

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
 Data File : VN062401.D
 Acq On : 8 Jul 2020 11:26
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 08 11:48:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	149298	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.55	113	105681	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.06	98	415484	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.38	95	151111	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	102026	46.988	ug/l	100
3) Chloromethane	2.04	50	156736	47.963	ug/l	100
4) Vinyl Chloride	2.16	62	131926	47.467	ug/l	100
5) Bromomethane	2.52	94	70179	48.849	ug/l	100
6) Chloroethane	2.66	64	78121	48.213	ug/l	100
7) Trichlorofluoromethane	2.98	101	167205	44.416	ug/l	100
8) Diethyl Ether	3.37	74	76009	50.674	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	100500	46.896	ug/l	100
10) Methyl Iodide	3.91	142	137151	52.734	ug/l	100
11) Tert butyl alcohol	4.74	59	123378	255.356	ug/l	100
12) 1,1-Dichloroethene	3.70	96	101960	50.754	ug/l	100
13) Acrolein	3.57	56	88070	354.803	ug/l	100
14) Allyl chloride	4.28	41	242003	49.926	ug/l	100
15) Acrylonitrile	4.93	53	348266	271.103	ug/l	100
16) Acetone	3.78	43	308280	196.726	ug/l	100
17) Carbon Disulfide	4.01	76	311405	48.924	ug/l	100
18) Methyl Acetate	4.28	43	157876	44.902	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	388411	50.947	ug/l	100
20) Methylene Chloride	4.50	84	127991	44.457	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	113118	50.924	ug/l	100
22) Diisopropyl ether	5.90	45	484486	50.126	ug/l	100
23) Vinyl Acetate	5.84	43	2055616	273.835	ug/l	100
24) 1,1-Dichloroethane	5.80	63	246216	50.942	ug/l	100
25) 2-Butanone	6.79	43	486417	242.240	ug/l	100
26) 2,2-Dichloropropane	6.78	77	184485	46.967	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	129890	51.210	ug/l	100
28) Bromochloromethane	7.15	49	130490	49.137	ug/l	100
29) Tetrahydrofuran	7.17	42	326951	255.065	ug/l	100
30) Chloroform	7.33	83	224032	47.997	ug/l	100
31) Cyclohexane	7.61	56	221817	49.518	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	185840	47.570	ug/l	100
36) 1,1-Dichloropropene	7.75	75	175686	50.602	ug/l	100
37) Ethyl Acetate	6.88	43	201573	49.884	ug/l	100
38) Carbon Tetrachloride	7.73	117	158134	46.152	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	191870	51.341	ug/l	100
40) Benzene	8.00	78	514215	52.065	ug/l	100
41) Methacrylonitrile	7.13	41	90469	44.951	ug/l	100
42) 1,2-Dichloroethane	8.08	62	189858	44.758	ug/l	100
43) Isopropyl Acetate	8.13	43	329568	48.827	ug/l	100
44) Trichloroethene	8.80	130	113823	48.559	ug/l	100
45) 1,2-Dichloropropane	9.08	63	149862	51.741	ug/l	100
46) Dibromomethane	9.17	93	84541	47.822	ug/l	100
47) Bromodichloromethane	9.37	83	183414	48.636	ug/l	100
48) Methyl methacrylate	9.17	41	160582	46.809	ug/l	100
49) 1,4-Dioxane	9.17	88	46338	983.059	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1007176	276.688	ug/l	100
52) Toluene	10.13	92	299615	51.185	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	208339	51.311	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	226425	51.811	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	120318	50.993	ug/l	100
56) Ethyl methacrylate	10.40	69	209334	54.963	ug/l	100
57) 1,3-Dichloropropane	10.68	76	220138	50.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	357195	265.002	ug/l	100
59) 2-Hexanone	10.72	43	734887	268.867	ug/l	100
60) Dibromochloromethane	10.87	129	130450	49.075	ug/l	100
61) 1,2-Dibromoethane	10.98	107	120369	49.929	ug/l	100
64) Tetrachloroethene	10.60	164	91962	47.335	ug/l	100
65) Chlorobenzene	11.41	112	310855	50.080	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	116215	49.904	ug/l	100
67) Ethyl Benzene	11.48	91	591996	53.907	ug/l	100
68) m/p-Xylenes	11.60	106	421028	104.864	ug/l	100
69) o-Xylene	11.92	106	202892	51.230	ug/l	100
70) Styrene	11.94	104	350422	53.538	ug/l	100
71) Bromoform	12.10	173	89017	49.001	ug/l #	100
73) Isopropylbenzene	12.22	105	546877	53.011	ug/l	100
74) N-amyl acetate	12.04	43	288368	52.766	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	184500	51.053	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	244577	73.592	ug/l #	100
77) Bromobenzene	12.50	156	123925	50.977	ug/l	100
78) n-propylbenzene	12.57	91	657435	55.826	ug/l	100
79) 2-Chlorotoluene	12.65	91	390045	52.125	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	458343	53.048	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	65507	54.817	ug/l	100
82) 4-Chlorotoluene	12.75	91	401019	52.494	ug/l	100
83) tert-Butylbenzene	12.97	119	386387	52.464	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	455119	53.218	ug/l	100
85) sec-Butylbenzene	13.15	105	516932	54.978	ug/l	100
86) p-Isopropyltoluene	13.26	119	455815	53.838	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	221530	50.865	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	222852	49.533	ug/l	100
89) n-Butylbenzene	13.59	91	395092	54.137	ug/l	100
90) Hexachloroethane	13.85	117	87273	48.628	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	215252	51.578	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	35254	50.487	ug/l	100

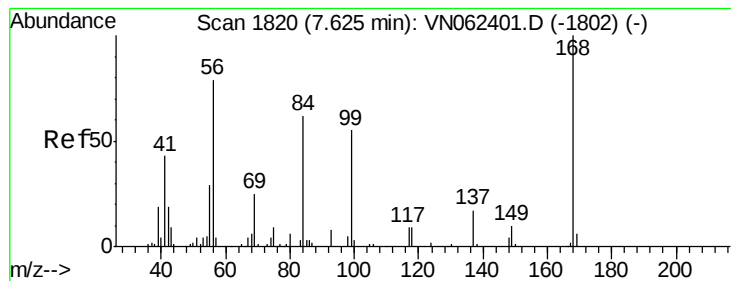
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	106816	54.676	ug/l	100
94) Hexachlorobutadiene	14.98	225	56261	46.022	ug/l	100
95) Naphthalene	15.10	128	291707	56.335	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	105931	52.848	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

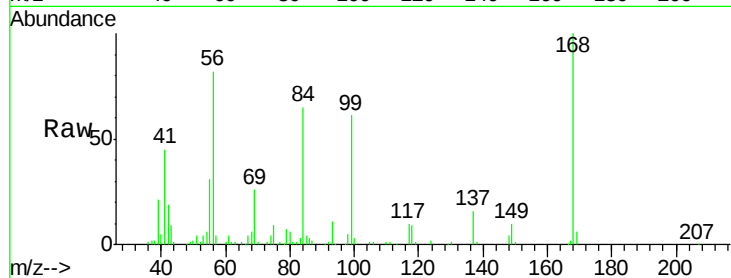
VSTDICCC050

Tgt Ion:168 Resp: 193582

Ion Ratio Lower Upper

168 100

99 61.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

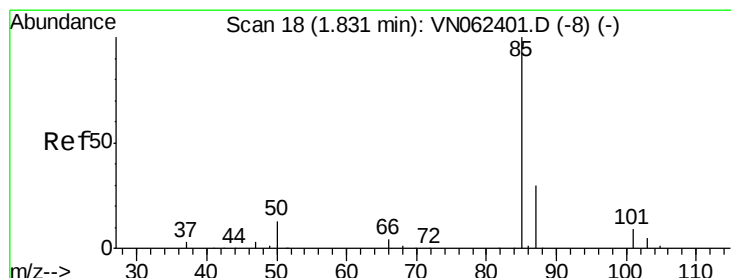
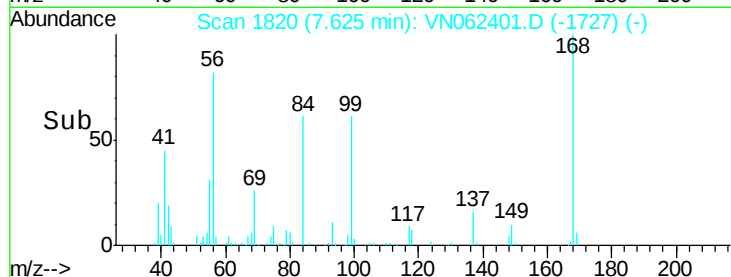
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.988 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062401.D

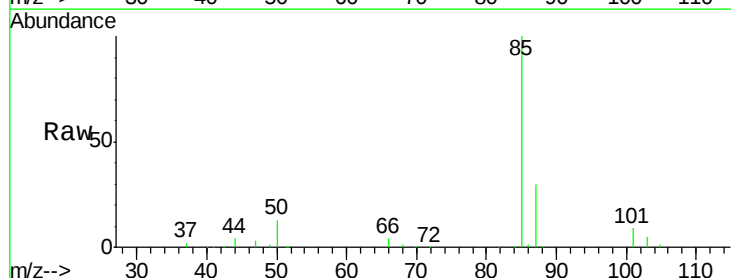
Acq: 8 Jul 2020 11:26

Tgt Ion: 85 Resp: 102026

Ion Ratio Lower Upper

85 100

87 30.3 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

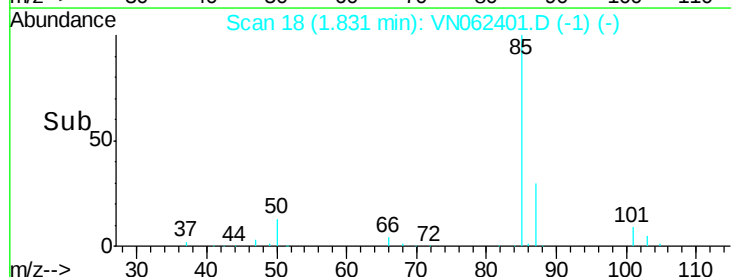
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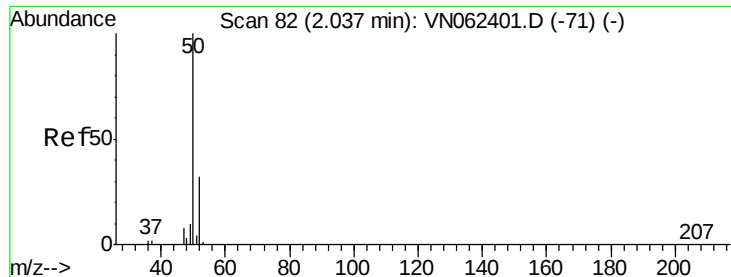
40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.963 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

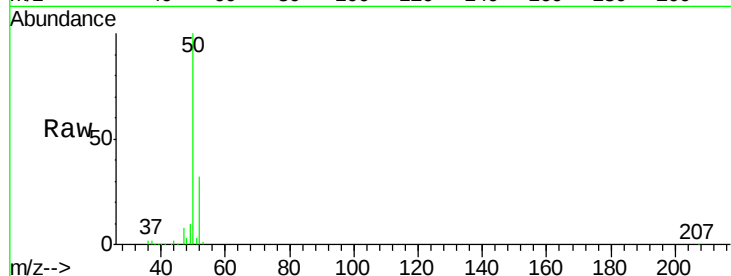
VSTDICCC050

Tgt Ion: 50 Resp: 156736

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN062401.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN062401.D (-71) (-)

2.04

120000

100000

80000

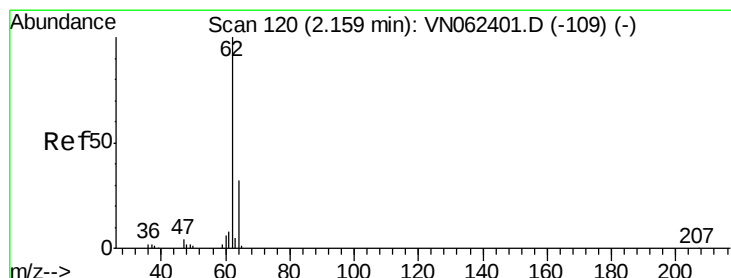
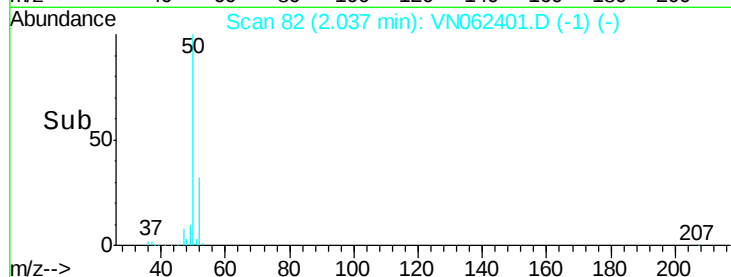
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 47.467 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062401.D

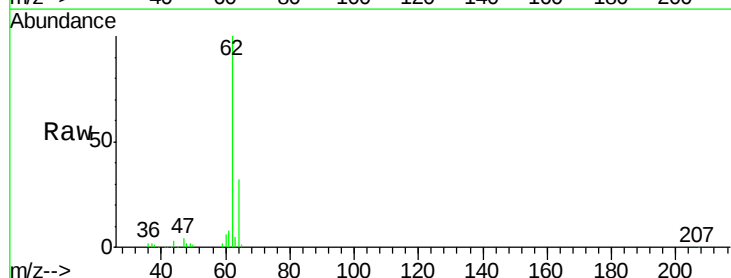
Acq: 8 Jul 2020 11:26

Tgt Ion: 62 Resp: 131926

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN062401.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN062401.D (-109) (-)

2.16

100000

80000

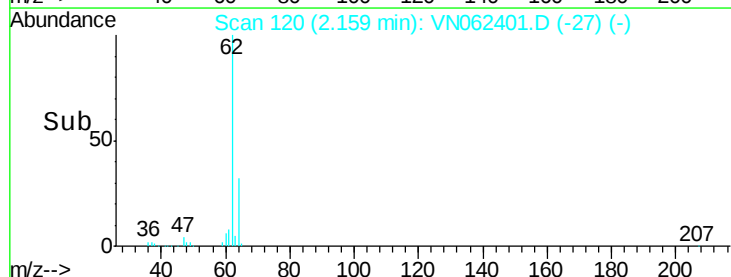
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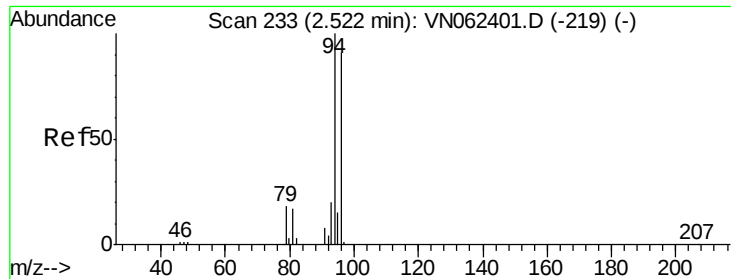
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.849 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

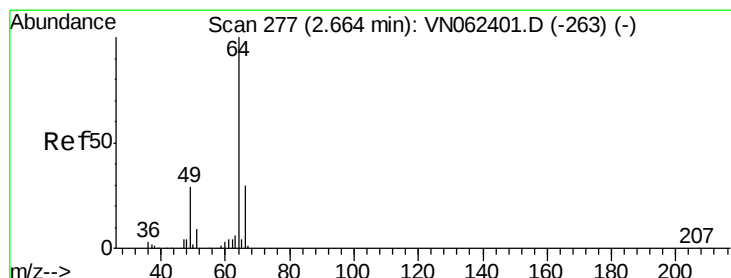
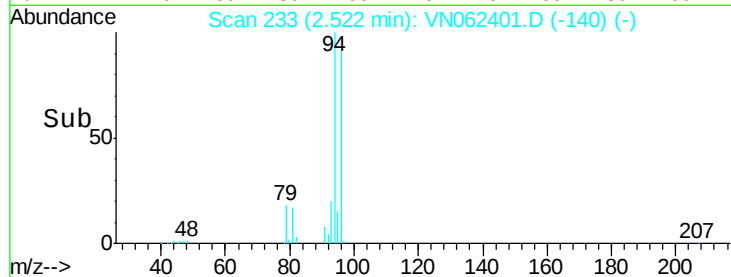
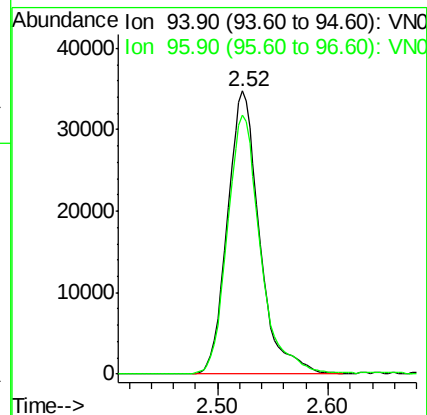
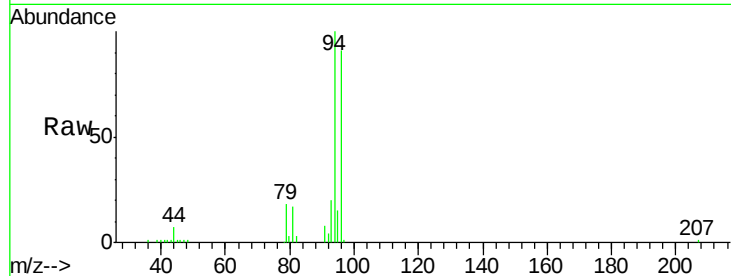
VSTDICCC050

Tgt Ion: 94 Resp: 70179

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8



#6

Chloroethane

Concen: 48.213 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062401.D

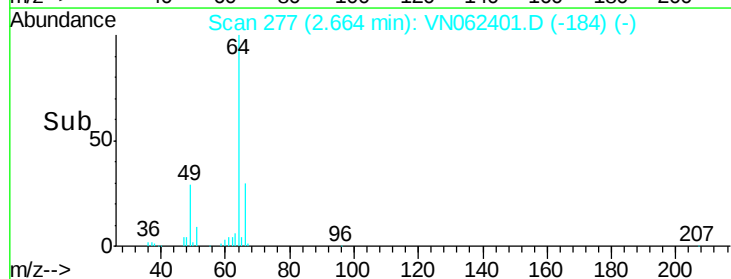
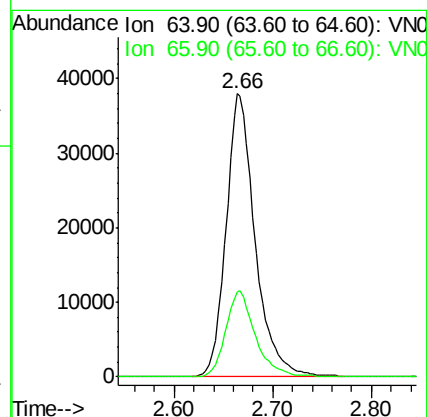
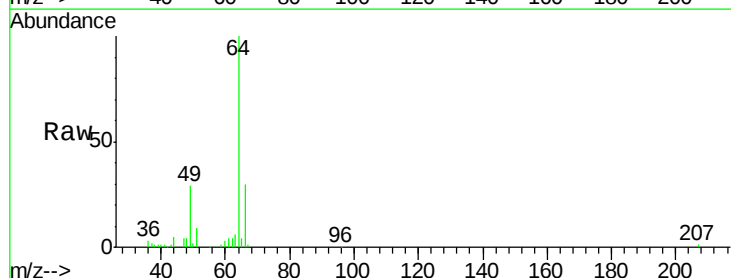
Acq: 8 Jul 2020 11:26

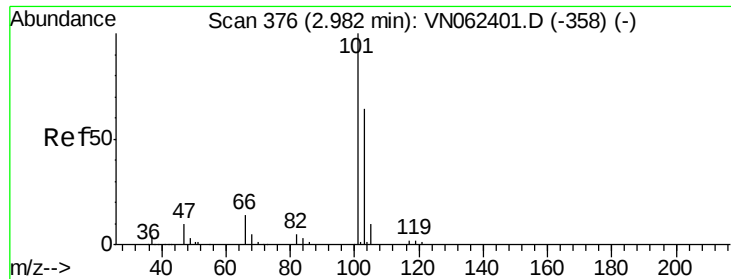
Tgt Ion: 64 Resp: 78121

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2



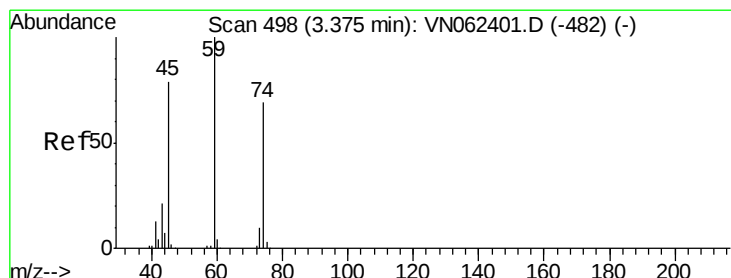
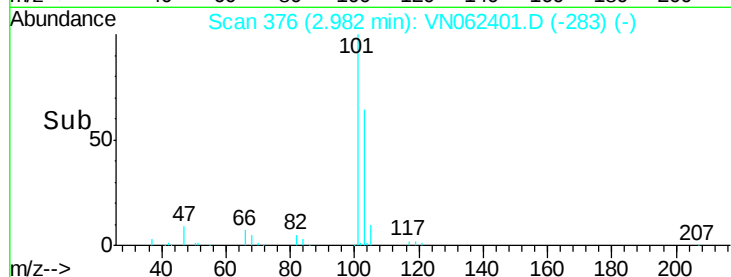
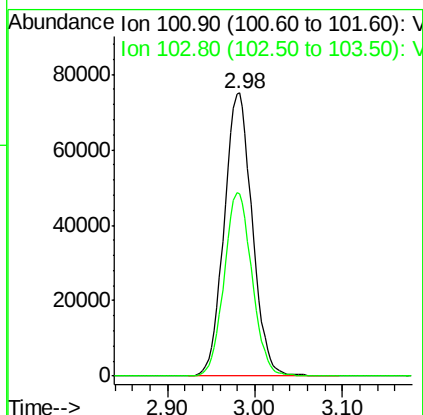
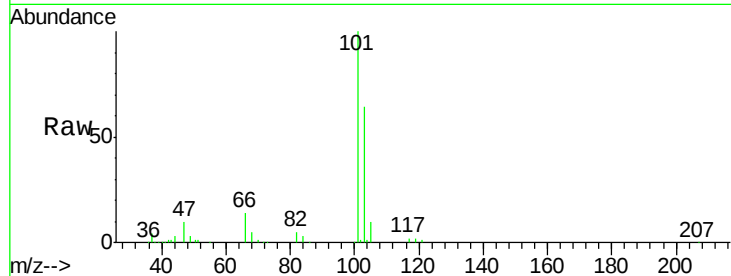


#7

Trichlorofluoromethane
 Concen: 44.416 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

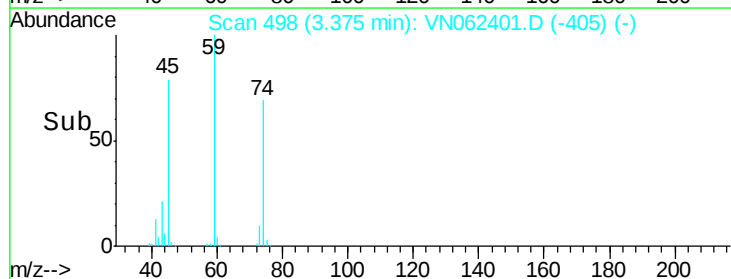
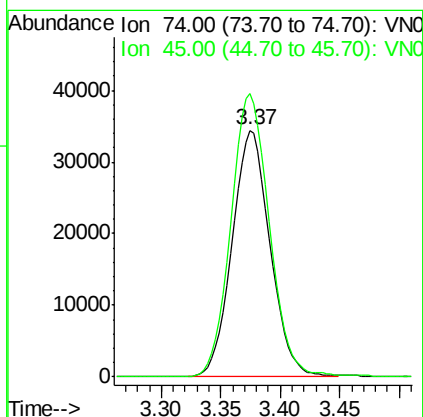
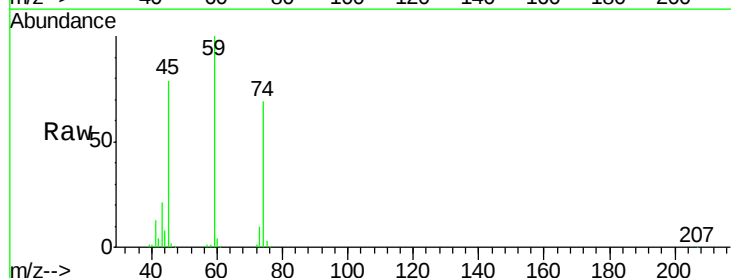
Tgt Ion: 101 Resp: 167205
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

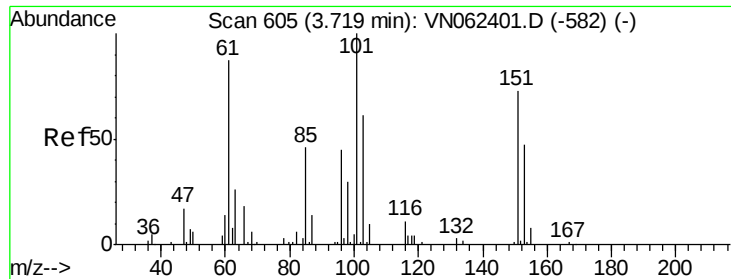


#8

Diethyl Ether
 Concen: 50.674 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 74 Resp: 76009
 Ion Ratio Lower Upper
 74 100
 45 116.9 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.896 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

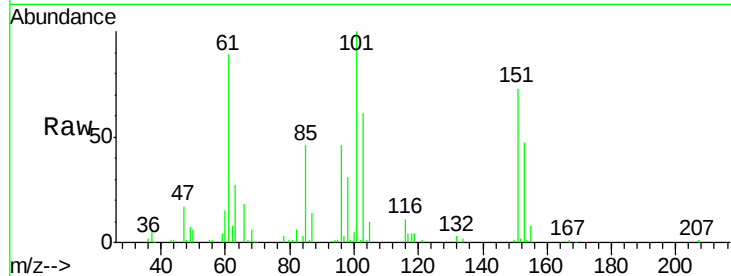
Tgt Ion:101 Resp: 100500

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

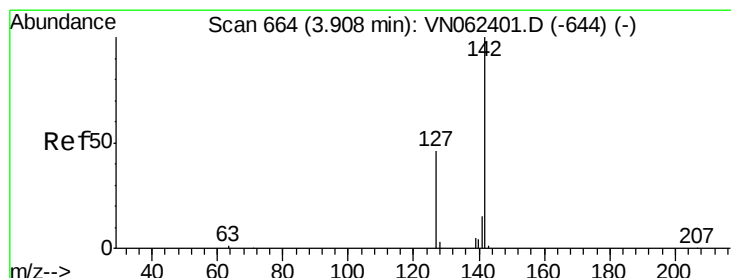
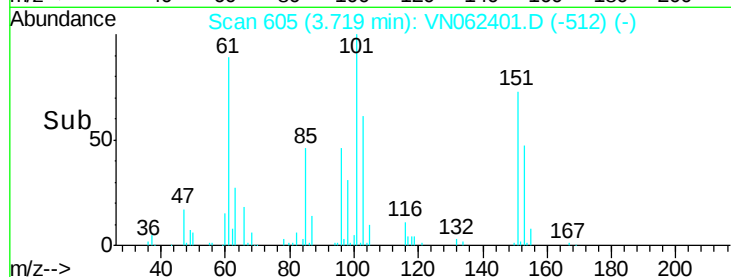
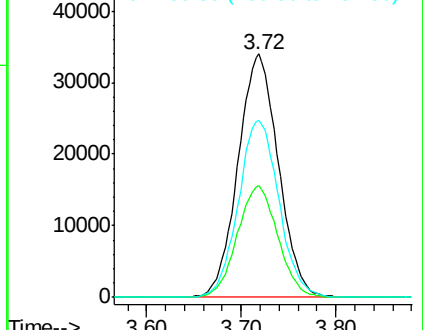
151 72.9 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.734 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

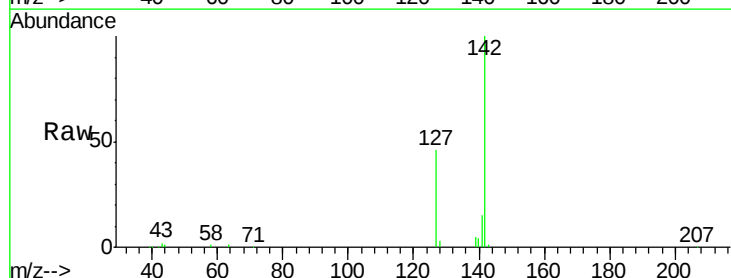
Tgt Ion:142 Resp: 137151

Ion Ratio Lower Upper

142 100

127 45.1 36.1 54.1

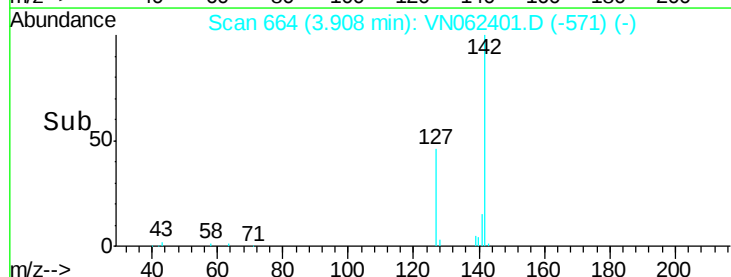
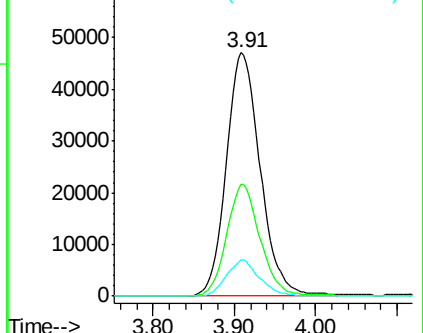
141 14.2 11.4 17.0

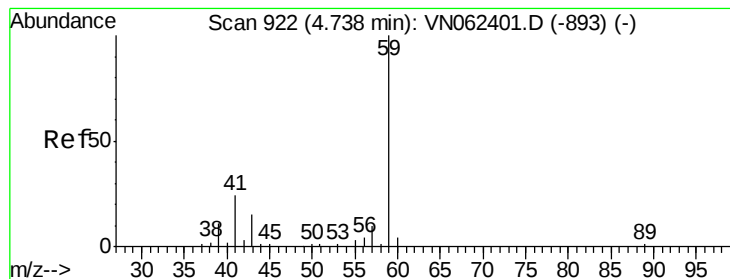


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



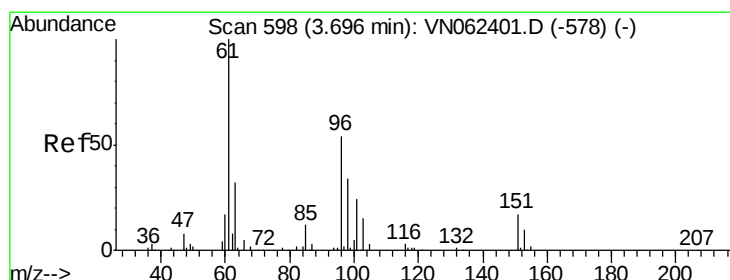
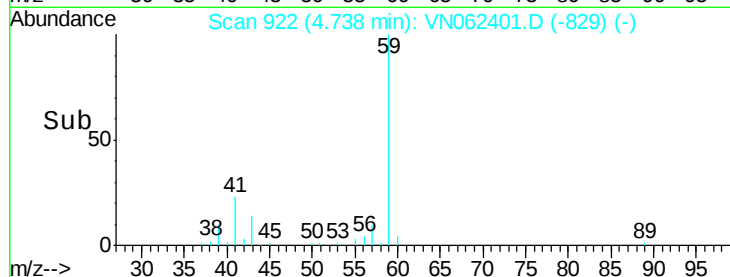
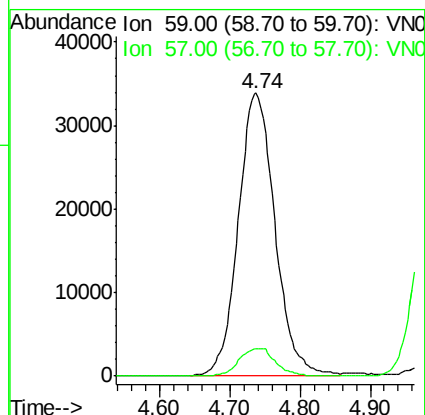
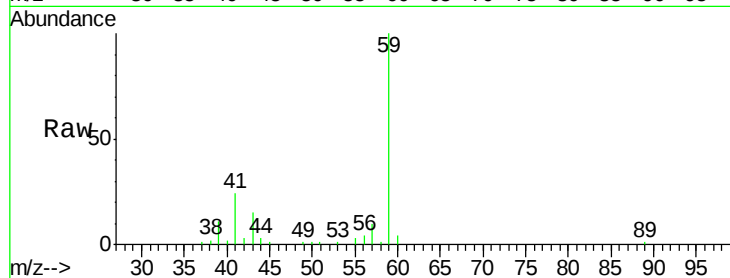


