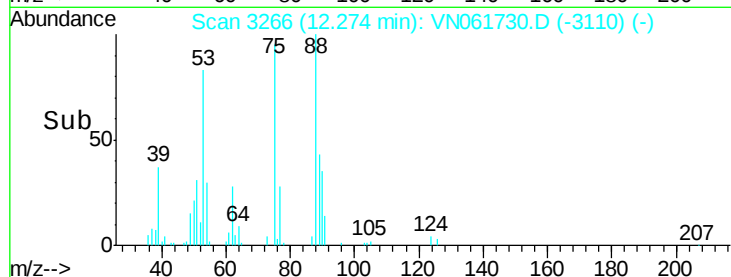
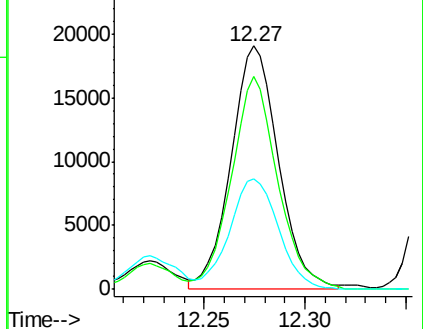
89 46.1 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN061730.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061730.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN061730.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 15.53 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061730.D

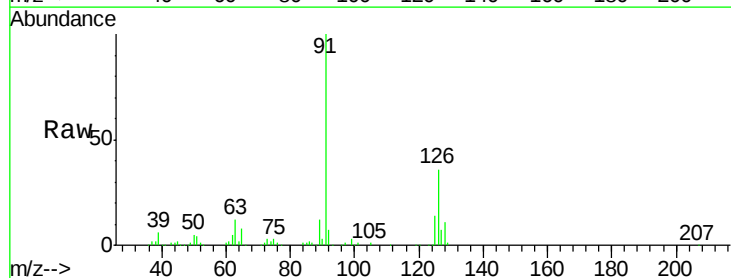
Acq: 10 Jun 2020 10:54

Tgt Ion: 91 Resp: 243914

Ion Ratio Lower Upper

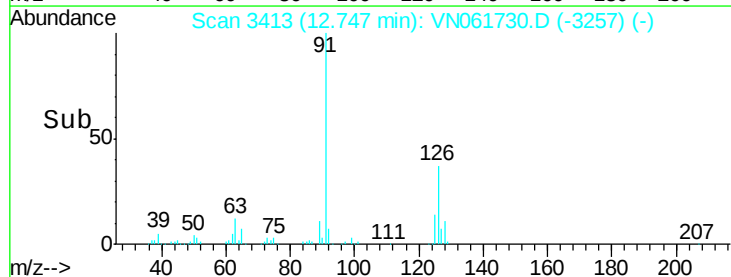
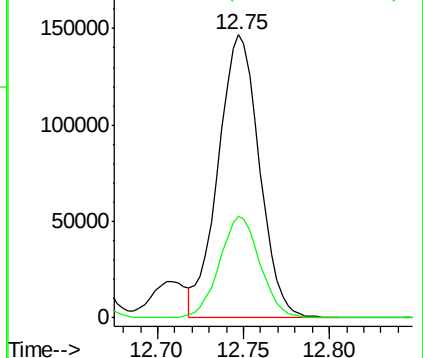
91 100

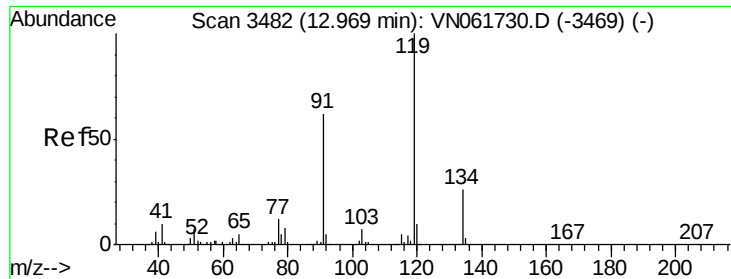
126 35.2 0.0 70.4



Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN061730.D (-3404) (-)

