

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070820\
 Data File : VN062400.D
 Acq On : 8 Jul 2020 11:02
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 08 11:48:26 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	194530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	300833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131284	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	57346	16.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.62%	
35) Dibromofluoromethane	7.55	113	38817	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.06	98	152638	18.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.50%	
62) 4-Bromofluorobenzene	12.38	95	53717	16.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	38692	17.733	ug/l 97
3) Chloromethane	2.04	50	60280	18.357	ug/l 99
4) Vinyl Chloride	2.16	62	51543	18.455	ug/l 100
5) Bromomethane	2.53	94	27334	18.933	ug/l 99
6) Chloroethane	2.67	64	29901	18.364	ug/l 100
7) Trichlorofluoromethane	2.98	101	66391	17.550	ug/l 99
8) Diethyl Ether	3.38	74	29168	19.351	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38488	17.872	ug/l 98
10) Methyl Iodide	3.91	142	49366	18.889	ug/l 99
11) Tert butyl alcohol	4.74	59	47994	98.849	ug/l 99
12) 1,1-Dichloroethene	3.70	96	39604	19.618	ug/l 96
13) Acrolein	3.57	56	29998	120.262	ug/l 98
14) Allyl chloride	4.27	41	91466	18.778	ug/l 99
15) Acrylonitrile	4.93	53	129911	100.635	ug/l 99
16) Acetone	3.78	43	121951	77.442	ug/l 98
17) Carbon Disulfide	4.01	76	119355	18.660	ug/l 100
18) Methyl Acetate	4.28	43	60579	17.145	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	147164	19.209	ug/l 99
20) Methylene Chloride	4.50	84	50483	17.449	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	42981	19.255	ug/l 98
22) Diisopropyl ether	5.91	45	186958	19.249	ug/l 98
23) Vinyl Acetate	5.84	43	768706	101.903	ug/l 99
24) 1,1-Dichloroethane	5.80	63	94342	19.424	ug/l 99
25) 2-Butanone	6.79	43	182678	90.532	ug/l 99
26) 2,2-Dichloropropane	6.78	77	71422	18.094	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	49975	19.607	ug/l 99
28) Bromochloromethane	7.15	49	50099	18.773	ug/l 100
29) Tetrahydrofuran	7.17	42	124902	96.965	ug/l 99
30) Chloroform	7.33	83	86536	18.449	ug/l 99
31) Cyclohexane	7.62	56	86863	19.297	ug/l 92
32) 1,1,1-Trichloroethane	7.53	97	71479	18.208	ug/l 99
36) 1,1-Dichloropropene	7.75	75	65878	18.696	ug/l 100
37) Ethyl Acetate	6.88	43	75457	18.399	ug/l 100
38) Carbon Tetrachloride	7.73	117	60231	17.320	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	71623	18.883	ug/l	99
40) Benzene	8.00	78	197746	19.728	ug/l	98
41) Methacrylonitrile	7.17	41	109519	53.616	ug/l #	19
42) 1,2-Dichloroethane	8.09	62	72503	16.841	ug/l	100
43) Isopropyl Acetate	8.13	43	123824	18.076	ug/l	99
44) Trichloroethene	8.80	130	43137	18.132	ug/l	95
45) 1,2-Dichloropropane	9.09	63	57890	19.693	ug/l	100
46) Dibromomethane	9.18	93	32909	18.342	ug/l	96
47) Bromodichloromethane	9.37	83	69033	18.037	ug/l	99
48) Methyl methacrylate	9.17	41	59330	17.040	ug/l	98
49) 1,4-Dioxane	9.17	88	17928	374.753	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	375819	101.727	ug/l	100
52) Toluene	10.12	92	115253	19.400	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	76461	18.555	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	84125	18.967	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	45778	19.117	ug/l	94
56) Ethyl methacrylate	10.40	69	75359	19.496	ug/l	98
57) 1,3-Dichloropropane	10.68	76	82869	18.704	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	119778	87.557	ug/l	99
59) 2-Hexanone	10.72	43	273227	98.494	ug/l	98
60) Dibromochloromethane	10.87	129	47938	17.769	ug/l	99
61) 1,2-Dibromoethane	10.98	107	43949	17.962	ug/l	98
64) Tetrachloroethene	10.60	164	36605	18.871	ug/l	98
65) Chlorobenzene	11.41	112	118888	19.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	43696	18.793	ug/l	99
67) Ethyl Benzene	11.48	91	220288	20.090	ug/l	99
68) m/p-Xylenes	11.60	106	156230	38.972	ug/l	100
69) o-Xylene	11.92	106	76041	19.230	ug/l	99
70) Styrene	11.94	104	127044	19.440	ug/l	100
71) Bromoform	12.10	173	31957	17.619	ug/l #	96
73) Isopropylbenzene	12.22	105	206066	20.921	ug/l	100
74) N-amyl acetate	12.05	43	101095	19.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68391	19.821	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	89495	28.204	ug/l #	100
77) Bromobenzene	12.50	156	46654	20.100	ug/l	97
78) n-propylbenzene	12.57	91	237520	21.125	ug/l	99
79) 2-Chlorotoluene	12.65	91	145639	20.385	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	169076	20.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23322	20.441	ug/l	98
82) 4-Chlorotoluene	12.75	91	147581	20.234	ug/l	99
83) tert-Butylbenzene	12.97	119	143363	20.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	166000	20.331	ug/l	100
85) sec-Butylbenzene	13.15	105	190235	21.191	ug/l	99
86) p-Isopropyltoluene	13.26	119	163655	20.246	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	79576	19.137	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	78770	18.338	ug/l	96
89) n-Butylbenzene	13.59	91	137022	19.665	ug/l	100
90) Hexachloroethane	13.85	117	32177	18.778	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	78738	19.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12159	18.238	ug/l	97

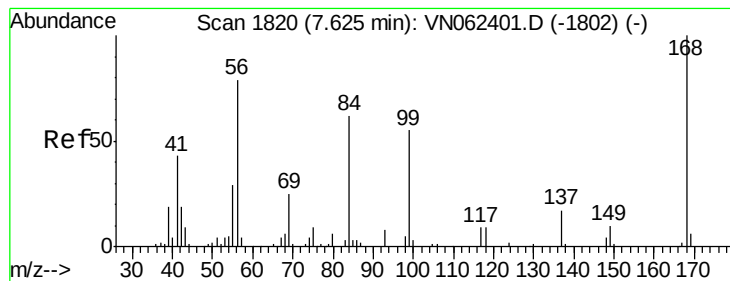
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	35527	19.047	ug/l	98
94) Hexachlorobutadiene	14.98	225	20090	17.212	ug/l	96
95) Naphthalene	15.10	128	93900	18.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35510	18.555	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

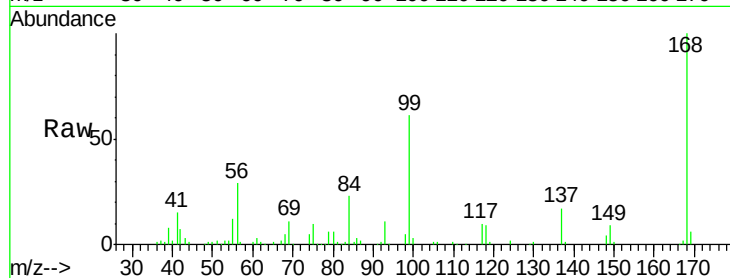
VSTDIC020

Tgt Ion:168 Resp: 194530

Ion Ratio Lower Upper

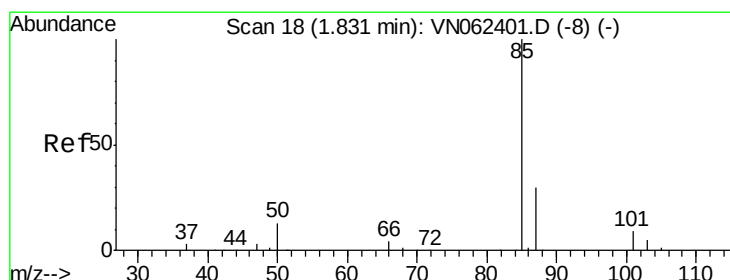
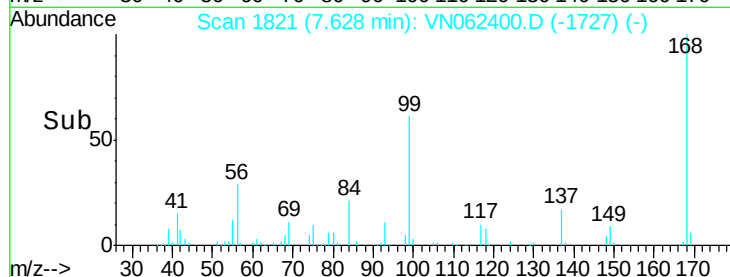
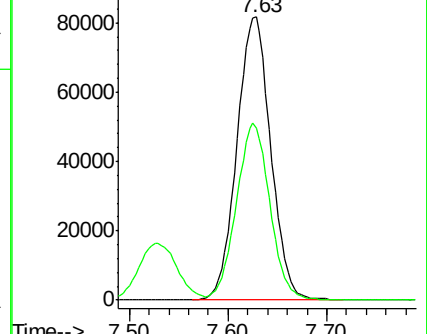
168 100

99 60.7 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.733 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062400.D

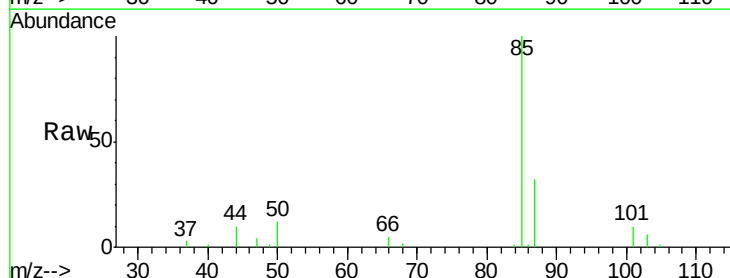
Acq: 8 Jul 2020 11:02

Tgt Ion: 85 Resp: 38692

Ion Ratio Lower Upper

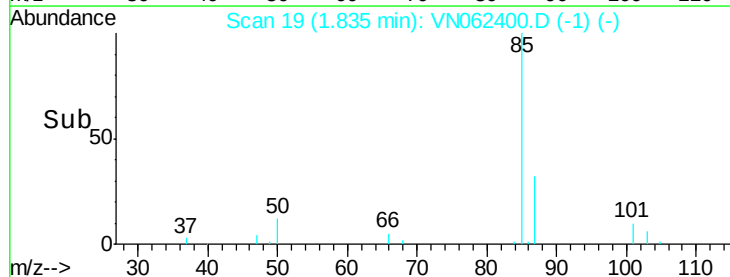
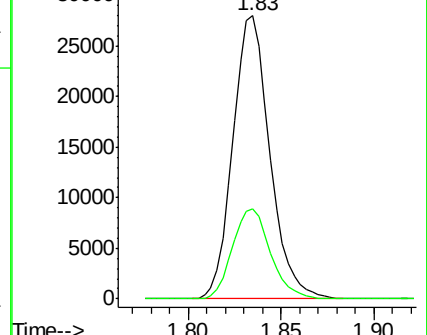
85 100

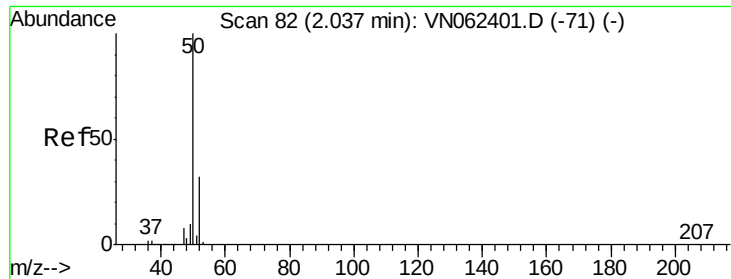
87 31.7 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.357 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

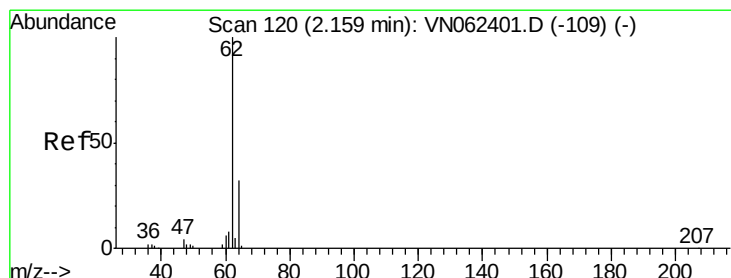
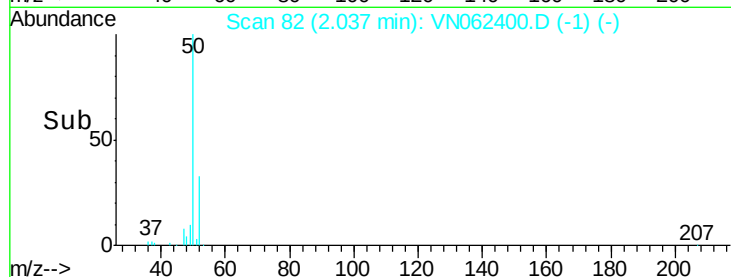
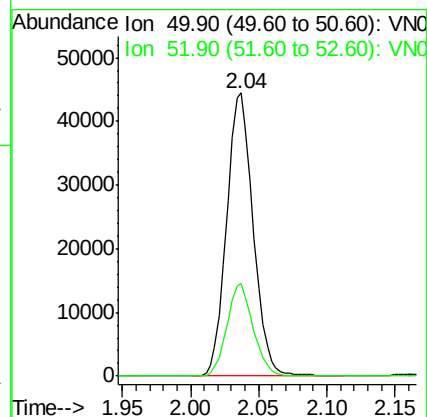
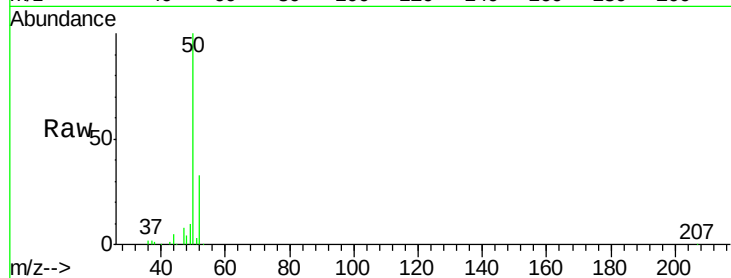
VSTDIC020

Tgt Ion: 50 Resp: 60280

Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3



#4

Vinyl Chloride

Concen: 18.455 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062400.D

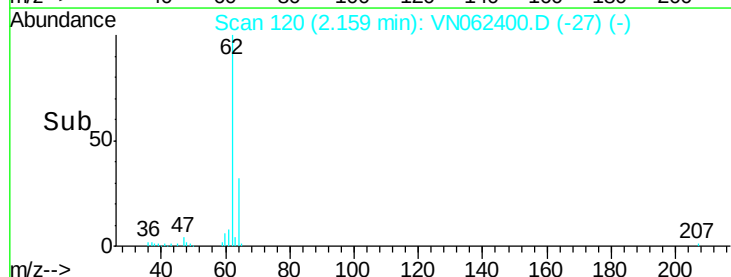
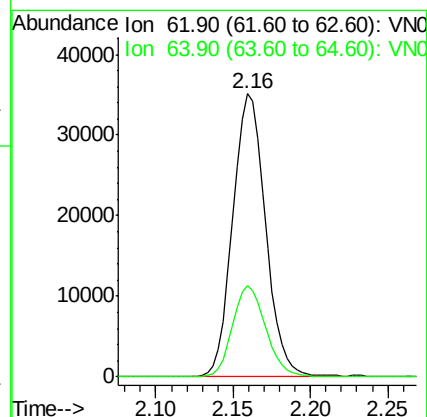
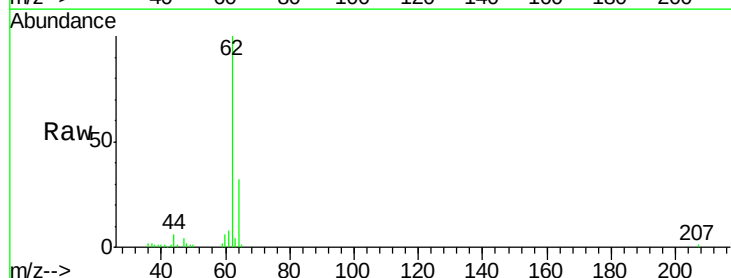
Acq: 8 Jul 2020 11:02

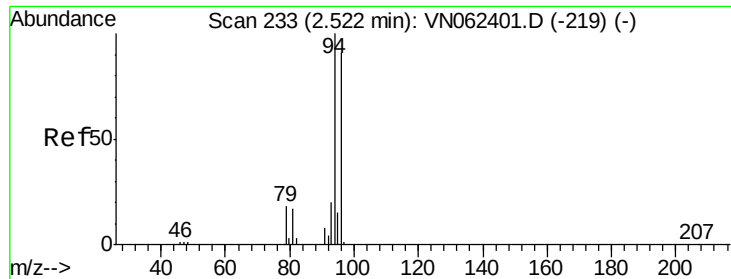
Tgt Ion: 62 Resp: 51543

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 18.933 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

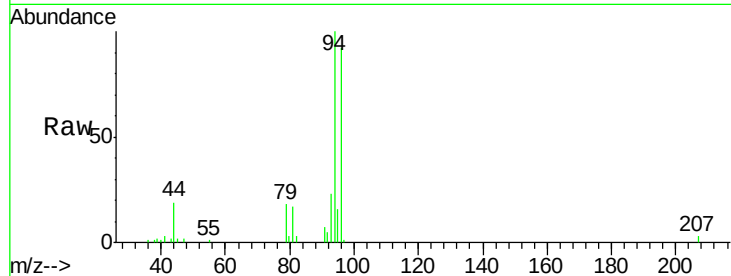
VSTDIC020

Tgt Ion: 94 Resp: 27334

Ion Ratio Lower Upper

94 100

96 92.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN062400.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VN062400.D (-140) (-)