#11

Tert butyl alcohol
 Concen: 255.356 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

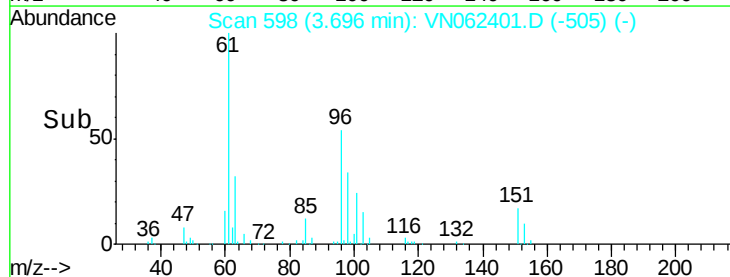
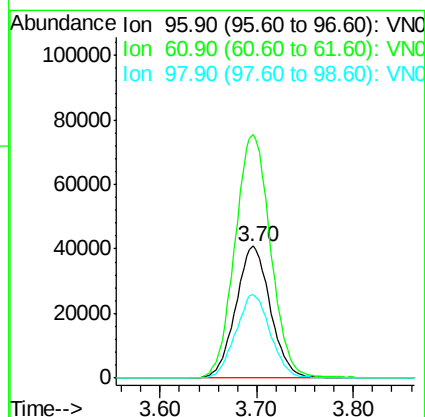
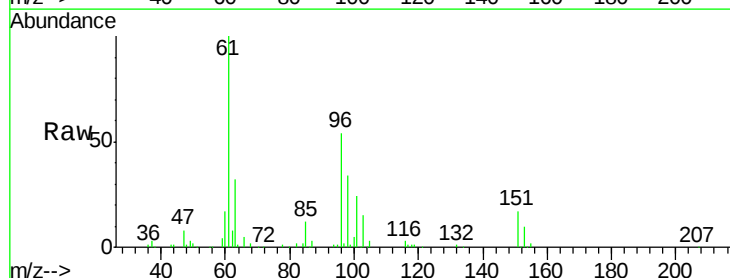
Tgt Ion: 59 Resp: 123378
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

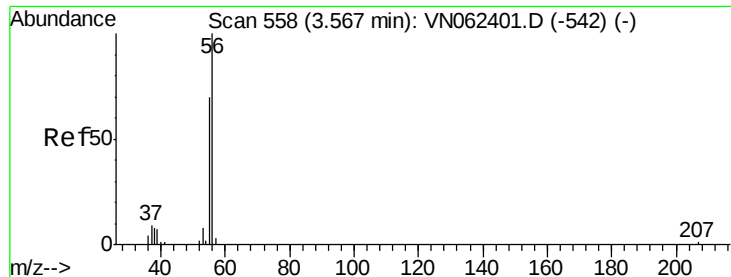


#12

1,1-Dichloroethene
 Concen: 50.754 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 96 Resp: 101960
 Ion Ratio Lower Upper
 96 100
 61 184.2 147.4 221.0
 98 63.0 50.4 75.6

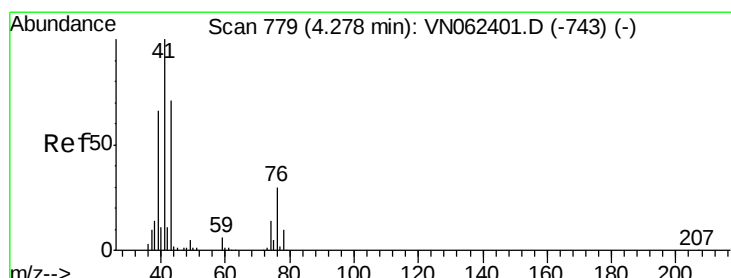
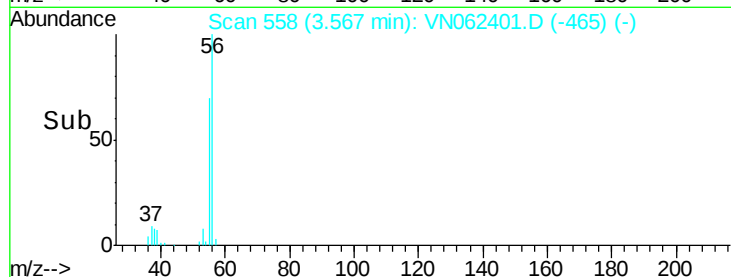
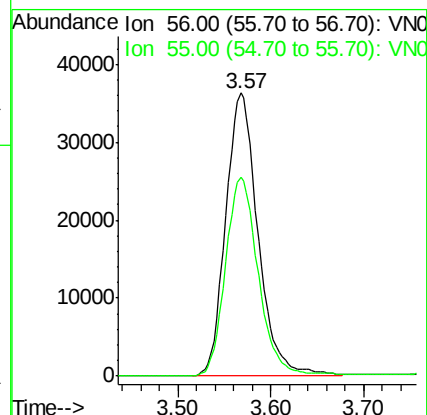
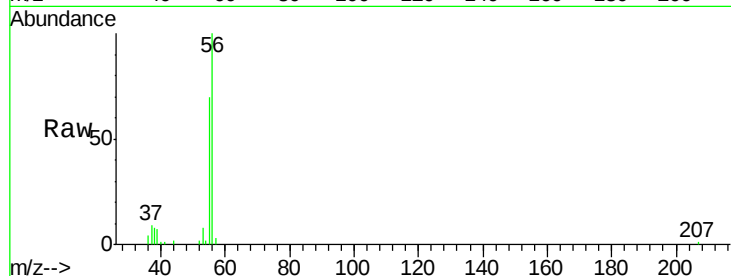




#13
Acrolein
Concen: 354.803 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

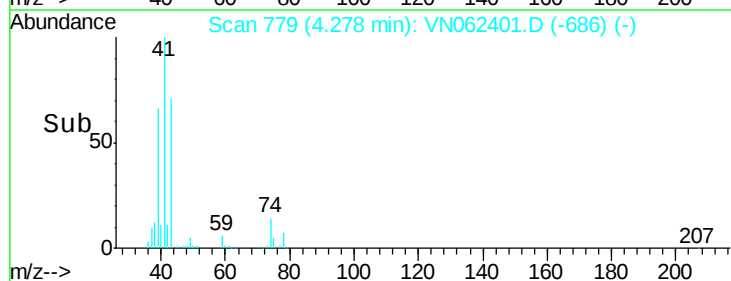
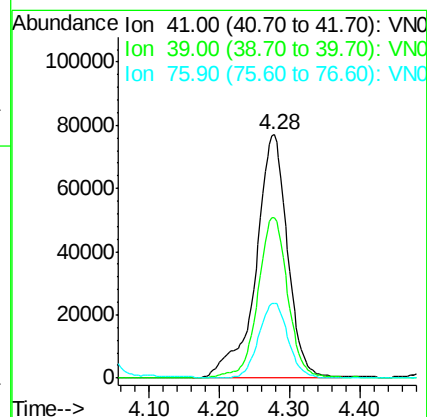
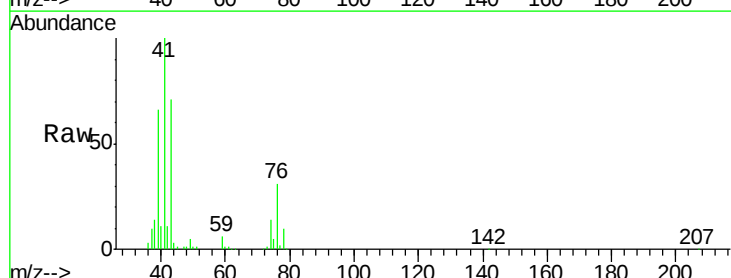
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

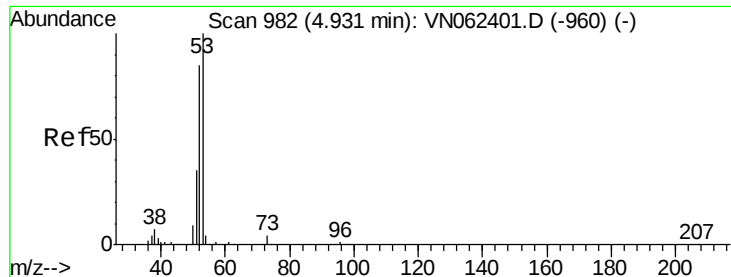
Tgt Ion: 56 Resp: 88070
Ion Ratio Lower Upper
56 100
55 71.5 57.2 85.8



#14
Allyl chloride
Concen: 49.926 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 41 Resp: 242003
Ion Ratio Lower Upper
41 100
39 62.0 49.6 74.4
76 27.8 22.2 33.4





#15

Acrylonitrile

Concen: 271.103 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

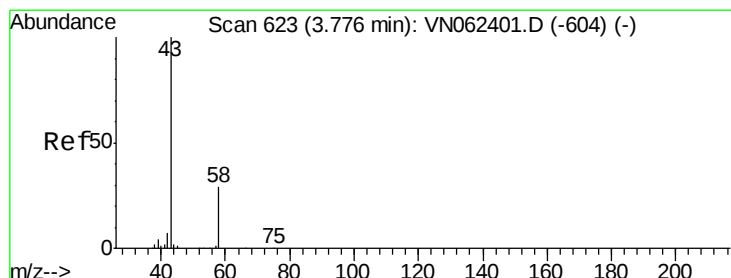
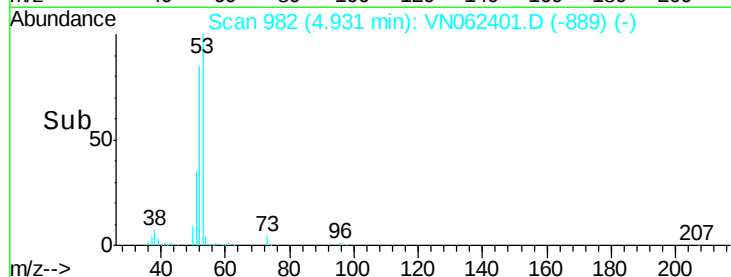
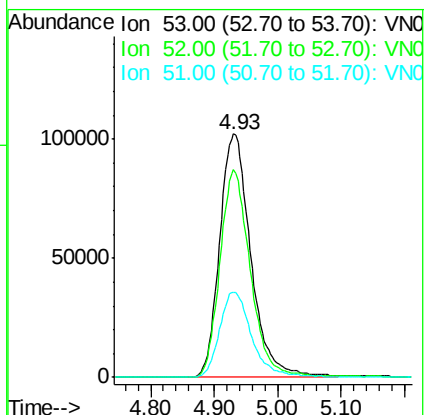
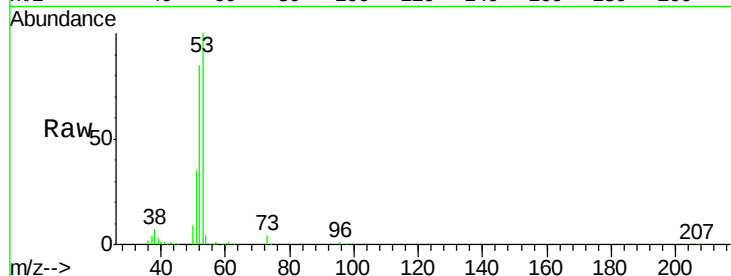
Tgt Ion: 53 Resp: 348266

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.4

51 35.9 28.7 43.1



#16

Acetone

Concen: 196.726 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062401.D

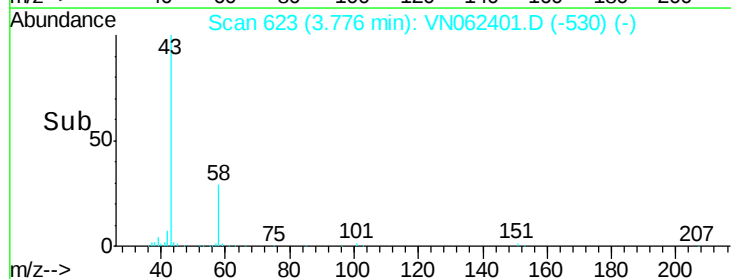
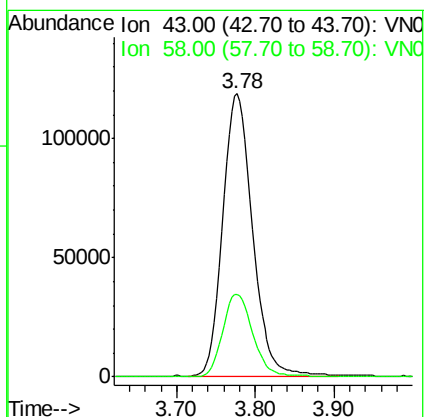
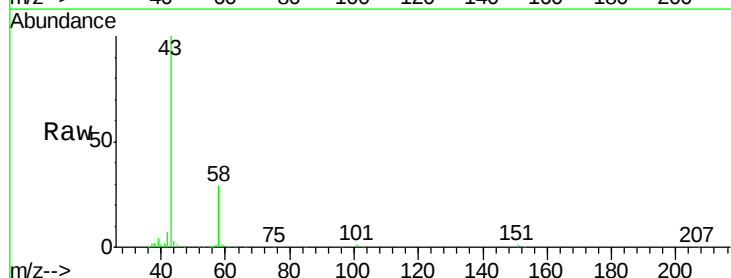
Acq: 8 Jul 2020 11:26

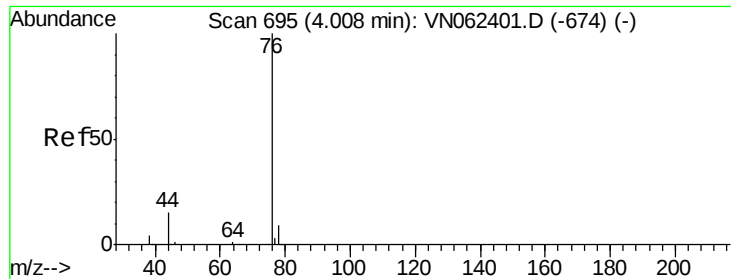
Tgt Ion: 43 Resp: 308280

Ion Ratio Lower Upper

43 100

58 29.4 23.5 35.3

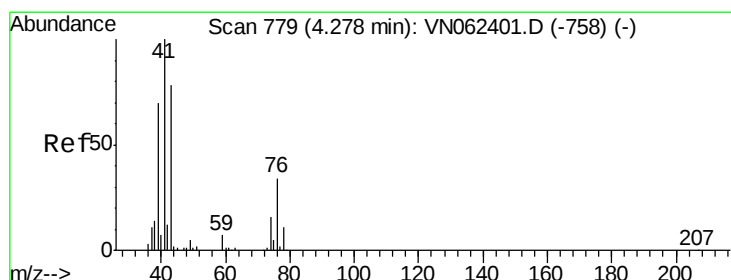
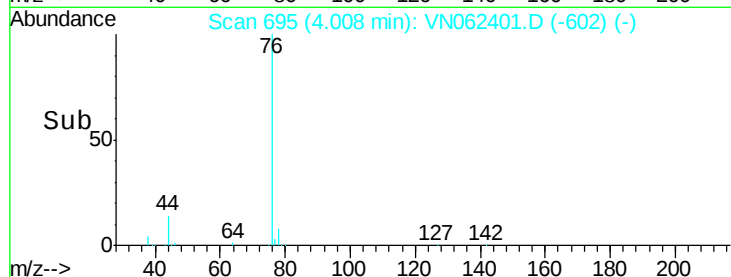
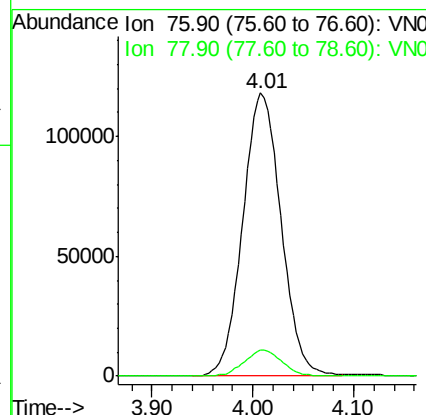
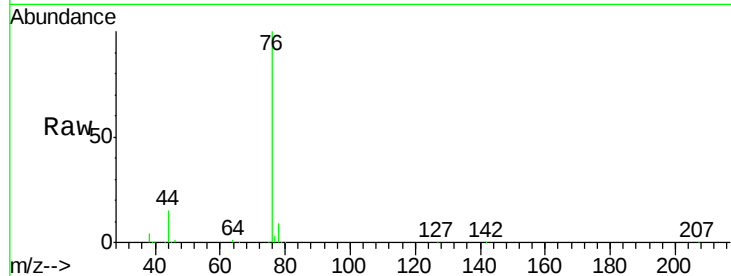




#17
Carbon Disulfide
Concen: 48.924 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

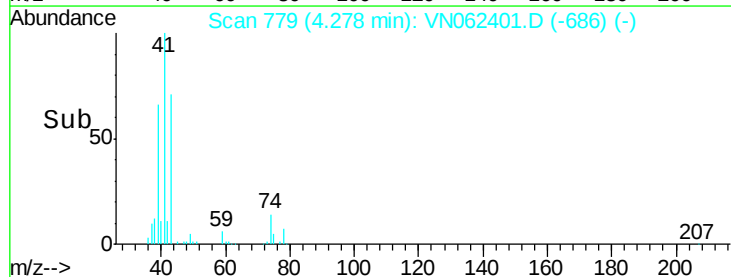
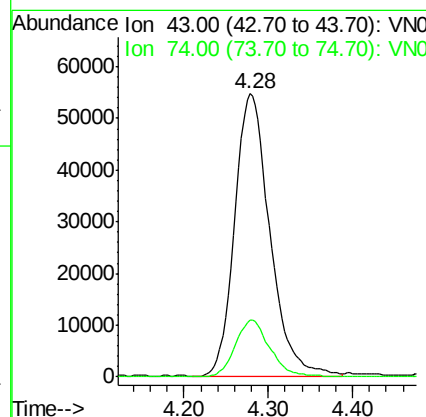
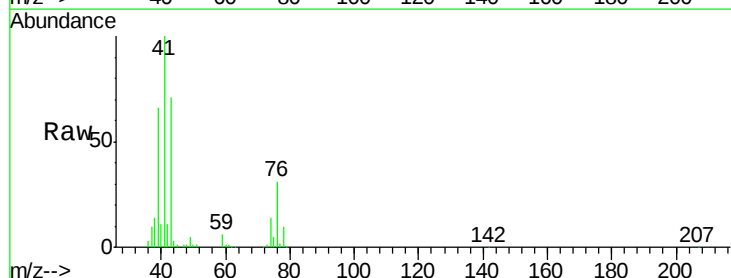
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

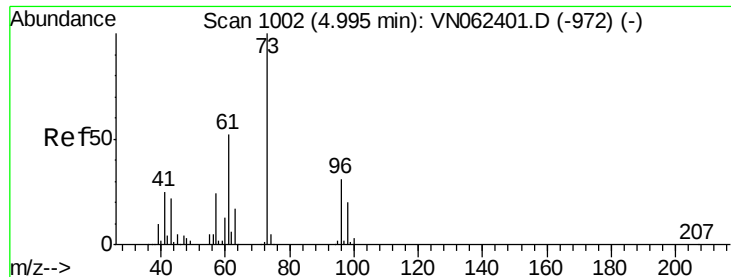
Tgt Ion: 76 Resp: 311405
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 44.902 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 43 Resp: 157876
Ion Ratio Lower Upper
43 100
74 20.0 16.0 24.0

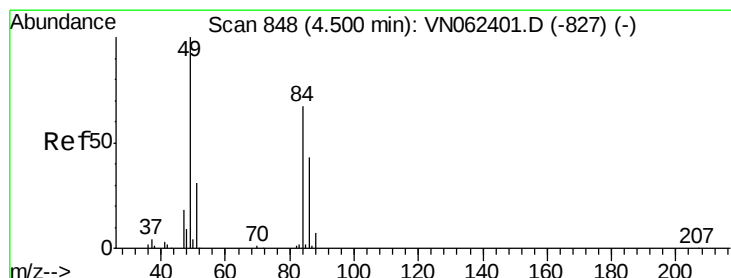
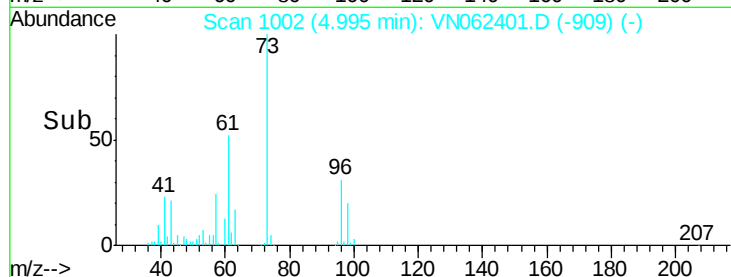
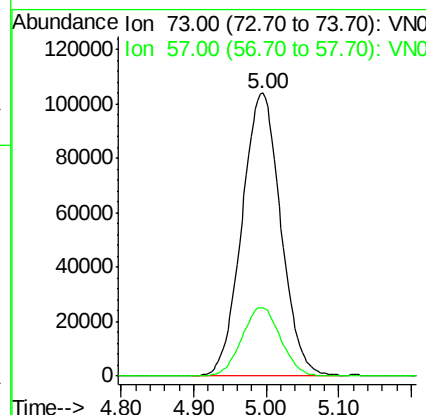
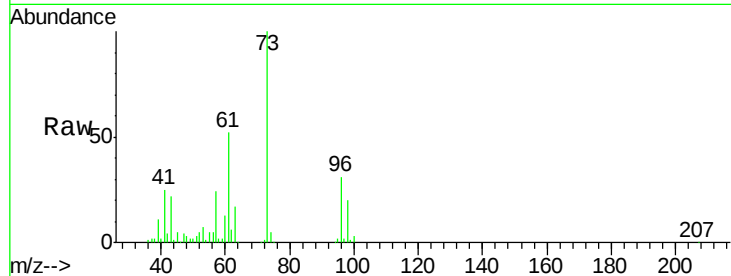




#19
Methyl tert-butyl Ether
Concen: 50.947 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

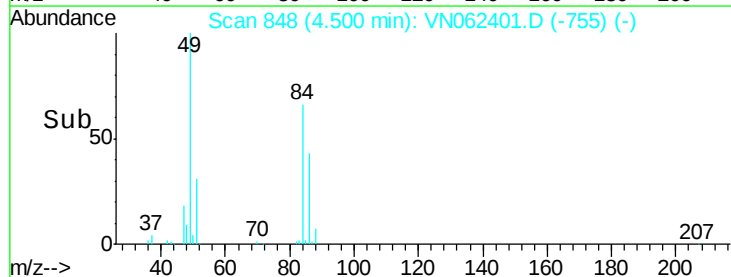
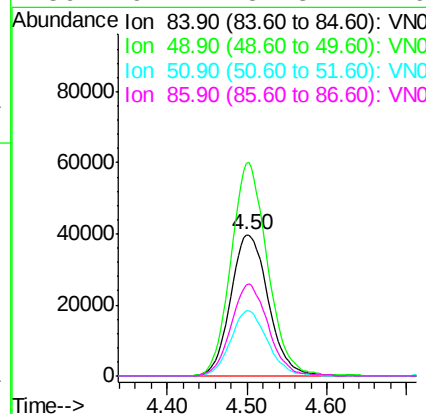
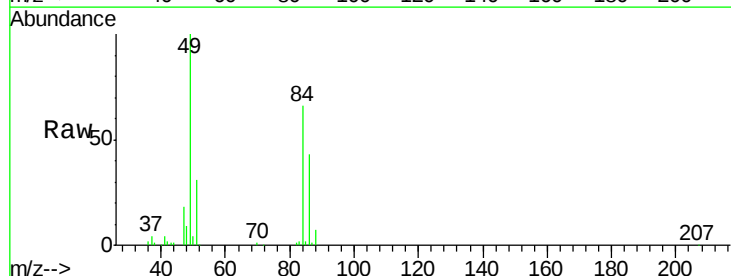
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

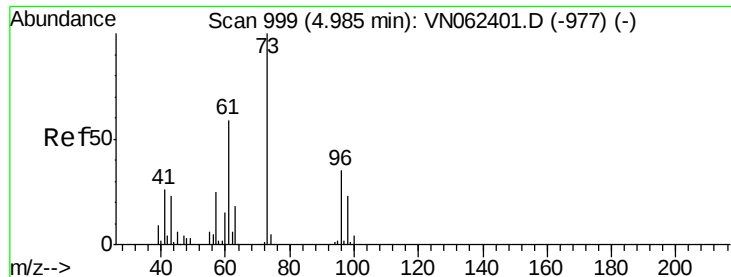
Tgt Ion: 73 Resp: 388411
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.0



#20
Methylene Chloride
Concen: 44.457 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 84 Resp: 127991
Ion Ratio Lower Upper
84 100
49 150.0 120.0 180.0
51 46.3 37.0 55.6
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.924 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

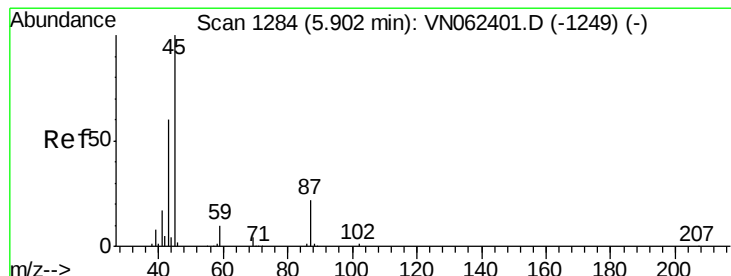
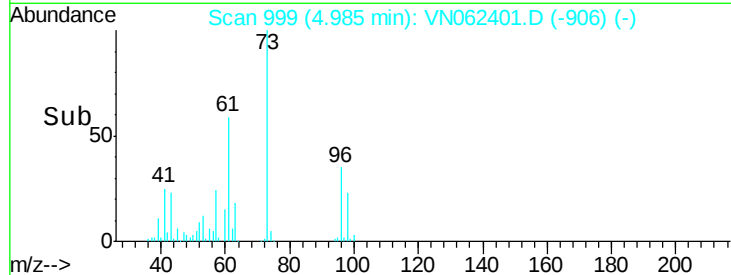
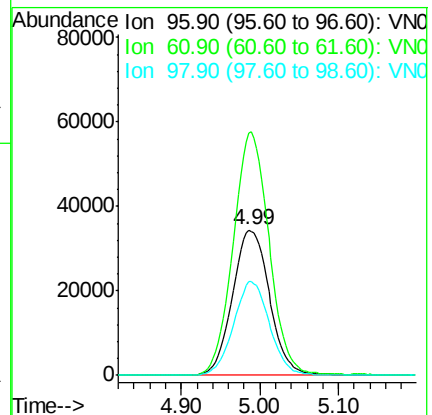
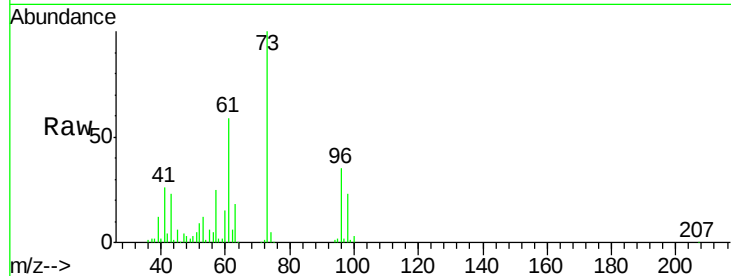
Tgt Ion: 96 Resp: 113118

Ion Ratio Lower Upper

96 100

61 166.9 133.5 200.3

98 64.9 51.9 77.9



#22

Diisopropyl ether

Concen: 50.126 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion: 45 Resp: 484486

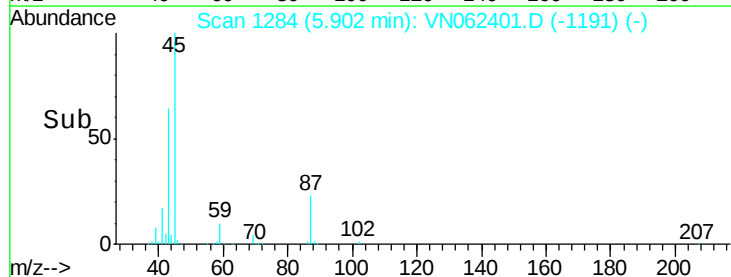
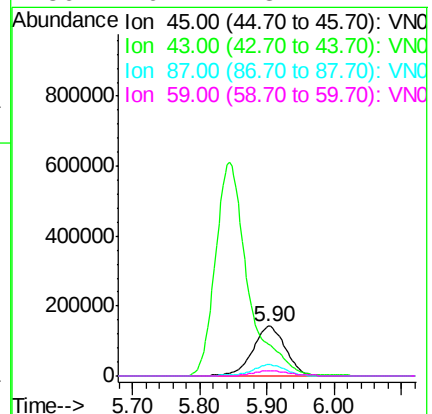
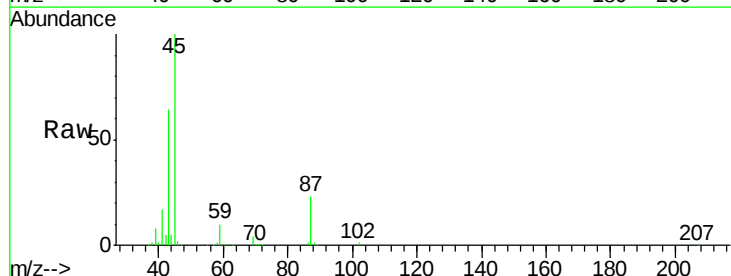
Ion Ratio Lower Upper

45 100

43 62.6 50.1 75.1

87 22.8 18.2 27.4

59 10.2 8.2 12.2

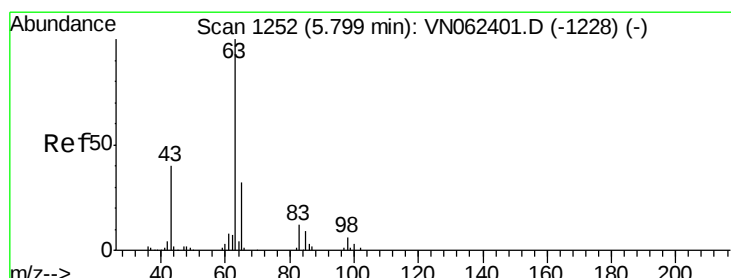
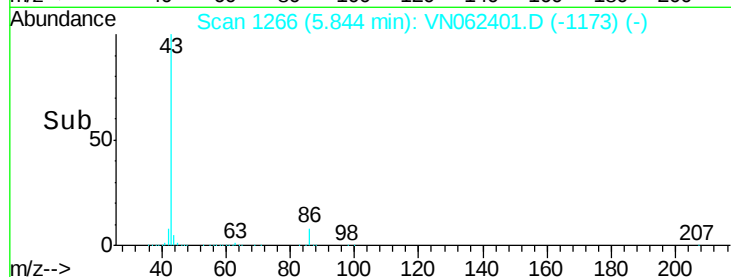
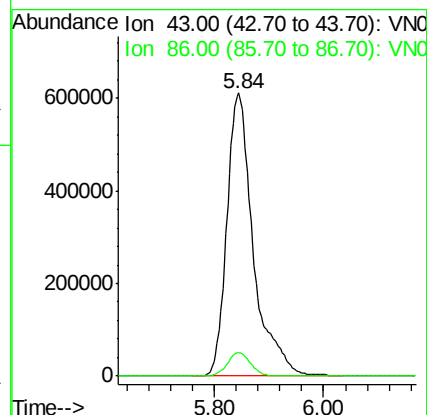
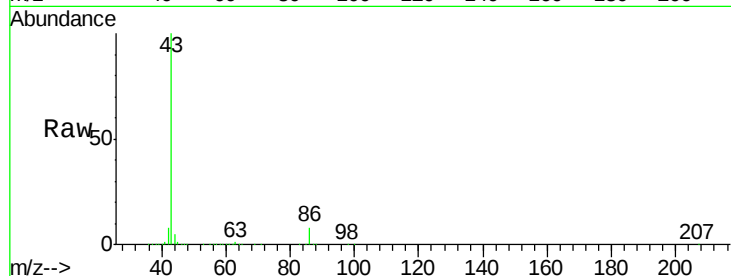