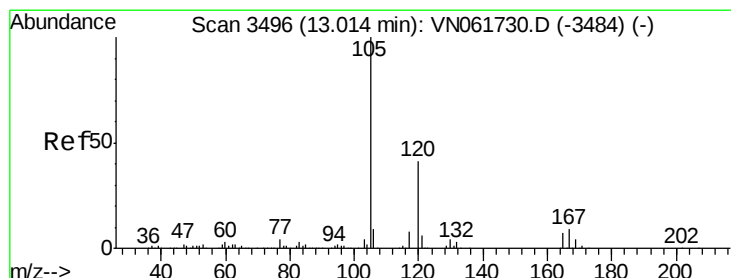
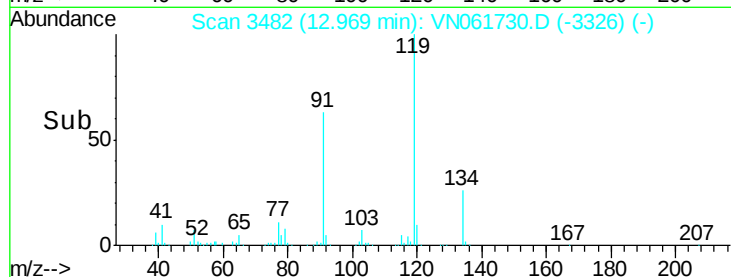
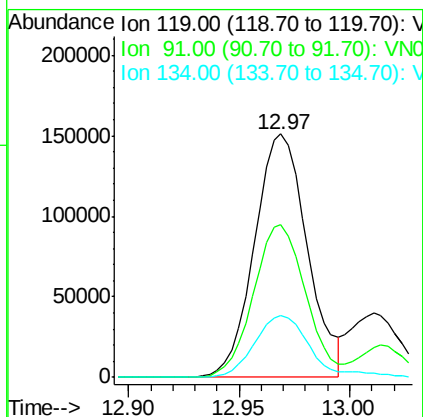
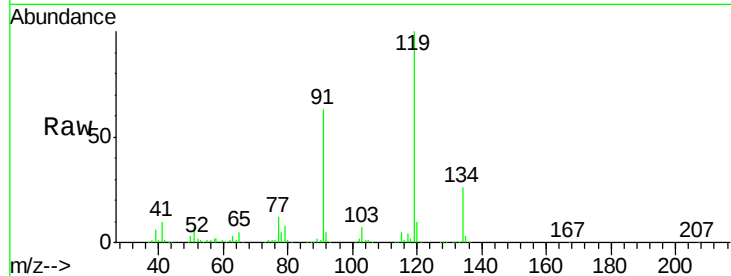




#79
tert-butylbenzene
Concen: 16.25 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

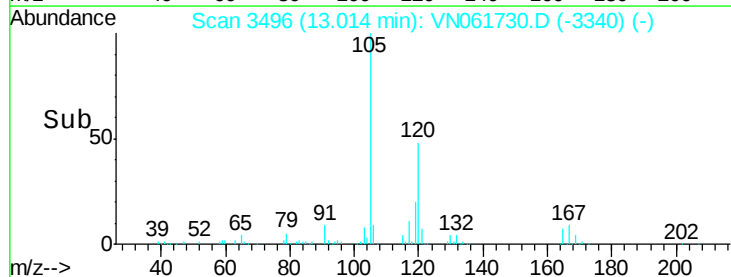
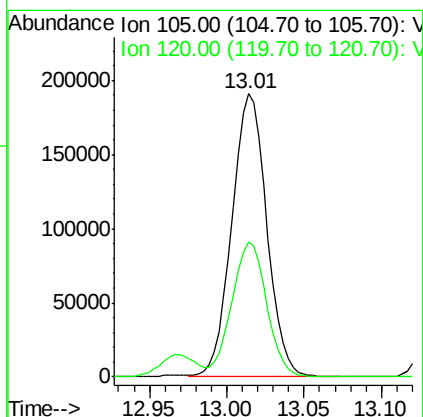
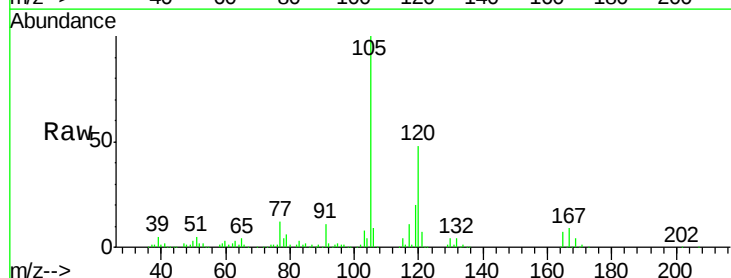
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

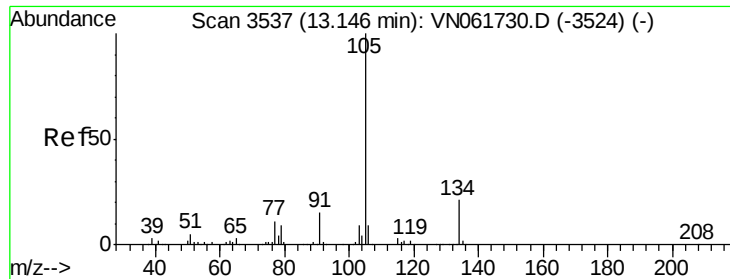
Tgt Ion:119 Resp: 250683
Ion Ratio Lower Upper
119 100
91 62.3 0.0 124.6
134 25.7 0.0 51.4



#80
1,2,4-Trimethylbenzene
Concen: 16.05 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion:105 Resp: 298069
Ion Ratio Lower Upper
105 100
120 47.7 0.0 95.4