2.53

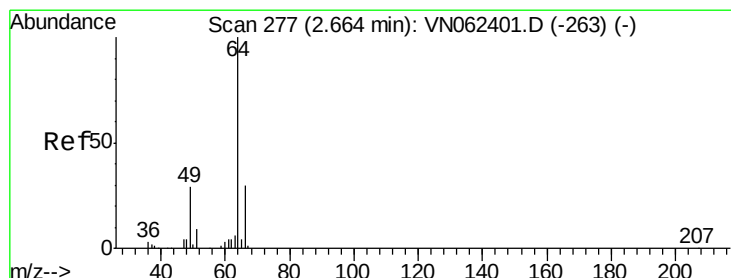
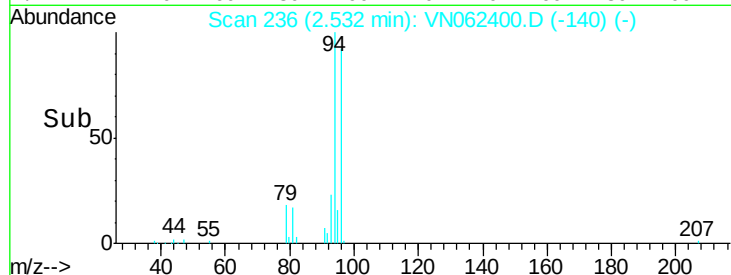
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.364 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062400.D

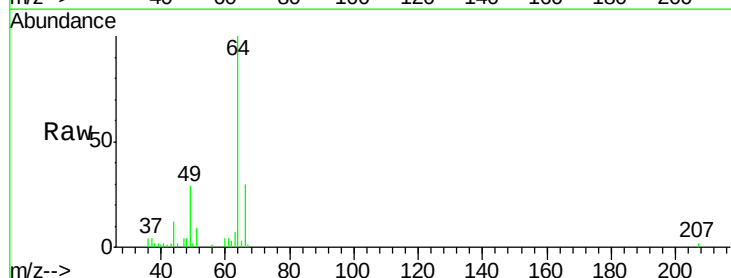
Acq: 8 Jul 2020 11:02

Tgt Ion: 64 Resp: 29901

Ion Ratio Lower Upper

64 100

66 30.0 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN062400.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062400.D (-184) (-)

2.67

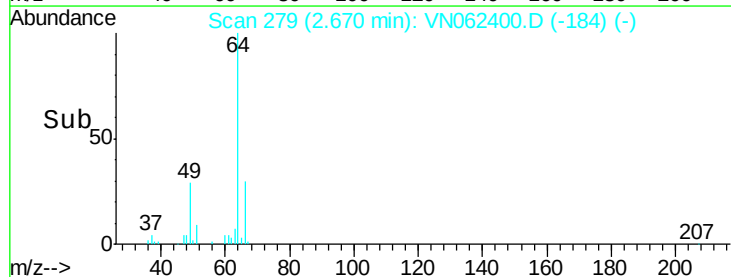
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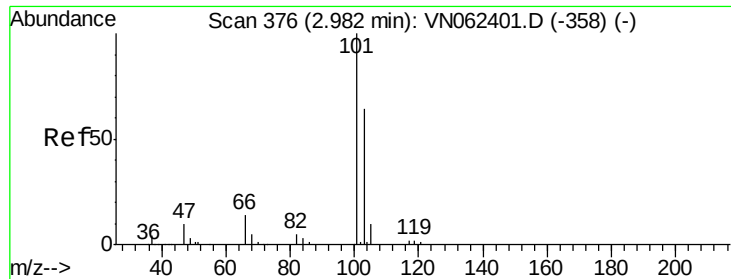
10000

5000

0

Time-->



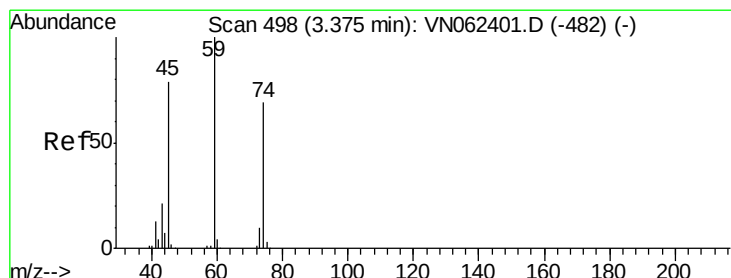
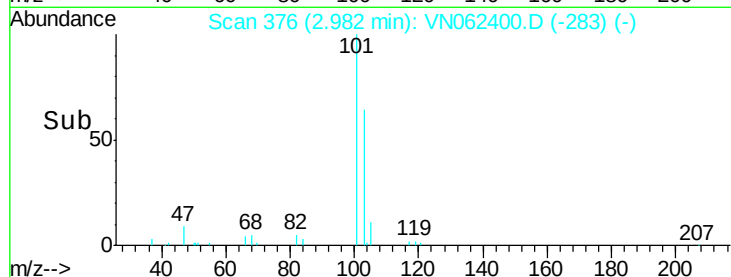
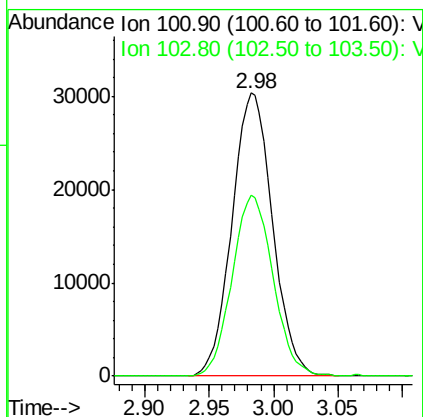
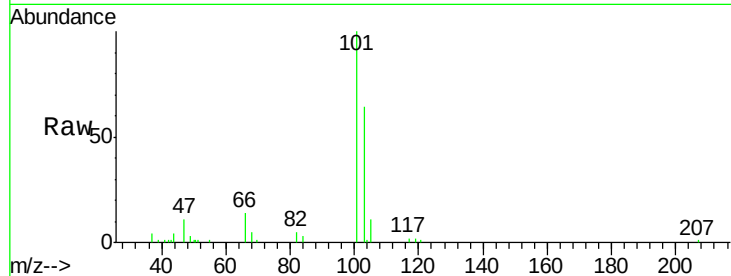


#7

Trichlorofluoromethane
 Concen: 17.550 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062400.D
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 VSTDIC020

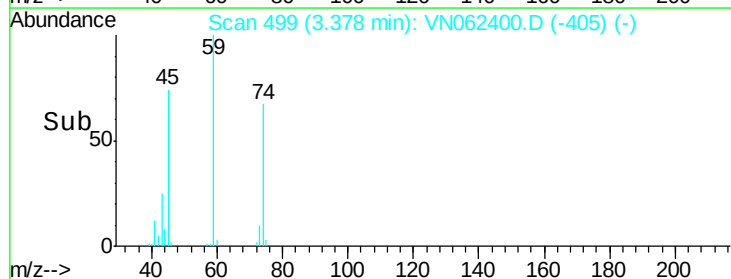
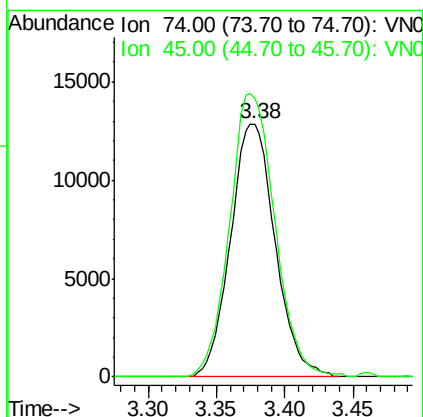
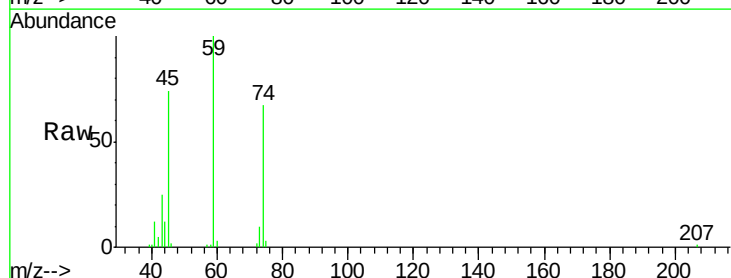
Tgt Ion: 101 Resp: 66391
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

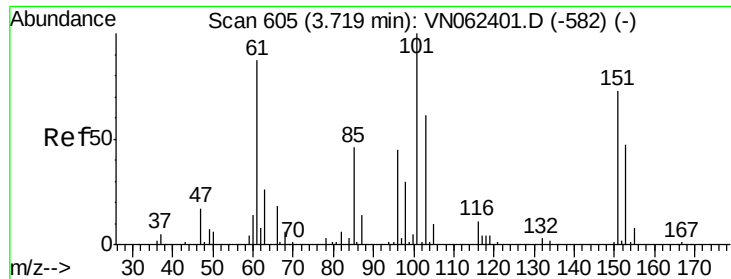


#8

Diethyl Ether
 Concen: 19.351 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 74 Resp: 29168
 Ion Ratio Lower Upper
 74 100
 45 113.9 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.872 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

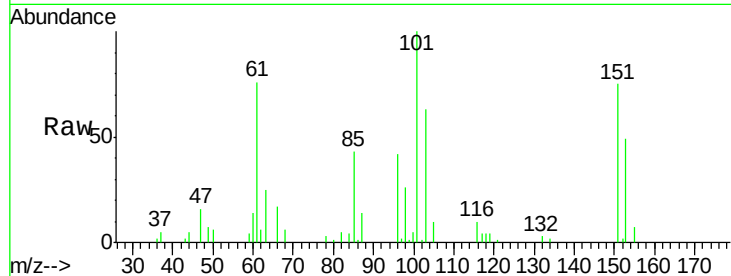
Tgt Ion:101 Resp: 38488

Ion Ratio Lower Upper

101 100

85 47.1 36.7 55.1

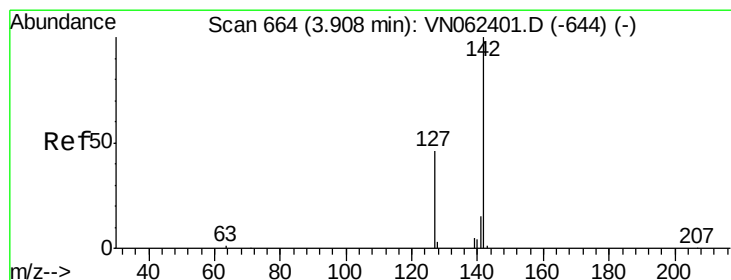
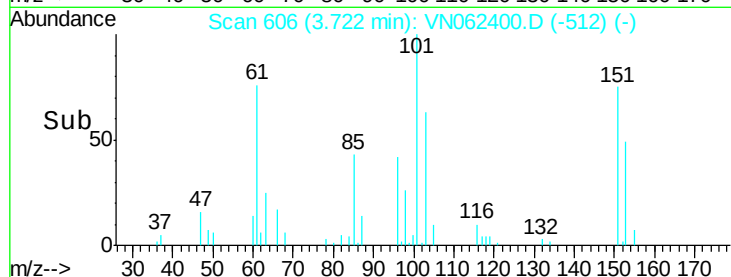
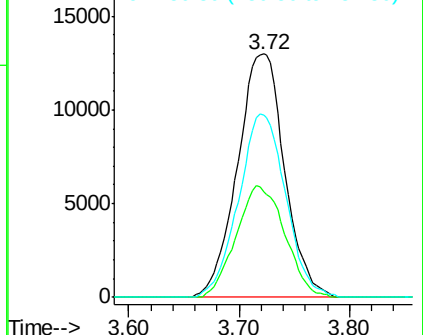
151 75.2 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.889 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

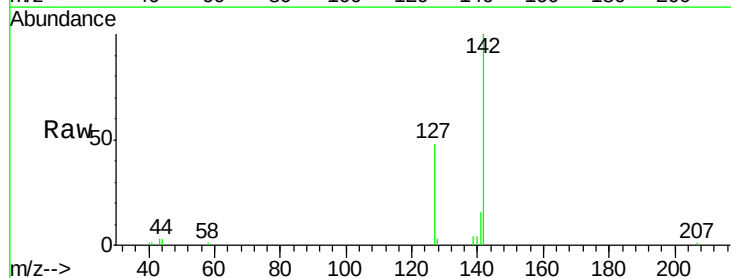
Tgt Ion:142 Resp: 49366

Ion Ratio Lower Upper

142 100

127 45.7 36.1 54.1

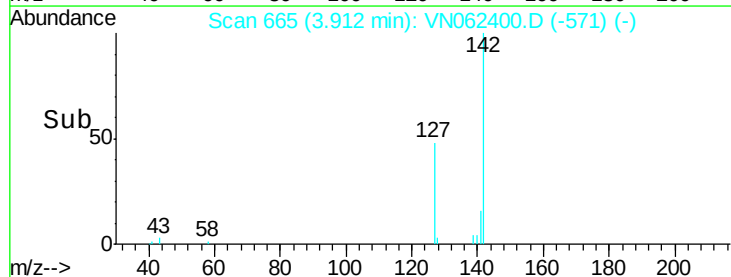
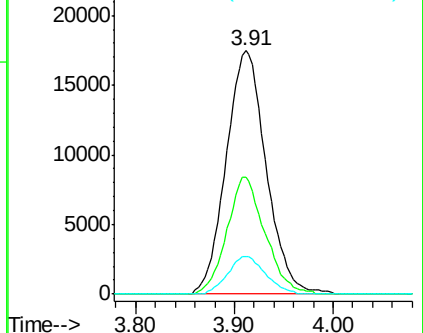
141 14.6 11.4 17.0

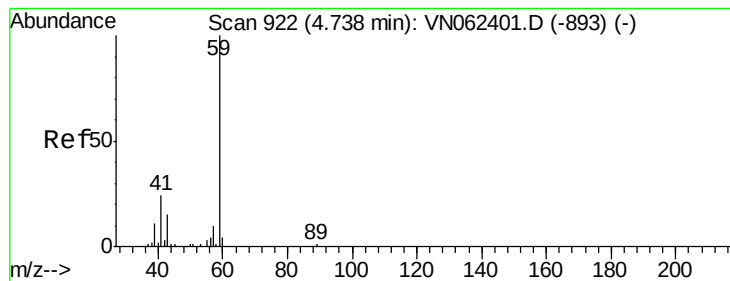


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.849 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

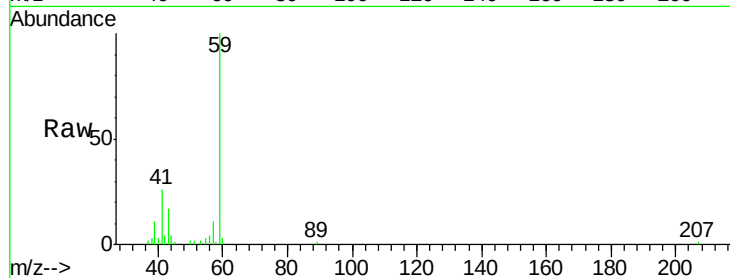
VSTDIC020

Tgt Ion: 59 Resp: 47994

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN062400.D (-829) (-)

Ion 57.00 (56.70 to 57.70): VN062400.D (-829) (-)

4.74

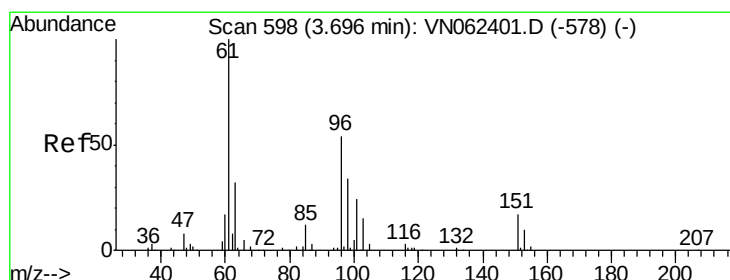
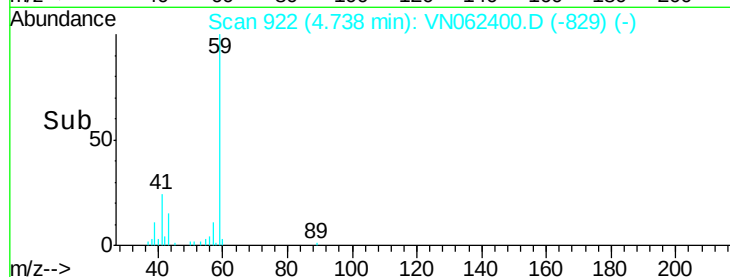
15000

10000

5000

0

Time-->



#12

1,1-Dichloroethene

Concen: 19.618 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

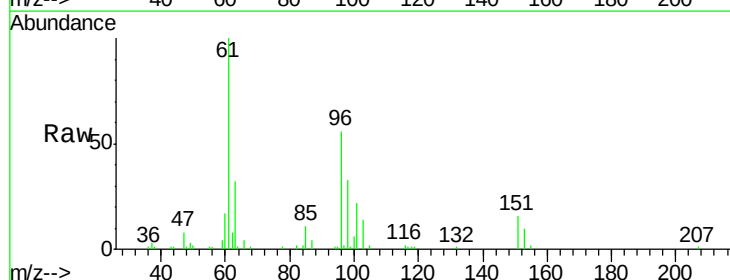
Tgt Ion: 96 Resp: 39604

Ion Ratio Lower Upper

96 100

61 179.1 147.4 221.0

98 59.2 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN062400.D (-505) (-)

Ion 60.90 (60.60 to 61.60): VN062400.D (-505) (-)

Ion 97.90 (97.60 to 98.60): VN062400.D (-505) (-)