#23
 Vinyl Acetate
 Concen: 273.835 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

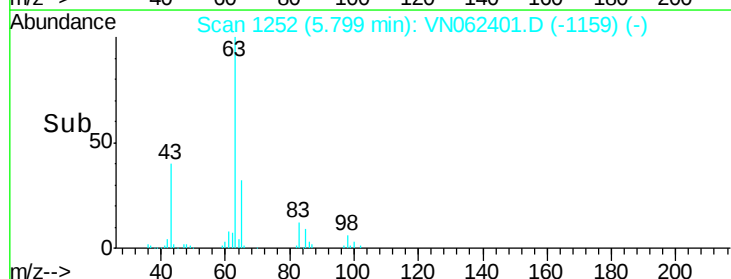
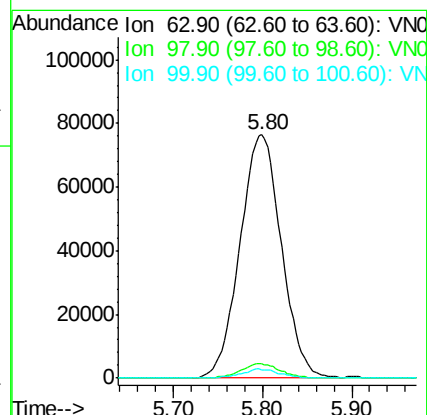
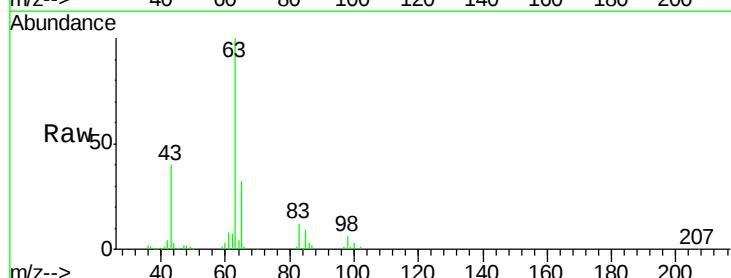
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

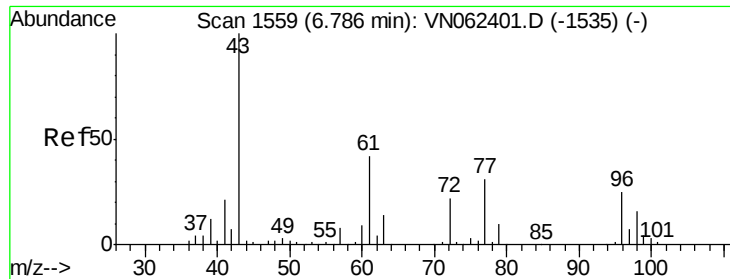
Tgt Ion: 43 Resp: 2055616
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 50.942 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 63 Resp: 246216
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 242.240 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

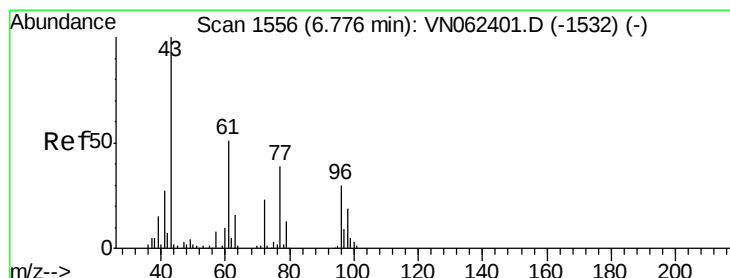
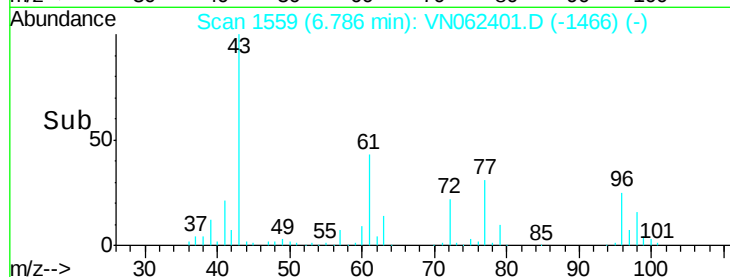
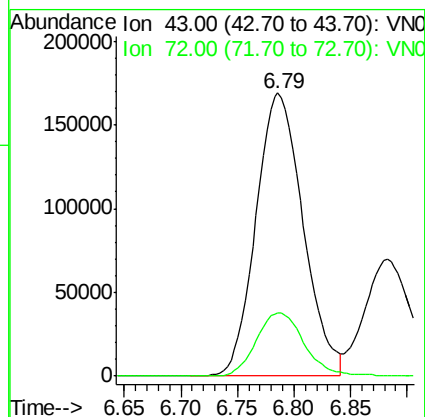
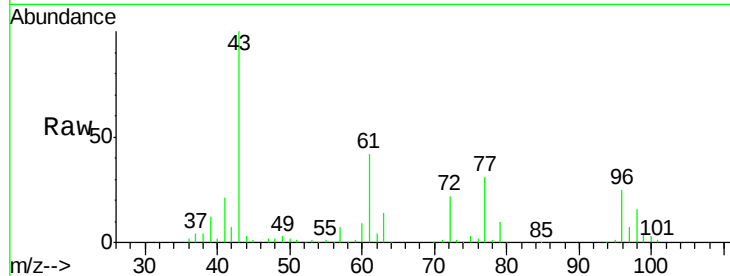
VSTDICCC050

Tgt Ion: 43 Resp: 486417

Ion Ratio Lower Upper

43 100

72 22.4 17.9 26.9



#26

2,2-Dichloropropane

Concen: 46.967 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062401.D

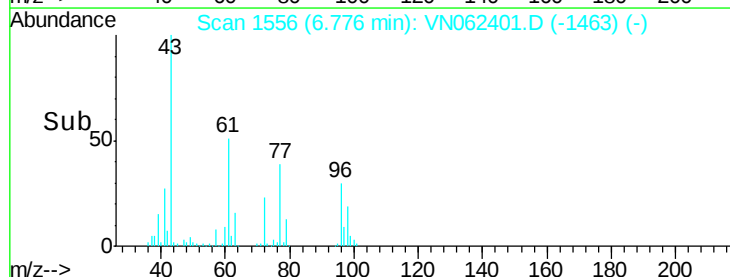
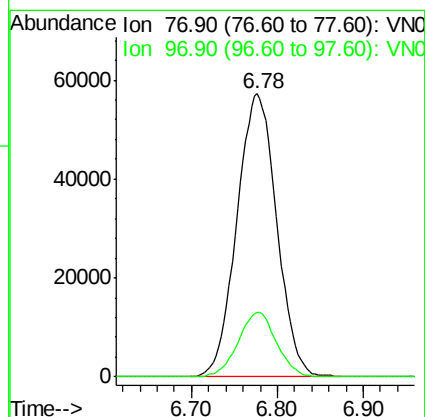
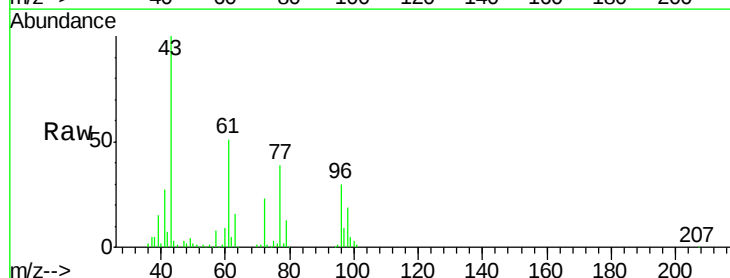
Acq: 8 Jul 2020 11:26

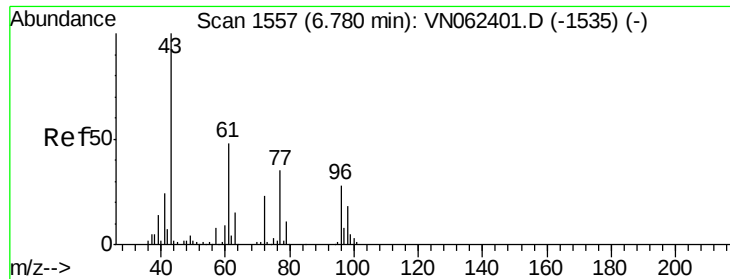
Tgt Ion: 77 Resp: 184485

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9

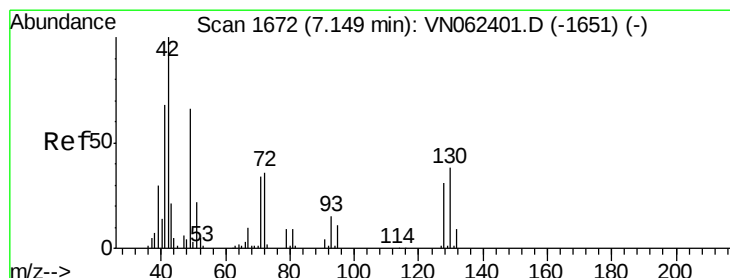
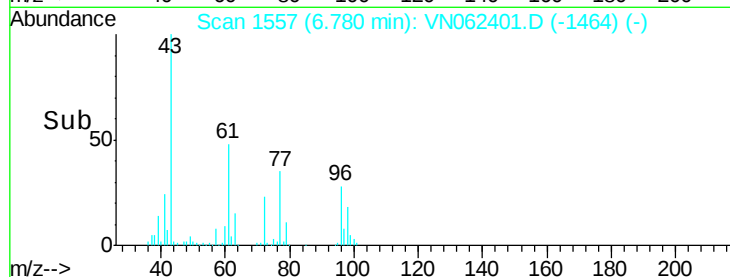
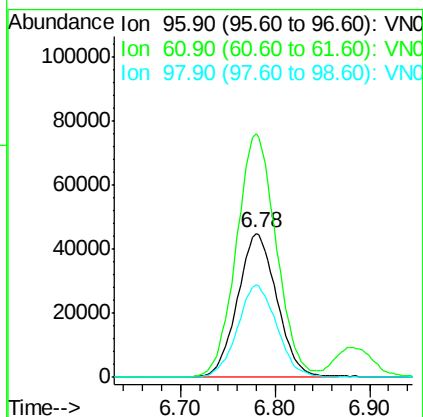
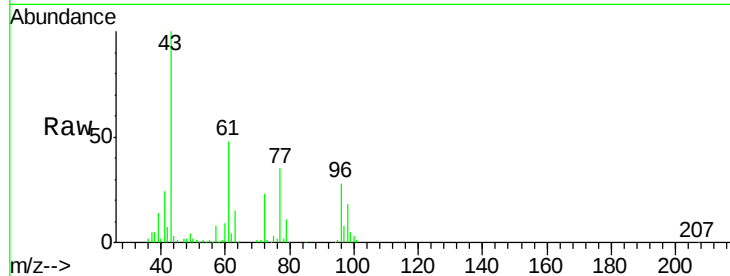




#27
 cis-1,2-Dichloroethene
 Concen: 51.210 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

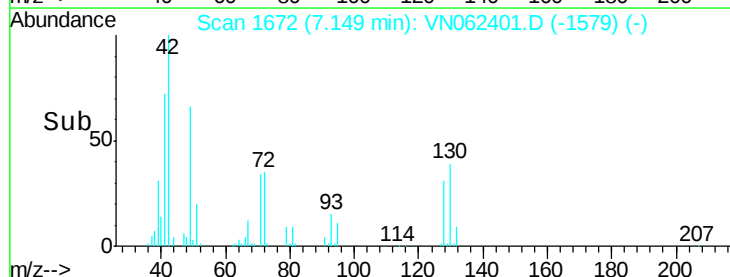
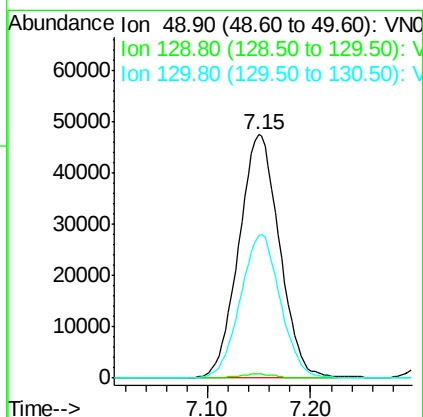
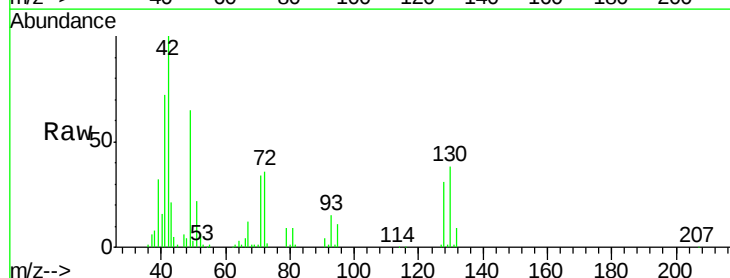
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

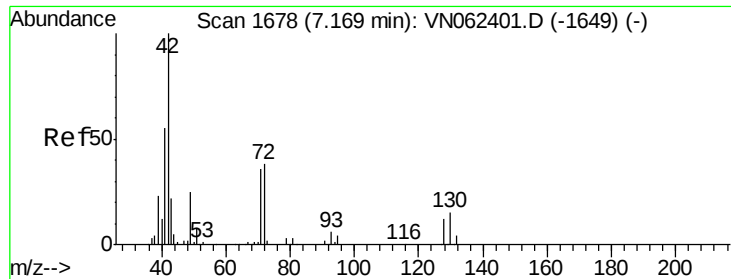
Tgt Ion: 96 Resp: 129890
 Ion Ratio Lower Upper
 96 100
 61 171.7 0.0 343.4
 98 64.2 0.0 128.4



#28
 Bromochloromethane
 Concen: 49.137 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 49 Resp: 130490
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.8
 130 58.1 46.5 69.7

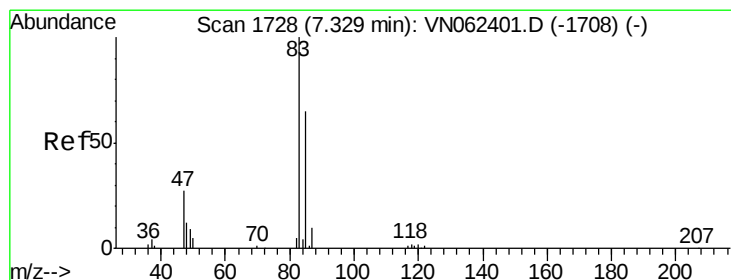
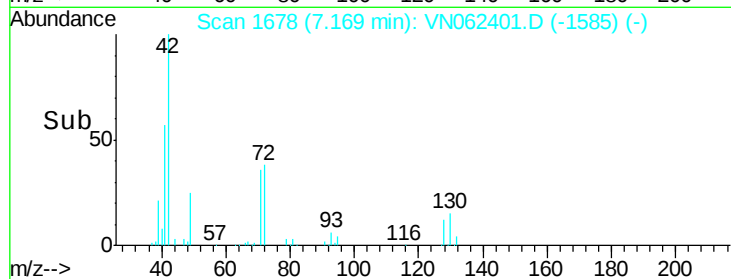
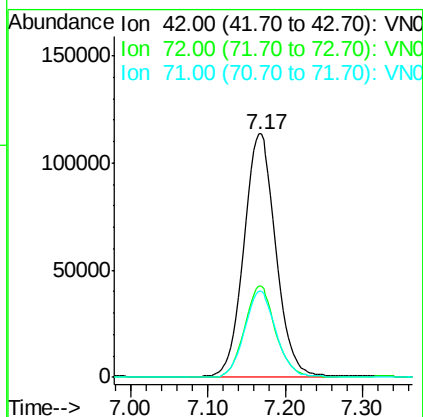
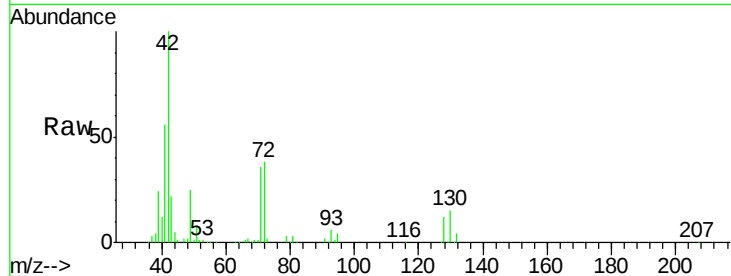




#29
Tetrahydrofuran
Concen: 255.065 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

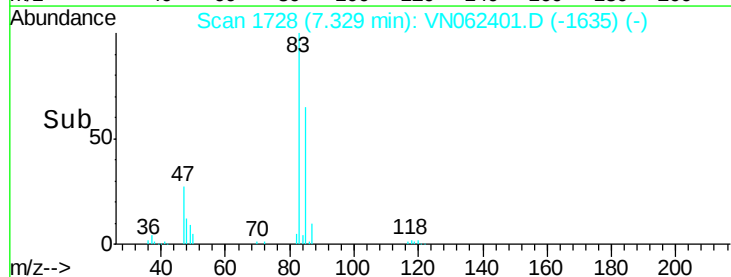
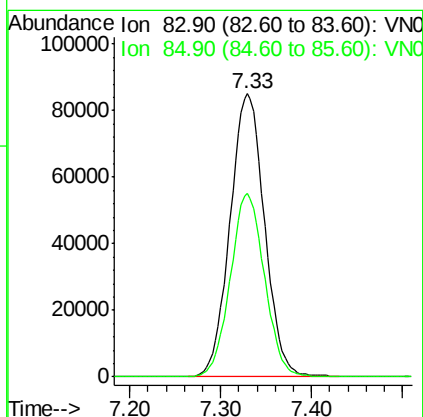
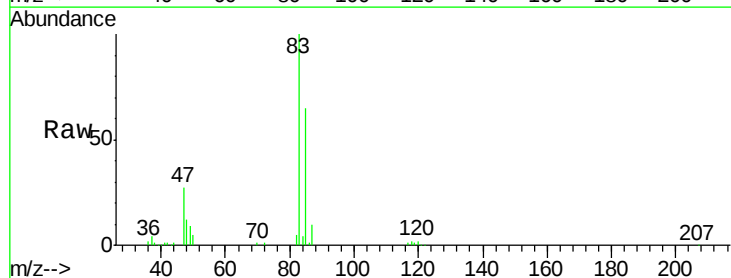
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

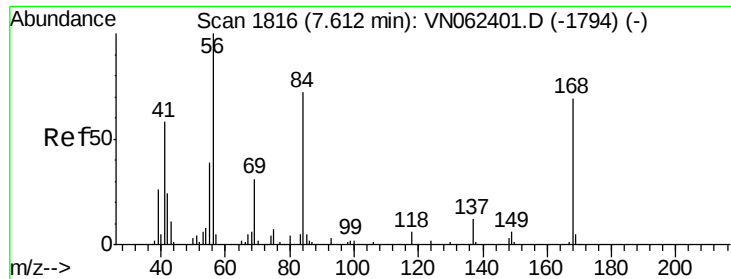
Tgt Ion: 42 Resp: 326951
Ion Ratio Lower Upper
42 100
72 36.4 29.1 43.7
71 35.1 28.1 42.1



#30
Chloroform
Concen: 47.997 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 83 Resp: 224032
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6

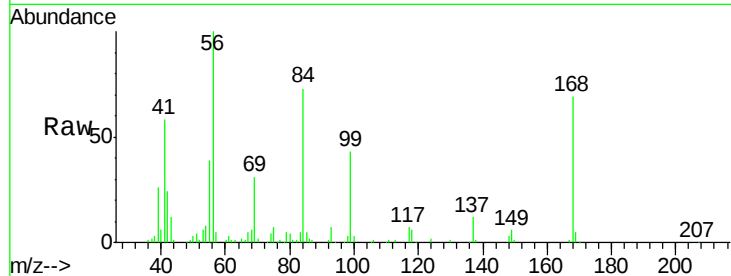




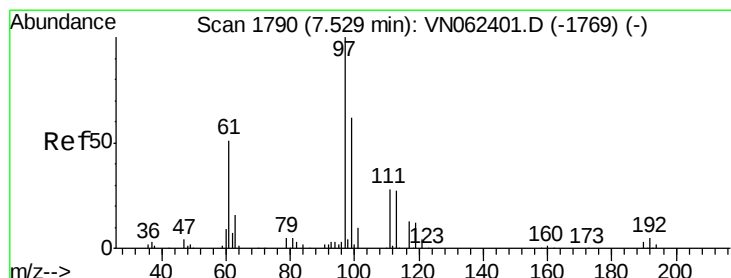
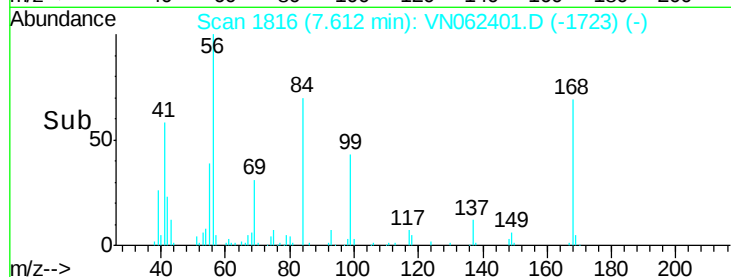
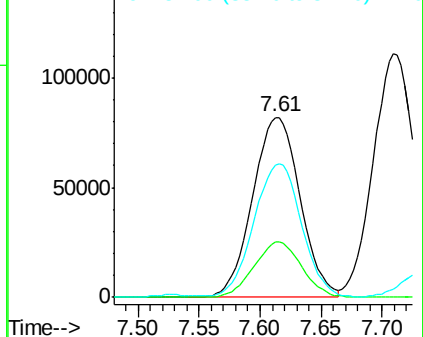
#31
Cyclohexane
Concen: 49.518 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 221817
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 71.8 57.4 86.2

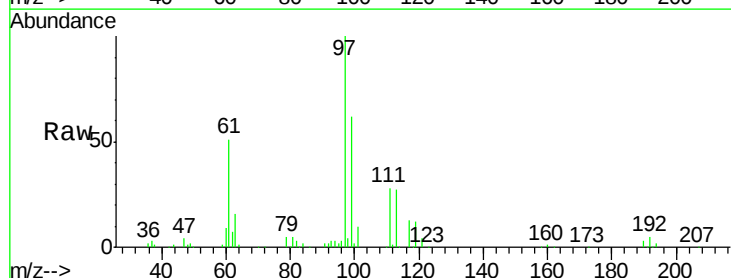


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

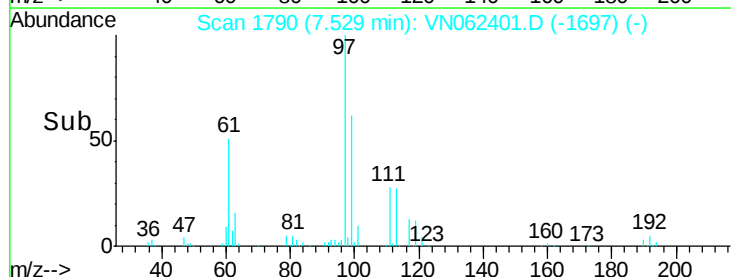
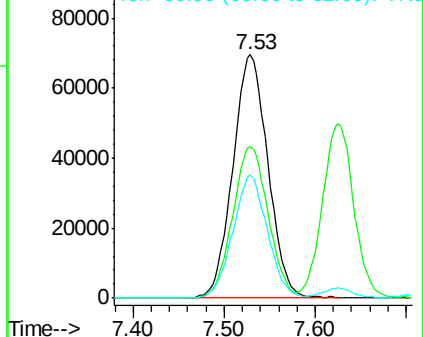


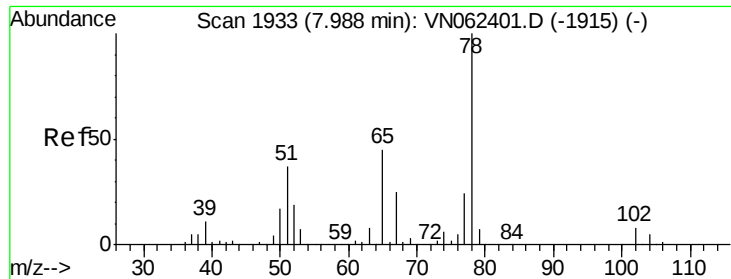
#32
1,1,1-Trichloroethane
Concen: 47.570 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 97 Resp: 185840
Ion Ratio Lower Upper
97 100
99 63.0 50.4 75.6
61 49.9 39.9 59.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

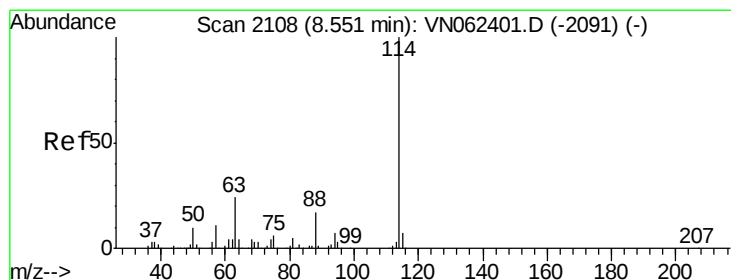
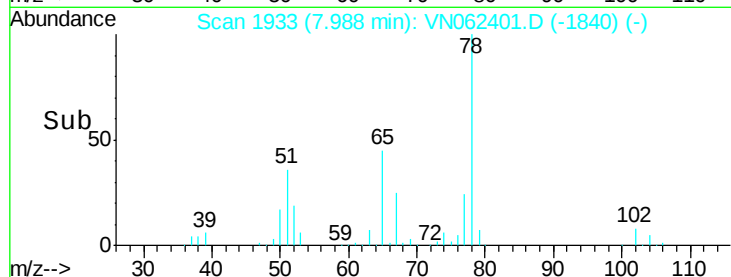
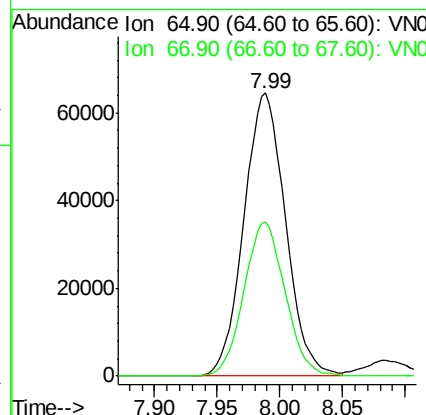
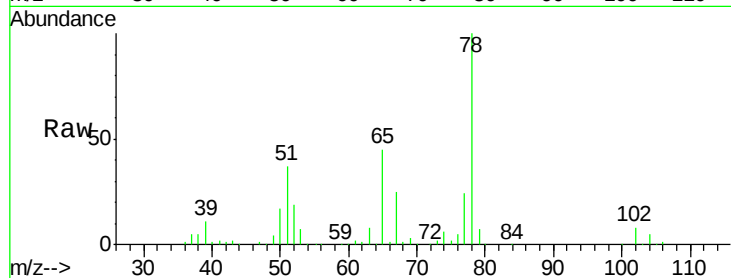




#33
 1,2-Dichloroethane-d4
 Concen: 43.980 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

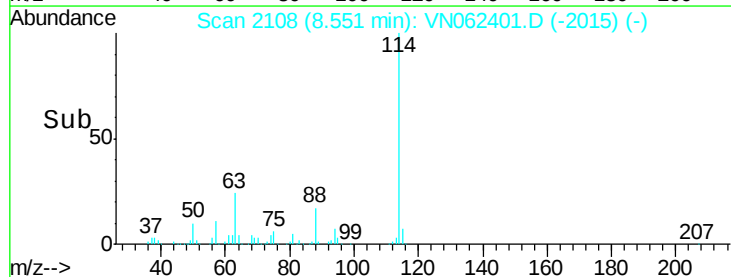
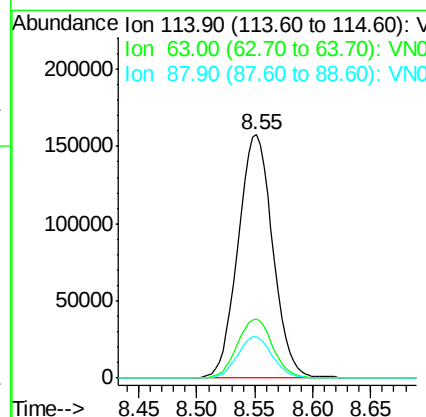
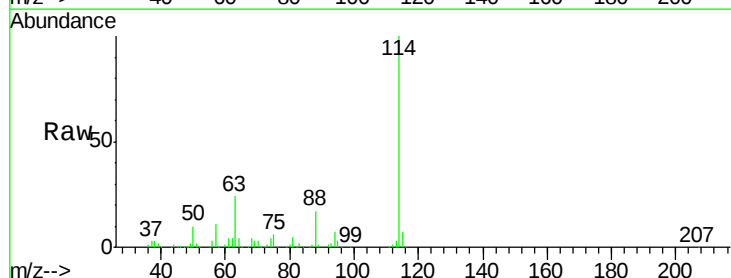
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

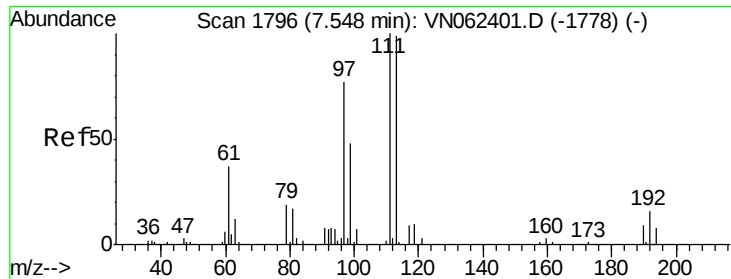
Tgt Ion: 65 Resp: 149298
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 114 Resp: 327919
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.4
 88 16.9 0.0 33.8