#81

sec-Butylbenzene

Concen: 15.70 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

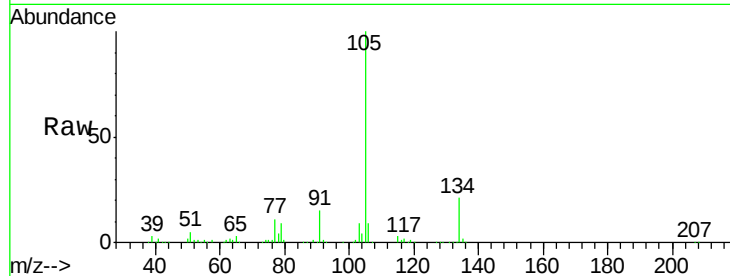
VSTDICCC020

Tgt Ion:105 Resp: 331420

Ion Ratio Lower Upper

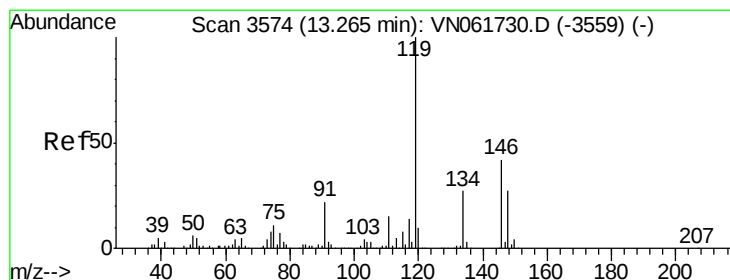
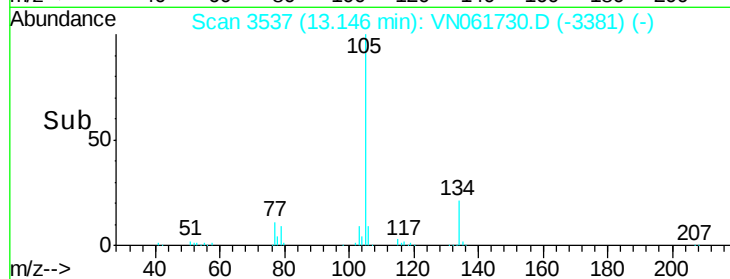
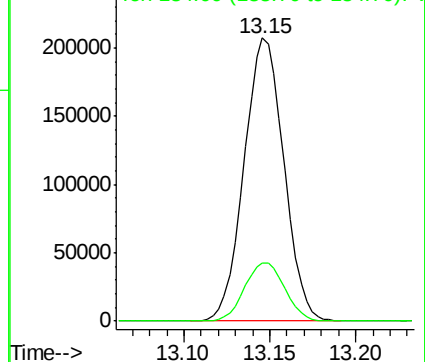
105 100

134 20.9 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 15.89 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

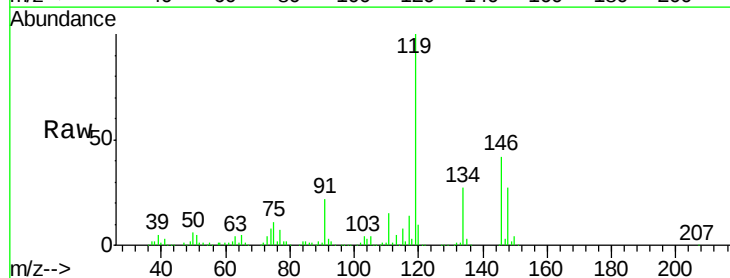
Tgt Ion:119 Resp: 303396

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

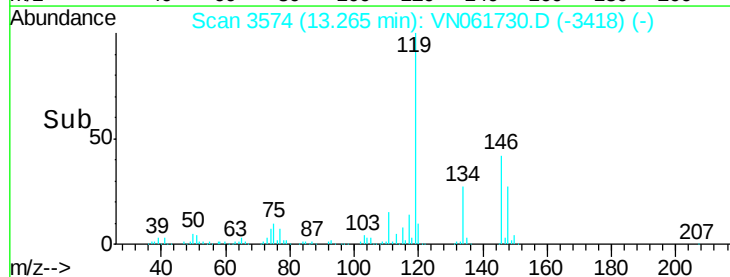
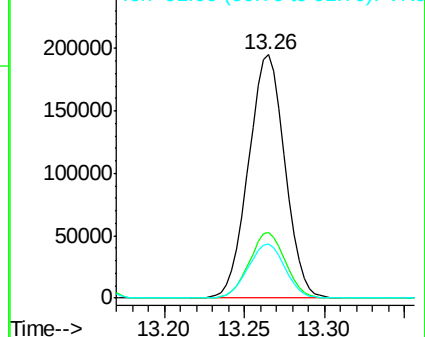
91 22.6 0.0 45.2

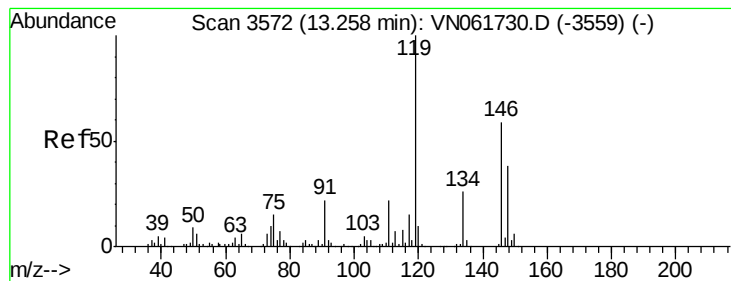


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.91 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