3.70

40000

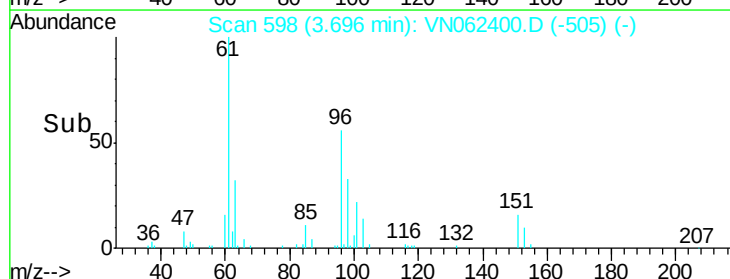
30000

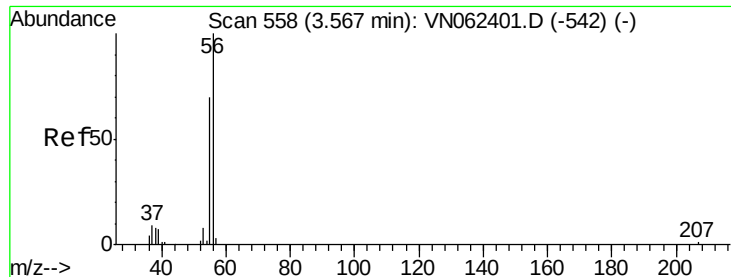
20000

10000

0

Time-->





#13

Acrolein

Concen: 120.262 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

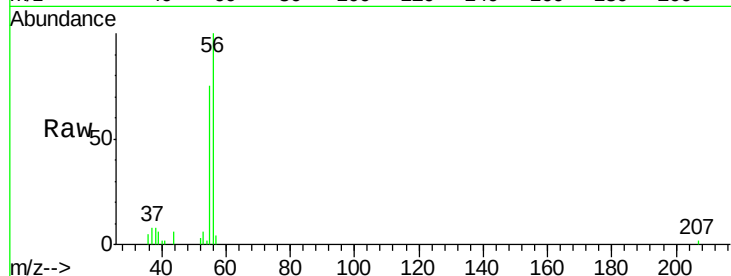
VSTDIC020

Tgt Ion: 56 Resp: 29998

Ion Ratio Lower Upper

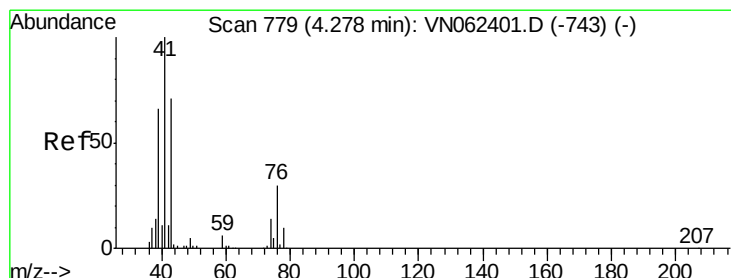
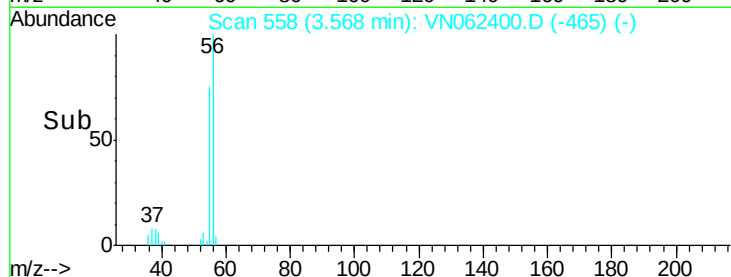
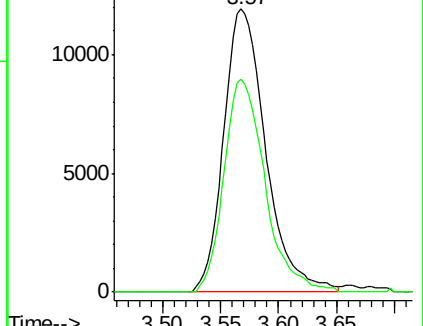
56 100

55 73.4 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VN062400.D (-465) (-)

Ion 55.00 (54.70 to 55.70): VN062400.D (-465) (-)



#14

Allyl chloride

Concen: 18.778 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

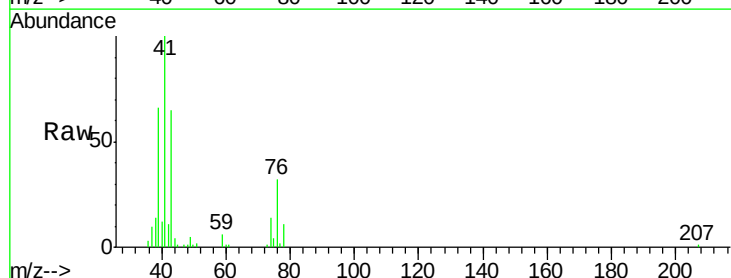
Tgt Ion: 41 Resp: 91466

Ion Ratio Lower Upper

41 100

39 61.9 49.6 74.4

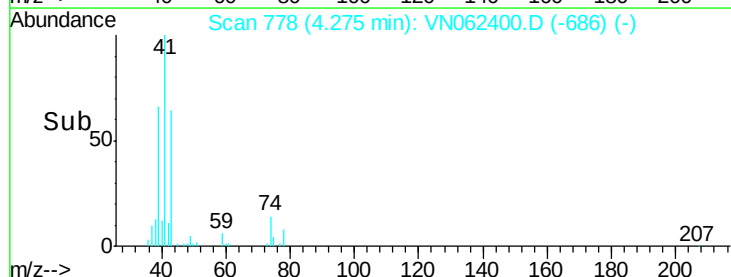
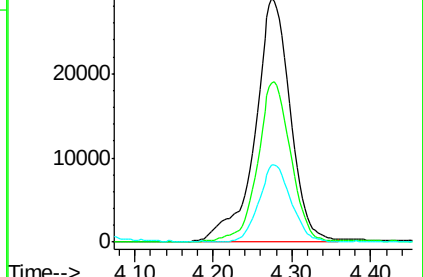
76 28.9 22.2 33.4

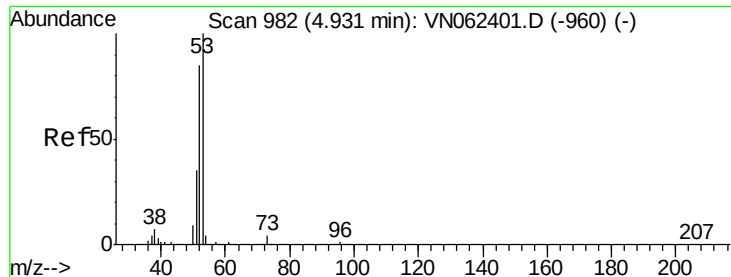


Abundance Ion 41.00 (40.70 to 41.70): VN062400.D (-686) (-)

Ion 39.00 (38.70 to 39.70): VN062400.D (-686) (-)

Ion 75.90 (75.60 to 76.60): VN062400.D (-686) (-)





#15

Acrylonitrile

Concen: 100.635 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

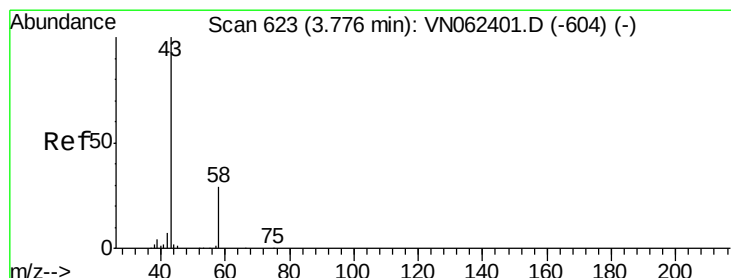
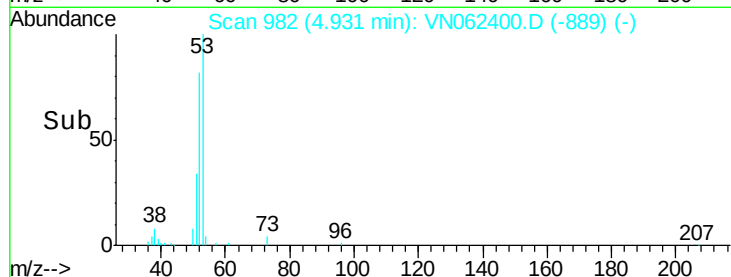
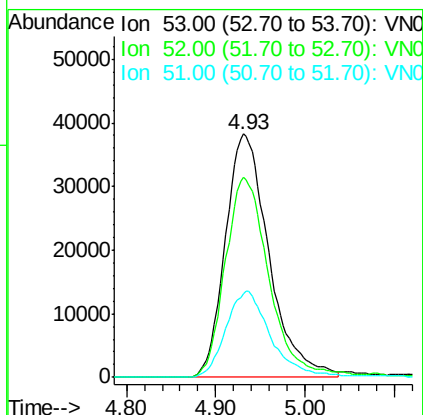
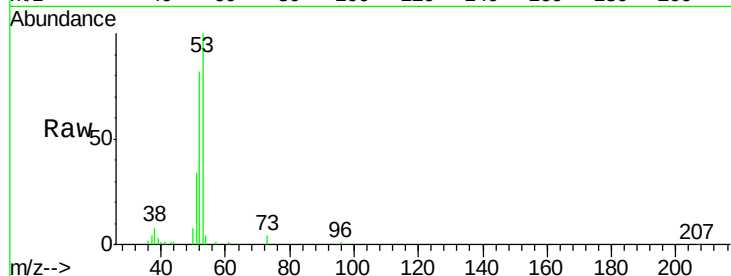
Tgt Ion: 53 Resp: 129911

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.4

51 36.2 28.7 43.1



#16

Acetone

Concen: 77.442 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062400.D

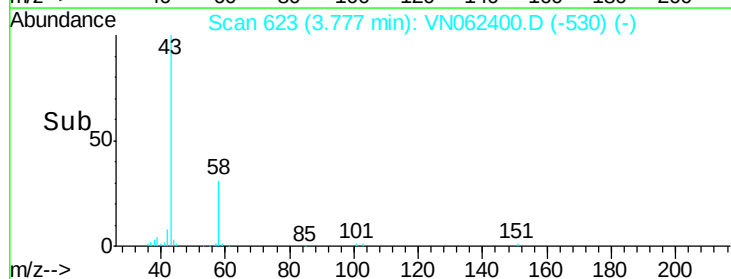
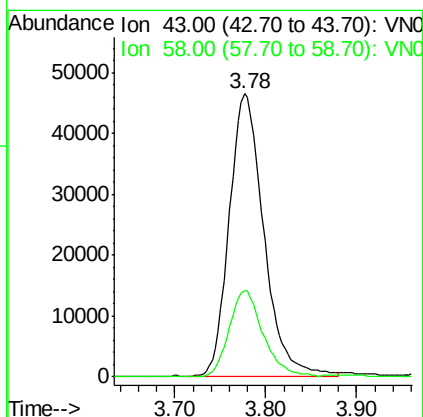
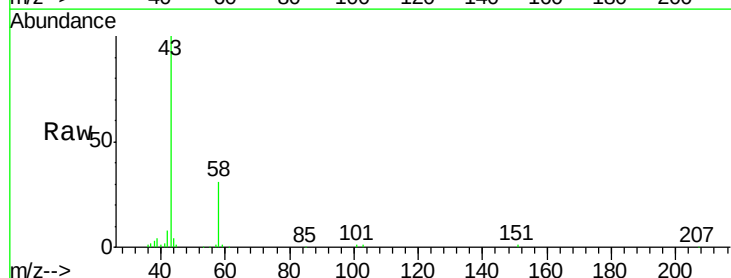
Acq: 8 Jul 2020 11:02

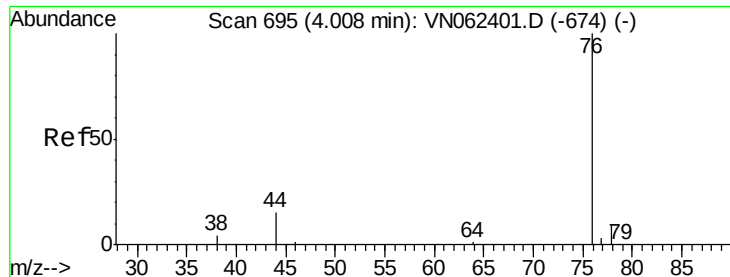
Tgt Ion: 43 Resp: 121951

Ion Ratio Lower Upper

43 100

58 30.6 23.5 35.3





#17

Carbon Disulfide

Concen: 18.660 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

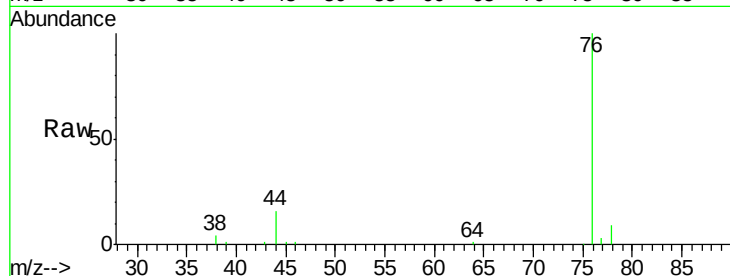
VSTDIC020

Tgt Ion: 76 Resp: 119355

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)

4.01

50000

40000

30000

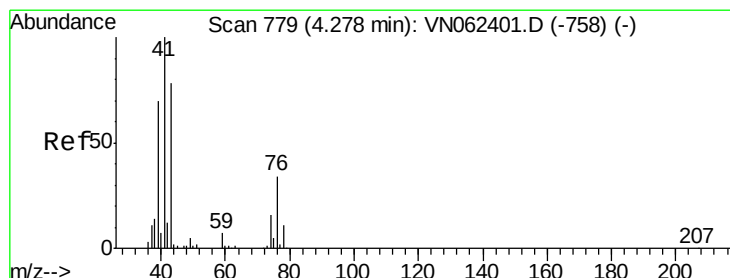
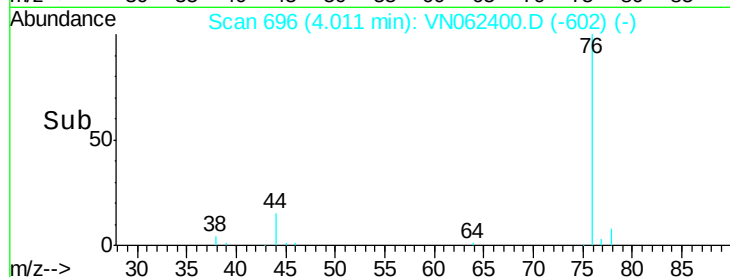
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 17.145 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062400.D

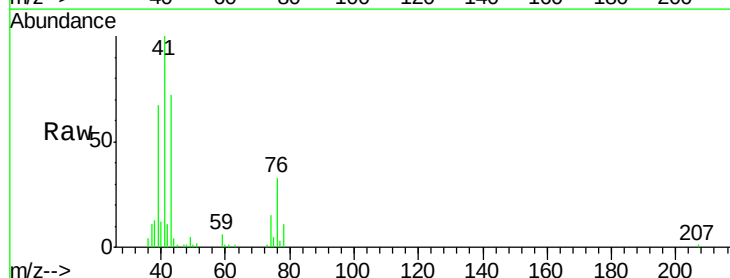
Acq: 8 Jul 2020 11:02

Tgt Ion: 43 Resp: 60579

Ion Ratio Lower Upper

43 100

74 19.5 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN062401.D (-758) (-)

4.28

20000

15000

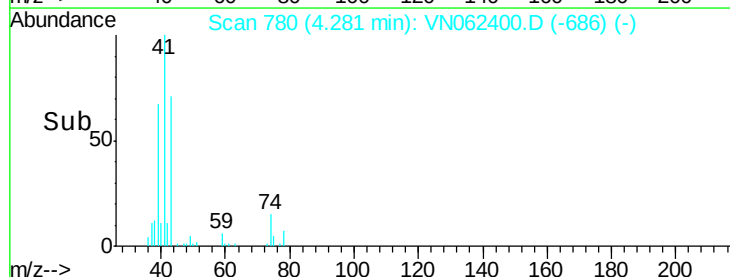
10000

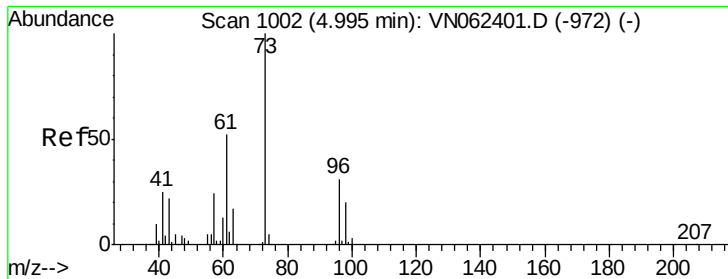
5000

0

Time-->

4.20 4.30 4.40

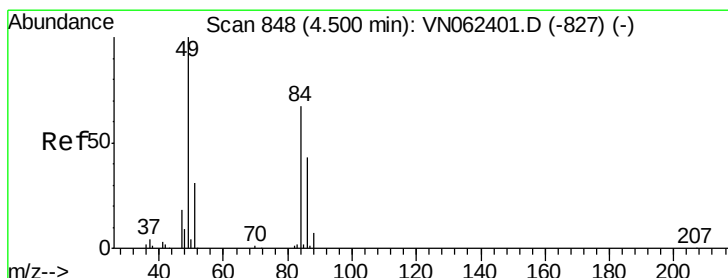
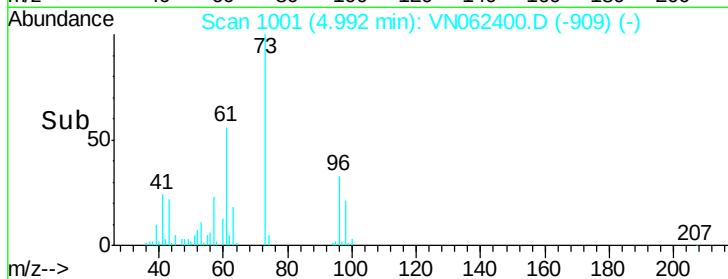
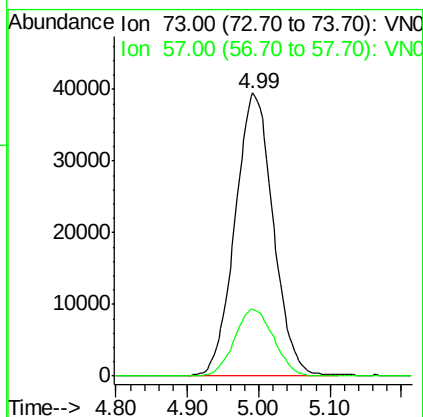
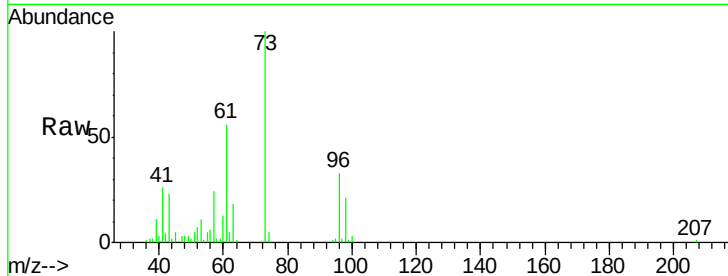




#19
Methyl tert-butyl Ether
Concen: 19.209 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