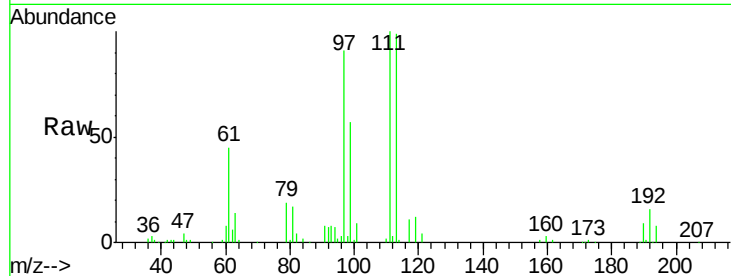




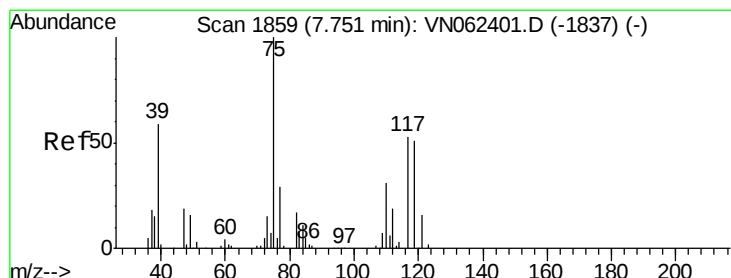
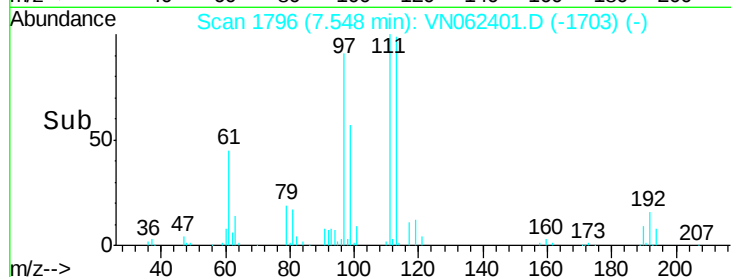
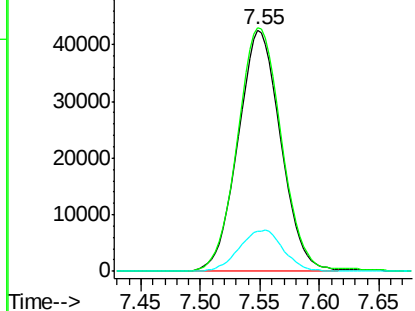
#35
 Dibromofluoromethane
 Concen: 48.143 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 105681
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.1 124.7
 192 17.6 14.1 21.1

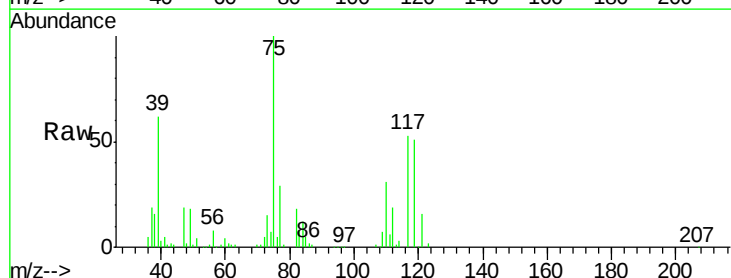


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

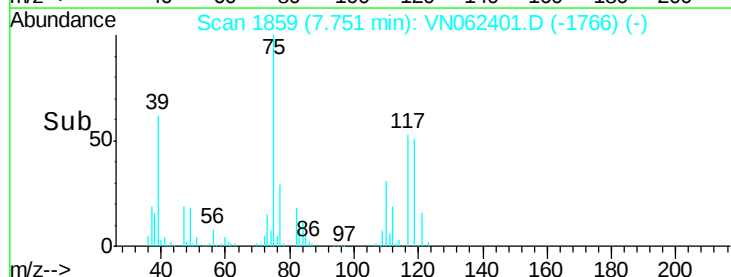
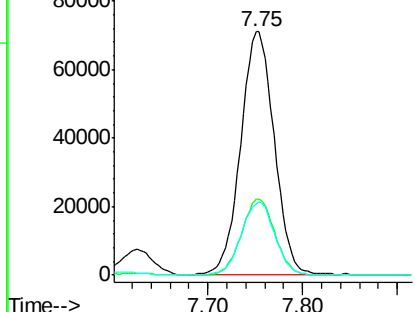


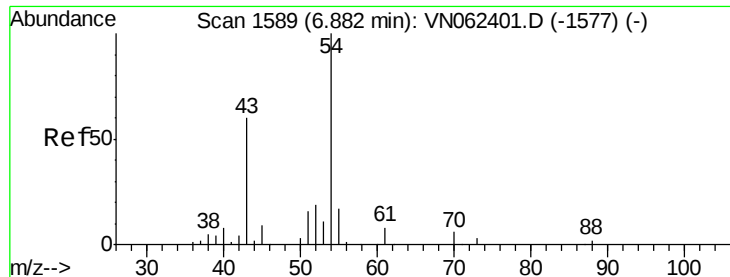
#36
 1,1-Dichloropropene
 Concen: 50.602 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 75 Resp: 175686
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.4 46.2
 77 30.1 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

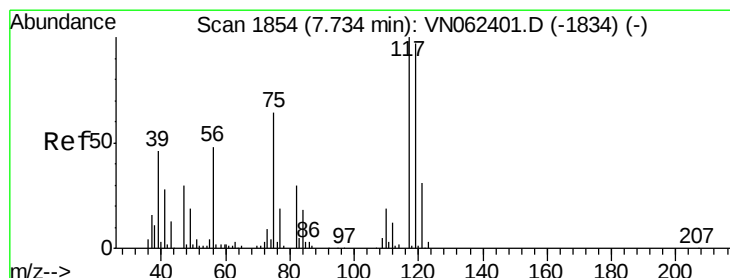
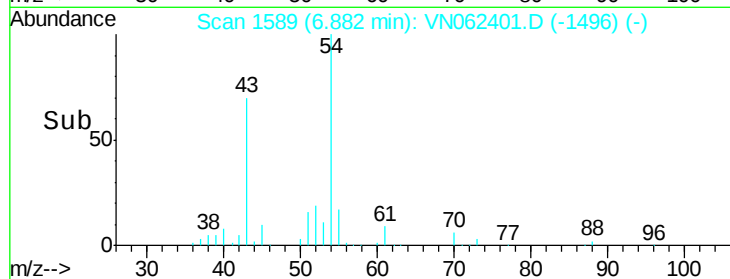
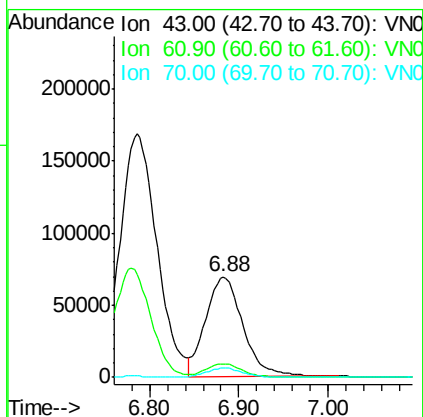
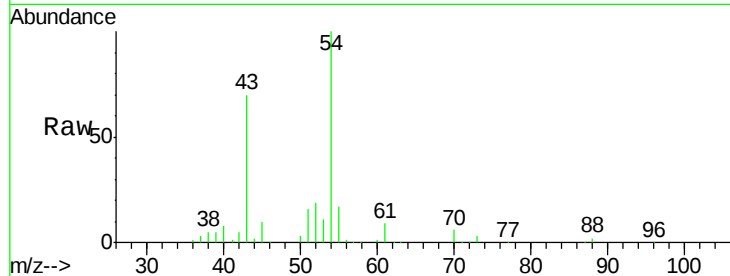




#37
Ethyl Acetate
Concen: 49.884 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

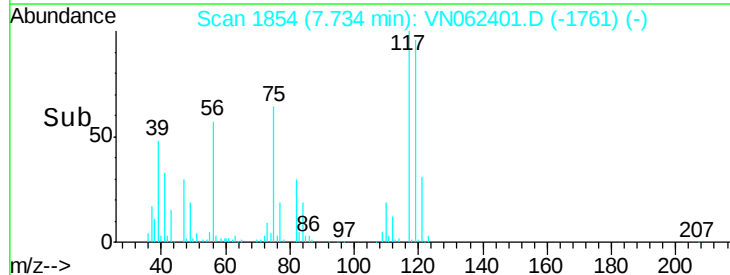
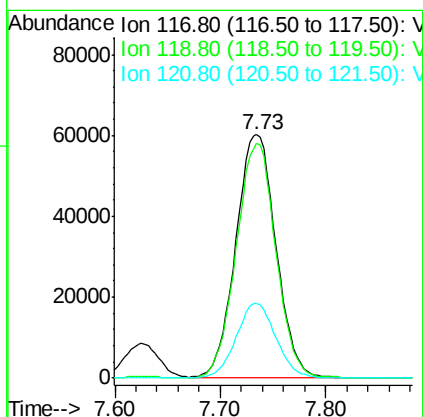
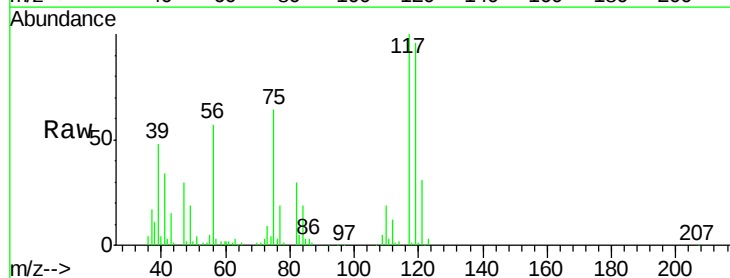
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

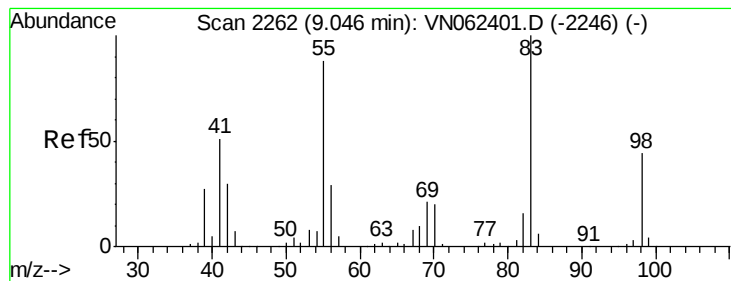
Tgt Ion: 43 Resp: 201573
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 46.152 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 117 Resp: 158134
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.0 24.8 37.2





#39

Methylcyclohexane

Concen: 51.341 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

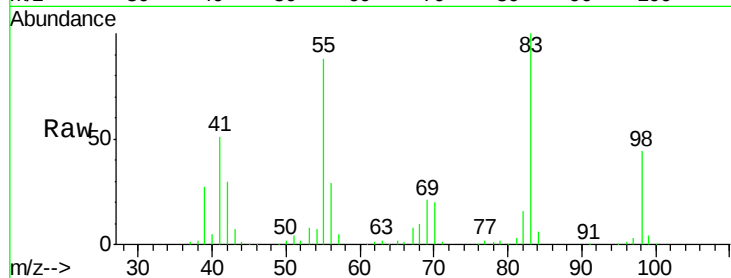
Tgt Ion: 83 Resp: 191870

Ion Ratio Lower Upper

83 100

55 88.1 70.5 105.7

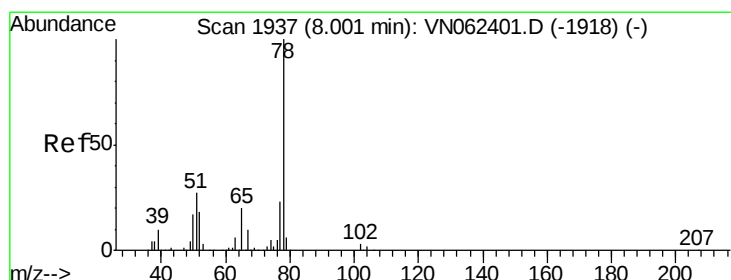
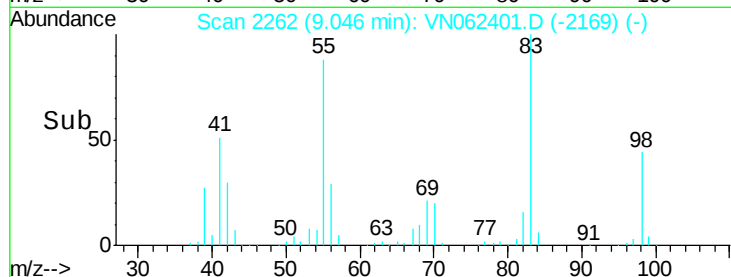
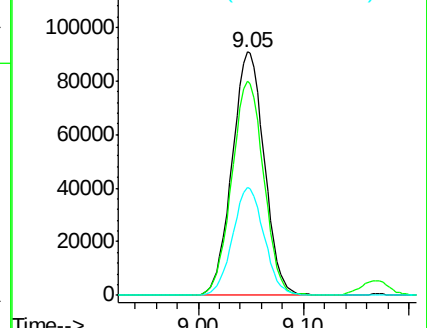
98 44.4 35.5 53.3



Abundance Ion 83.00 (82.70 to 83.70): VN062401.D (-2246) (-)

Ion 55.00 (54.70 to 55.70): VN062401.D (-2246) (-)

Ion 98.00 (97.70 to 98.70): VN062401.D (-2246) (-)



#40

Benzene

Concen: 52.065 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062401.D

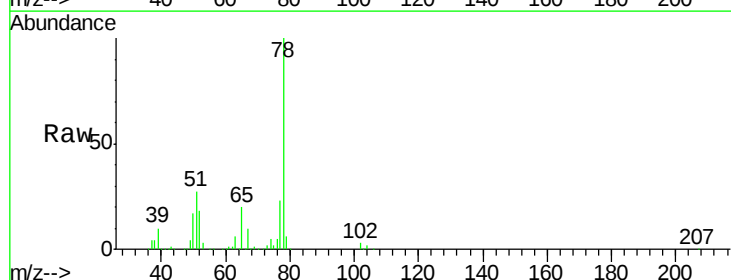
Acq: 8 Jul 2020 11:26

Tgt Ion: 78 Resp: 514215

Ion Ratio Lower Upper

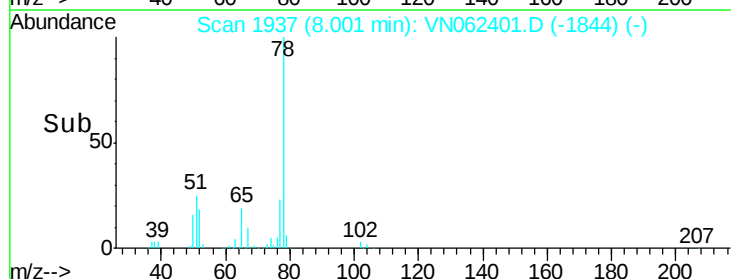
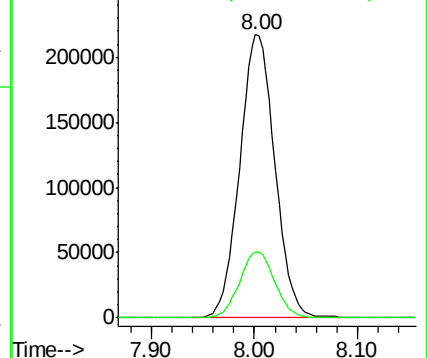
78 100

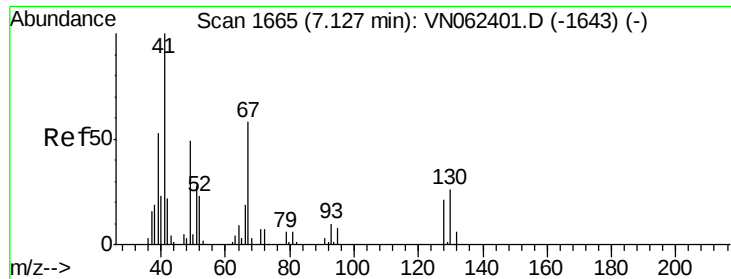
77 23.4 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN062401.D (-1918) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-1918) (-)

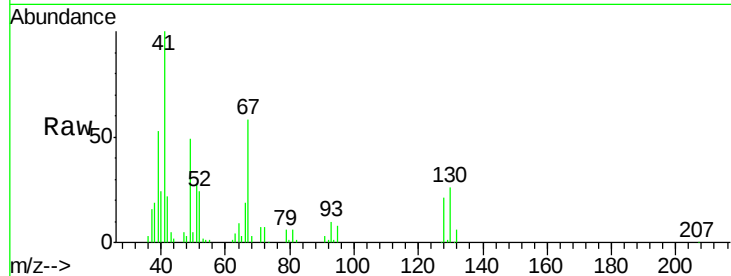




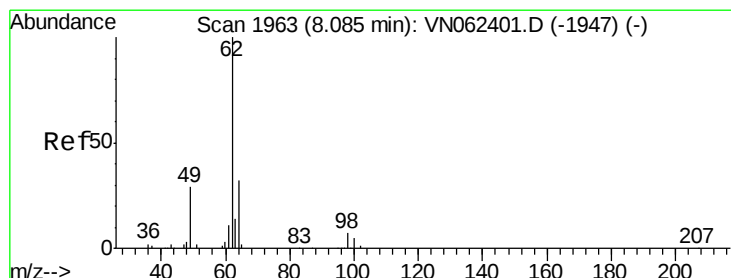
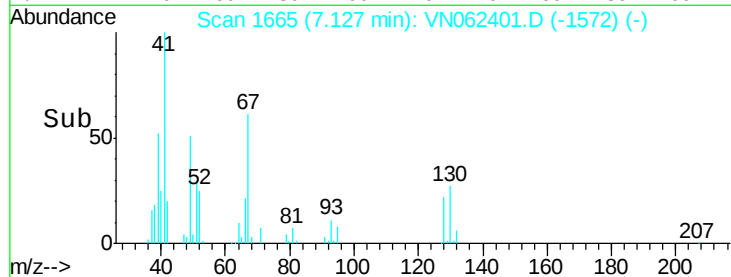
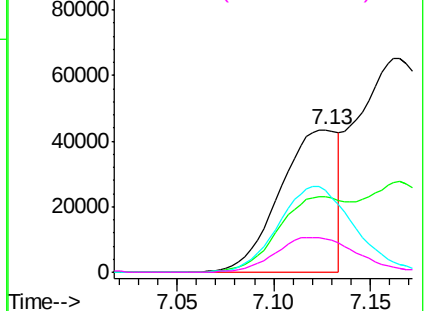
#41
Methacrylonitrile
Concen: 44.951 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	90469
Ion	Ratio	Lower	Upper
41	100		
39	62.7	50.2	75.2
67	80.2	64.2	96.2
52	35.0	28.0	42.0

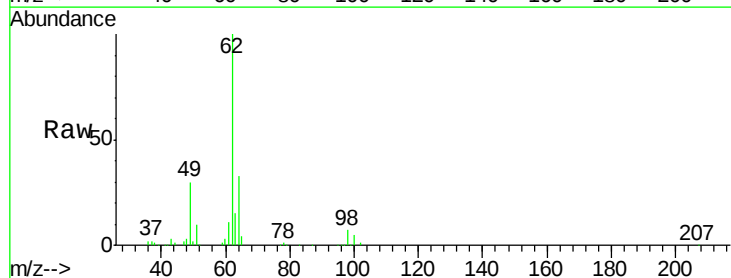


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

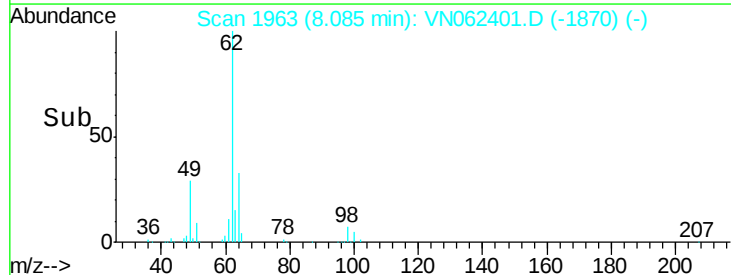
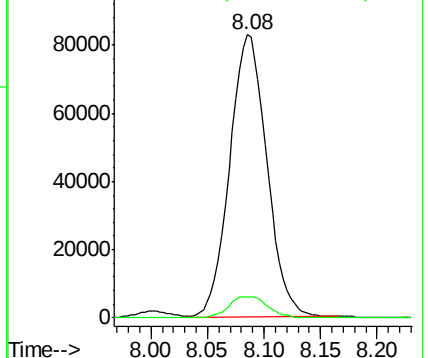


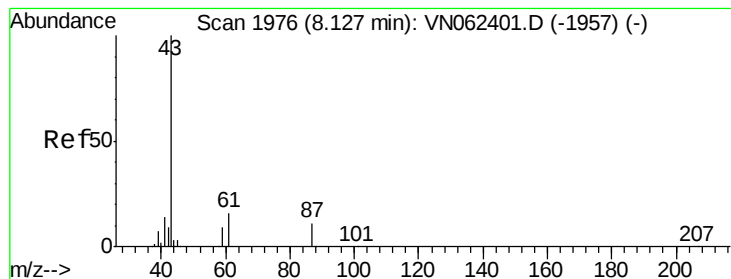
#42
1,2-Dichloroethane
Concen: 44.758 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion:	62	Resp:	189858
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.827 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

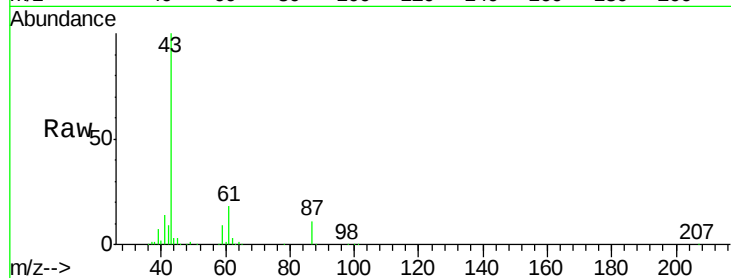
Tgt Ion: 43 Resp: 329568

Ion Ratio Lower Upper

43 100

61 24.1 19.3 28.9

87 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1957) (-)

8.13

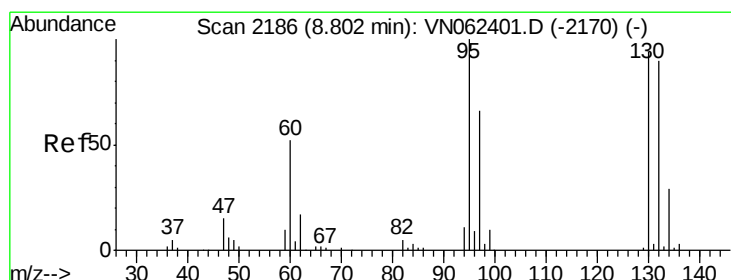
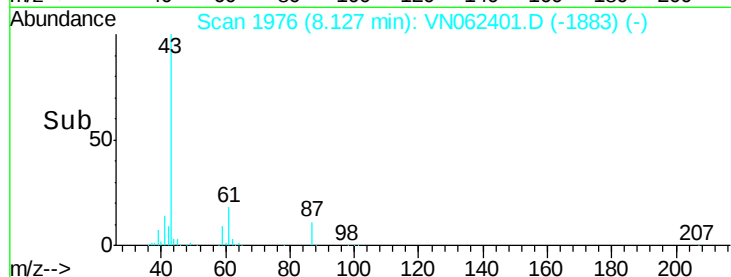
150000

100000

50000

0

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 48.559 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062401.D

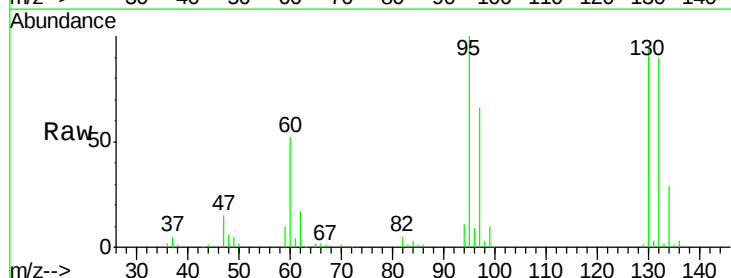
Acq: 8 Jul 2020 11:26

Tgt Ion: 130 Resp: 113823

Ion Ratio Lower Upper

130 100

95 106.9 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062401.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062401.D (-2170) (-)

8.80

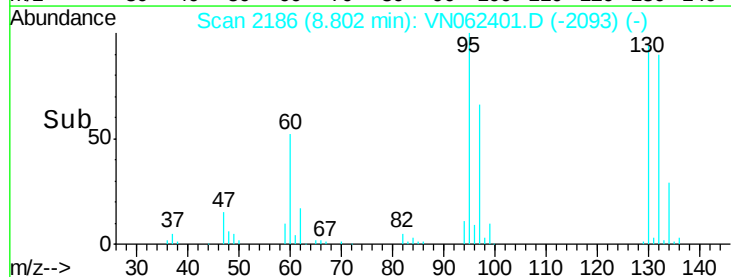
60000

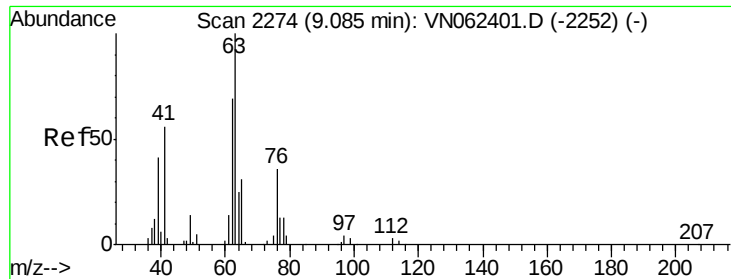
40000

20000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 51.741 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

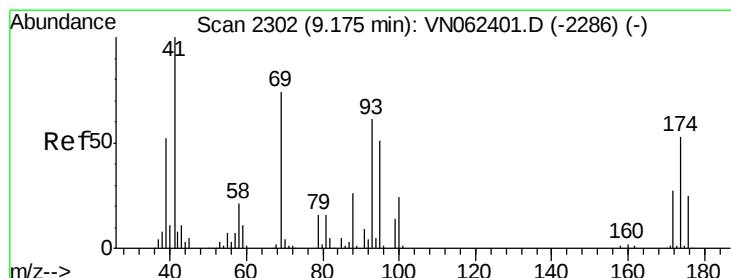
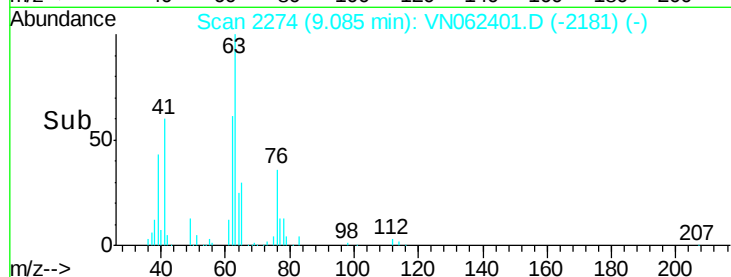
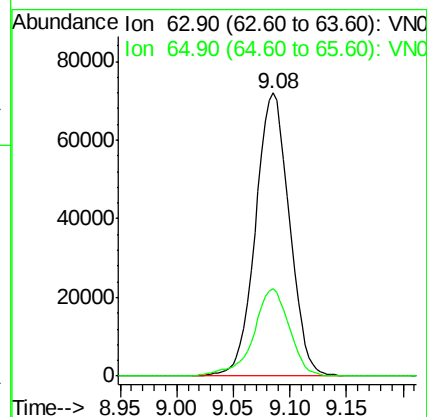
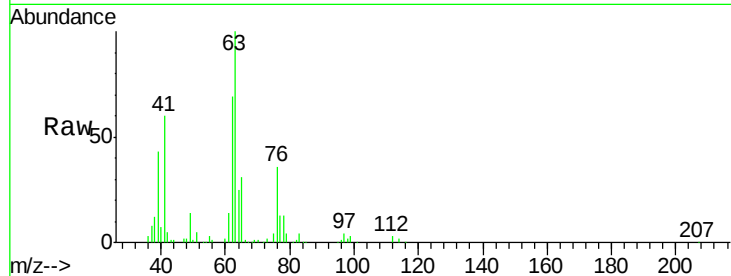
VSTDICCC050

Tgt Ion: 63 Resp: 149862

Ion Ratio Lower Upper

63 100

65 30.7 24.6 36.8



#46

Dibromomethane

Concen: 47.822 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

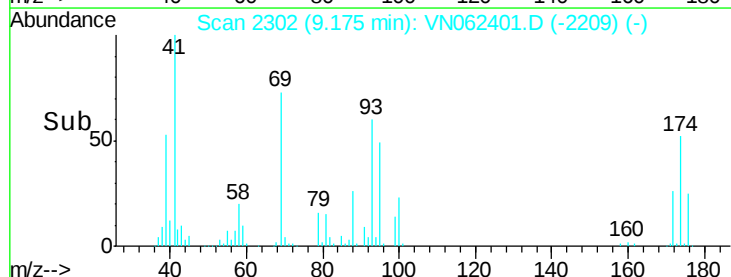
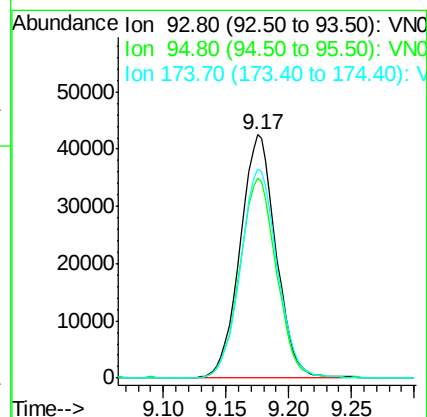
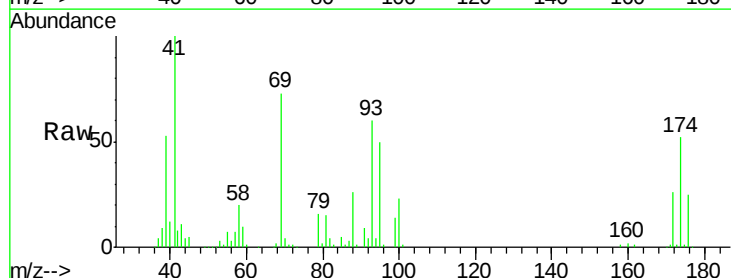
Tgt Ion: 93 Resp: 84541

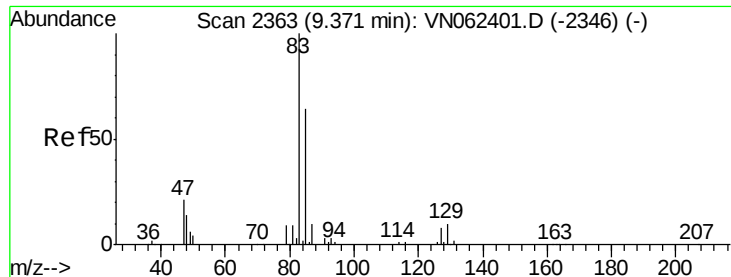
Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

174 88.0 70.4 105.6





#47

Bromodichloromethane

Concen: 48.636 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

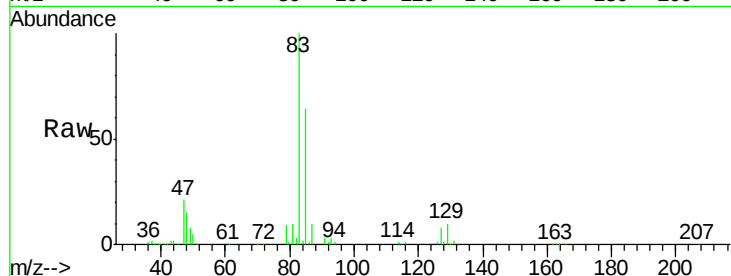
Tgt Ion: 83 Resp: 183414

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

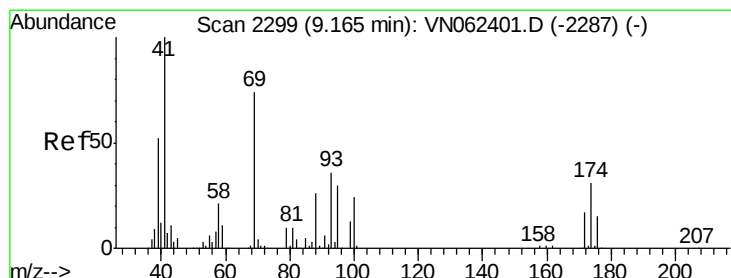
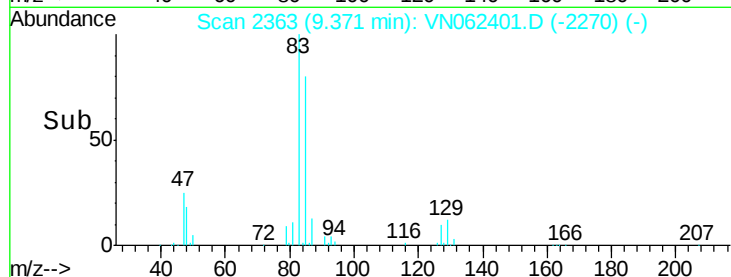
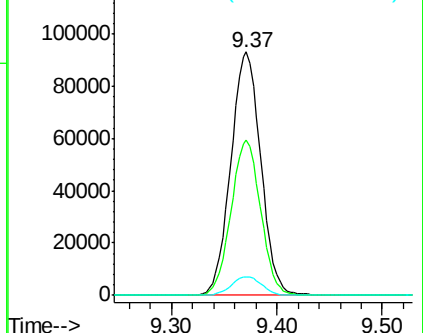
127 7.7 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN062401.D (-2346) (-)