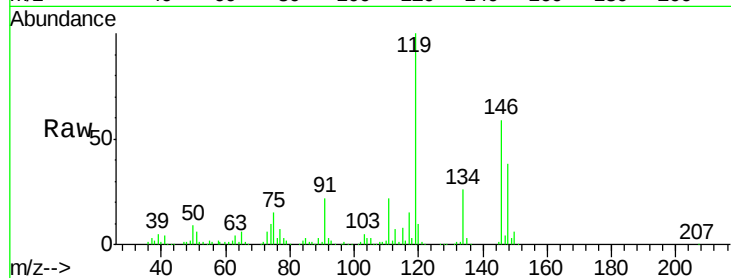
Tgt Ion:146 Resp: 168248

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

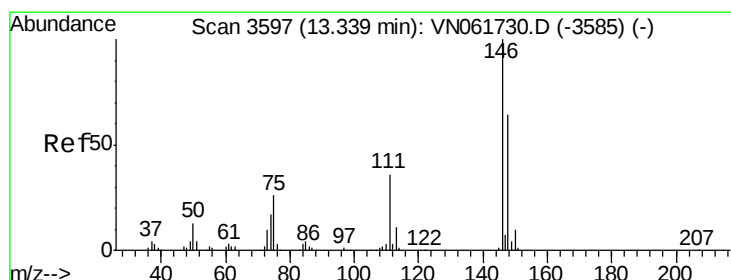
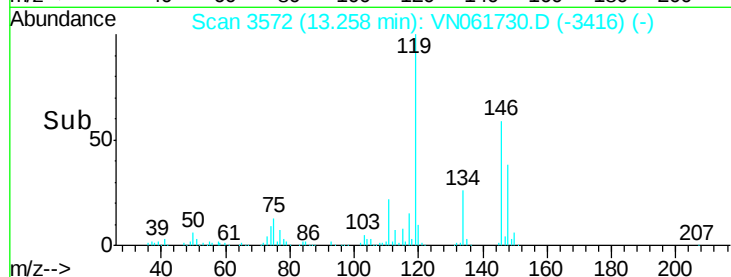
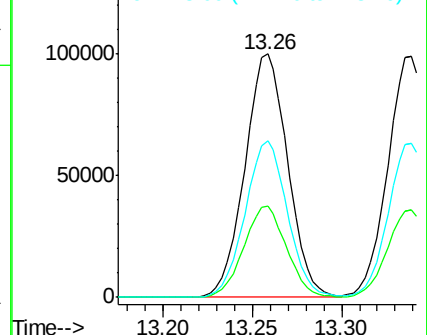
148 63.7 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.72 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

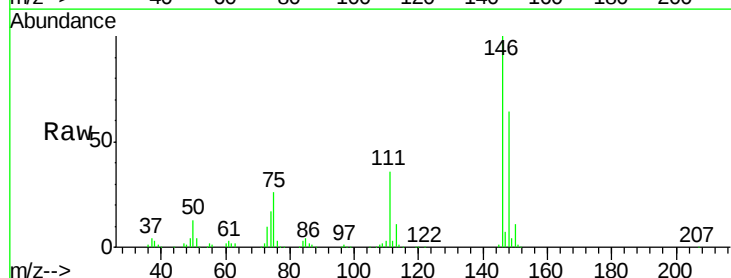
Tgt Ion:146 Resp: 163941

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

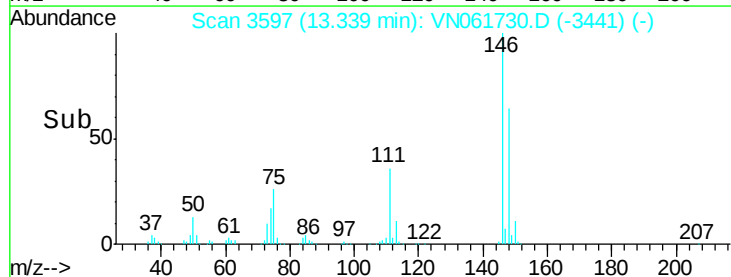
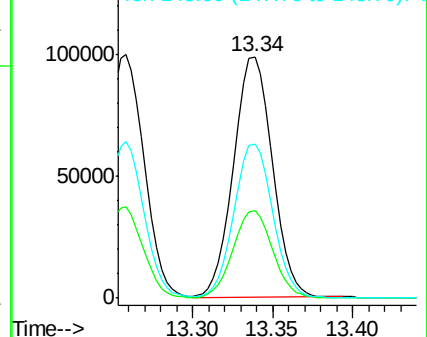
148 64.4 32.2 96.6