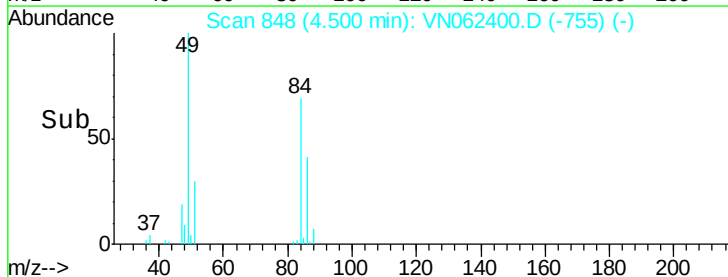
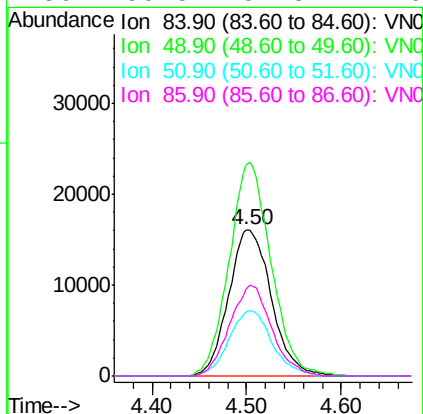
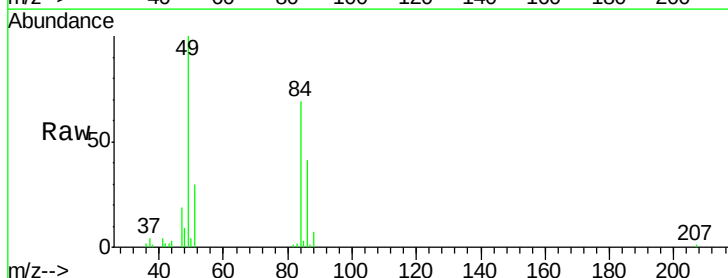
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

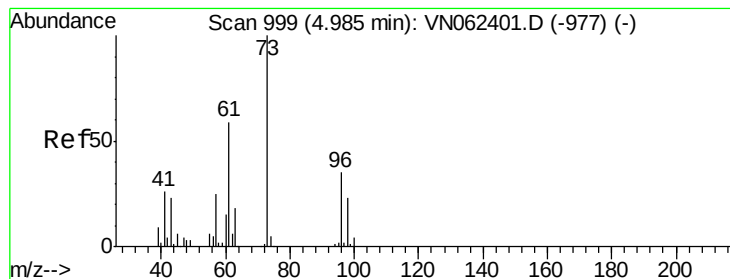
Tgt Ion: 73 Resp: 147164
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.0



#20
Methylene Chloride
Concen: 17.449 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 84 Resp: 50483
Ion Ratio Lower Upper
84 100
49 144.1 120.0 180.0
51 43.9 37.0 55.6
86 59.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.255 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

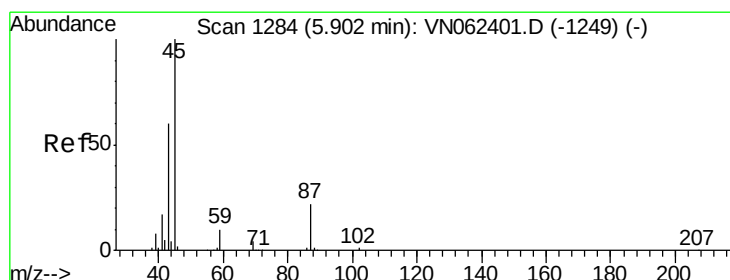
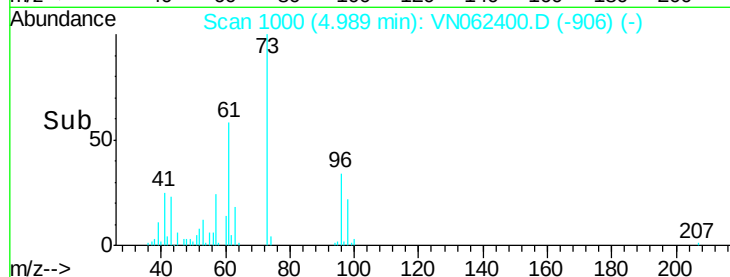
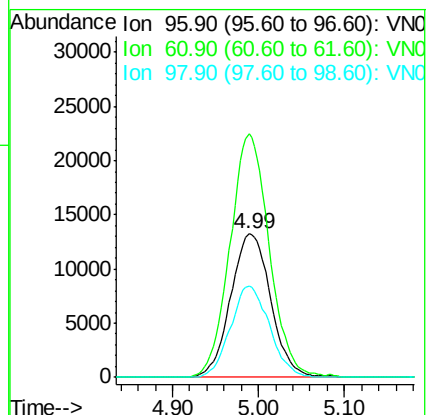
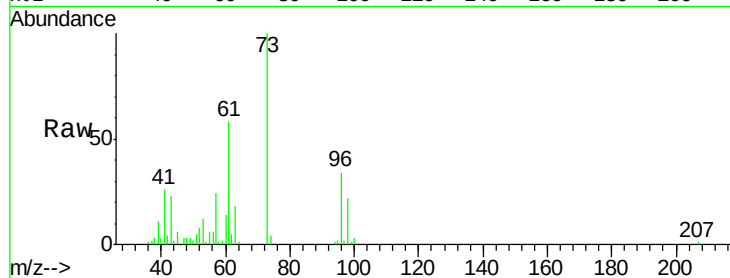
Tgt Ion: 96 Resp: 42981

Ion Ratio Lower Upper

96 100

61 169.5 133.5 200.3

98 63.5 51.9 77.9



#22

Diisopropyl ether

Concen: 19.249 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion: 45 Resp: 186958

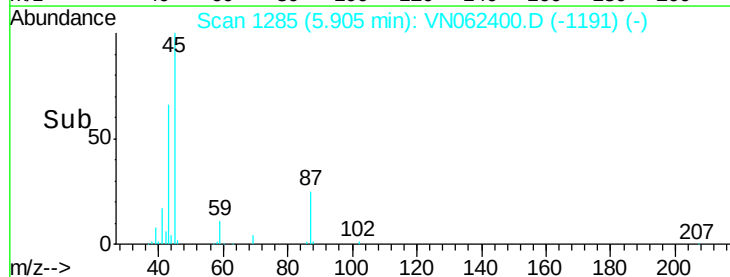
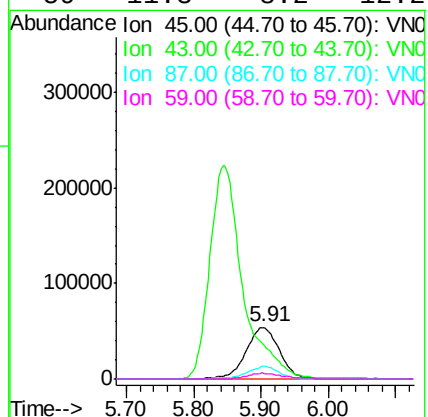
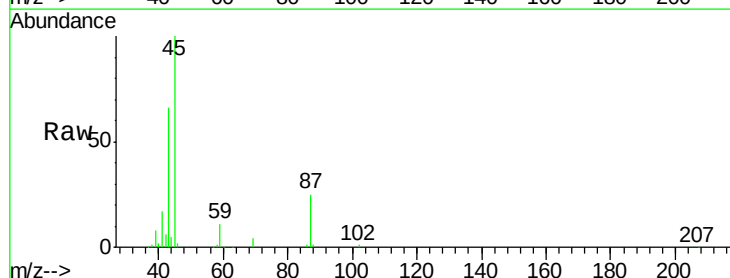
Ion Ratio Lower Upper

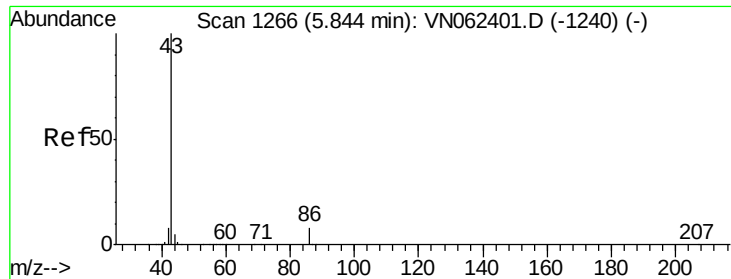
45 100

43 63.4 50.1 75.1

87 24.8 18.2 27.4

59 11.3 8.2 12.2





#23

Vinyl Acetate

Concen: 101.903 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

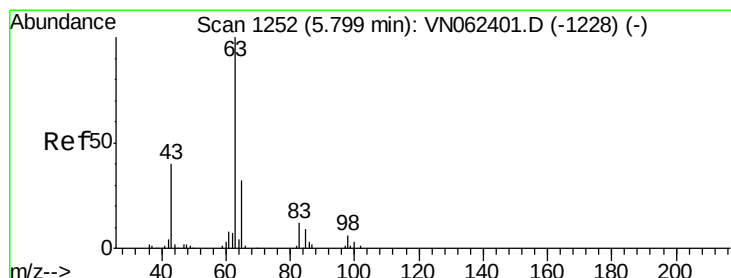
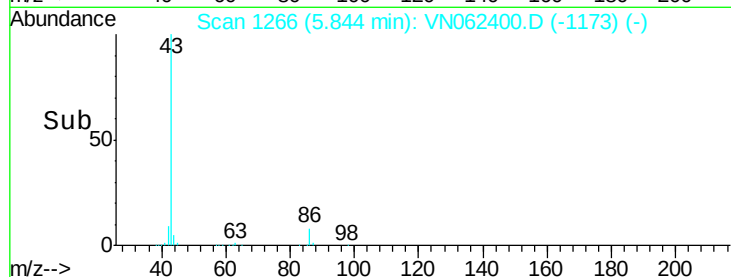
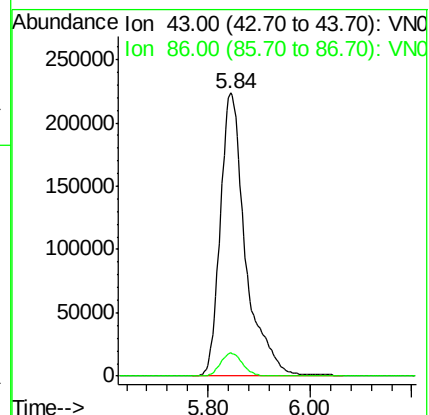
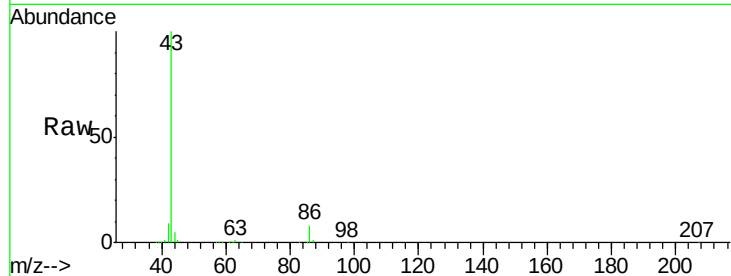
VSTDIC020

Tgt Ion: 43 Resp: 768706

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1



#24

1,1-Dichloroethane

Concen: 19.424 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

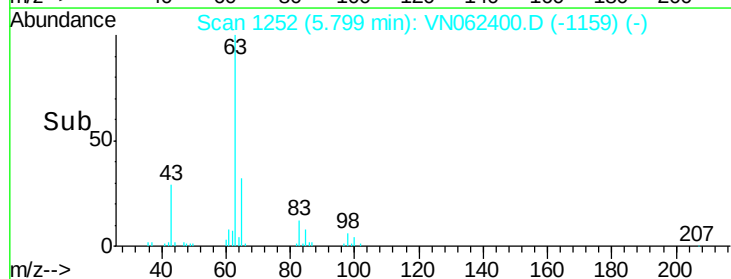
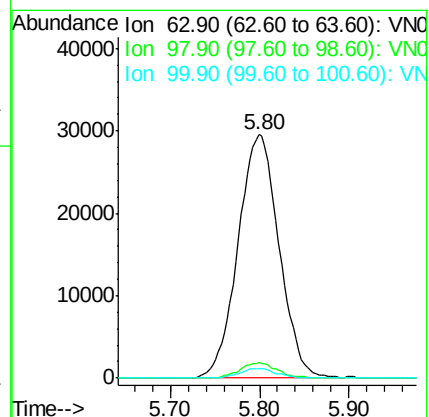
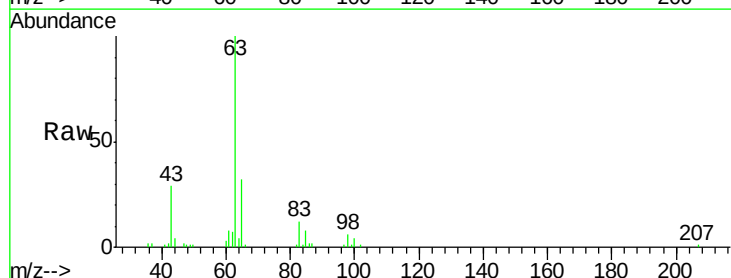
Tgt Ion: 63 Resp: 94342

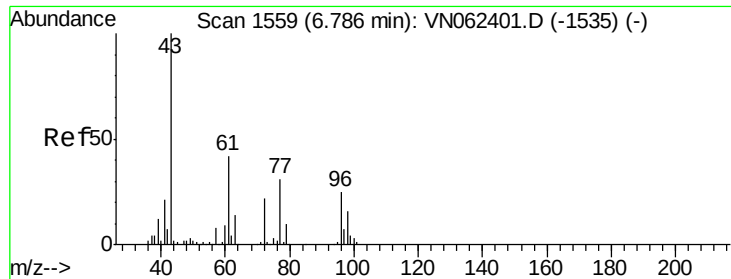
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.7 1.8 5.3

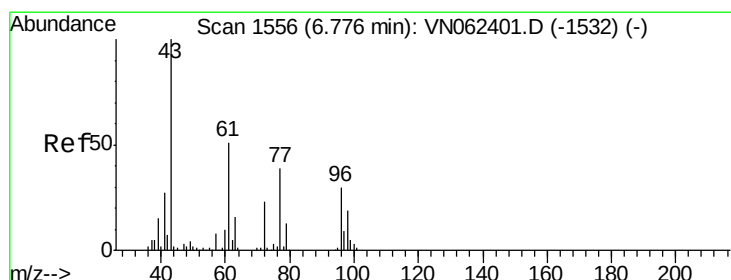
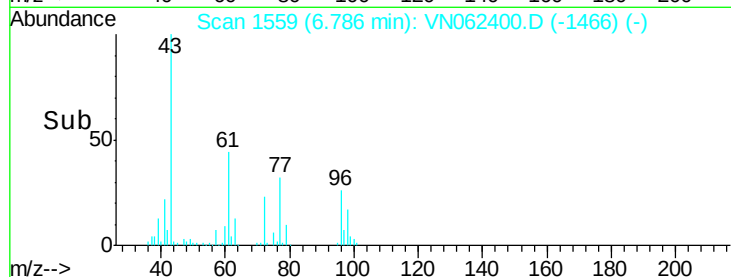
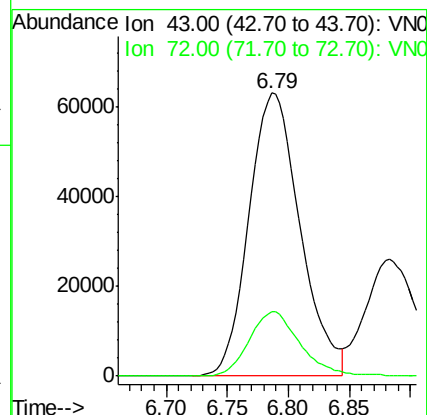
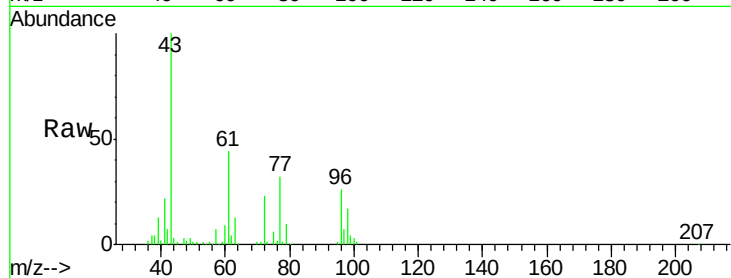




#25
 2-Butanone
 Concen: 90.532 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

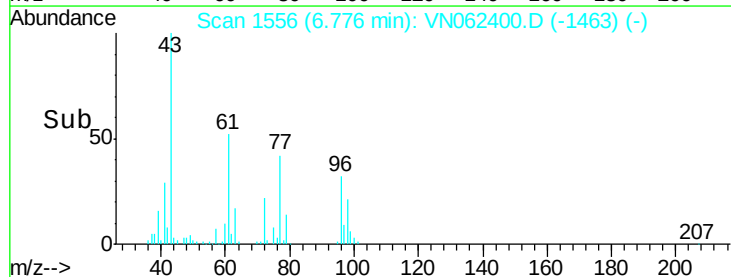
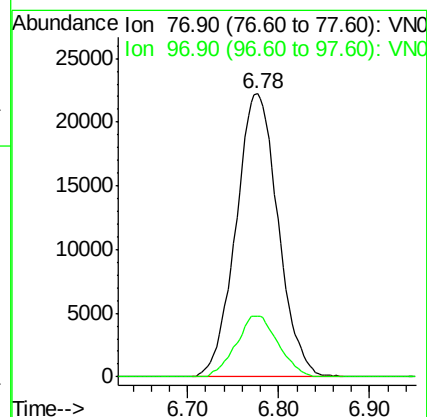
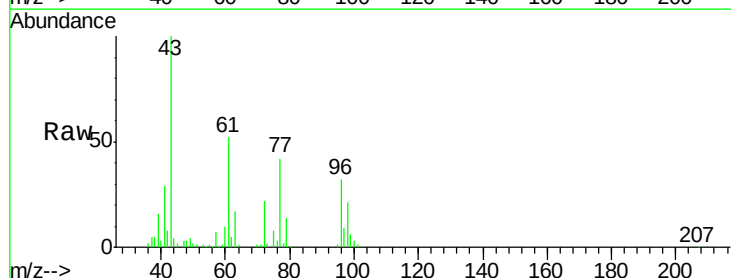
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