#48

Methyl methacrylate

Concen: 46.809 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

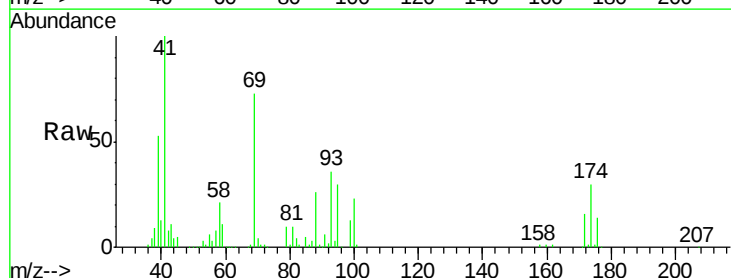
Tgt Ion: 41 Resp: 160582

Ion Ratio Lower Upper

41 100

69 76.0 60.8 91.2

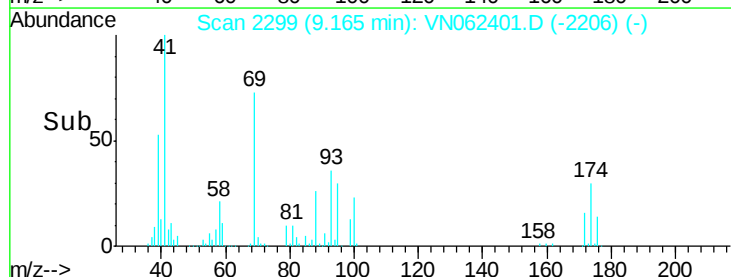
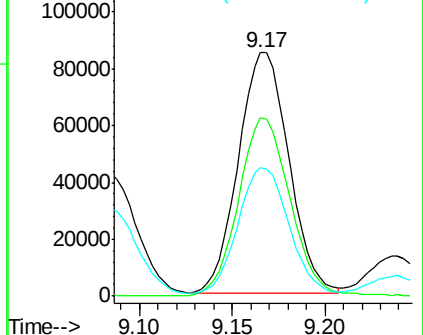
39 54.4 43.5 65.3

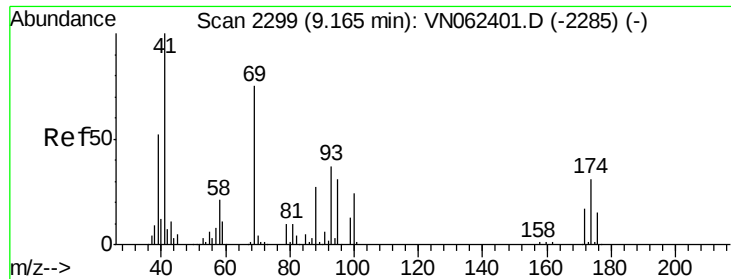


Abundance Ion 41.00 (40.70 to 41.70): VN062401.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN062401.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN062401.D (-2287) (-)

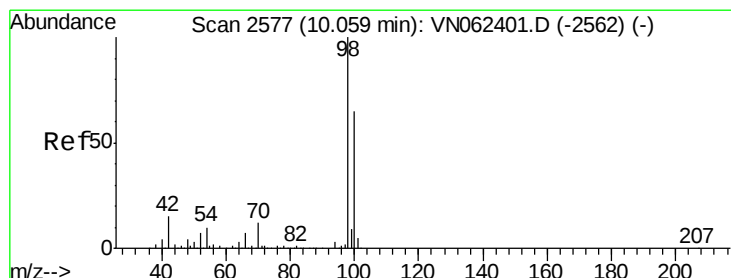
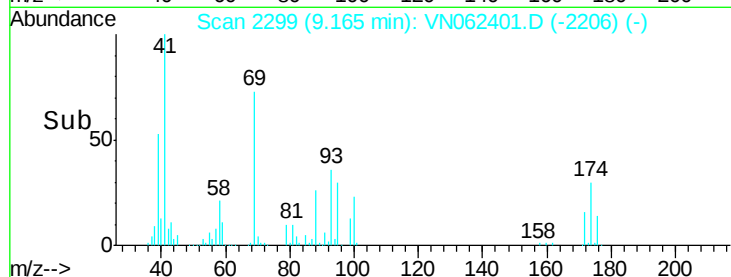
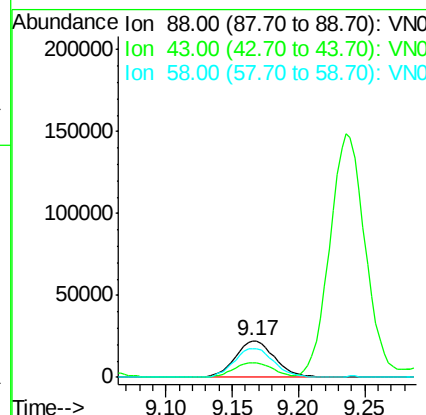
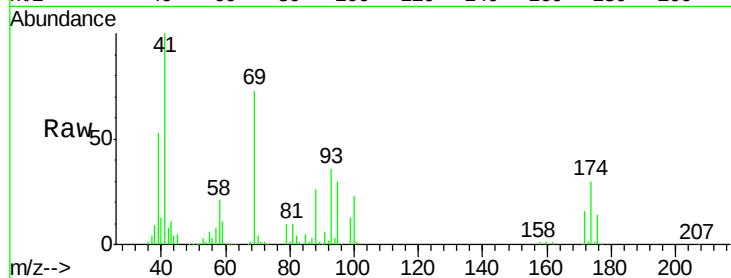




#49
 1,4-Dioxane
 Concen: 983.059 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

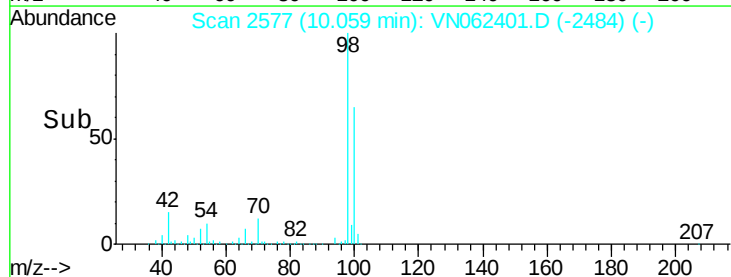
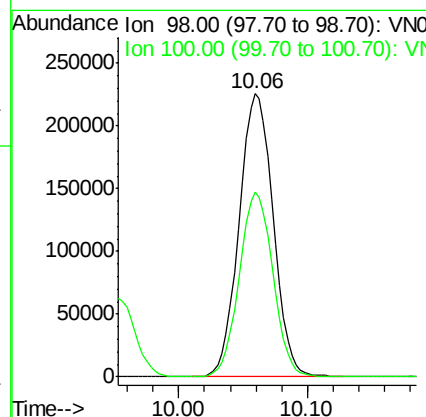
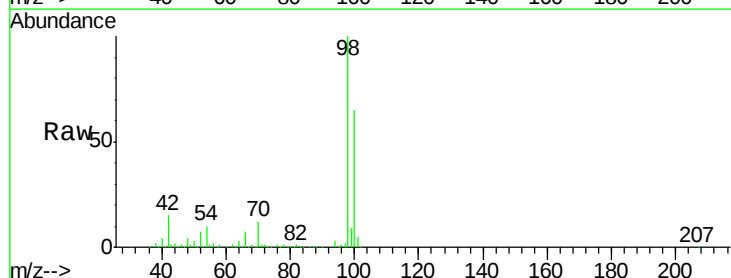
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

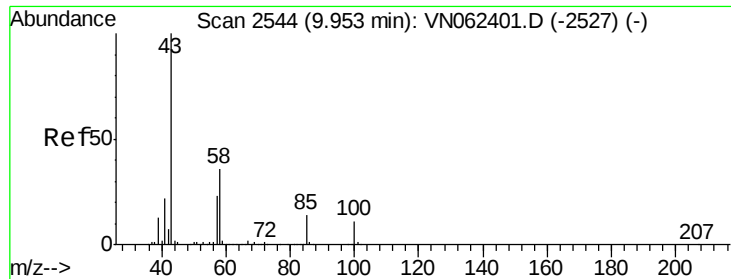
Tgt Ion: 88 Resp: 46338
 Ion Ratio Lower Upper
 88 100
 43 38.7 31.0 46.4
 58 79.1 63.3 94.9



#50
 Toluene-d8
 Concen: 50.423 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 98 Resp: 415484
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.5 77.3

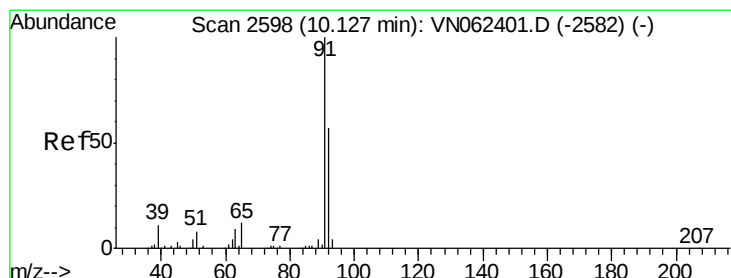
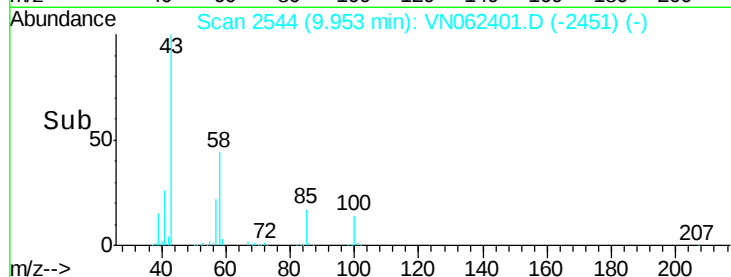
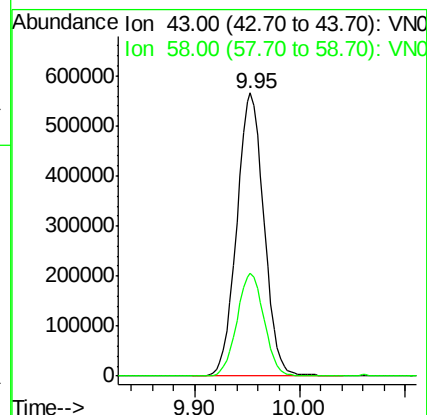
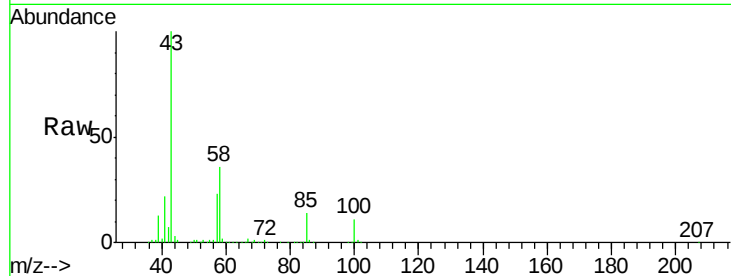




#51
 4-Methyl-2-Pentanone
 Concen: 276.688 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

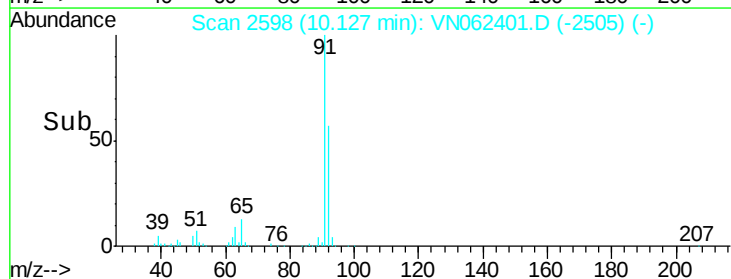
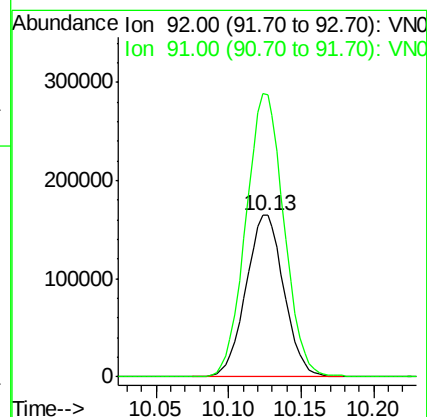
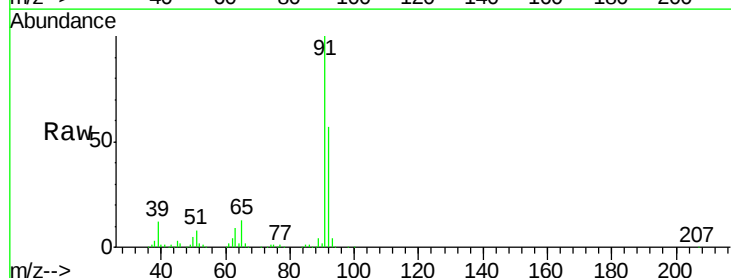
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

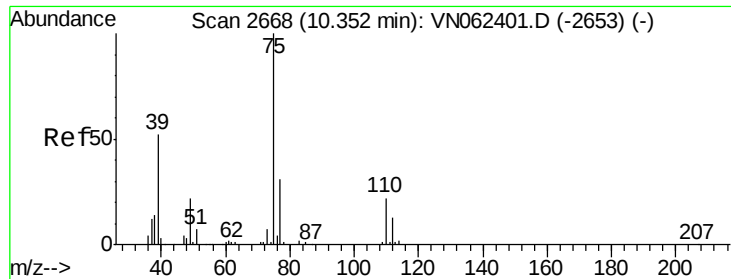
Tgt Ion: 43 Resp: 1007176
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6



#52
 Toluene
 Concen: 51.185 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 92 Resp: 299615
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 51.311 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampled :

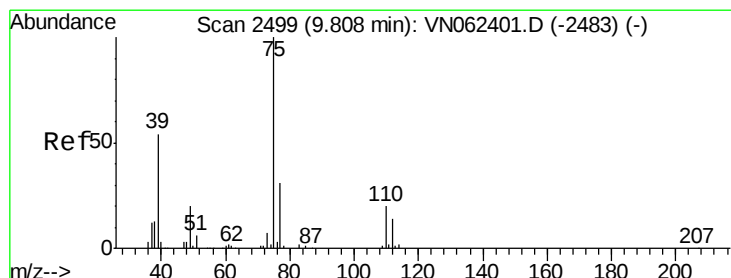
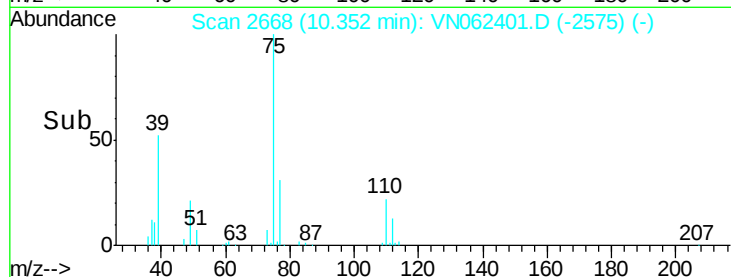
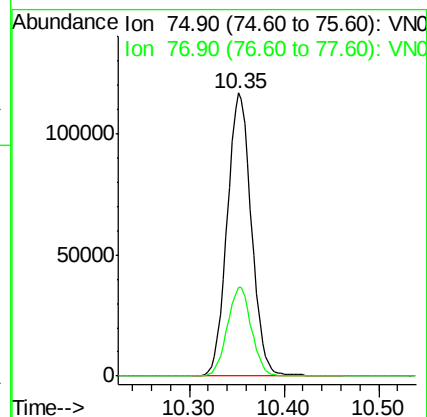
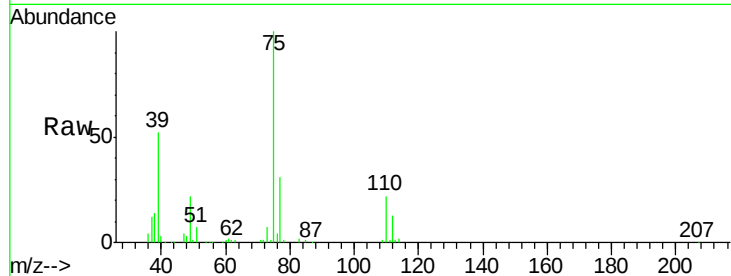
VSTDICCC050

Tgt Ion: 75 Resp: 208339

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 51.811 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

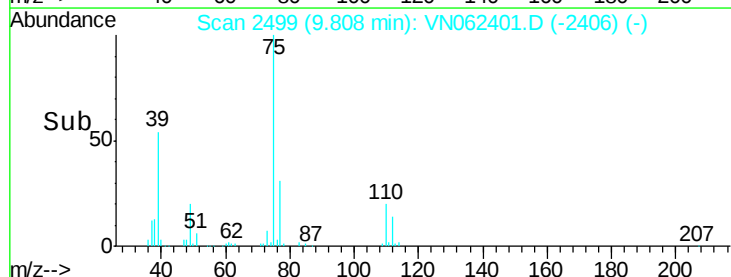
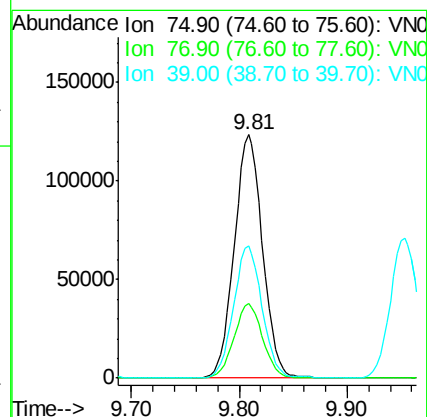
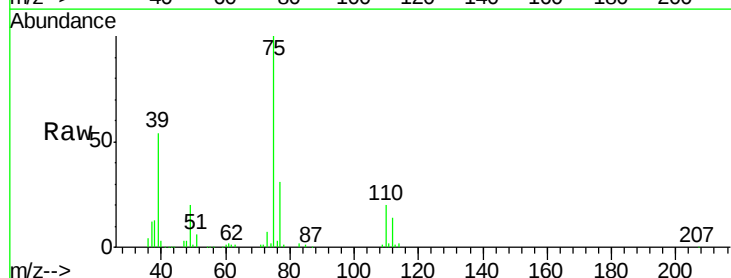
Tgt Ion: 75 Resp: 226425

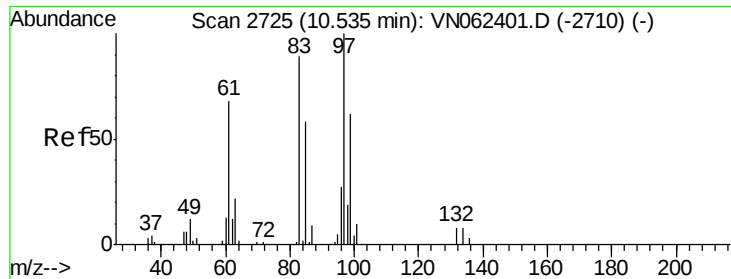
Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7

39 54.2 43.4 65.0

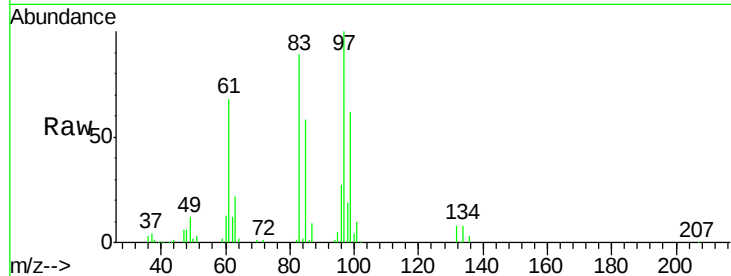




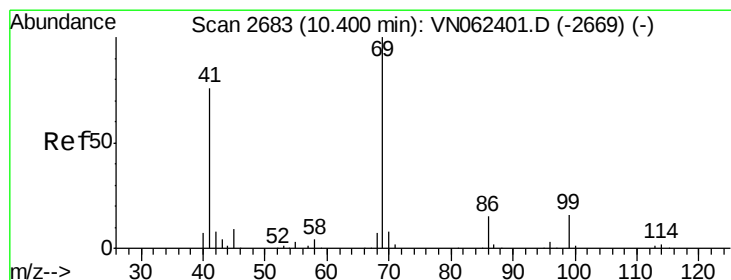
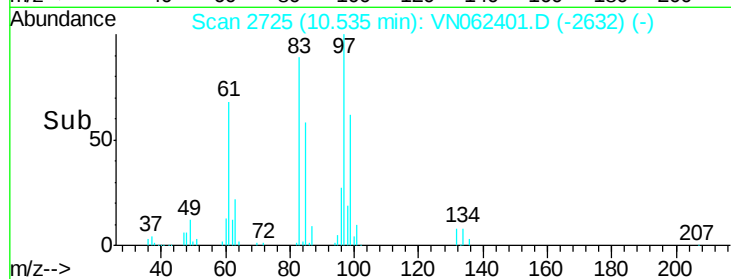
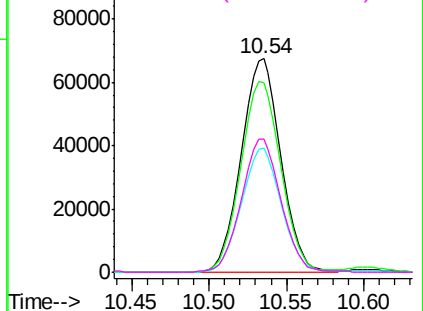
#55
 1,1,2-Trichloroethane
 Concen: 50.993 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion:	97	Resp:	120318
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	57.8	46.2	69.4
99	62.1	49.7	74.5

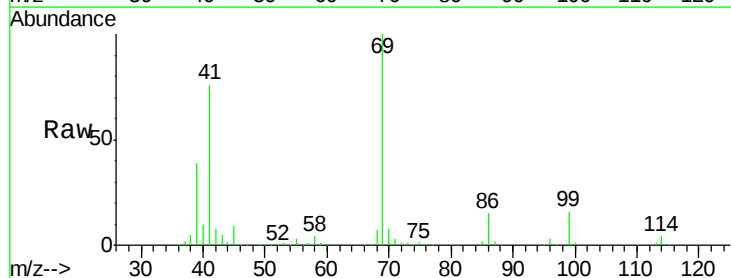


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

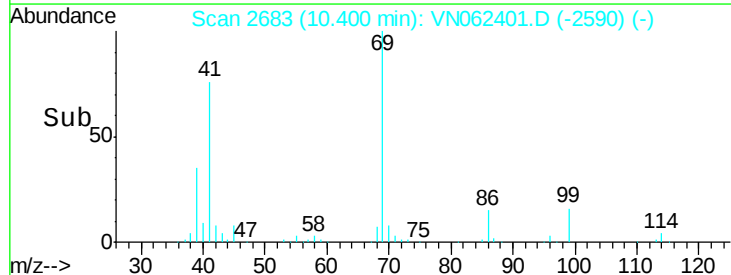
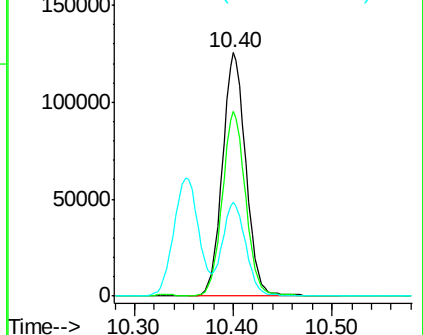


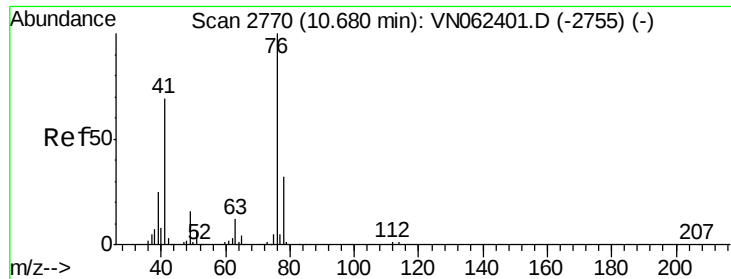
#56
 Ethyl methacrylate
 Concen: 54.963 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:	69	Resp:	209334
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.7	89.5
39	38.2	30.6	45.8



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





#57

1,3-Dichloropropane

Concen: 50.426 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

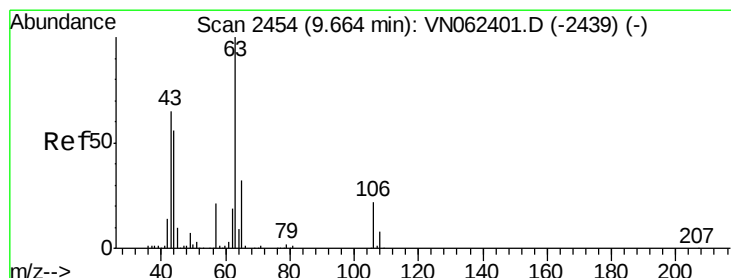
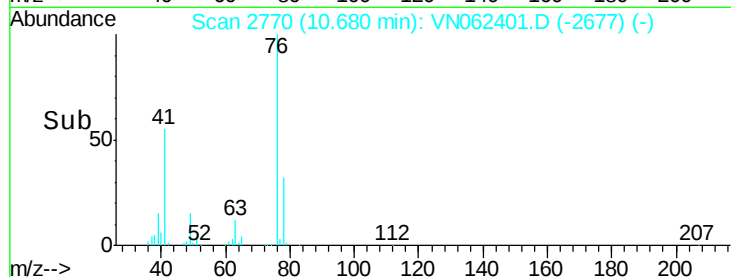
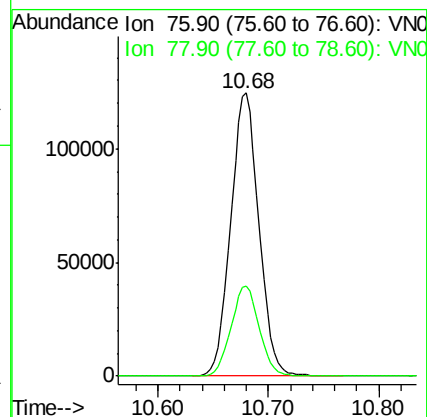
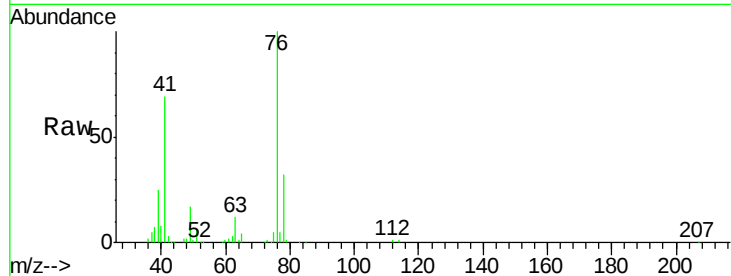
VSTDICCC050

Tgt Ion: 76 Resp: 220138

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 265.002 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062401.D

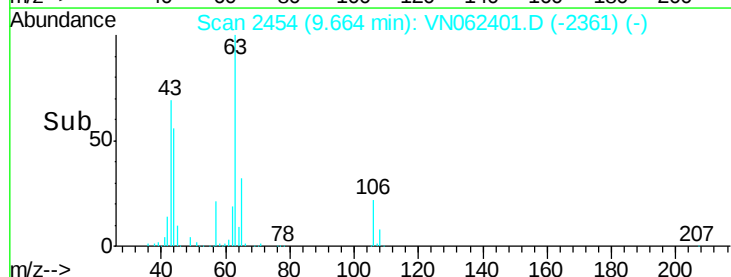
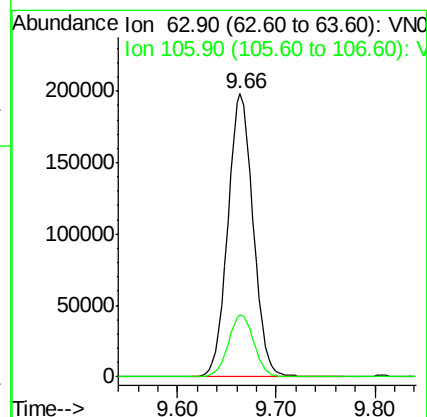
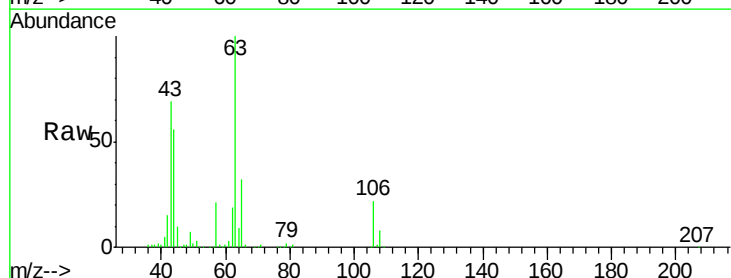
Acq: 8 Jul 2020 11:26

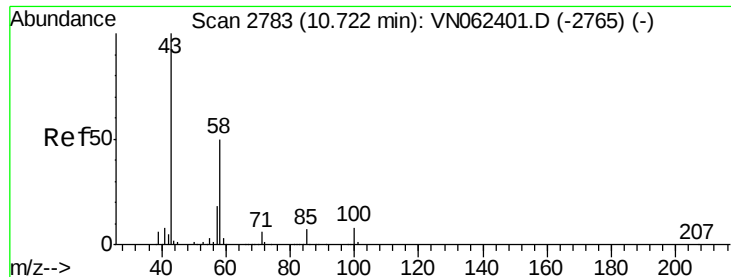
Tgt Ion: 63 Resp: 357195

Ion Ratio Lower Upper

63 100

106 22.0 17.6 26.4

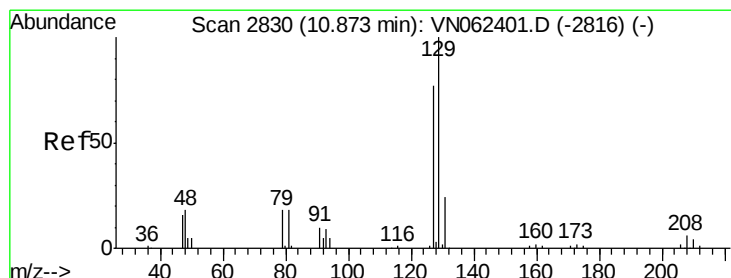
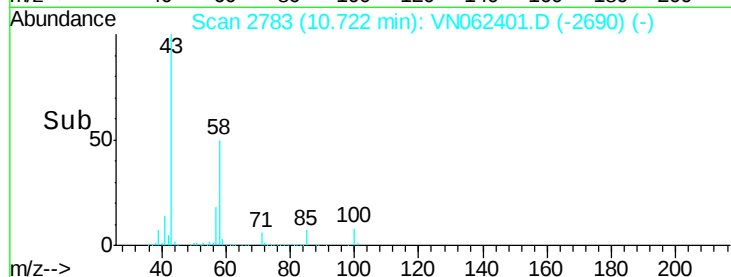
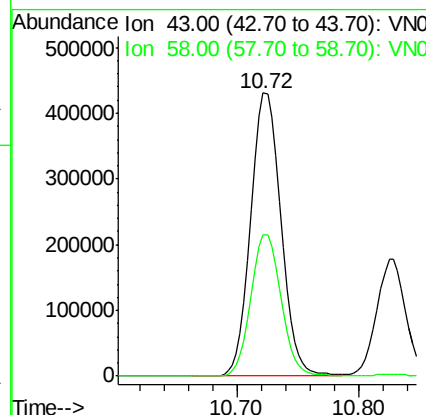
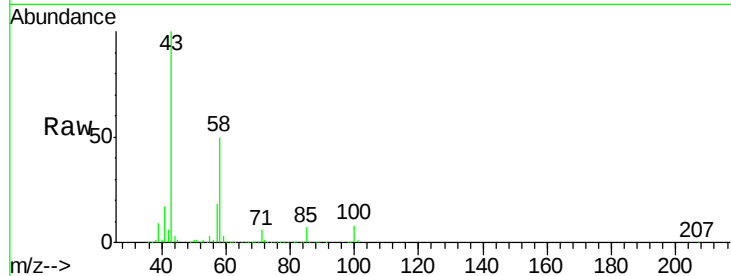