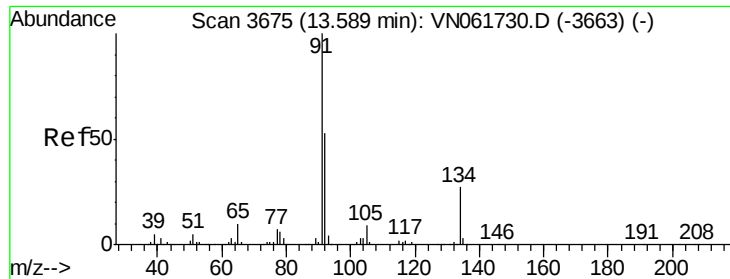


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

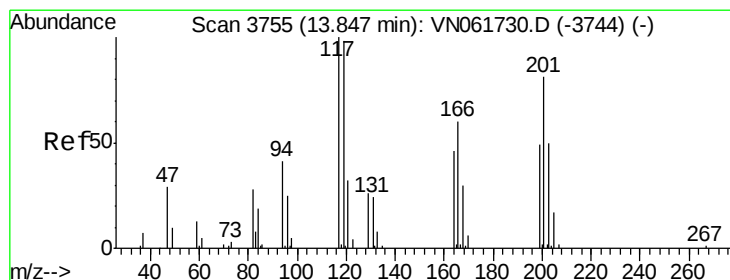
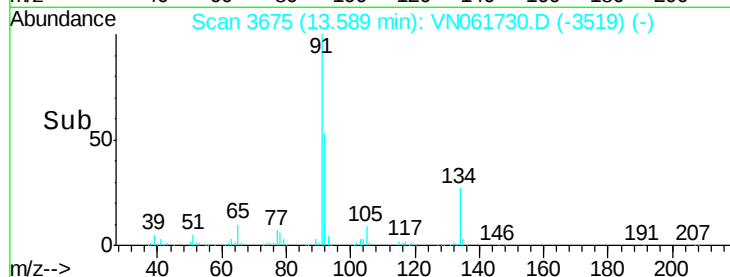
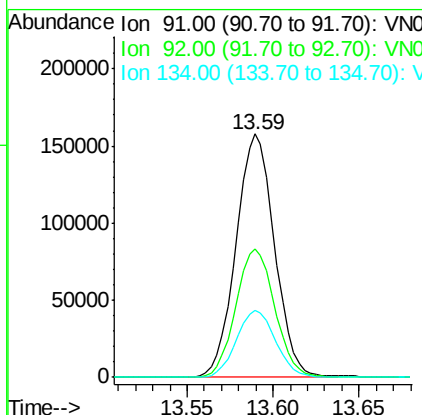
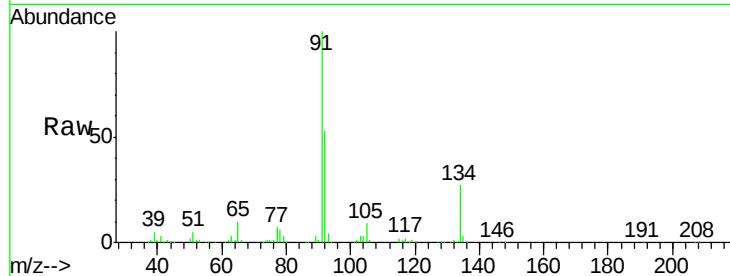




#85
n-Butylbenzene
Concen: 14.18 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

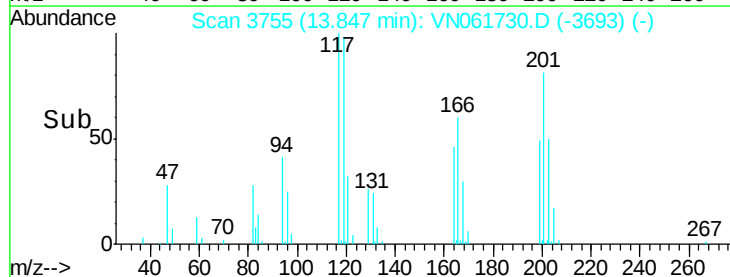
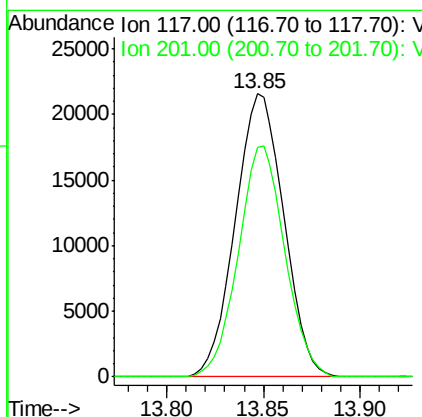
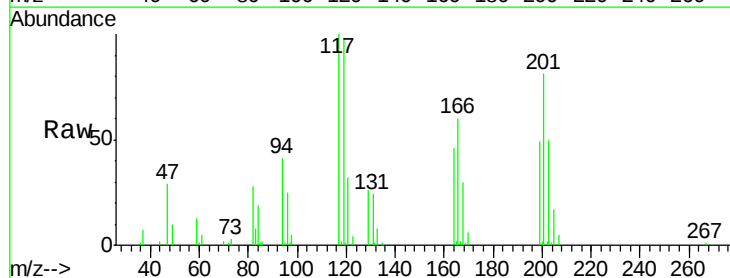
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

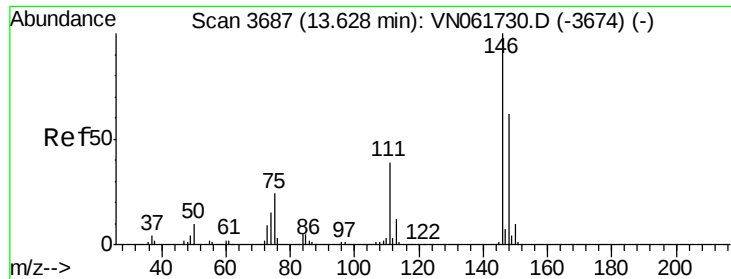
Tgt Ion: 91 Resp: 245878
Ion Ratio Lower Upper
91 100
92 53.6 0.0 107.2
134 27.9 0.0 55.8