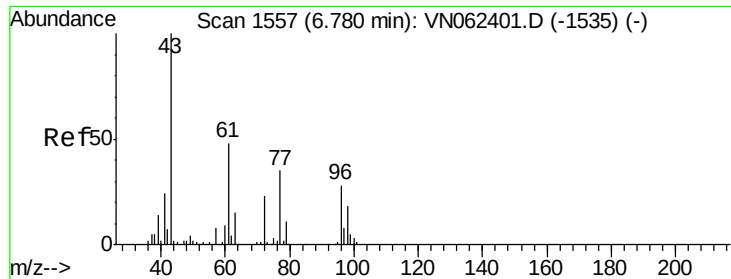
Tgt Ion: 43 Resp: 182678
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.9 26.9



#26
 2,2-Dichloropropane
 Concen: 18.094 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 77 Resp: 71422
 Ion Ratio Lower Upper
 77 100
 97 21.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.607 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

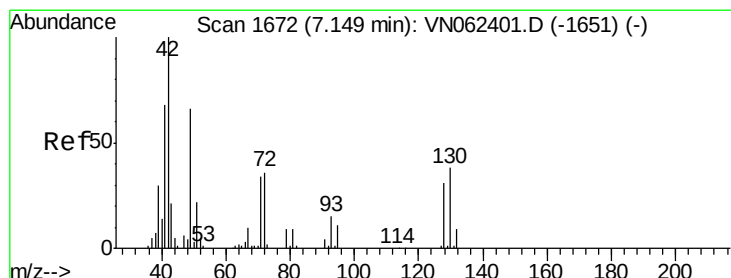
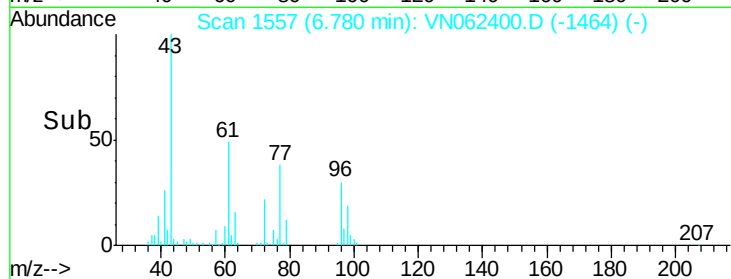
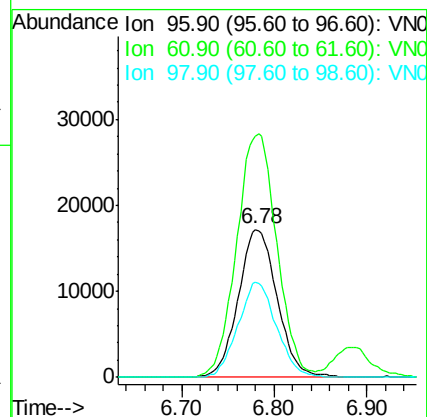
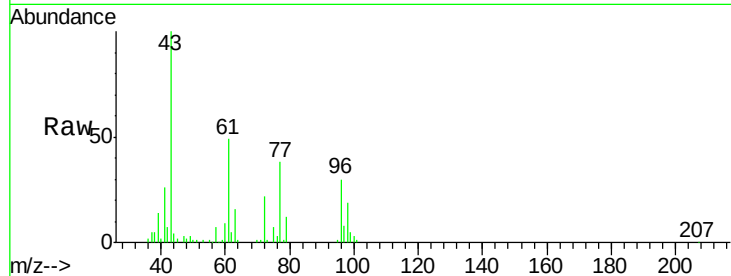
Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 49975

Ion	Ratio	Lower	Upper
96	100		
61	170.0	0.0	343.4
98	63.6	0.0	128.4



#28

Bromochloromethane

Concen: 18.773 ug/l

RT: 7.15 min Scan# 1672

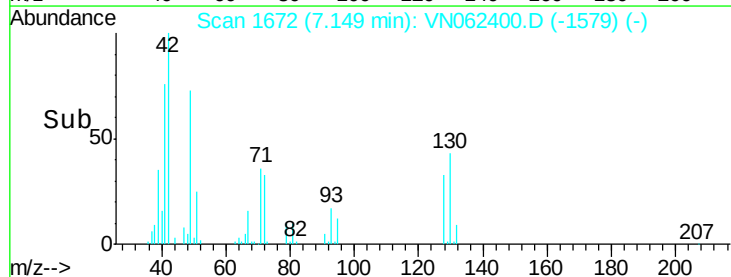
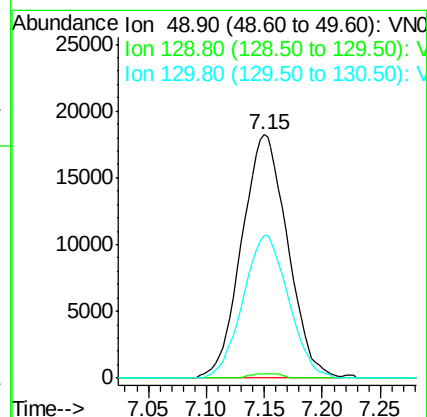
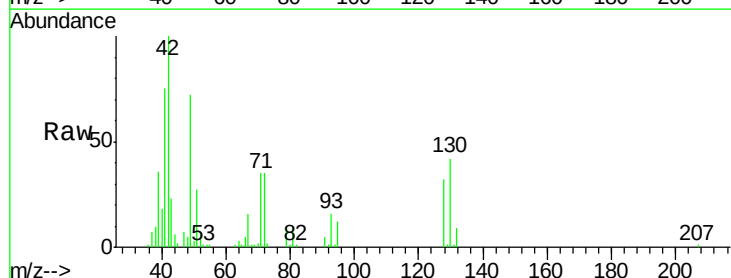
Delta R.T. 0.00 min

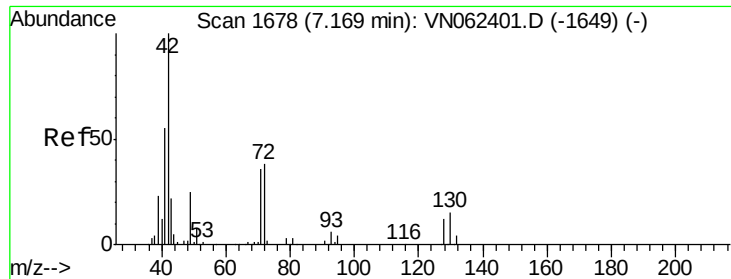
Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion: 49 Resp: 50099

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.8
130	58.1	46.5	69.7

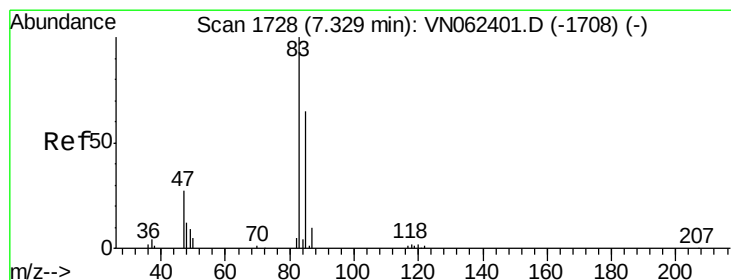
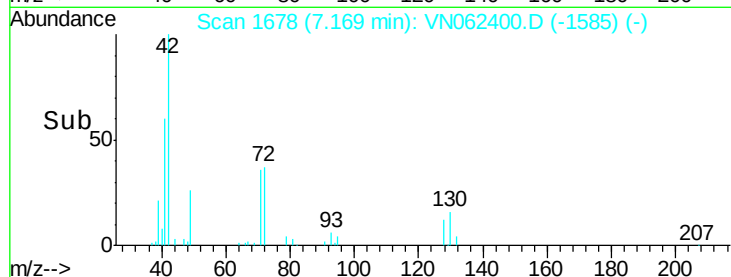
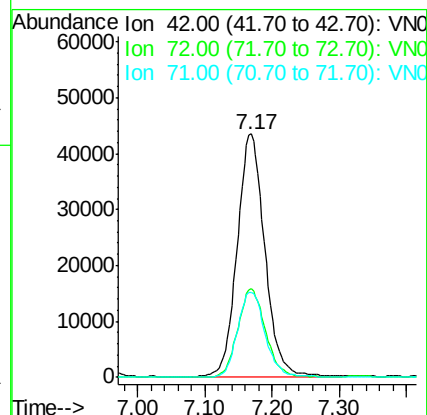
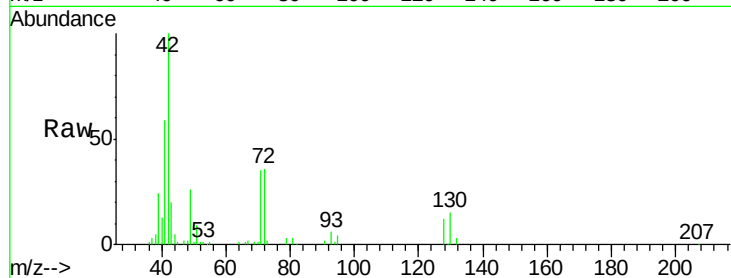




#29
Tetrahydrofuran
Concen: 96.965 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

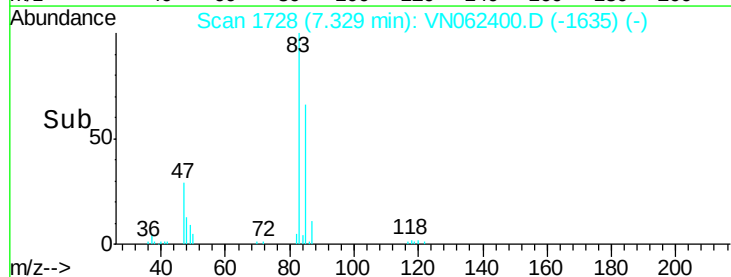
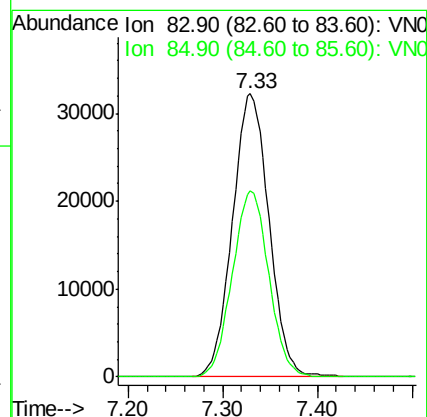
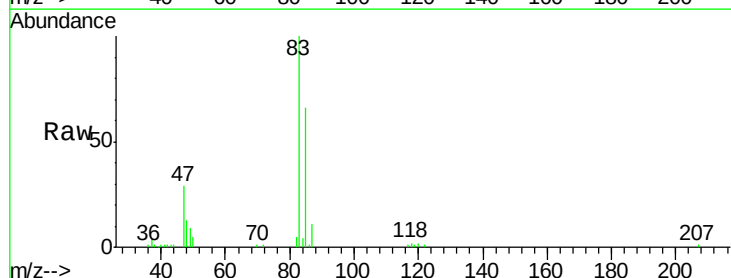
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

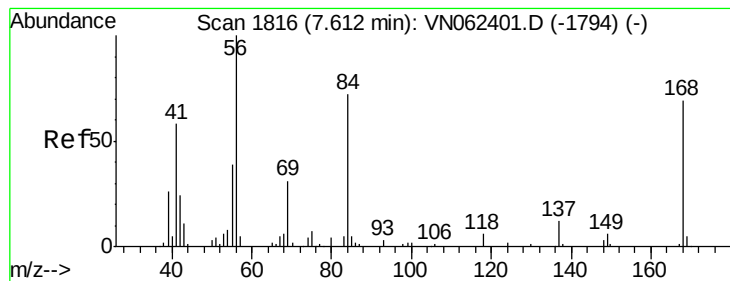
Tgt Ion: 42 Resp: 124902
Ion Ratio Lower Upper
42 100
72 35.9 29.1 43.7
71 34.6 28.1 42.1



#30
Chloroform
Concen: 18.449 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 83 Resp: 86536
Ion Ratio Lower Upper
83 100
85 65.7 51.8 77.6





#31

Cyclohexane

Concen: 19.297 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

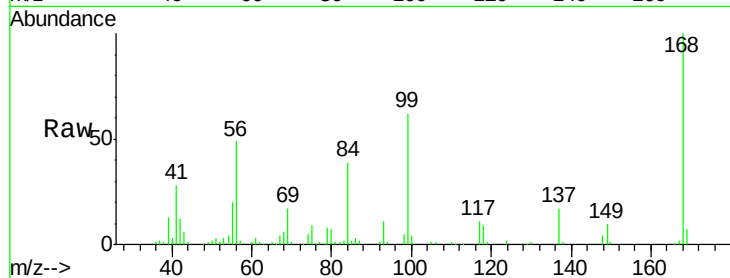
Tgt Ion: 56 Resp: 86863

Ion Ratio Lower Upper

56 100

69 35.5 24.5 36.7

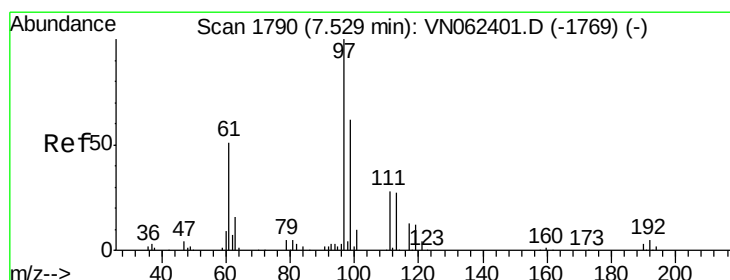
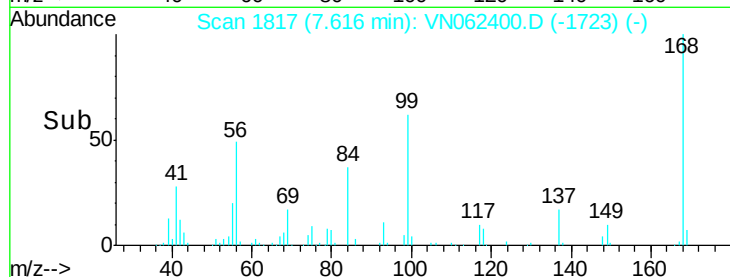
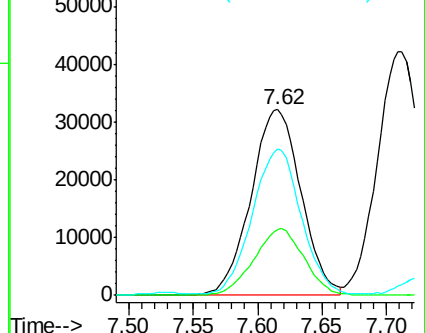
84 77.8 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN062400.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062400.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062400.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 18.208 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

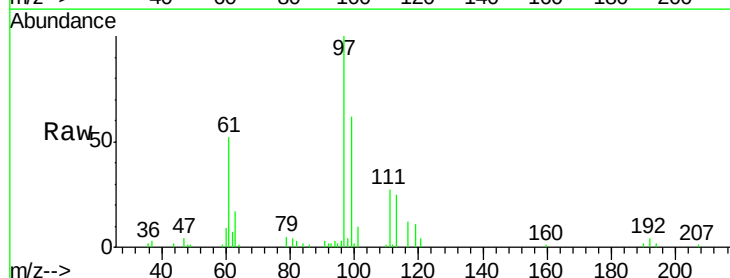
Tgt Ion: 97 Resp: 71479

Ion Ratio Lower Upper

97 100

99 63.0 50.4 75.6

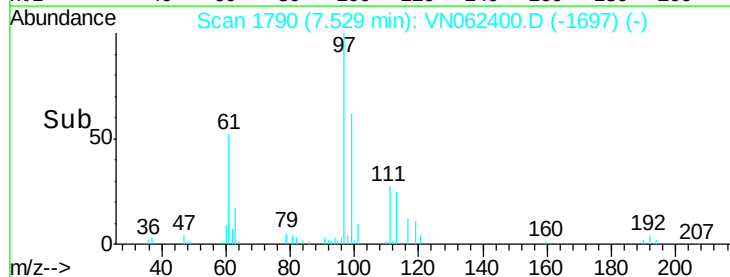
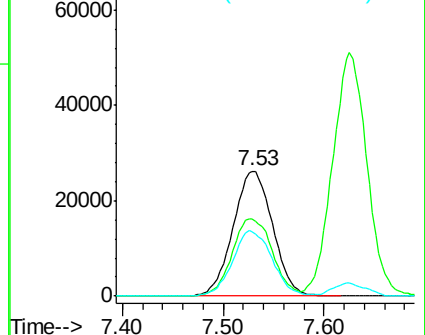
61 52.2 39.9 59.9

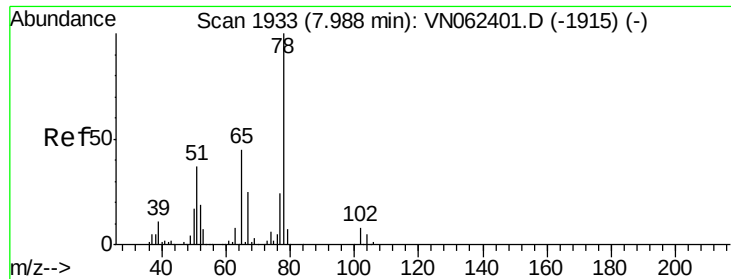


Abundance Ion 96.90 (96.60 to 97.60): VN062400.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062400.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062400.D (-1697) (-)