#59
2-Hexanone
Concen: 268.867 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

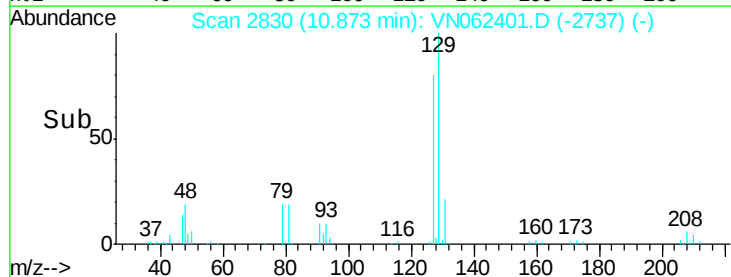
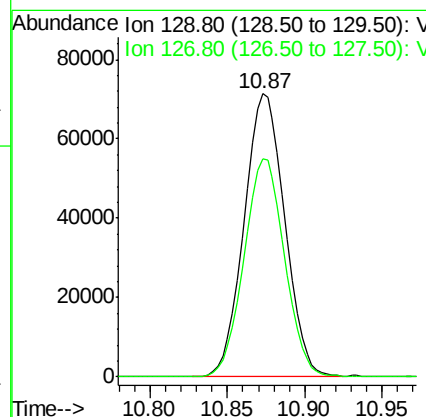
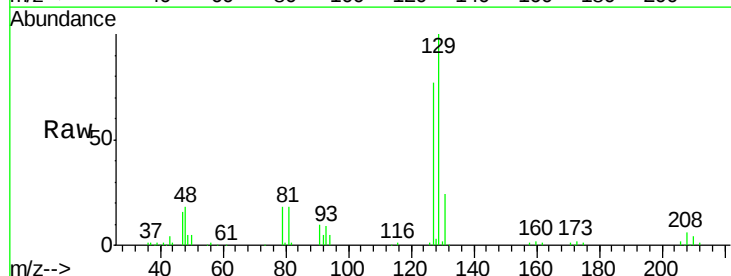
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

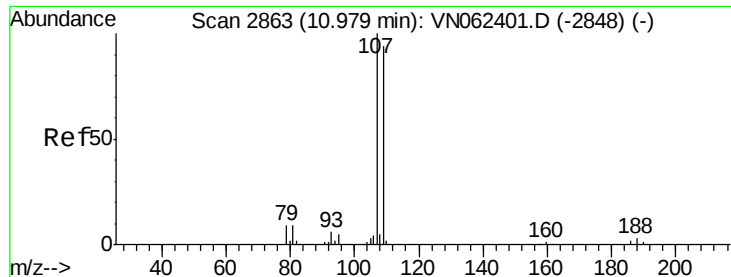
Tgt Ion: 43 Resp: 734887
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2



#60
Dibromochloromethane
Concen: 49.075 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 129 Resp: 130450
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

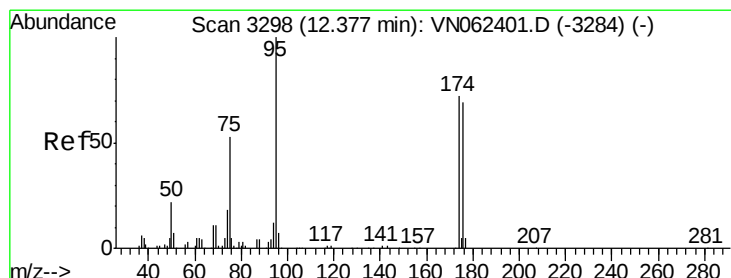
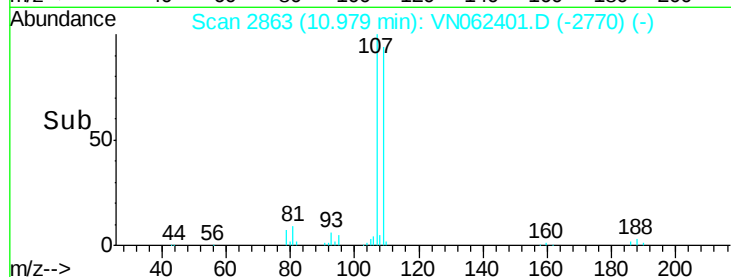
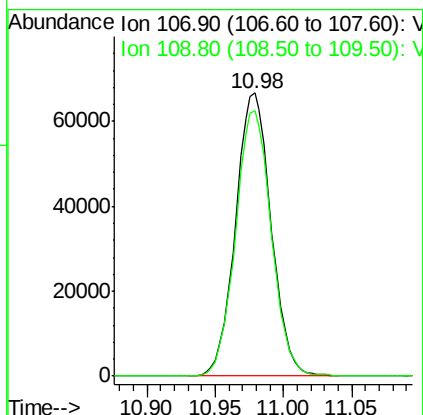
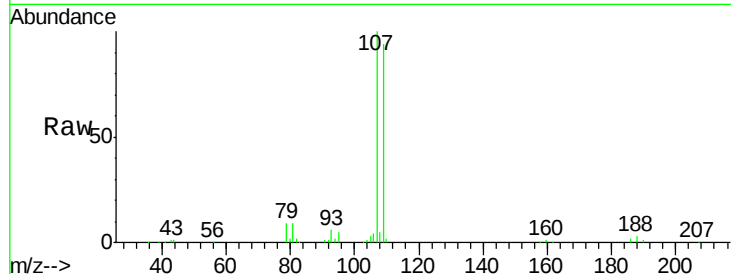




#61
 1,2-Dibromoethane
 Concen: 49.929 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

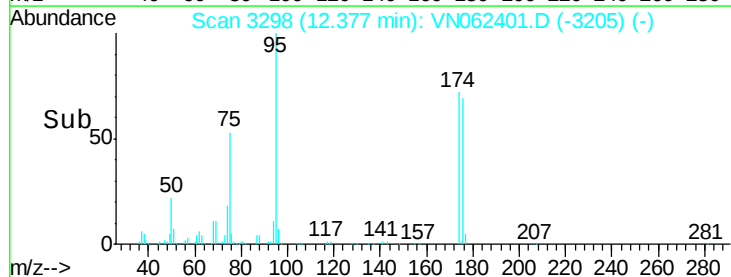
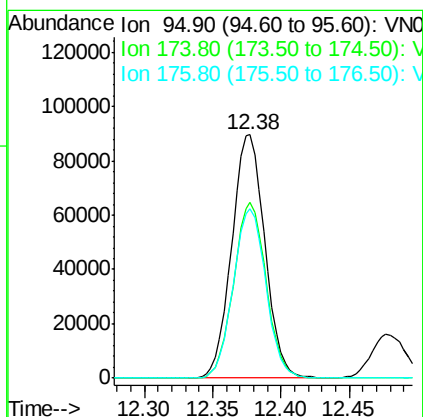
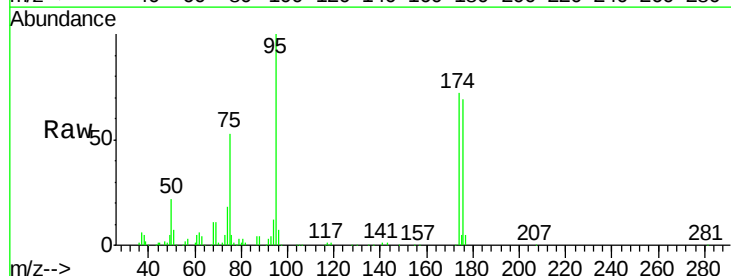
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

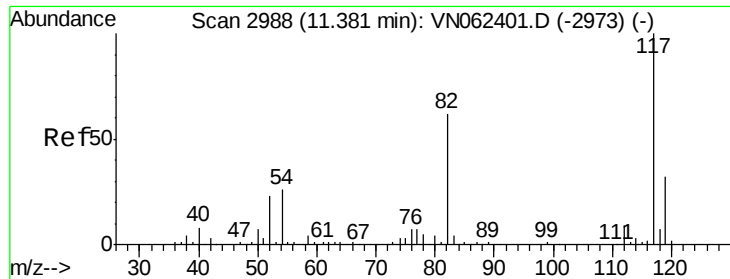
Tgt Ion: 107 Resp: 120369
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.166 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 95 Resp: 151111
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 141.6
 176 68.6 0.0 137.2

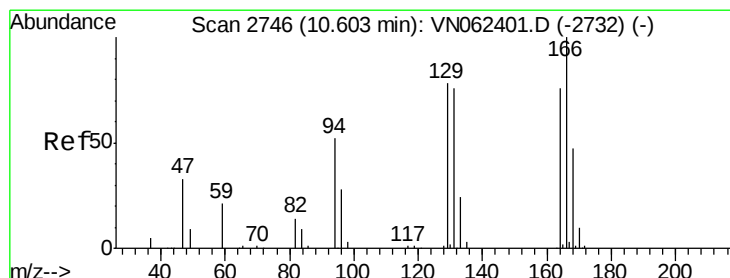
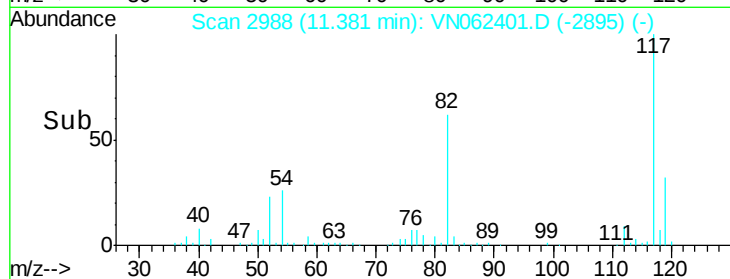
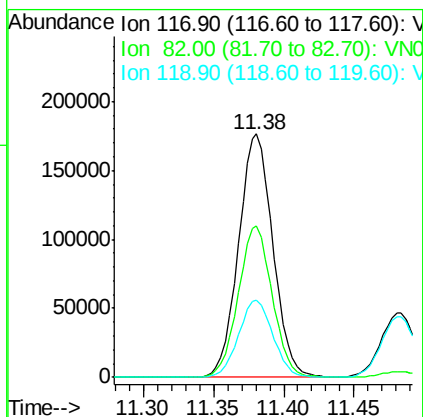
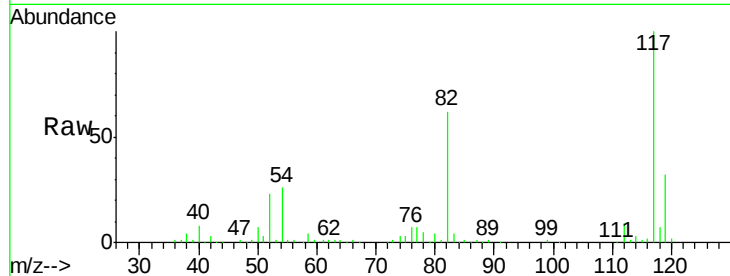




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

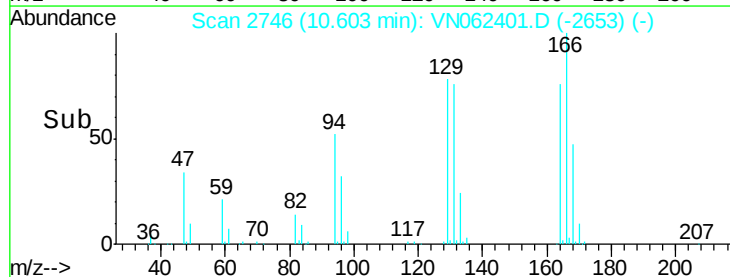
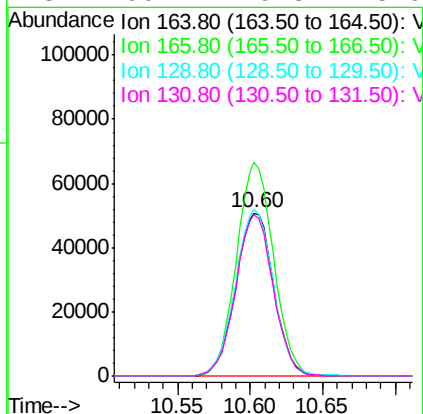
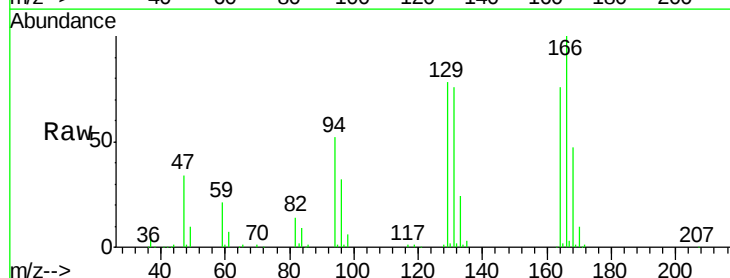
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

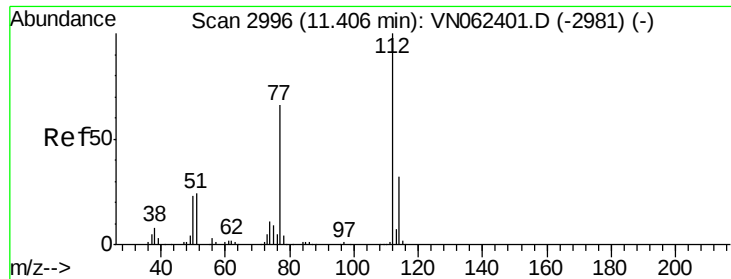
Tgt Ion:117 Resp: 301299
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 47.335 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion:164 Resp: 91962
Ion Ratio Lower Upper
164 100
166 131.1 104.9 157.3
129 102.2 81.8 122.6
131 99.1 79.3 118.9





#65

Chlorobenzene

Concen: 50.080 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

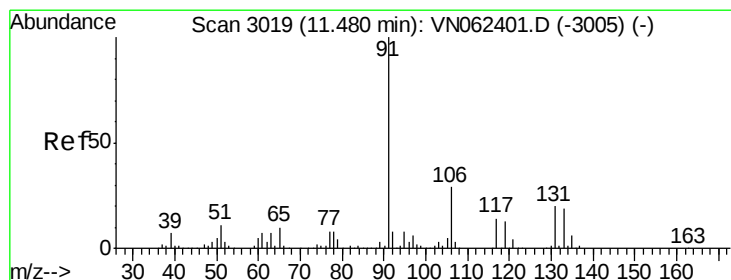
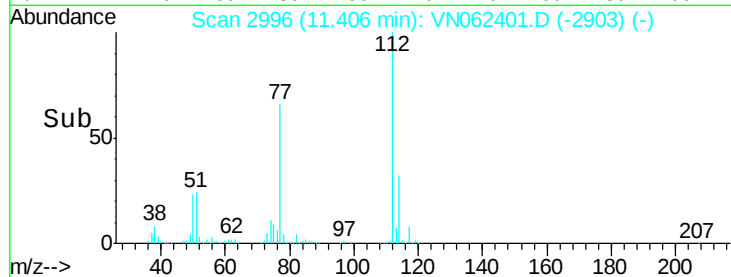
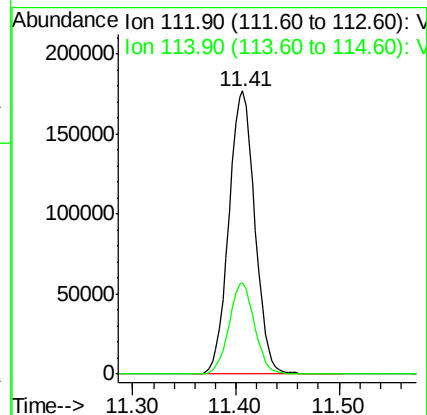
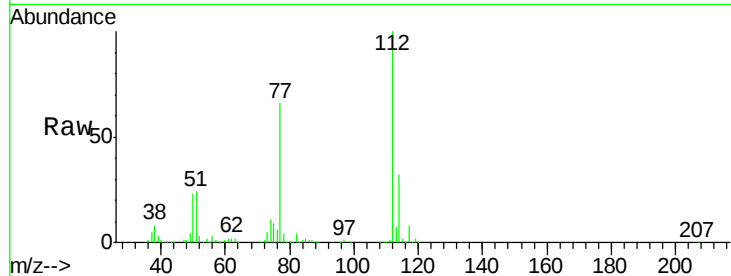
VSTDICCC050

Tgt Ion:112 Resp: 310855

Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 49.904 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

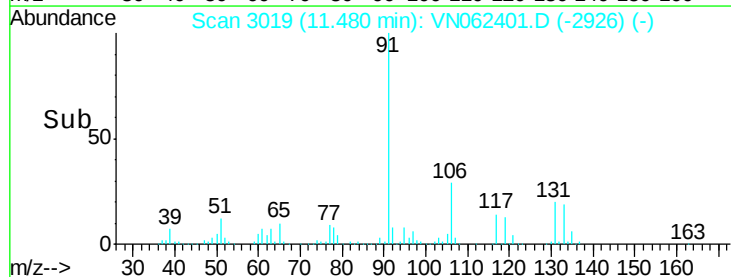
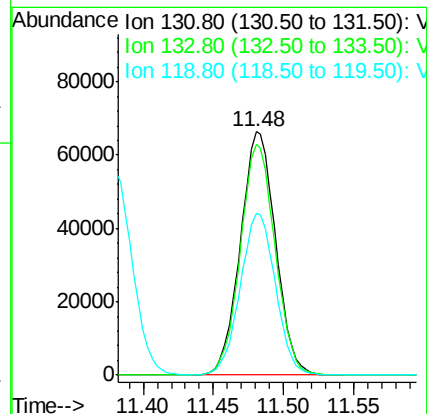
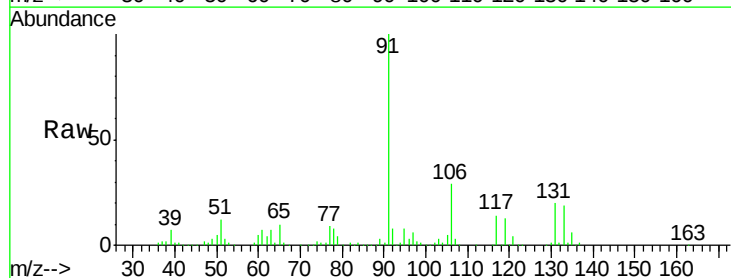
Tgt Ion:131 Resp: 116215

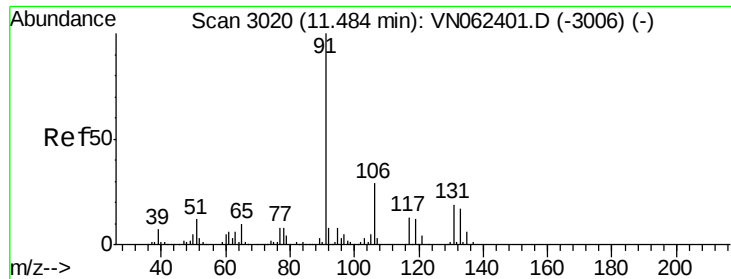
Ion Ratio Lower Upper

131 100

133 93.9 46.9 140.8

119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 53.907 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampled :

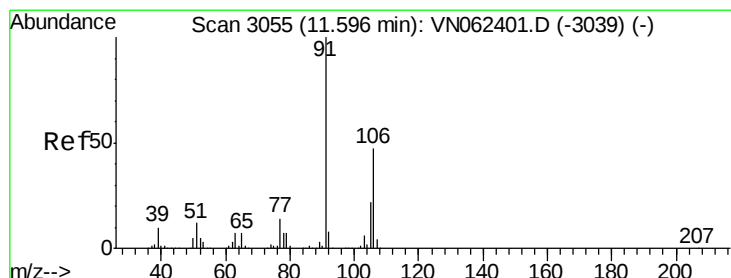
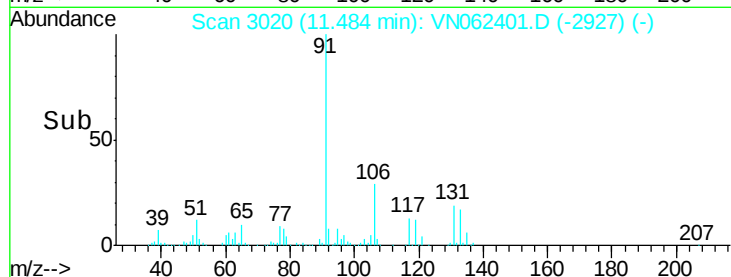
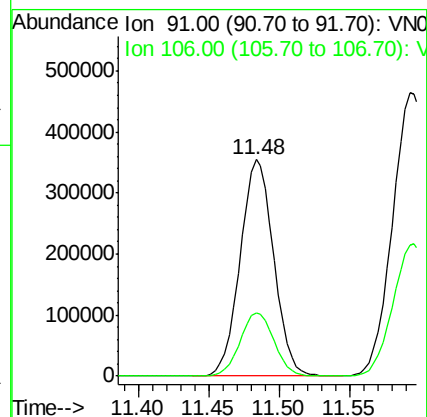
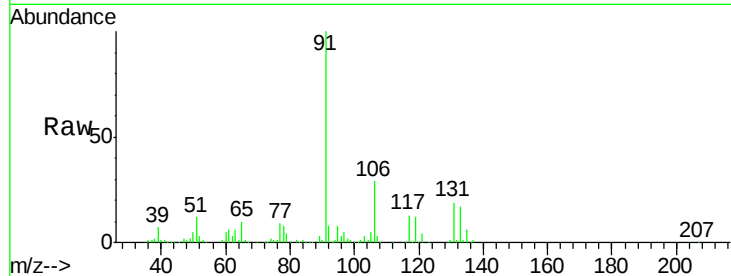
VSTDICCC050

Tgt Ion: 91 Resp: 591996

Ion Ratio Lower Upper

91 100

106 29.3 23.4 35.2



#68

m/p-Xylenes

Concen: 104.864 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062401.D

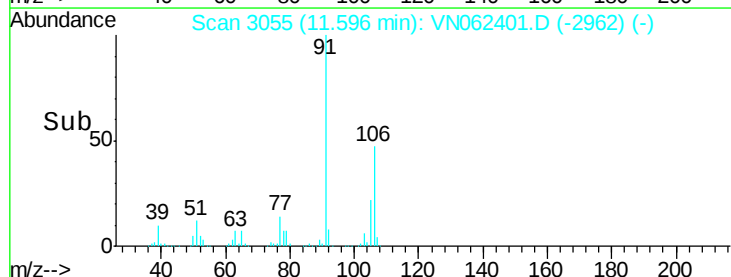
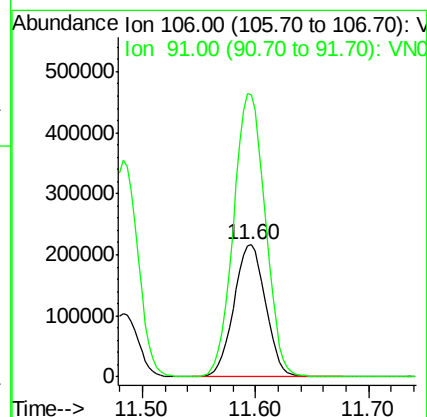
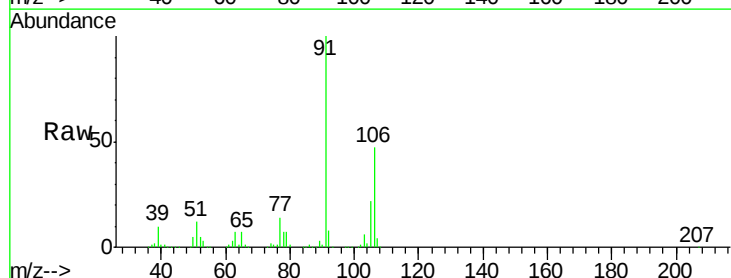
Acq: 8 Jul 2020 11:26

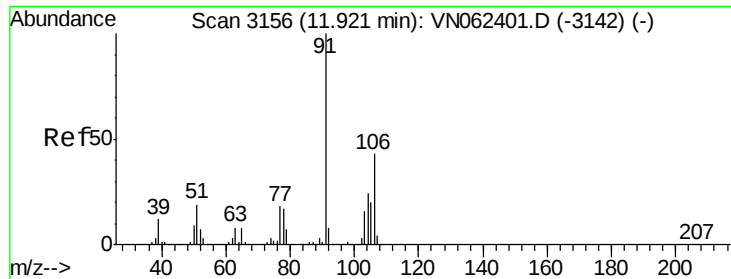
Tgt Ion: 106 Resp: 421028

Ion Ratio Lower Upper

106 100

91 215.5 172.4 258.6

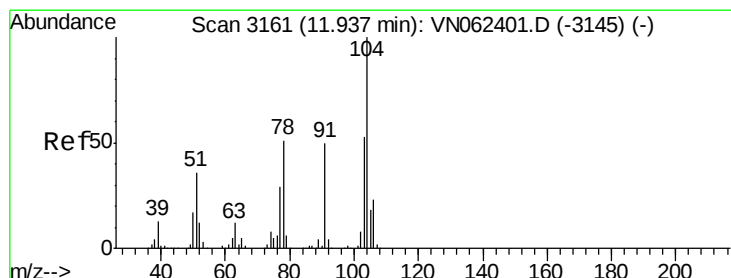
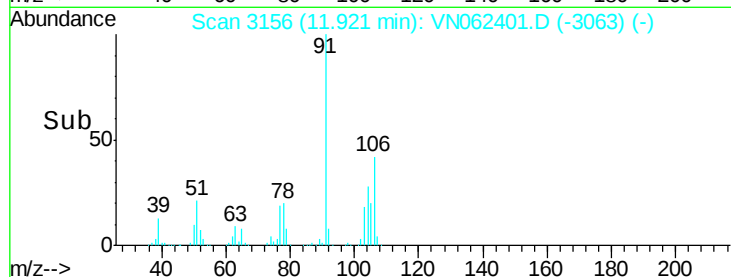
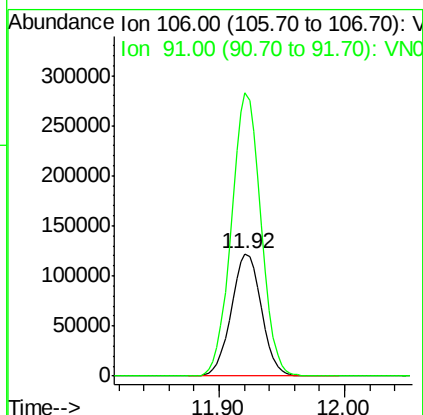
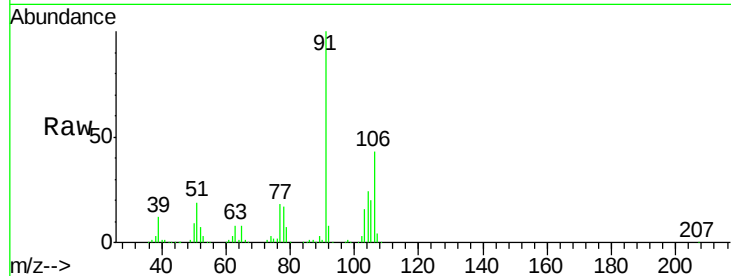




#69
o-Xylene
Concen: 51.230 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

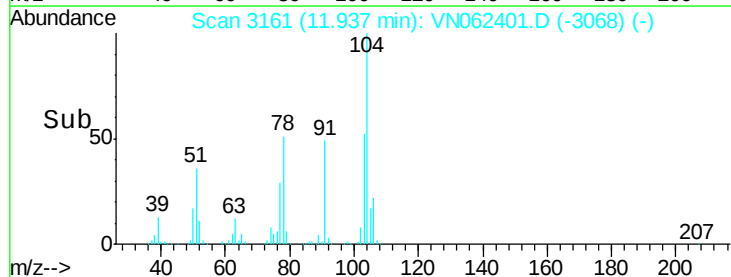
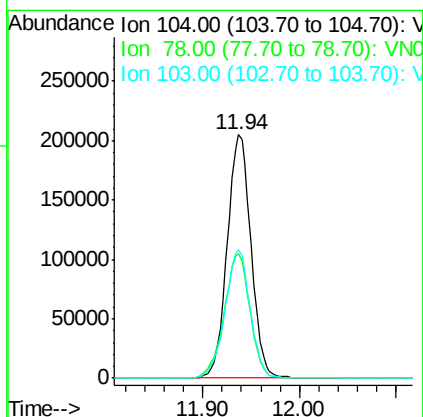
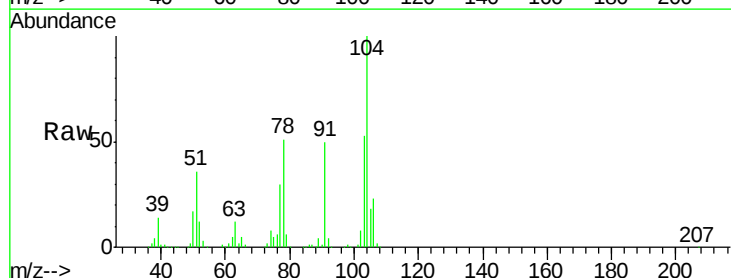
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

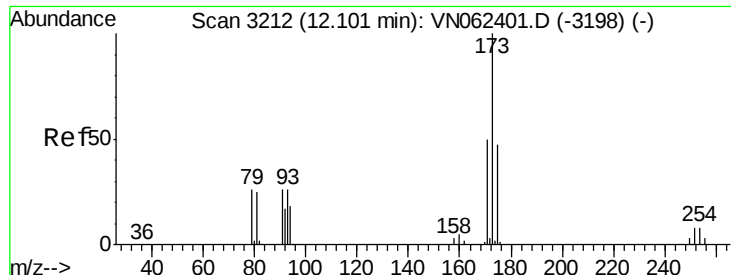
Tgt Ion:106 Resp: 202892
Ion Ratio Lower Upper
106 100
91 227.6 113.8 341.4



#70
Styrene
Concen: 53.538 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion:104 Resp: 350422
Ion Ratio Lower Upper
104 100
78 55.3 44.2 66.4
103 55.5 44.4 66.6





#71

Bromoform

Concen: 49.001 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

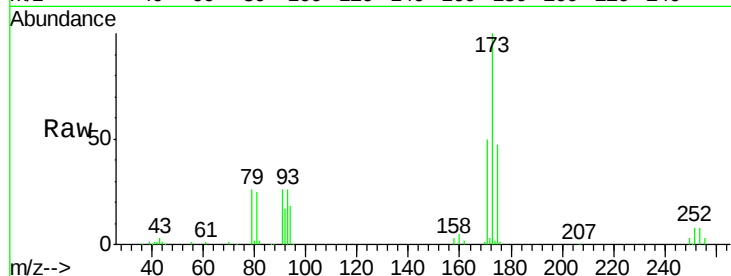
Tgt Ion:173 Resp: 89017

Ion Ratio Lower Upper

173 100

175 47.4 23.7 71.1

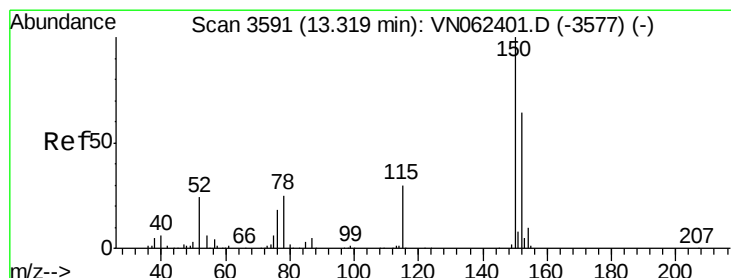
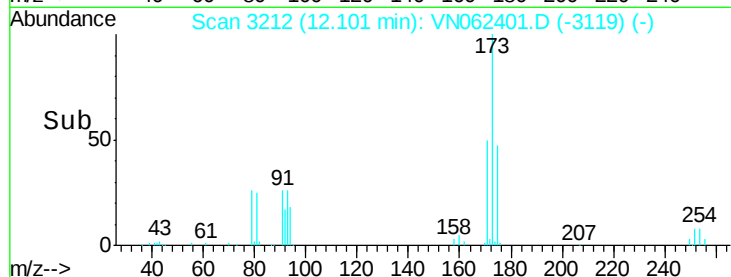
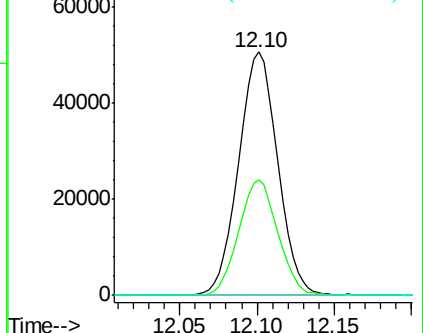
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