#86
Hexachloroethane
Concen: 14.25 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN061730.D
Acq: 10 Jun 2020 10:54

Tgt Ion: 117 Resp: 37552
Ion Ratio Lower Upper
117 100
201 78.3 39.1 117.5

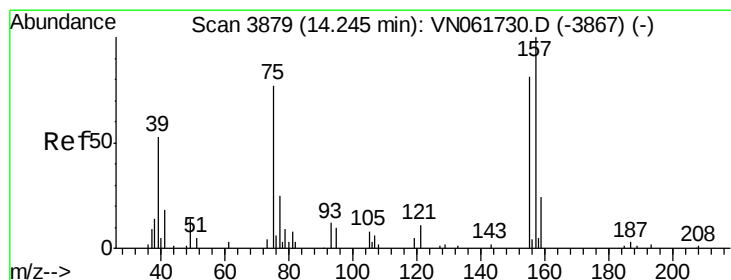
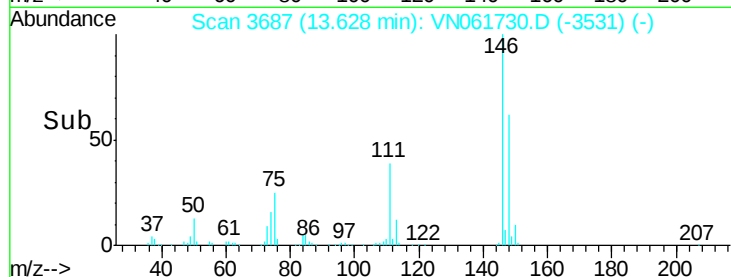
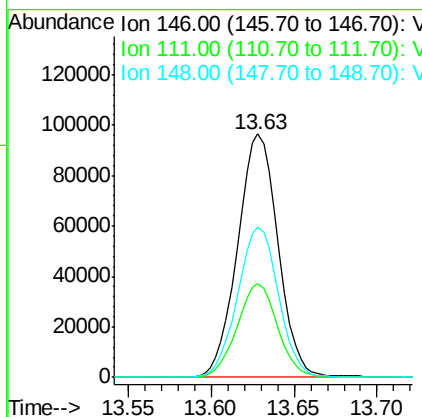
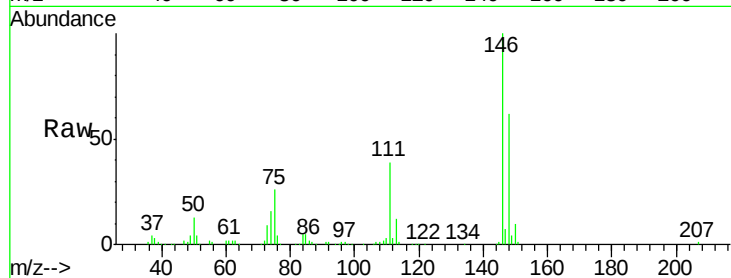




#87
 1,2-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

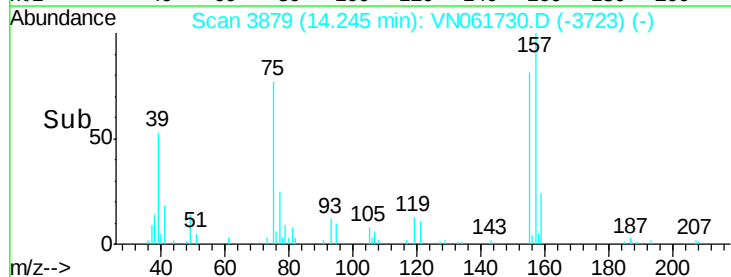
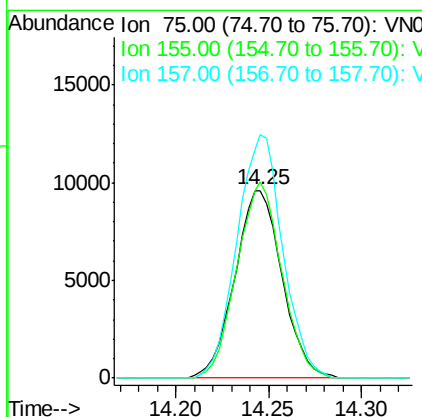
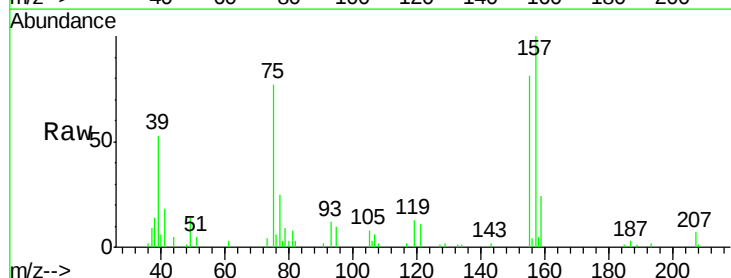
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