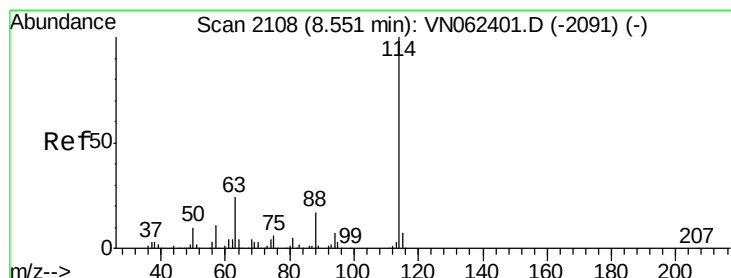
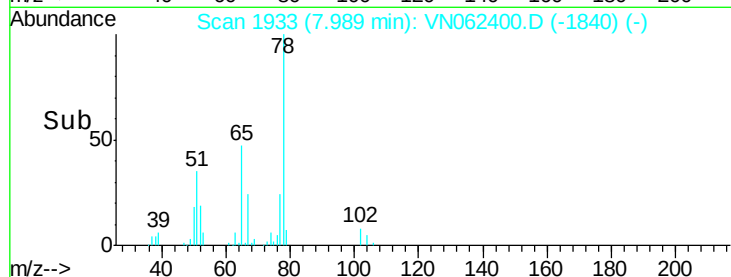
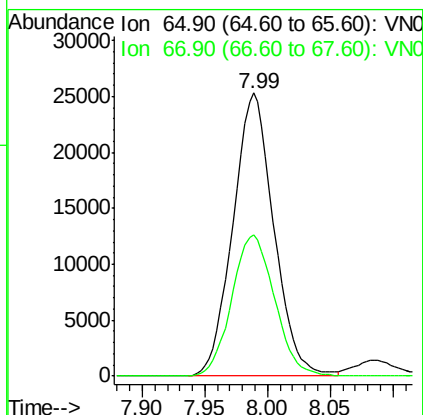
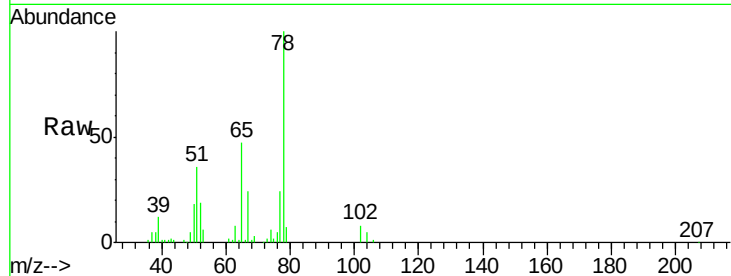




#33
 1,2-Dichloroethane-d4
 Concen: 16.810 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

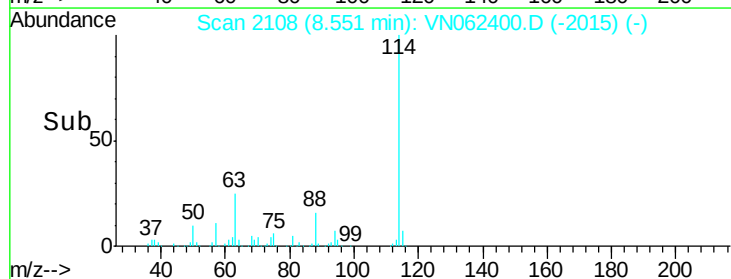
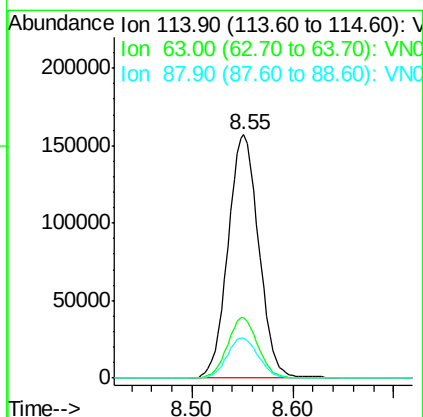
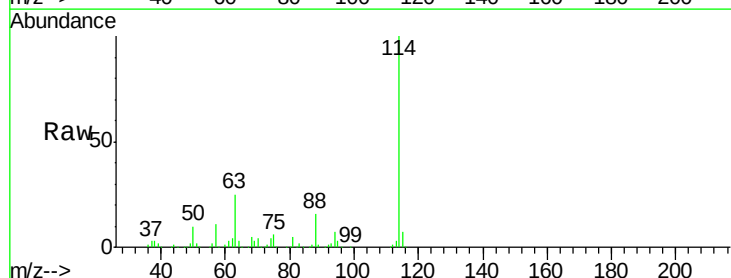
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

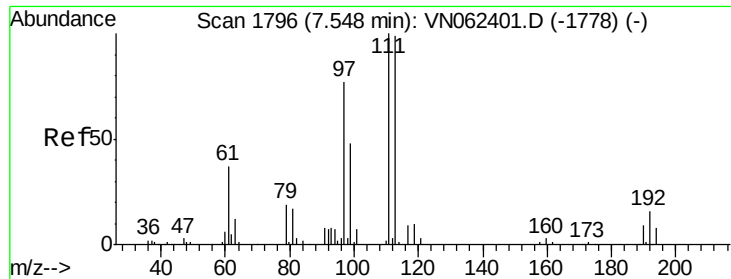
Tgt Ion: 65 Resp: 57346
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 114 Resp: 332809
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.4
 88 16.4 0.0 33.8

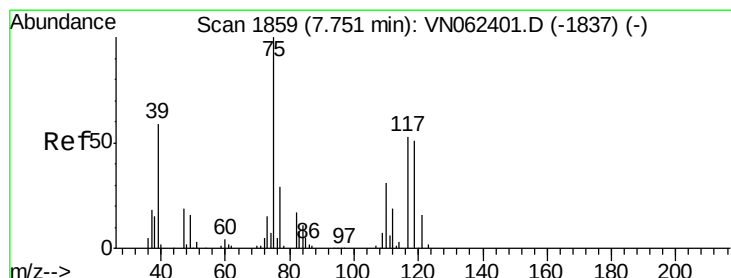
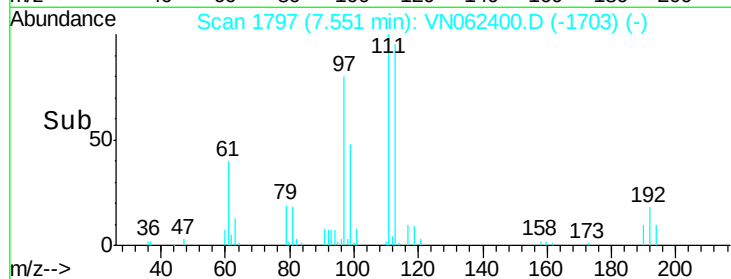
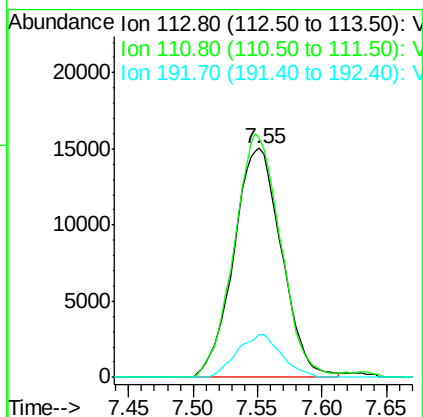
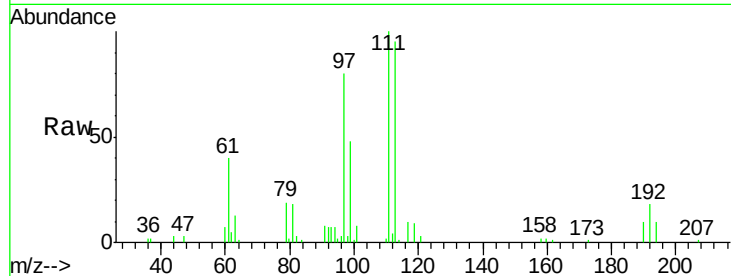




#35
 Dibromofluoromethane
 Concen: 17.423 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

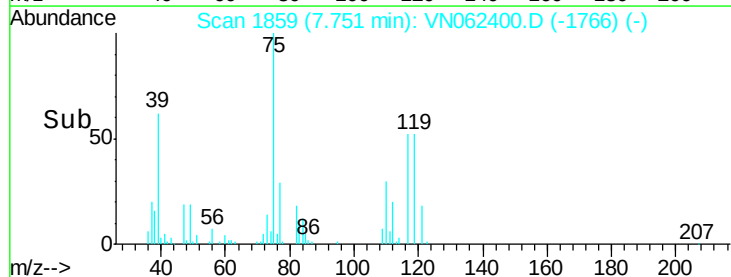
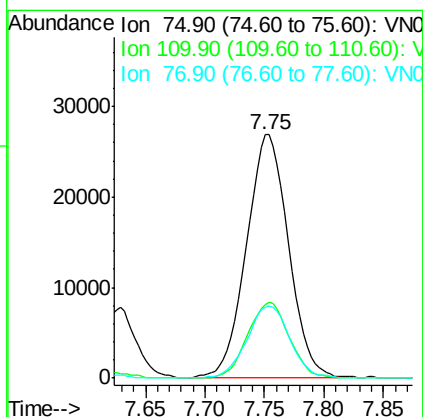
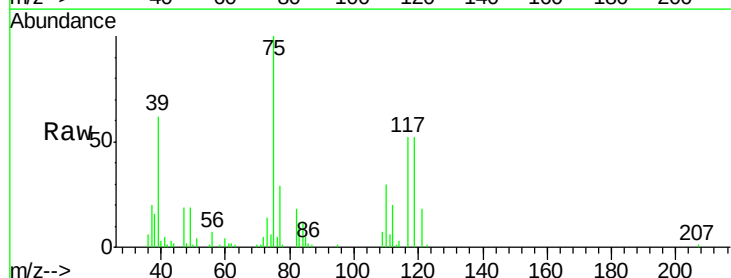
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

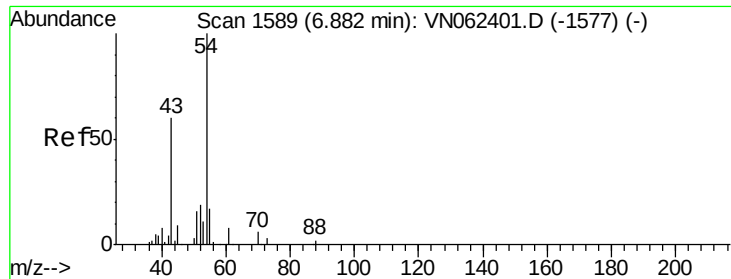
Tgt Ion: 113 Resp: 38817
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.1 124.7
 192 17.3 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 18.696 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 75 Resp: 65878
 Ion Ratio Lower Upper
 75 100
 110 30.6 15.4 46.2
 77 30.2 24.1 36.1

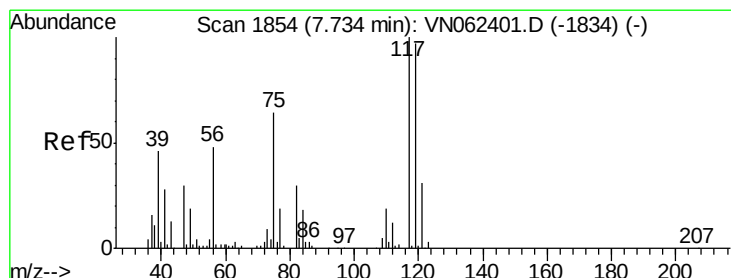
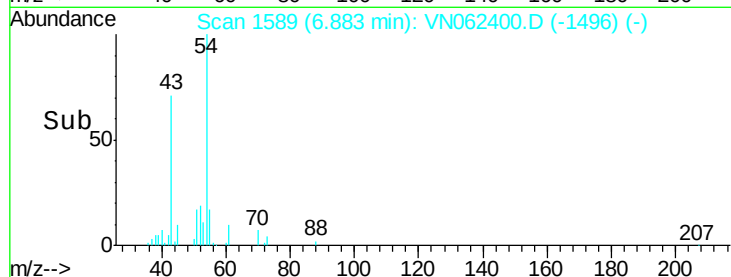
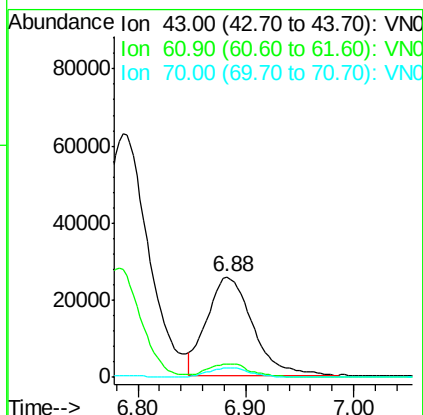
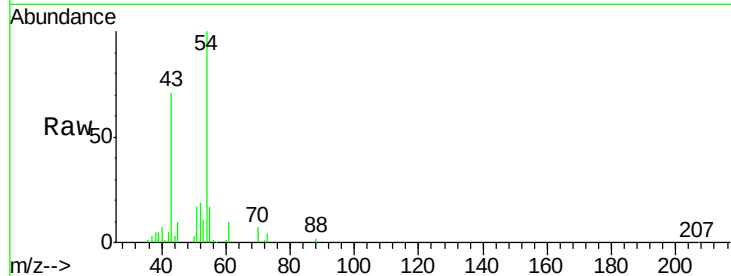




#37
Ethyl Acetate
 Concen: 18.399 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

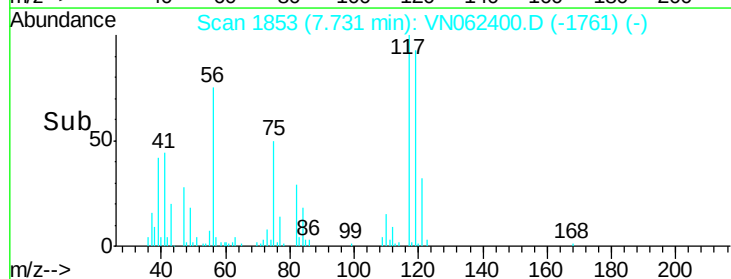
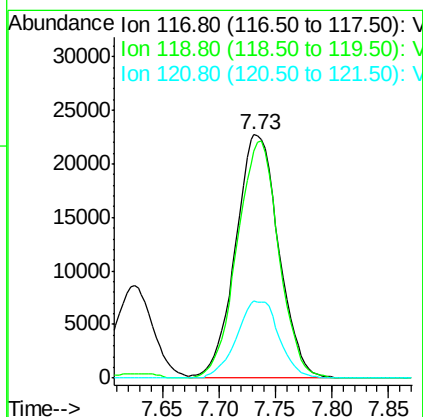
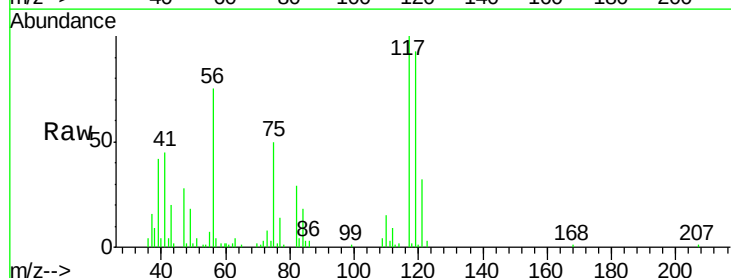
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

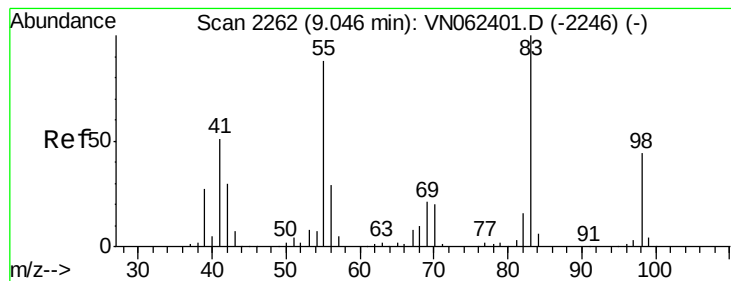
Tgt Ion: 43 Resp: 75457
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.7 16.1
 70 9.0 7.2 10.8



#38
Carbon Tetrachloride
 Concen: 17.320 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 117 Resp: 60231
 Ion Ratio Lower Upper
 117 100
 119 93.0 77.2 115.8
 121 31.8 24.8 37.2





#39

Methylcyclohexane

Concen: 18.883 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

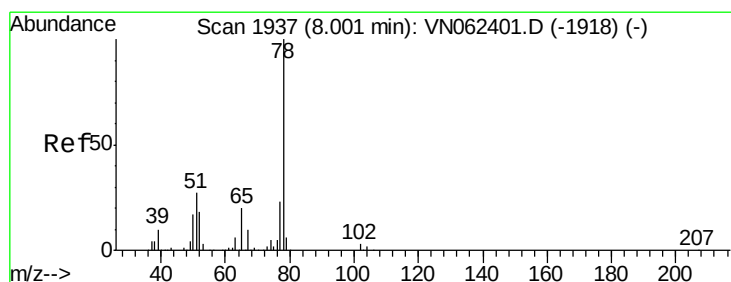
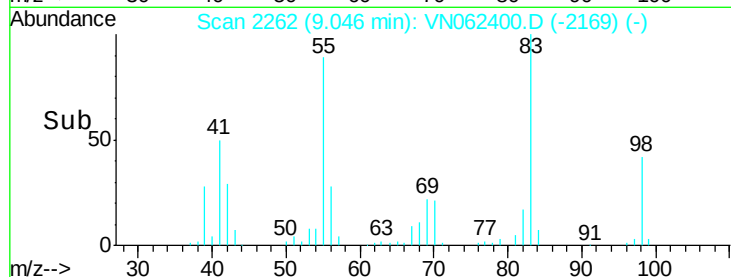
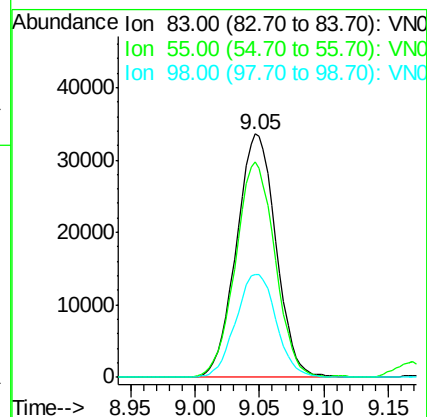
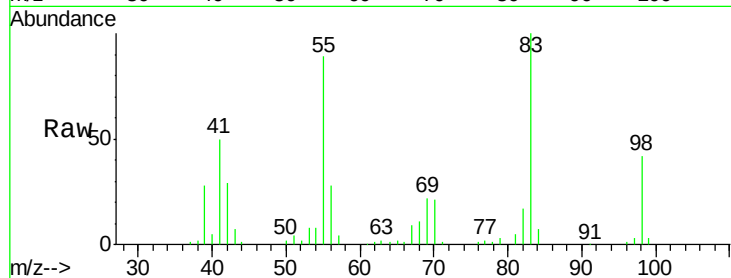
Tgt Ion: 83 Resp: 71623