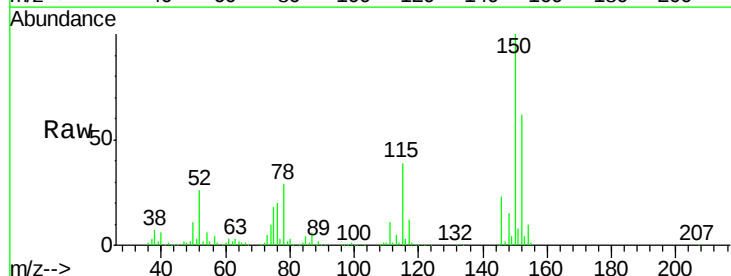
Tgt Ion:152 Resp: 137504

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.2

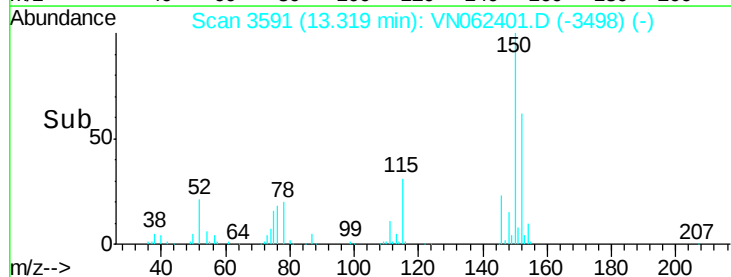
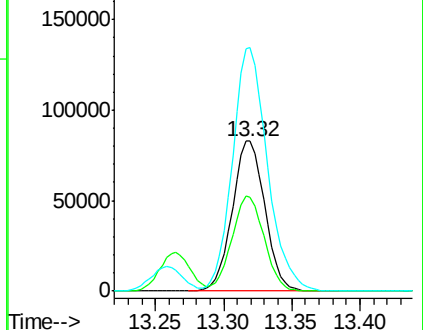
150 173.7 0.0 347.4

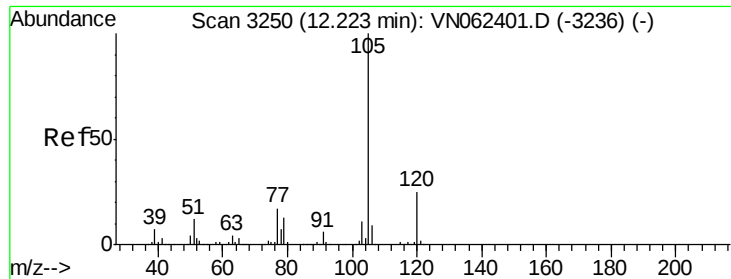


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.011 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

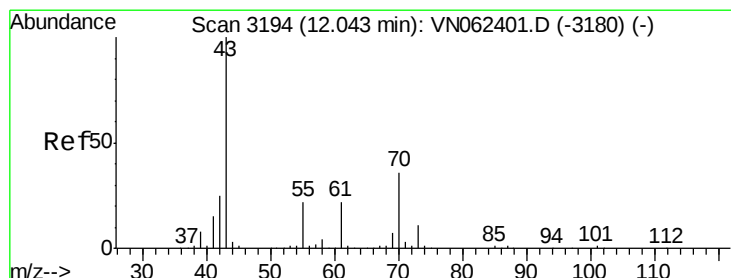
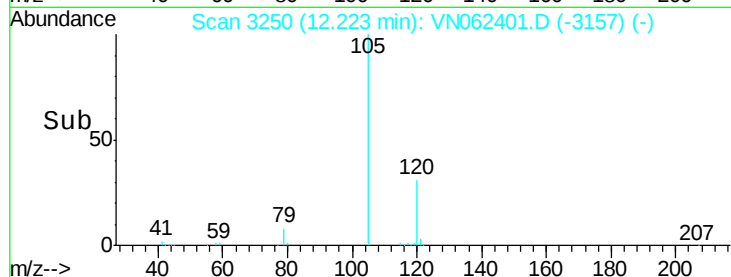
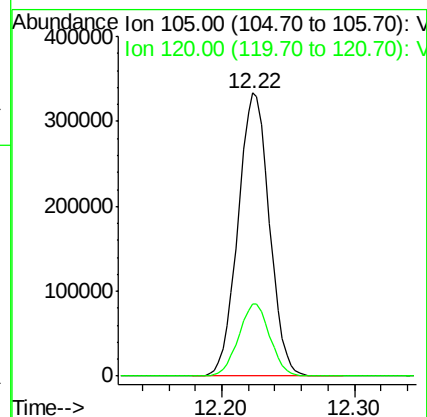
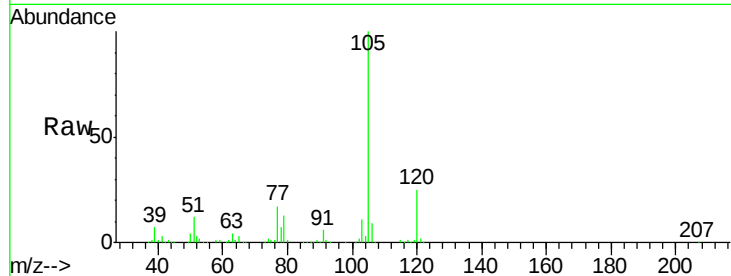
VSTDICCC050

Tgt Ion: 105 Resp: 546877

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.1



#74

N-ethyl acetate

Concen: 52.766 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Tgt Ion: 43 Resp: 288368

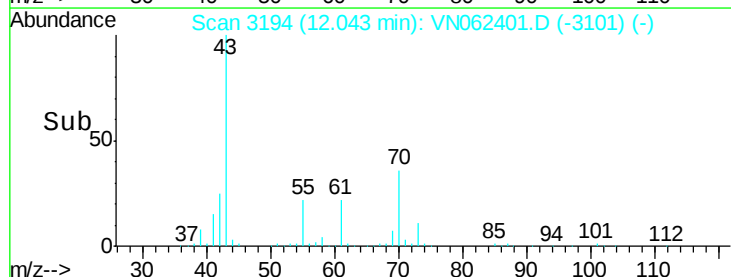
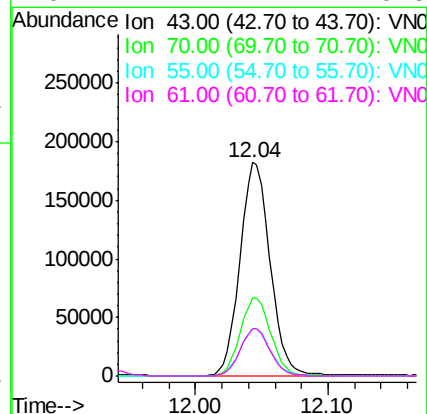
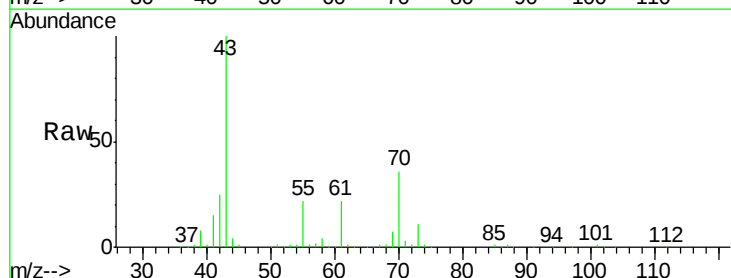
Ion Ratio Lower Upper

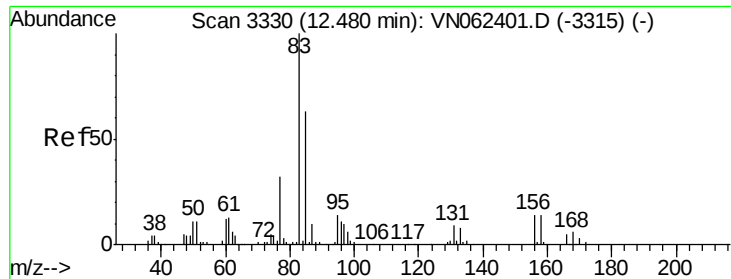
43 100

70 37.5 30.0 45.0

55 22.8 18.2 27.4

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.053 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

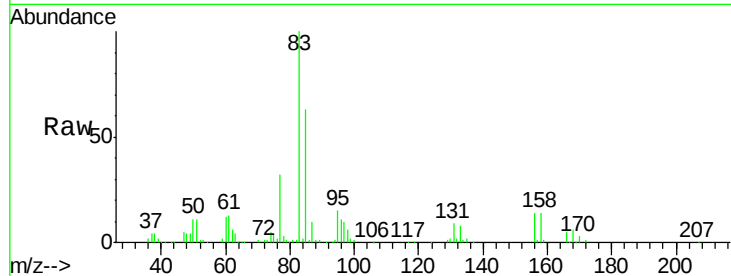
Tgt Ion: 83 Resp: 184500

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

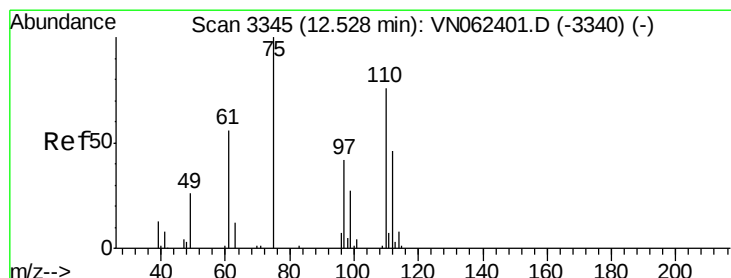
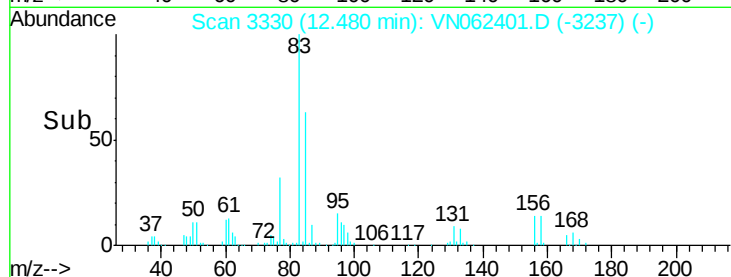
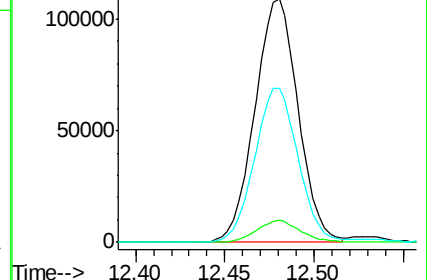
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN062401.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN062401.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN062401.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 73.592 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062401.D

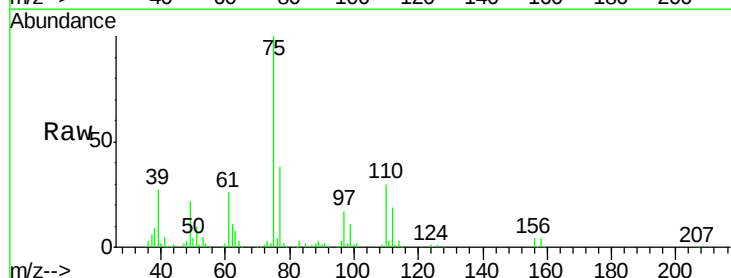
Acq: 8 Jul 2020 11:26

Tgt Ion: 75 Resp: 244577

Ion Ratio Lower Upper

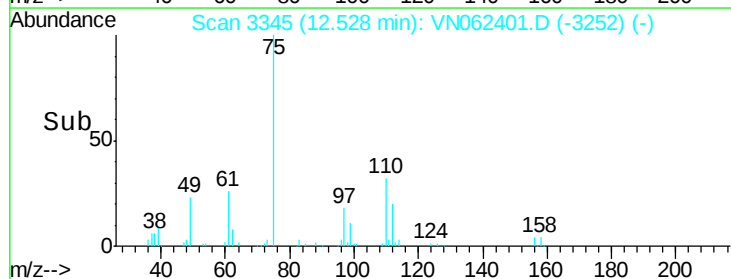
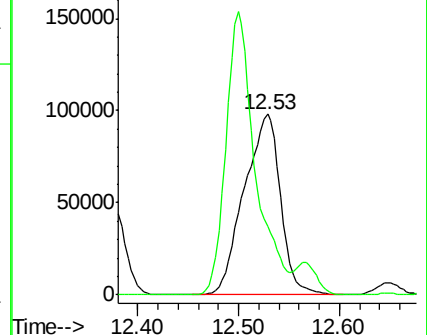
75 100

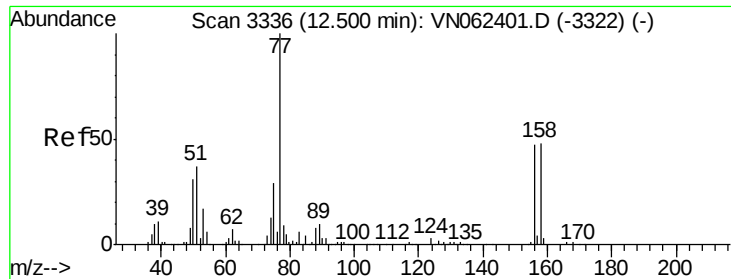
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-3340) (-)





#77

Bromobenzene

Concen: 50.977 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

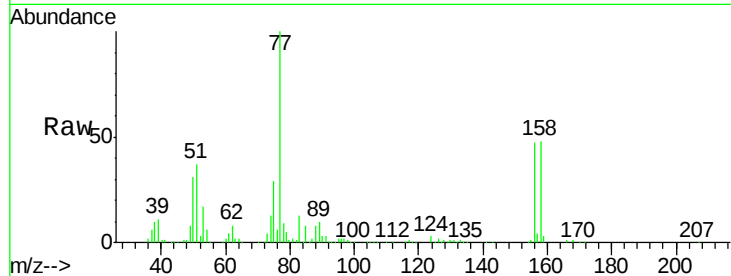
Tgt Ion:156 Resp: 123925

Ion Ratio Lower Upper

156 100

77 252.9 126.4 379.3

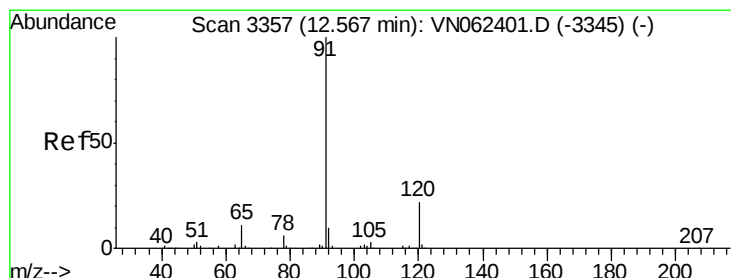
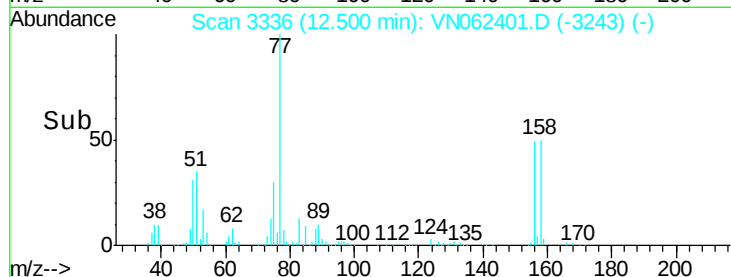
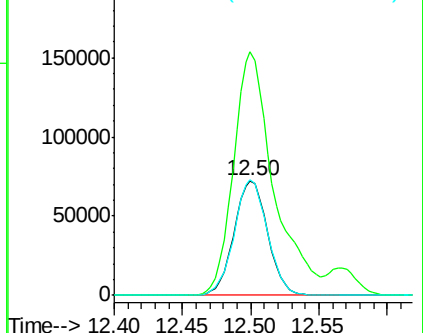
158 99.6 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.826 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062401.D

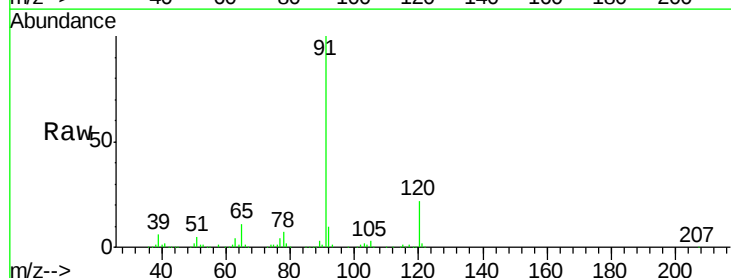
Acq: 8 Jul 2020 11:26

Tgt Ion: 91 Resp: 657435

Ion Ratio Lower Upper

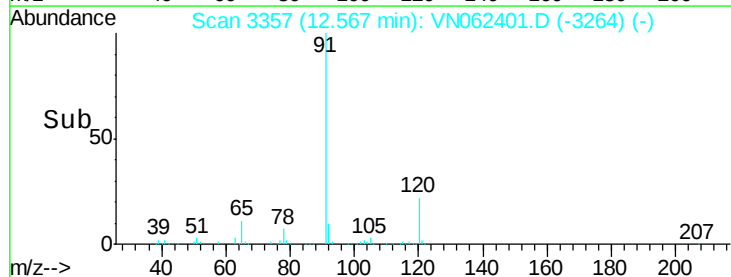
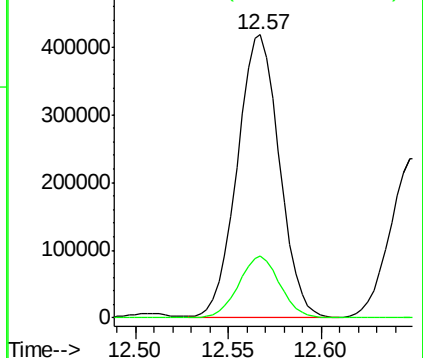
91 100

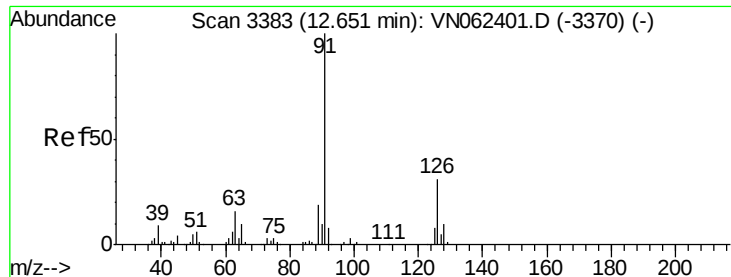
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

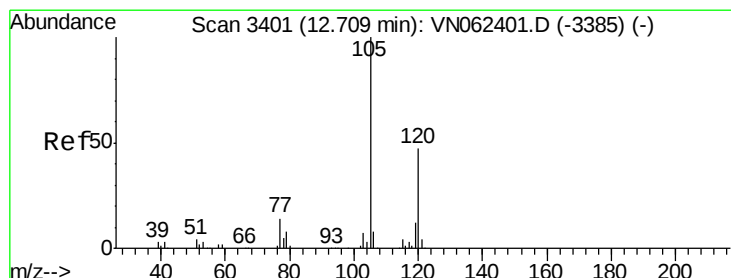
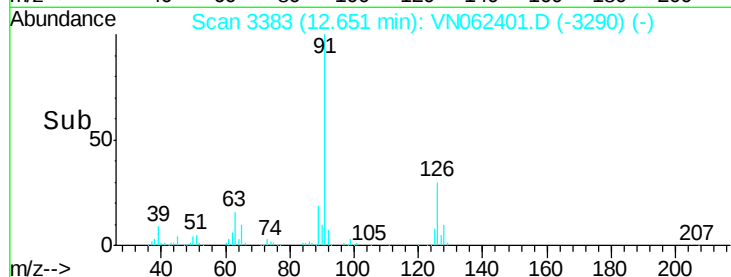
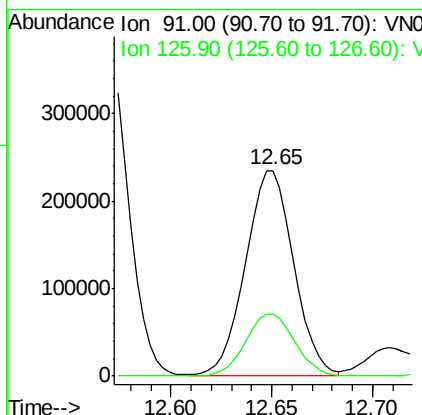
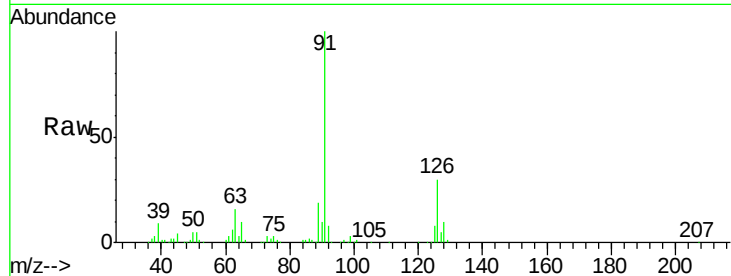




#79
 2-Chlorotoluene
 Concen: 52.125 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

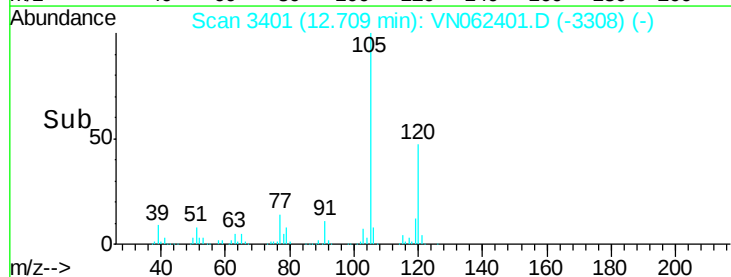
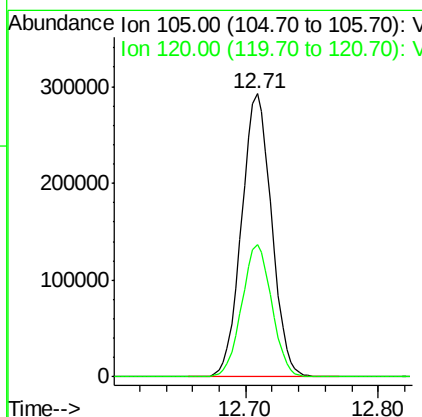
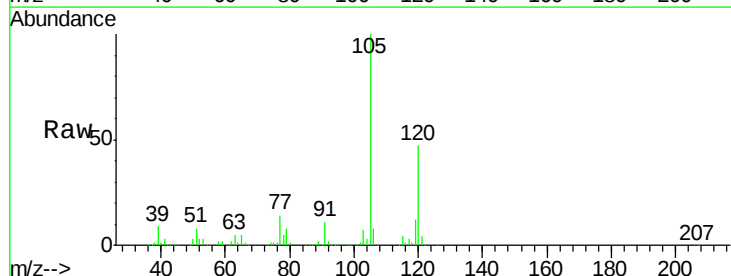
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

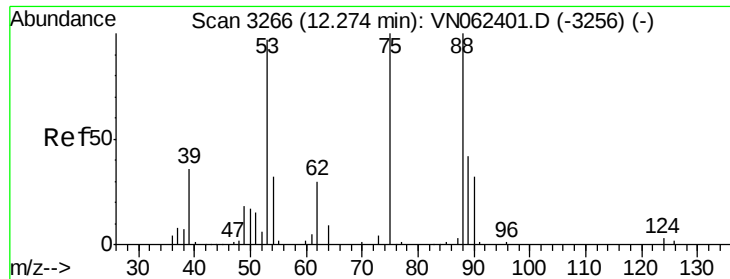
Tgt Ion: 91 Resp: 390045
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.048 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 105 Resp: 458343
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.817 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062401.D

Acq: 8 Jul 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

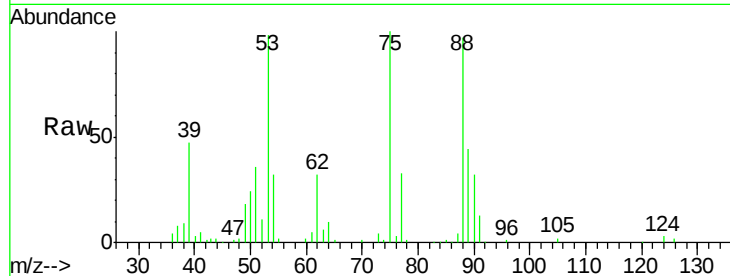
Tgt Ion: 75 Resp: 65507

Ion Ratio Lower Upper

75 100

53 99.0 79.2 118.8

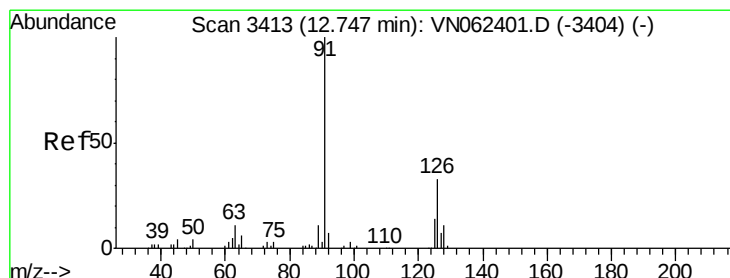
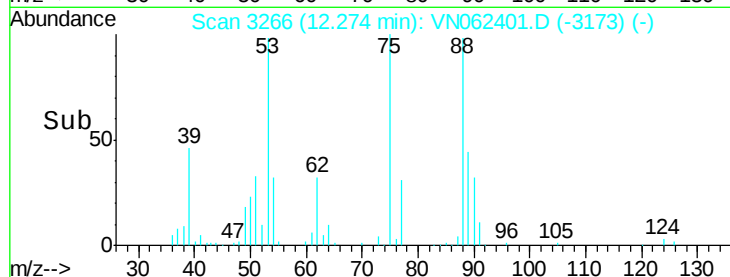
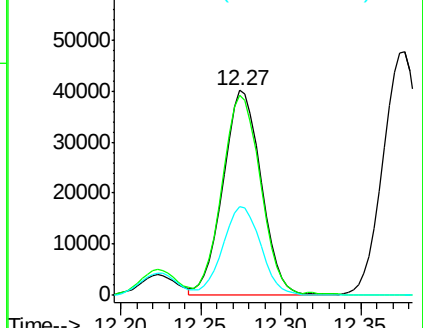
89 43.3 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062401.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062401.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 52.494 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062401.D

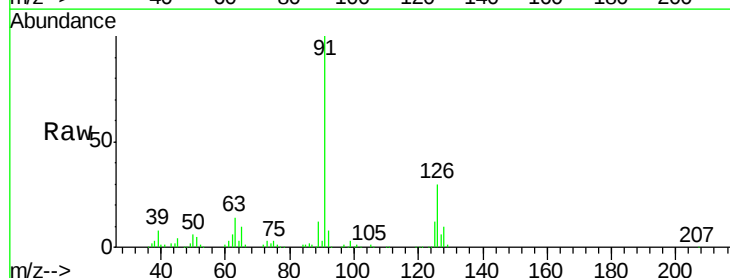
Acq: 8 Jul 2020 11:26

Tgt Ion: 91 Resp: 401019

Ion Ratio Lower Upper

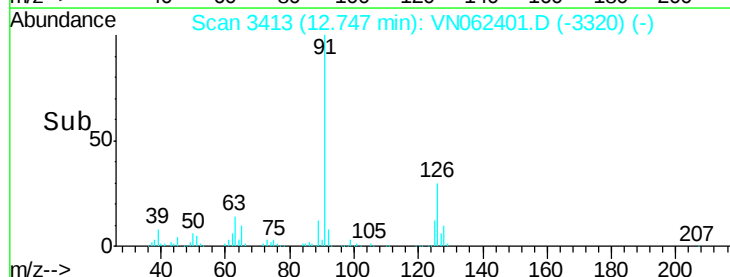
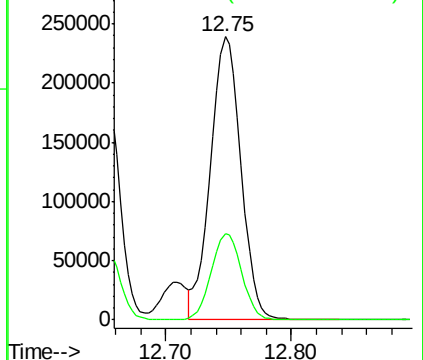
91 100

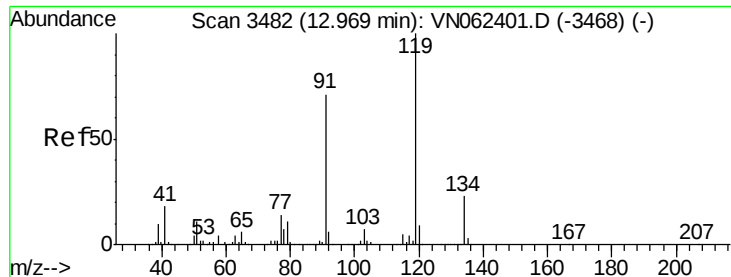
126 30.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3404) (-)

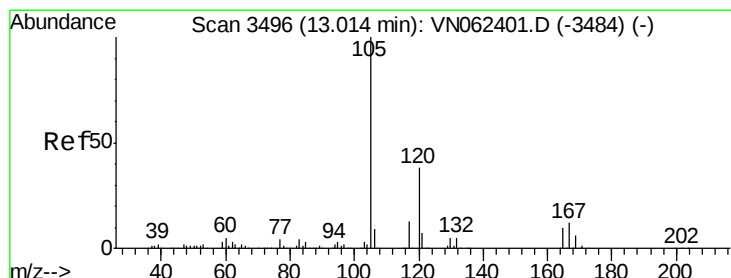
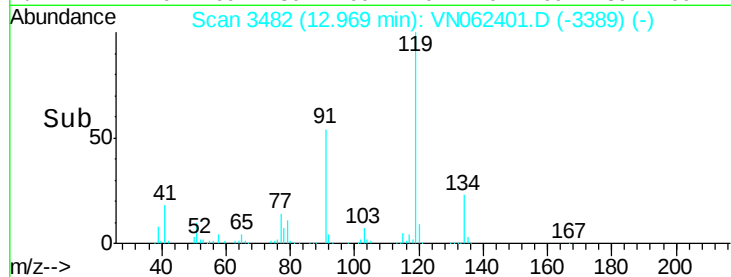
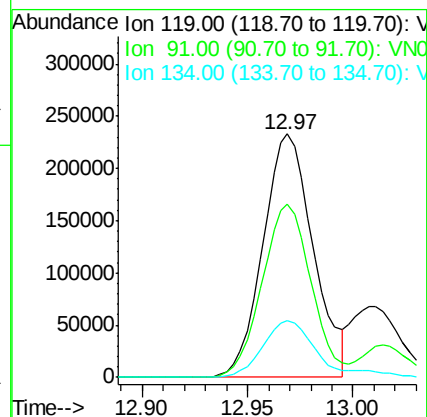
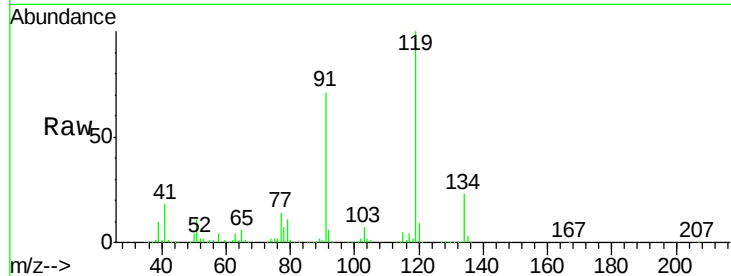