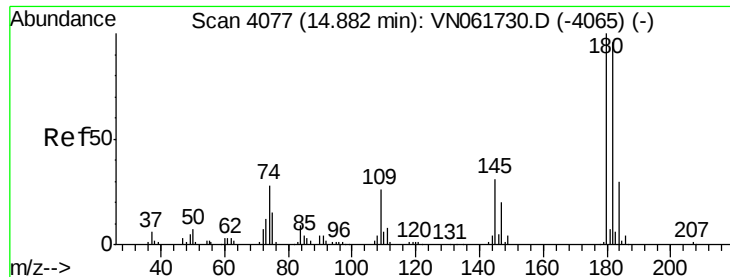
Tgt Ion: 146 Resp: 163442
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 62.7 31.4 94.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.63 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion: 75 Resp: 17020
 Ion Ratio Lower Upper
 75 100
 155 99.5 79.6 119.4
 157 126.0 100.8 151.2

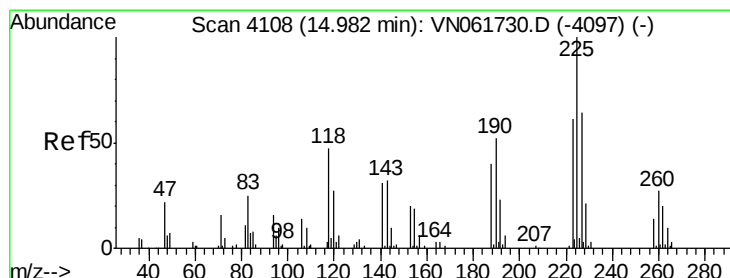
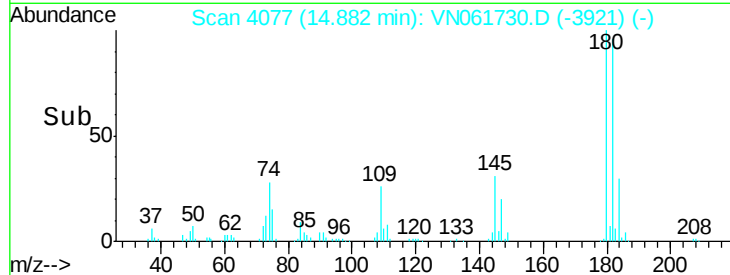
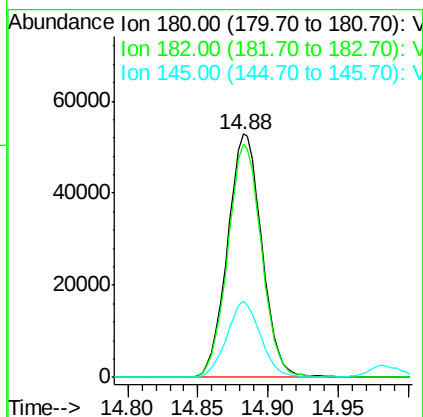
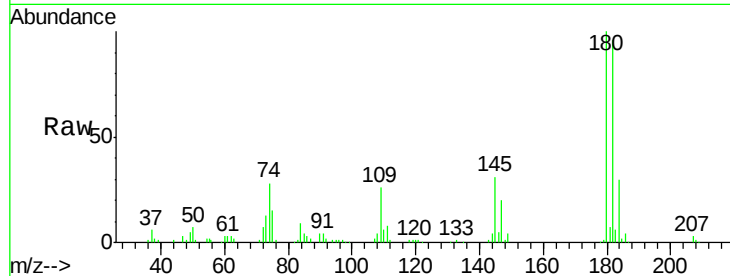




#89
 1,2,4-Trichlorobenzene
 Concen: 18.67 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

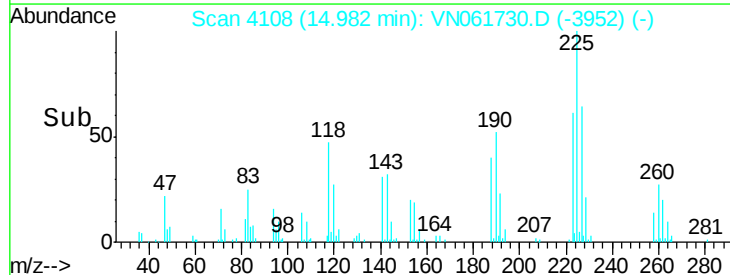
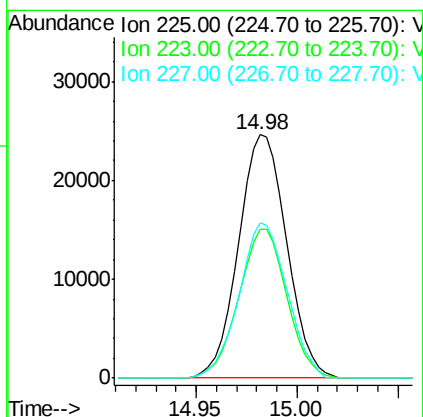
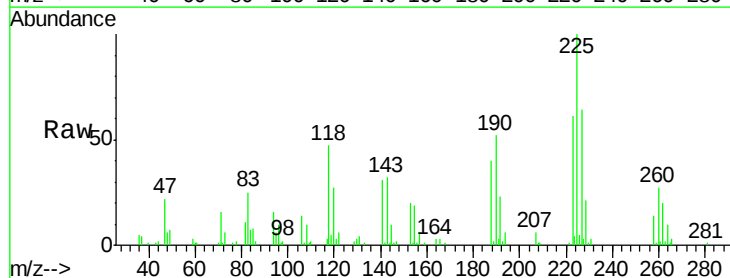
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