Ion Ratio Lower Upper

83 100

55 88.6 70.5 105.7

98 42.4 35.5 53.3



#40

Benzene

Concen: 19.728 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062400.D

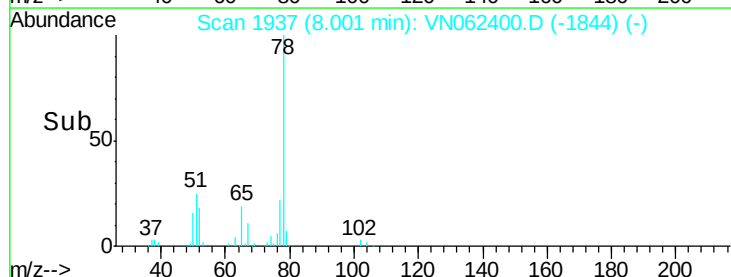
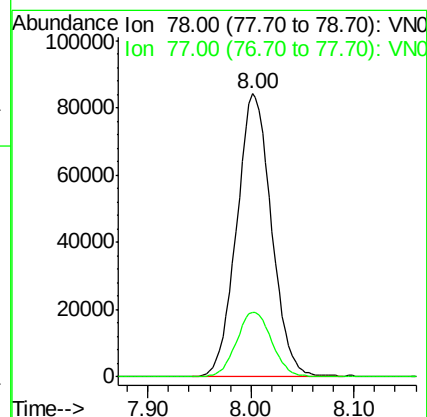
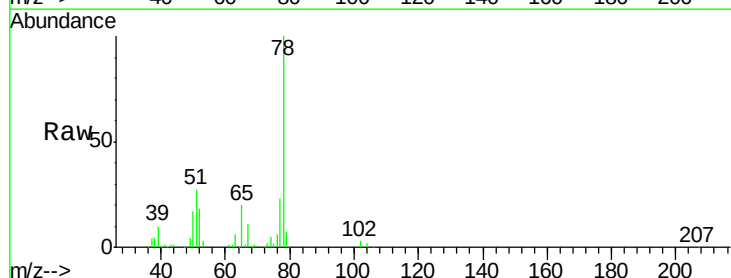
Acq: 8 Jul 2020 11:02

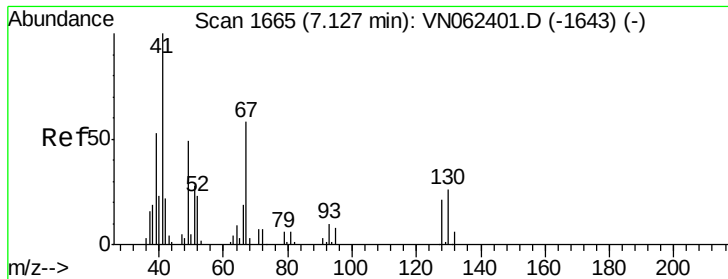
Tgt Ion: 78 Resp: 197746

Ion Ratio Lower Upper

78 100

77 22.6 18.7 28.1

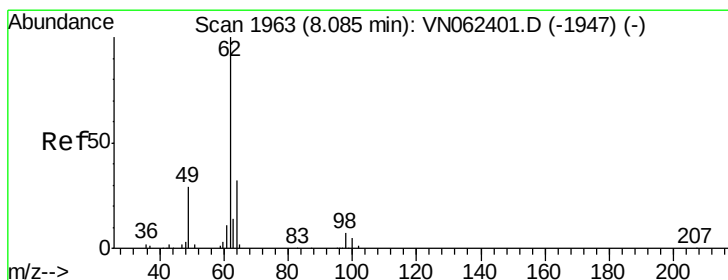
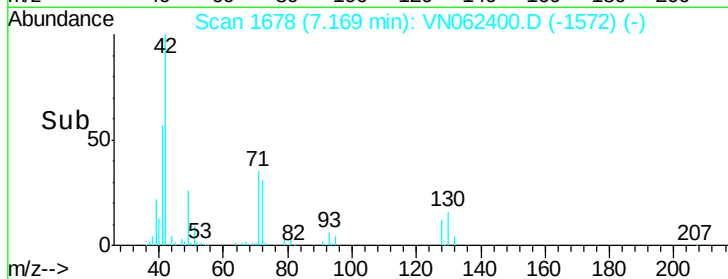
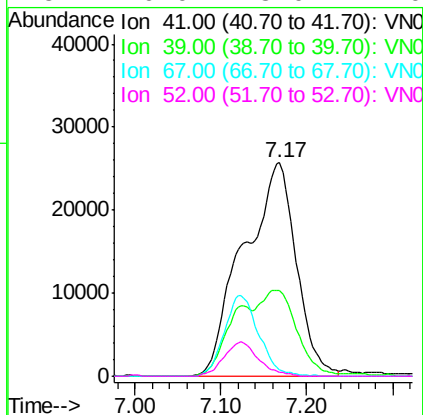
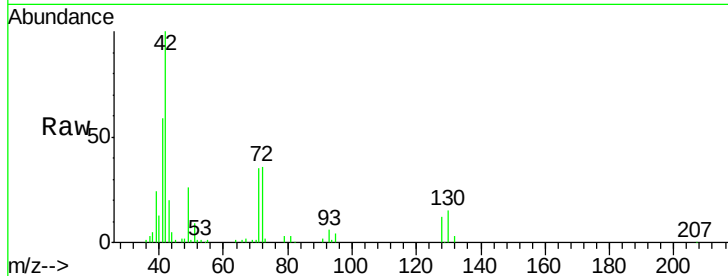




#41
Methacrylonitrile
Concen: 53.616 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

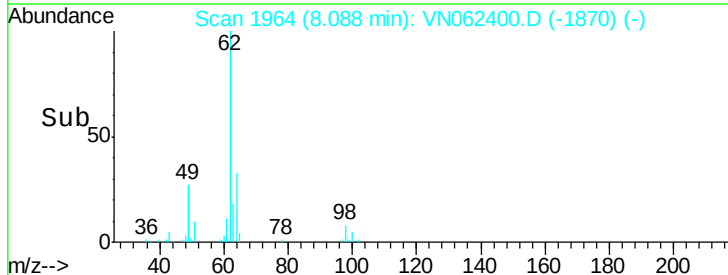
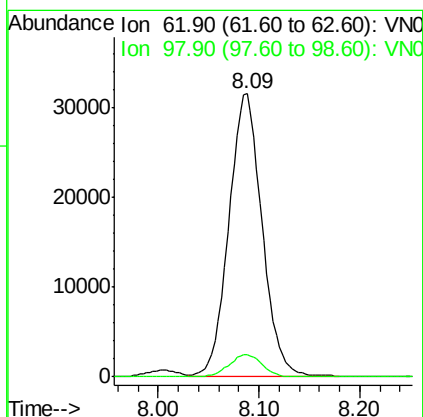
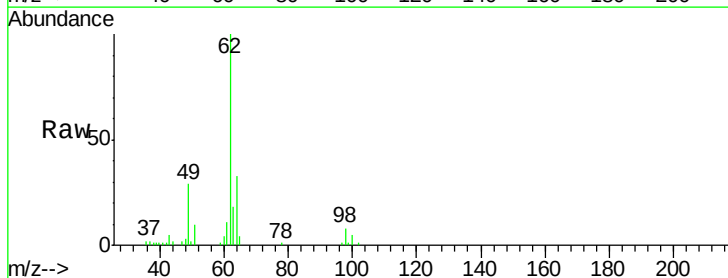
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

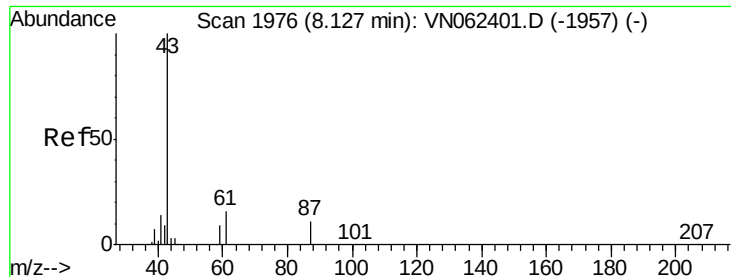
Tgt Ion:	41	Resp:	109519
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#



#42
1,2-Dichloroethane
Concen: 16.841 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:	62	Resp:	72503
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 18.076 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

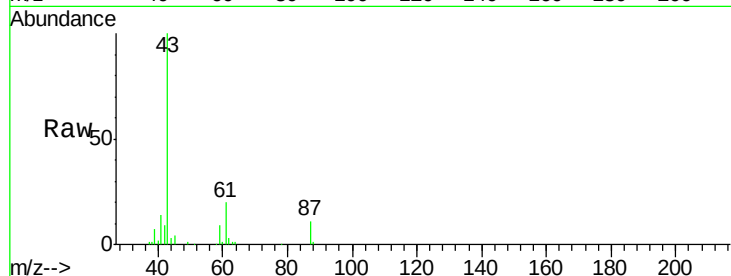
Tgt Ion: 43 Resp: 123824

Ion Ratio Lower Upper

43 100

61 24.9 19.3 28.9

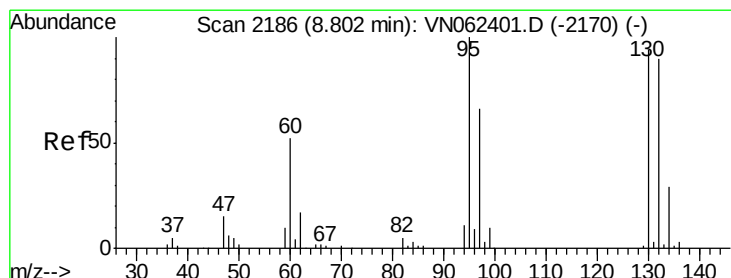
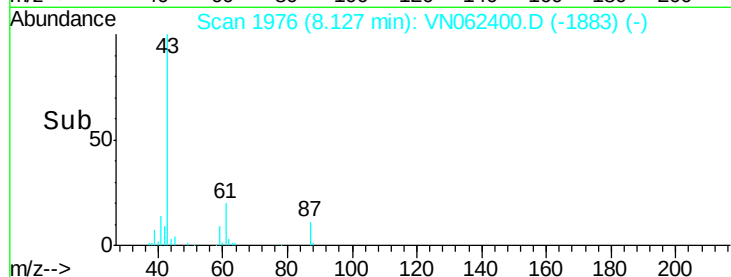
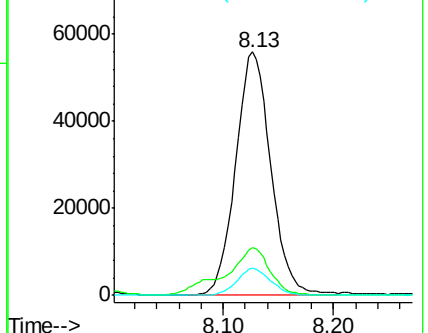
87 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062400.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062400.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062400.D (-1883) (-)



#44

Trichloroethene

Concen: 18.132 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062400.D

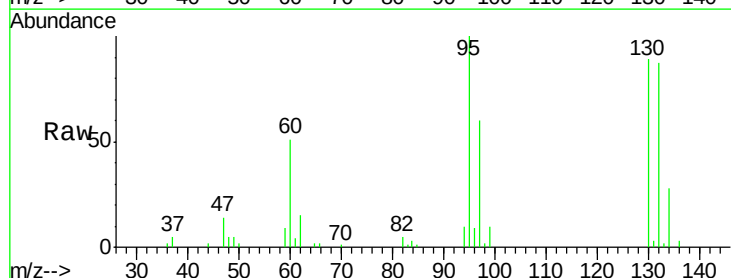
Acq: 8 Jul 2020 11:02

Tgt Ion: 130 Resp: 43137

Ion Ratio Lower Upper

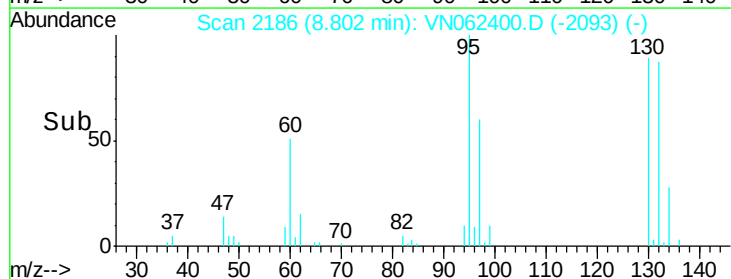
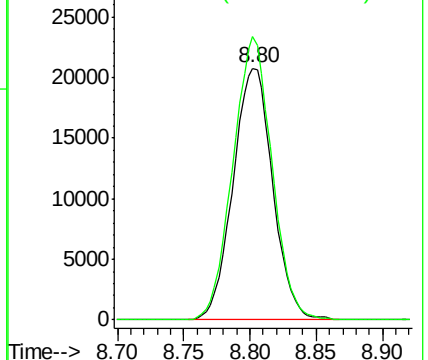
130 100

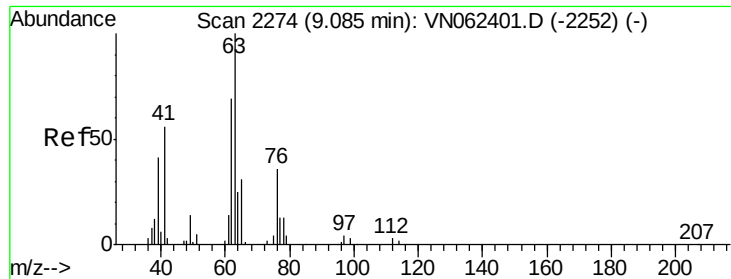
95 112.5 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062400.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062400.D (-2093) (-)

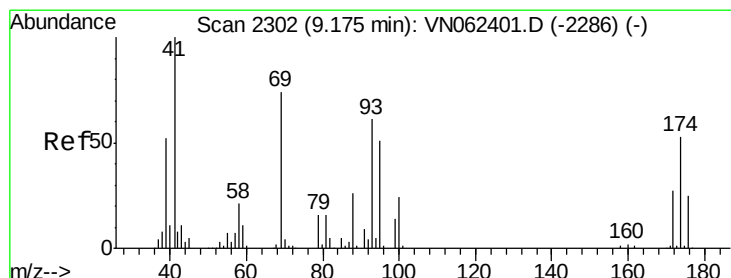
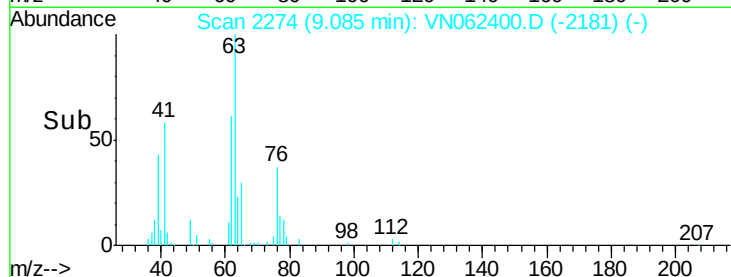
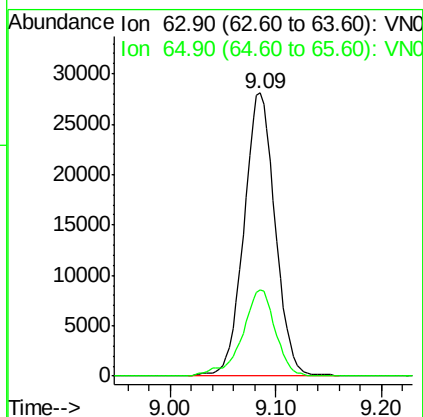
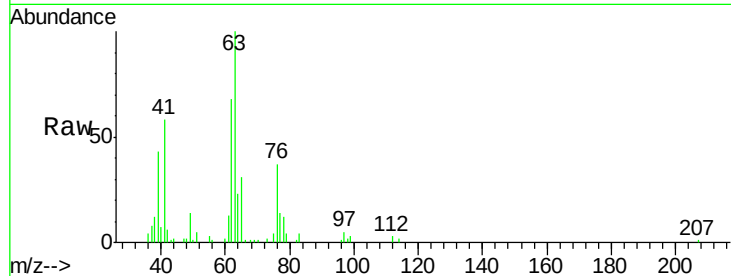




#45
 1,2-Dichloropropane
 Concen: 19.693 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

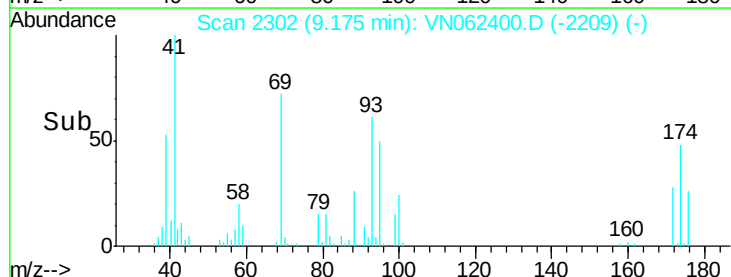
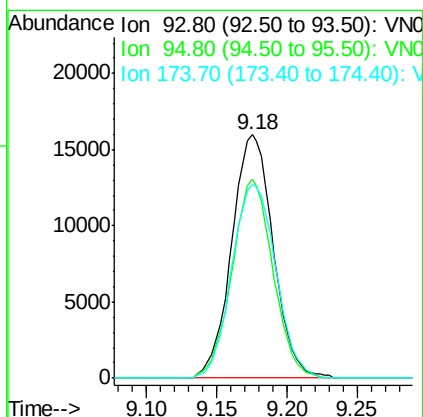
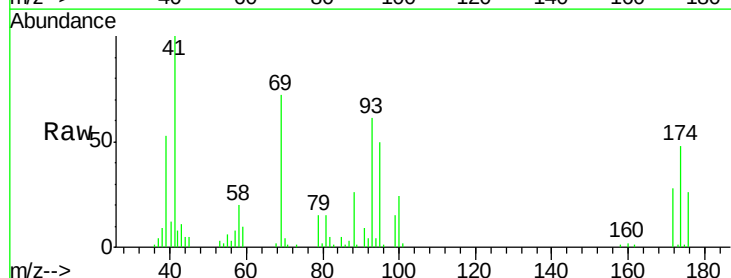
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

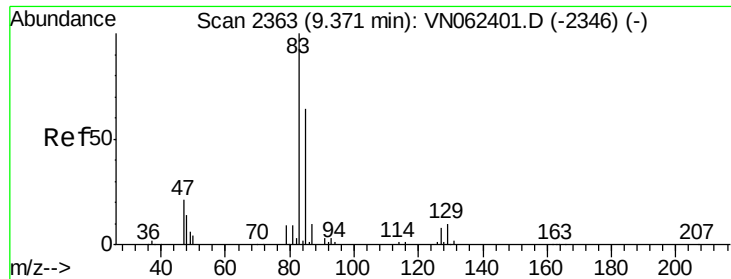
Tgt Ion: 63 Resp: 57890
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 18.342 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 93 Resp: 32909
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.1 100.7
 174 84.1 70.4 105.6