#83
 tert-Butylbenzene
 Concen: 52.464 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

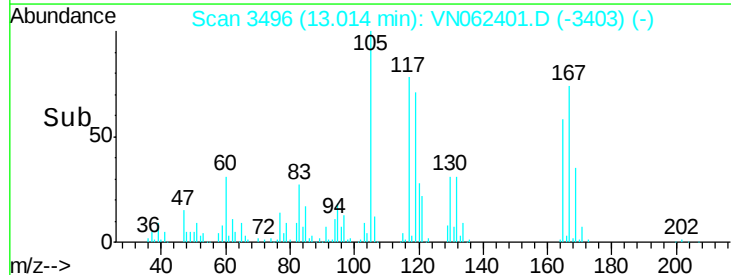
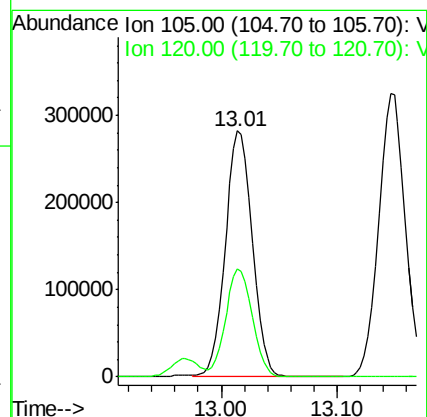
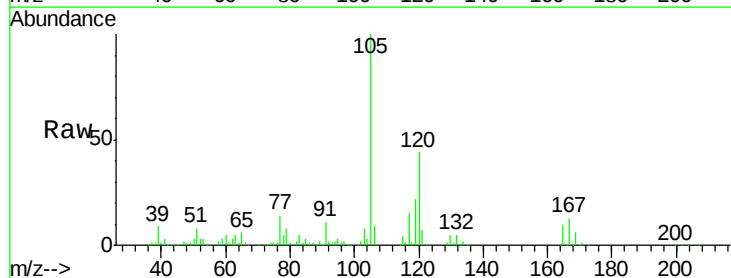
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

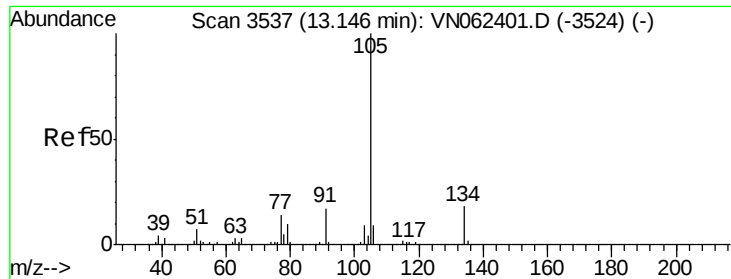
Tgt Ion:119 Resp: 386387
 Ion Ratio Lower Upper
 119 100
 91 69.5 34.8 104.3
 134 23.3 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 53.218 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:105 Resp: 455119
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.6 64.8

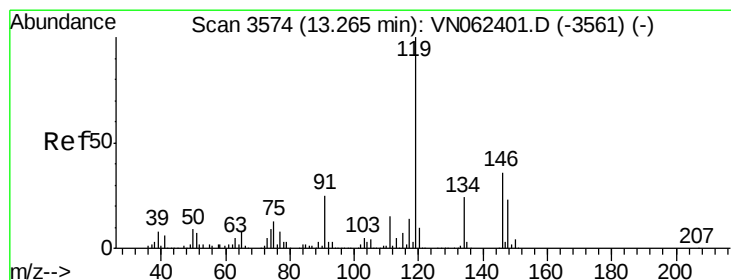
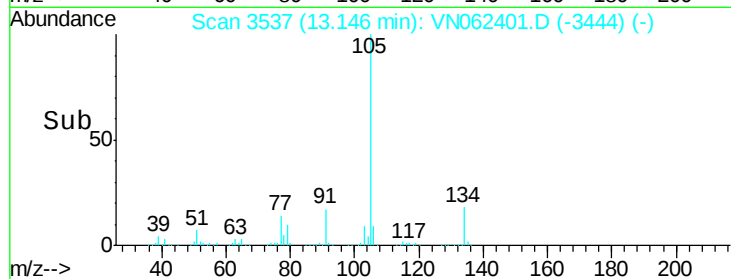
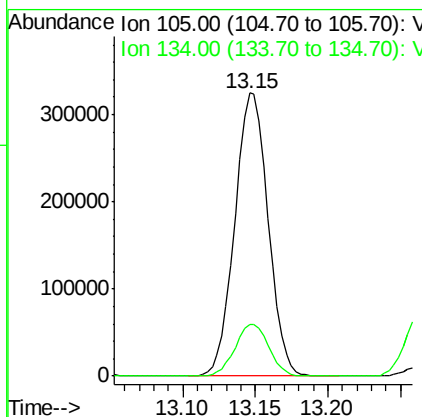
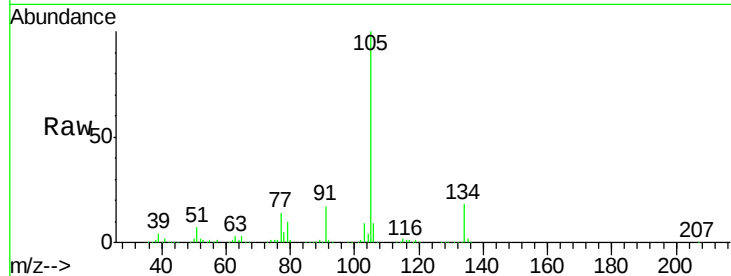




#85
 sec-Butylbenzene
 Concen: 54.978 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

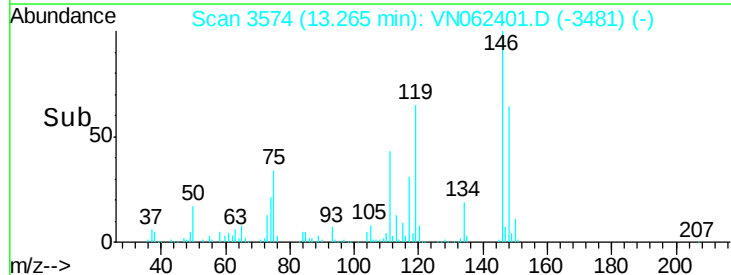
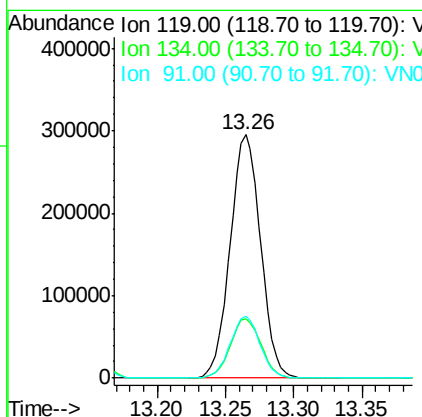
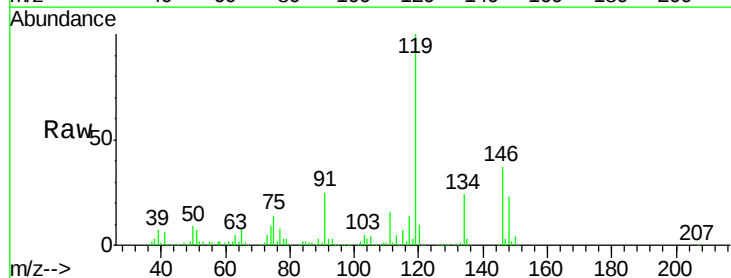
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

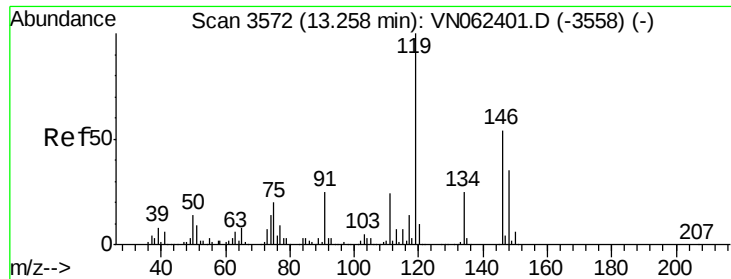
Tgt Ion:105 Resp: 516932
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 53.838 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:119 Resp: 455815
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.4 37.0
 91 24.9 12.4 37.4

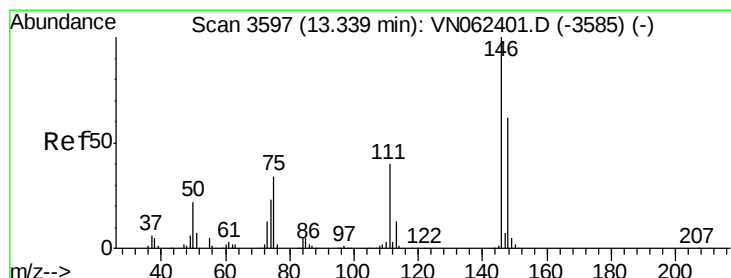
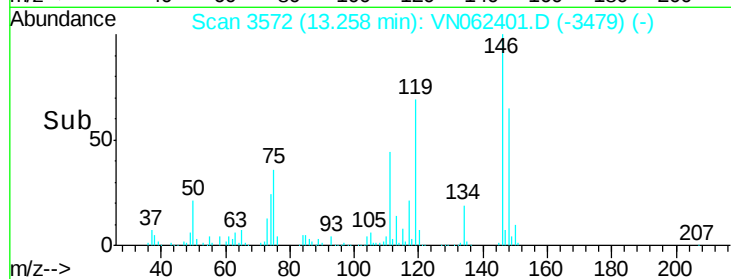
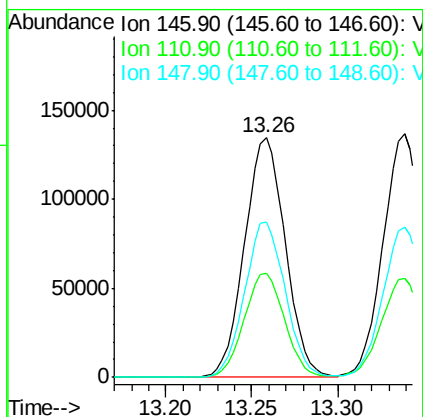
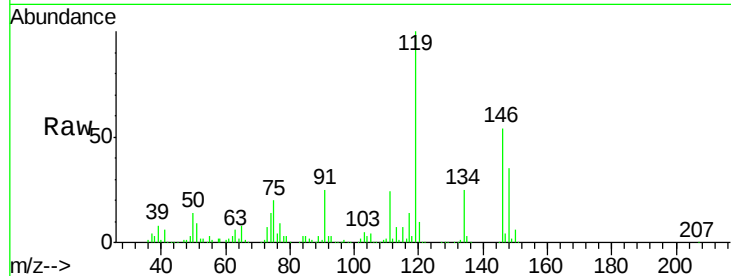




#87
 1,3-Dichlorobenzene
 Concen: 50.865 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

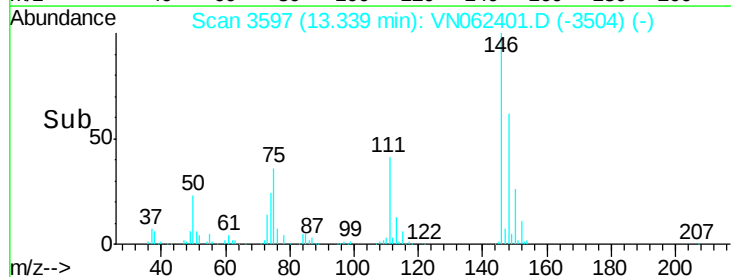
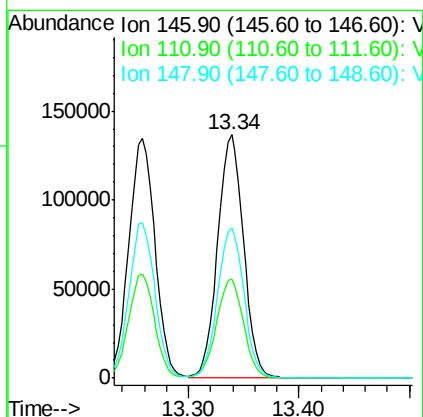
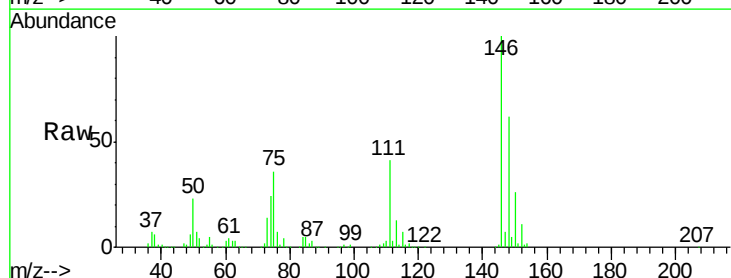
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

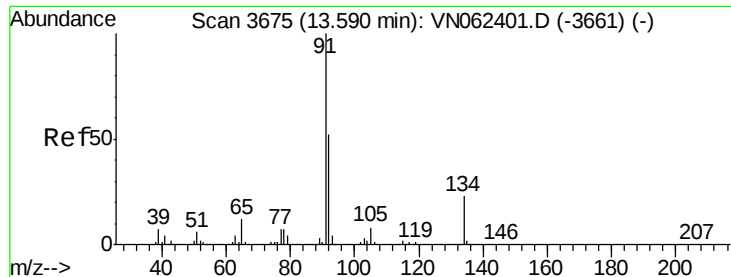
Tgt Ion:146 Resp: 221530
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 64.6
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.533 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:146 Resp: 222852
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.1
 148 62.8 31.4 94.2

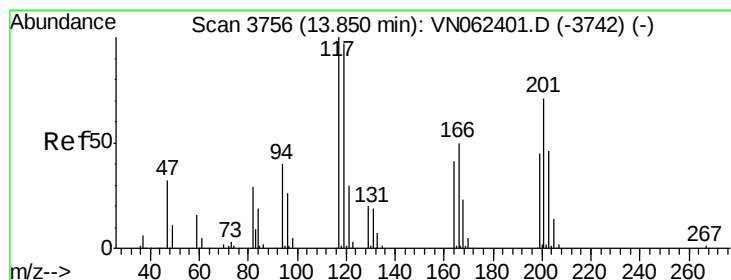
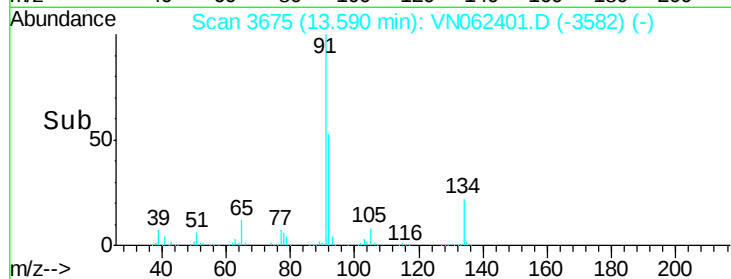
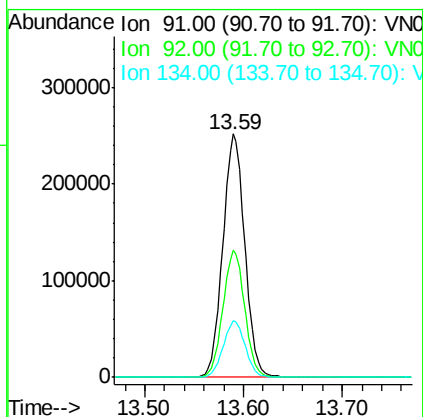
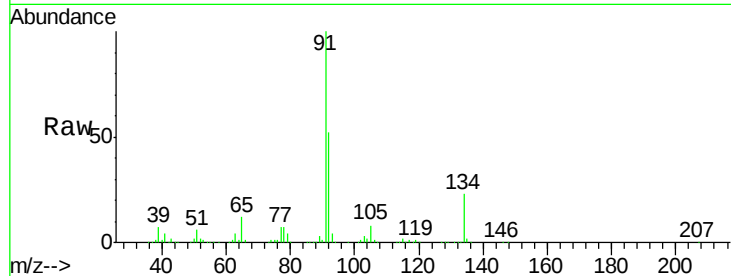




#89
n-Butylbenzene
Concen: 54.137 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

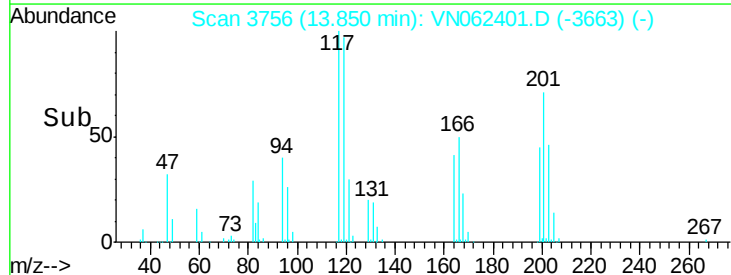
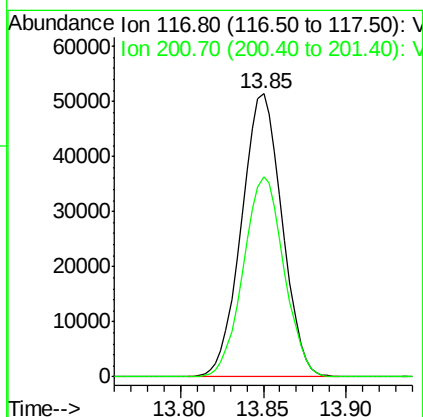
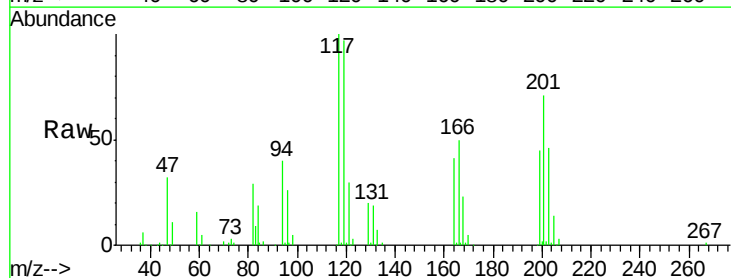
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

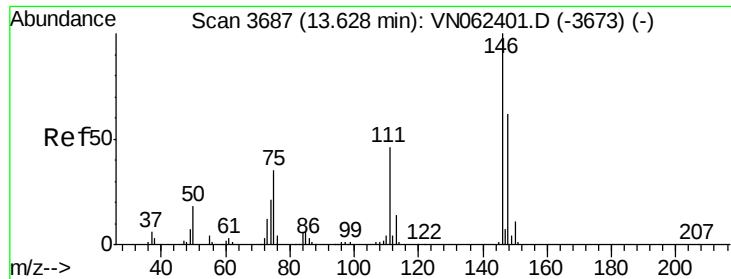
Tgt Ion: 91 Resp: 395092
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 23.2 11.6 34.8



#90
Hexachloroethane
Concen: 48.628 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion: 117 Resp: 87273
Ion Ratio Lower Upper
117 100
201 70.8 35.4 106.2

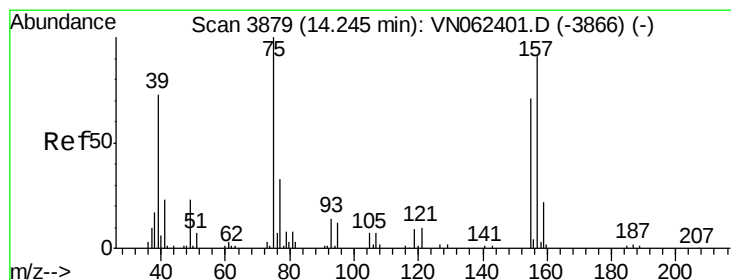
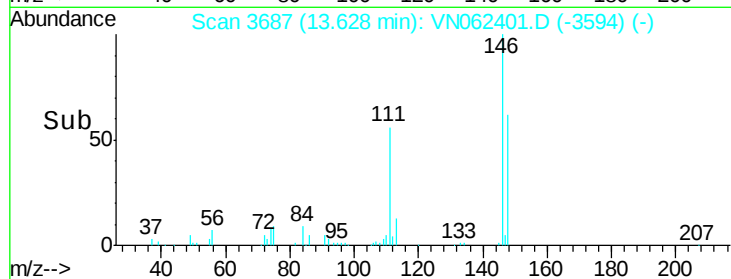
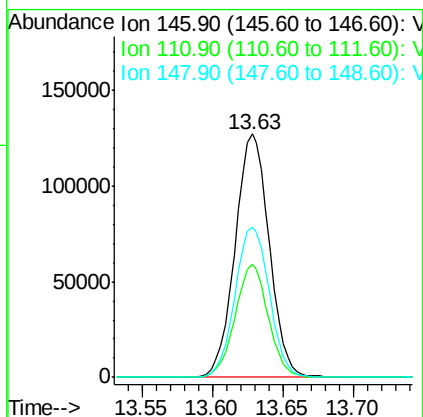
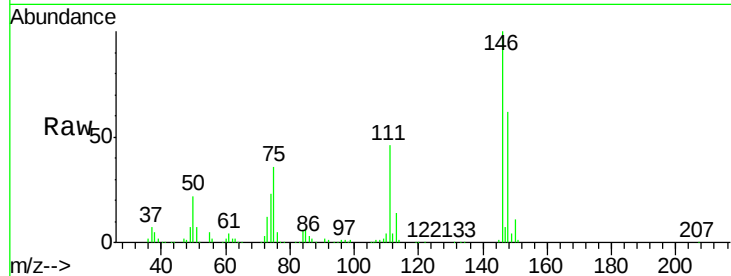




#91
 1,2-Dichlorobenzene
 Concen: 51.578 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

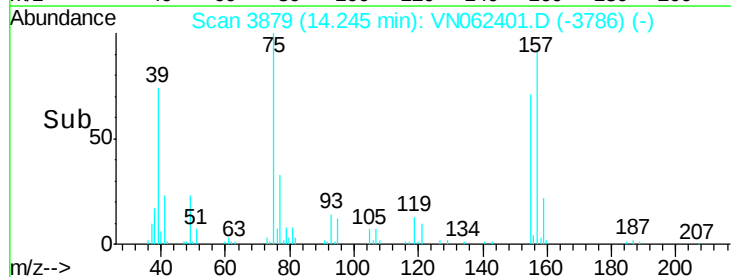
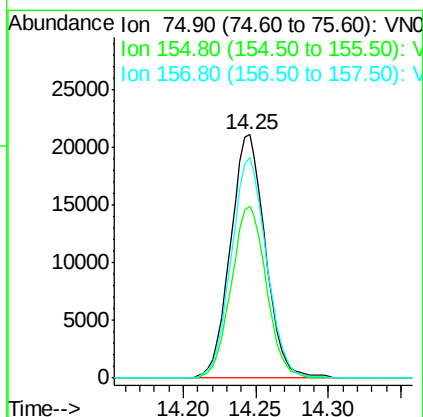
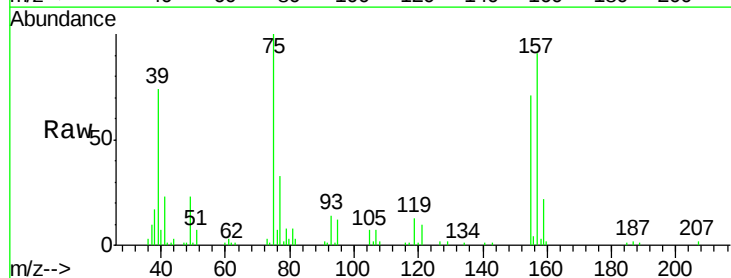
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

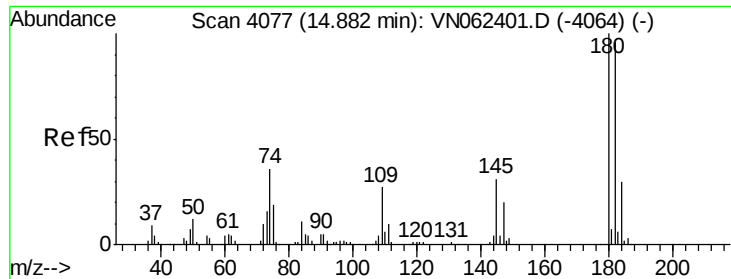
Tgt Ion: 146 Resp: 215252
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.5 67.5
 148 62.8 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.487 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion: 75 Resp: 35254
 Ion Ratio Lower Upper
 75 100
 155 70.4 35.2 105.6
 157 91.5 45.8 137.3

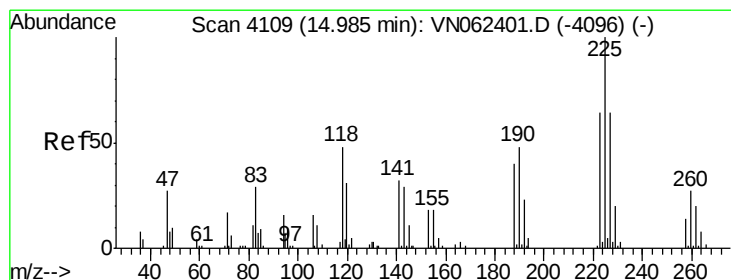
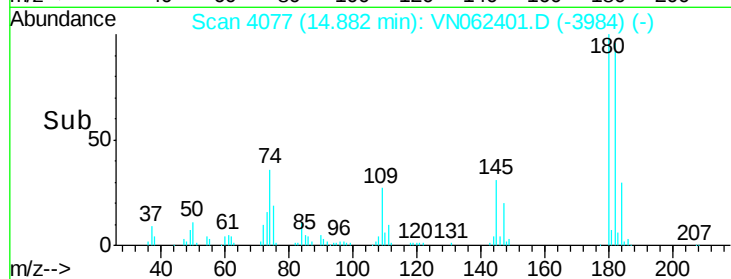
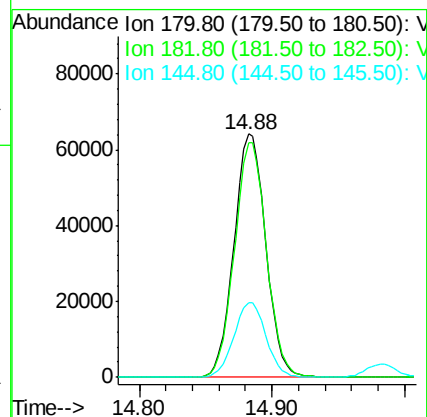
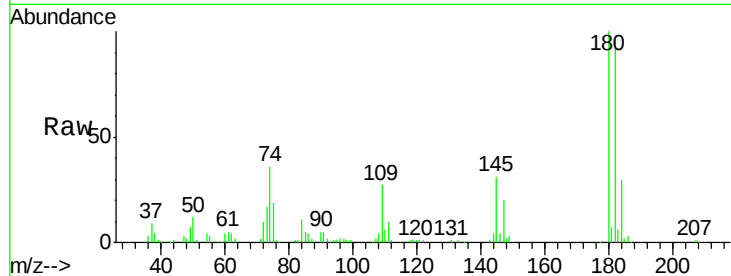




#93
 1,2,4-Trichlorobenzene
 Concen: 54.676 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

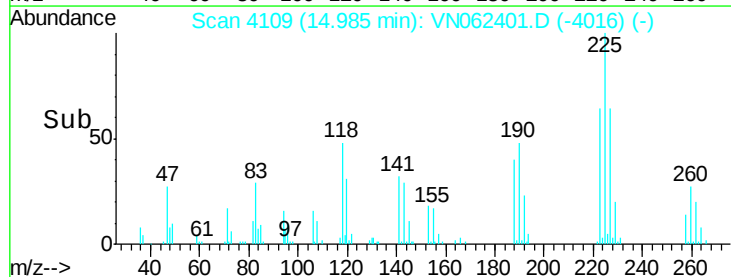
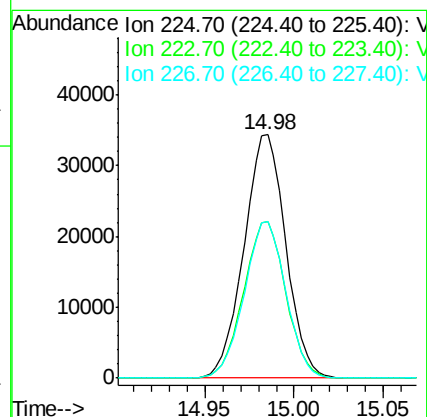
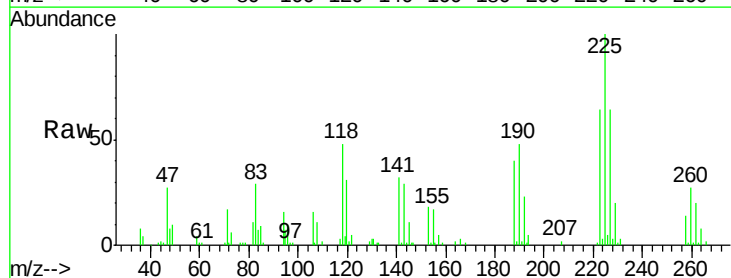
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 106816
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.4 145.2
 145 31.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 46.022 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062401.D
 Acq: 8 Jul 2020 11:26

Tgt Ion:225 Resp: 56261
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.3 96.8
 227 63.8 31.9 95.7

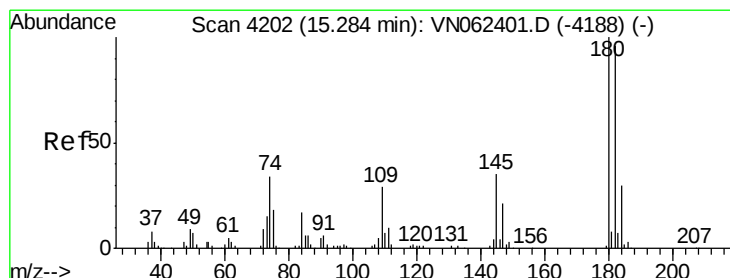
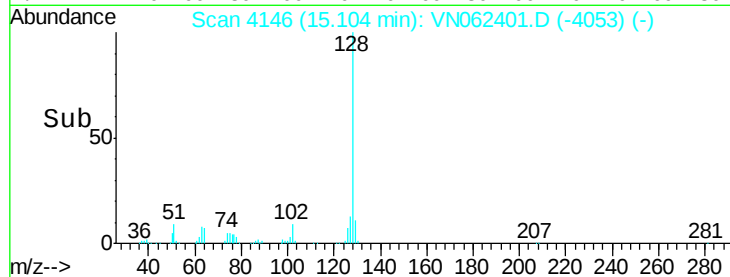
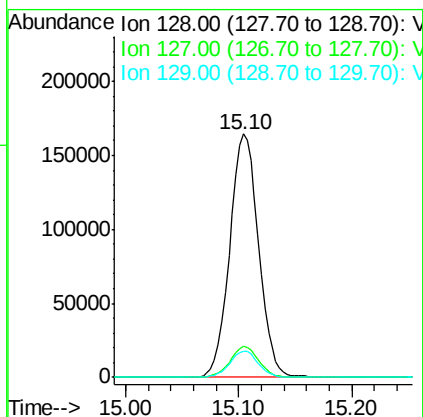
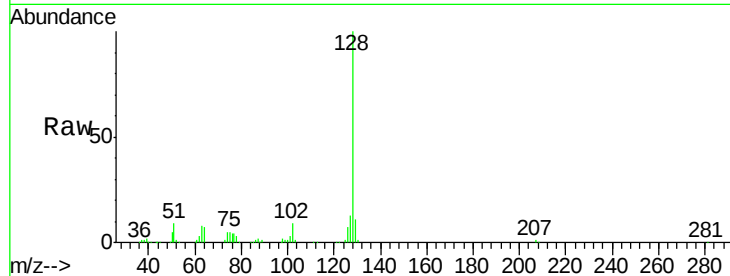




#95
Naphthalene
Concen: 56.335 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 291707
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.848 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062401.D
Acq: 8 Jul 2020 11:26

Tgt Ion:180 Resp: 105931
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.4
145 33.9 17.0 50.9