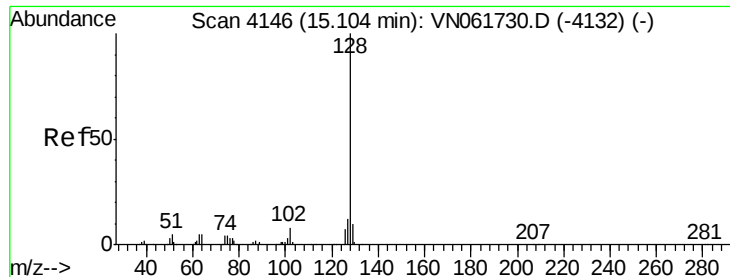
Tgt Ion:180 Resp: 89647
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 145 30.6 24.5 36.7



#90
 Hexachlorobutadiene
 Concen: 20.50 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061730.D
 Acq: 10 Jun 2020 10:54

Tgt Ion:225 Resp: 41221
 Ion Ratio Lower Upper
 225 100
 223 60.8 0.0 121.6
 227 63.4 0.0 126.8





#91

Naphthalene

Concen: 16.61 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

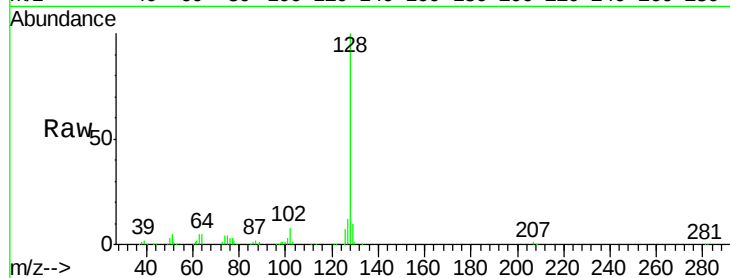
Tgt Ion:128 Resp: 245692

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

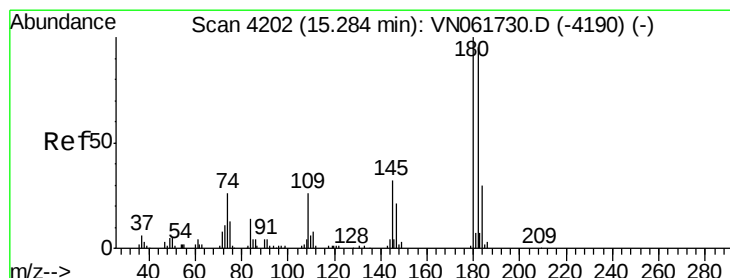
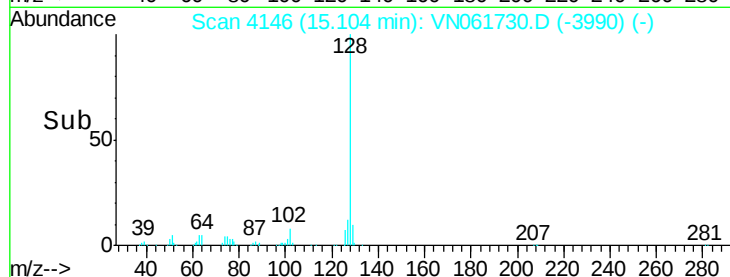
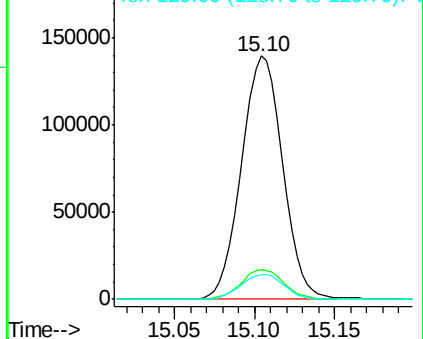
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 19.18 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061730.D

Acq: 10 Jun 2020 10:54

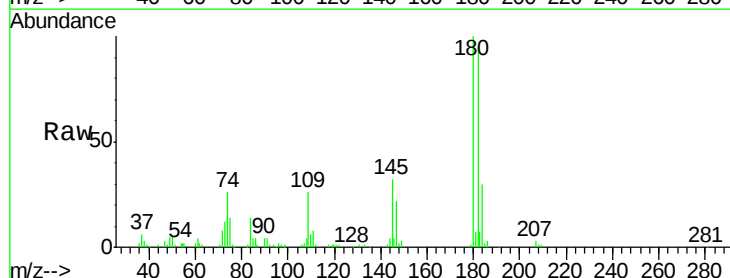
Tgt Ion:180 Resp: 90162

Ion Ratio Lower Upper

180 100

182 95.5 0.0 191.0

145 32.3 0.0 64.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