#47

Bromodichloromethane

Concen: 18.037 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

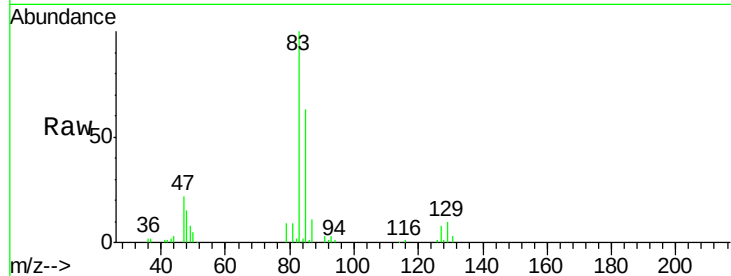
Tgt Ion: 83 Resp: 69033

Ion Ratio Lower Upper

83 100

85 63.2 51.2 76.8

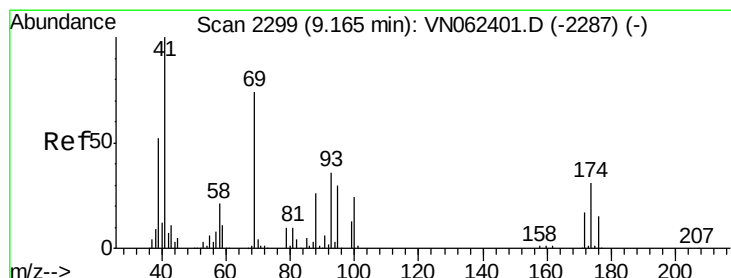
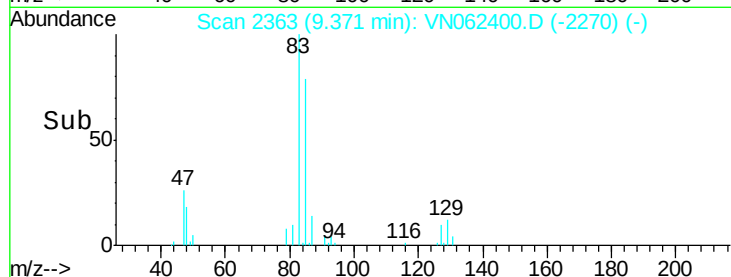
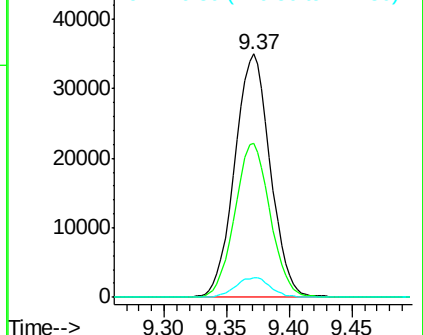
127 8.0 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062400.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062400.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062400.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.040 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

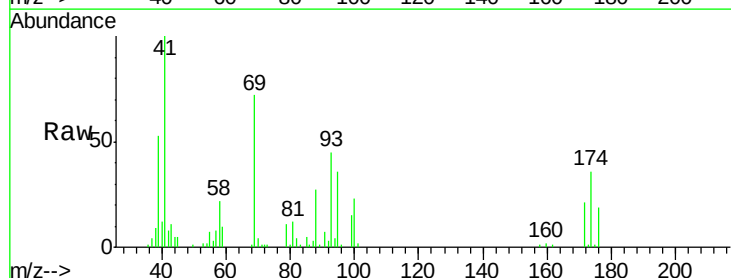
Tgt Ion: 41 Resp: 59330

Ion Ratio Lower Upper

41 100

69 74.0 60.8 91.2

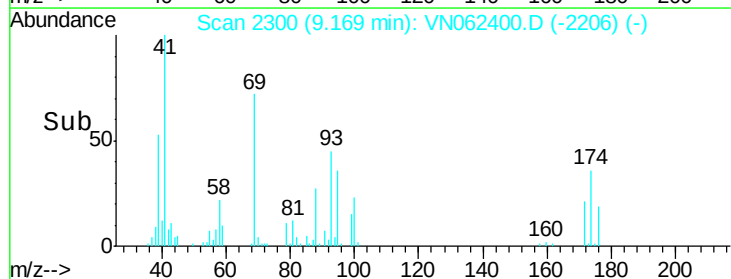
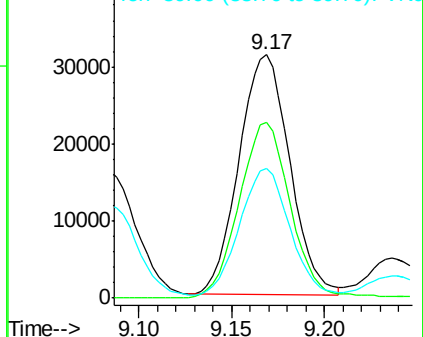
39 53.7 43.5 65.3

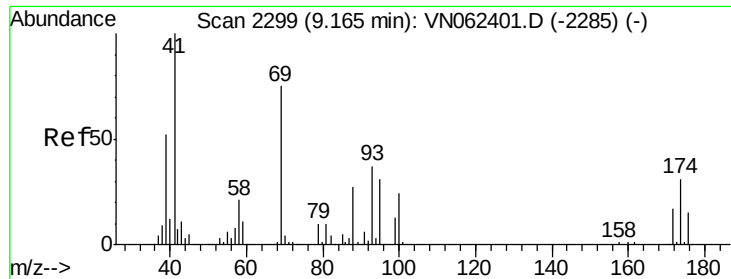


Abundance Ion 41.00 (40.70 to 41.70): VN062400.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062400.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062400.D (-2206) (-)

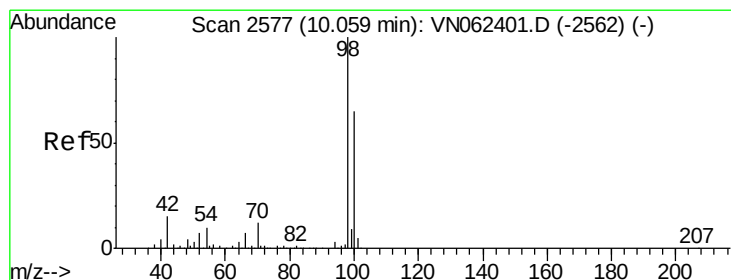
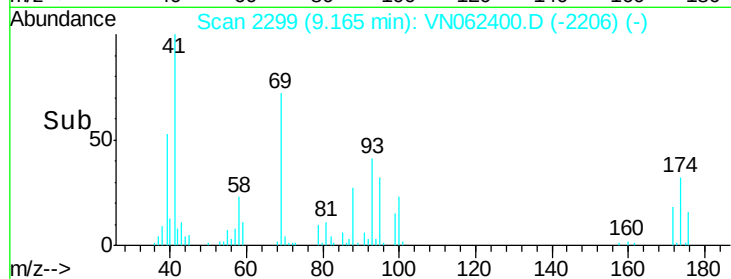
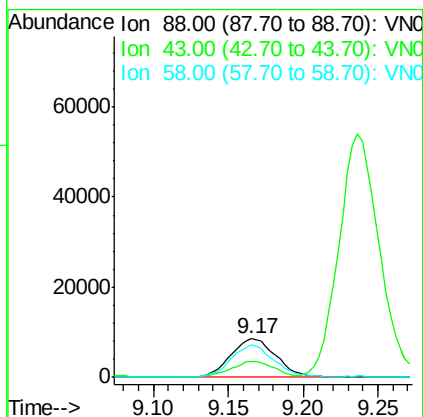
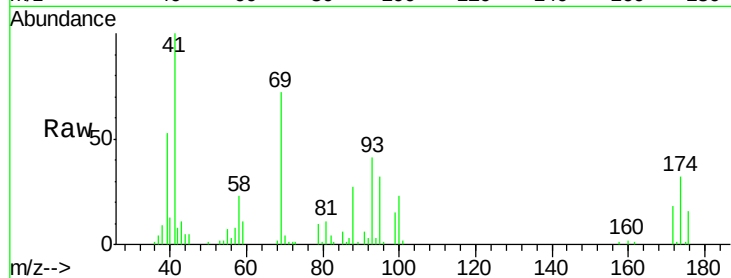




#49
1,4-Dioxane
Concen: 374.753 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

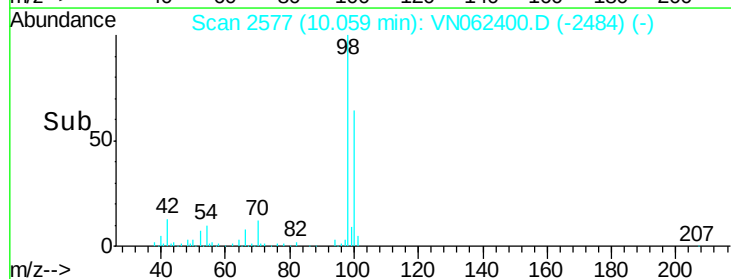
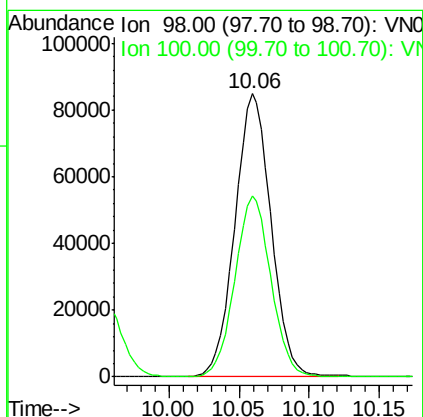
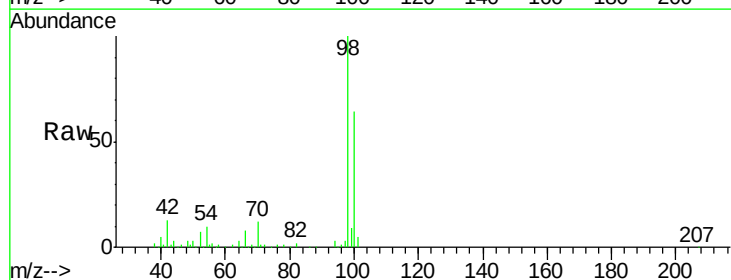
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

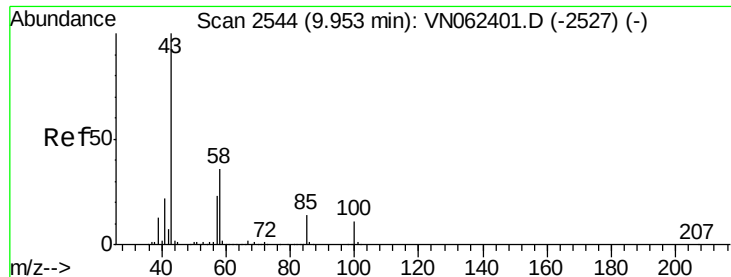
Tgt Ion: 88 Resp: 17928
Ion Ratio Lower Upper
88 100
43 40.7 31.0 46.4
58 81.1 63.3 94.9



#50
Toluene-d8
Concen: 18.252 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 98 Resp: 152638
Ion Ratio Lower Upper
98 100
100 62.8 51.5 77.3

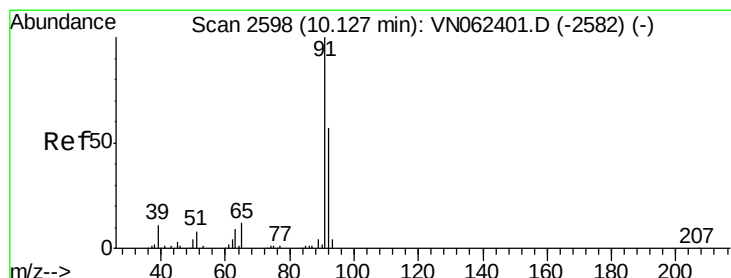
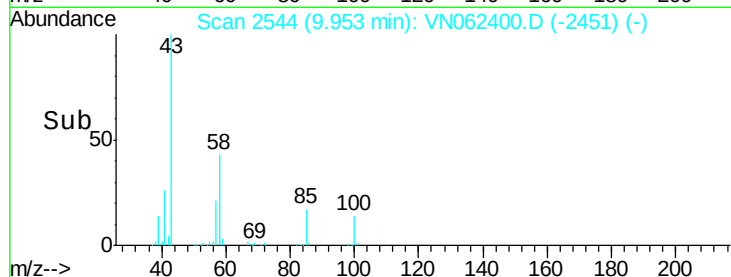
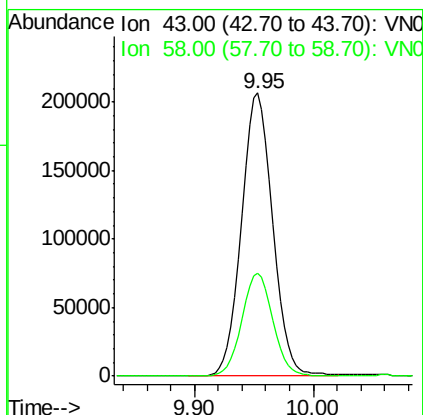
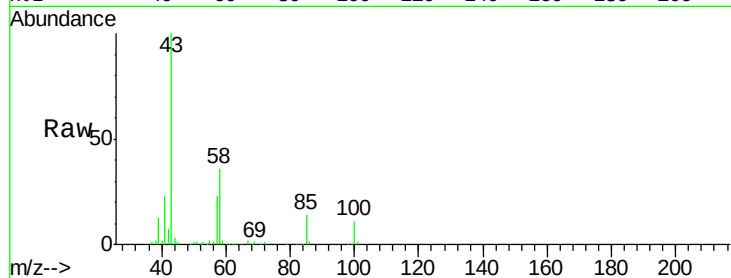




#51
 4-Methyl-2-Pentanone
 Concen: 101.727 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

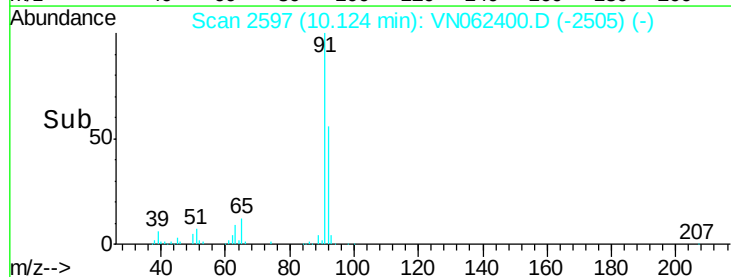
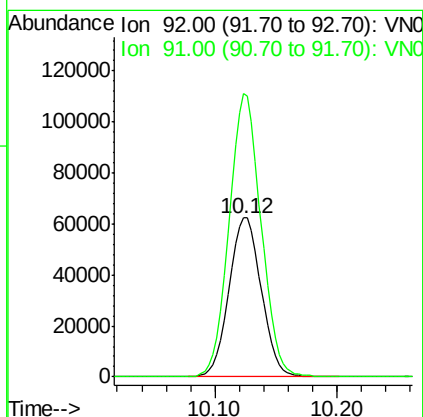
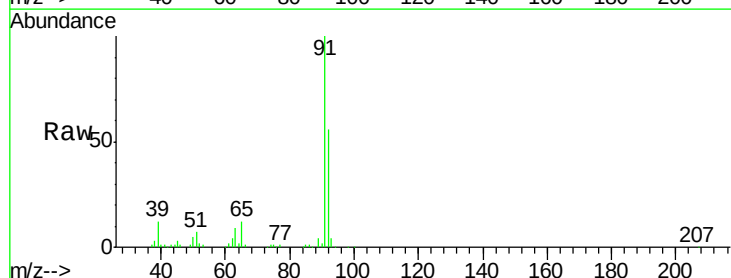
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

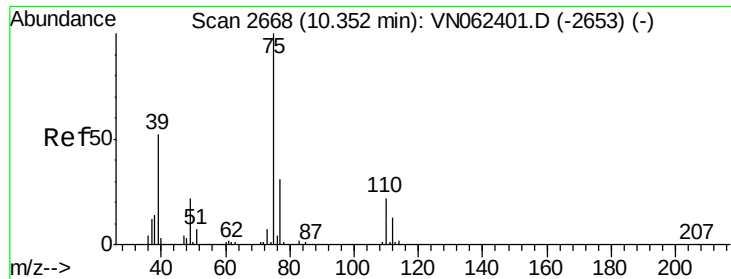
Tgt Ion: 43 Resp: 375819
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.6



#52
 Toluene
 Concen: 19.400 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 92 Resp: 115253
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 18.555 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

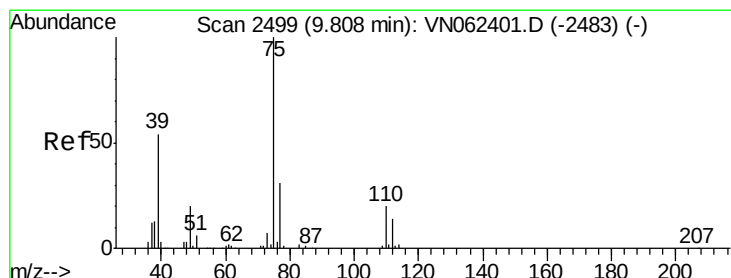
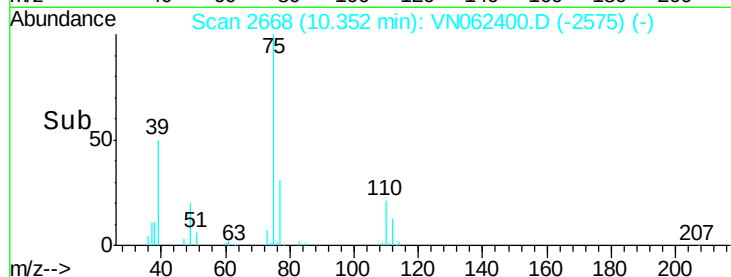
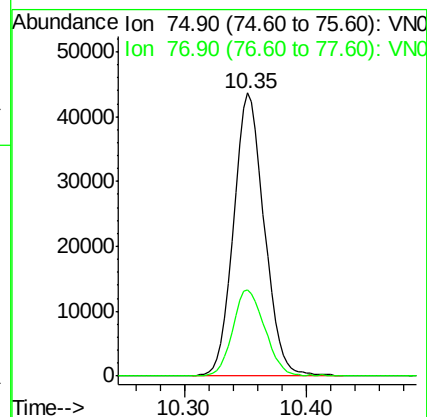
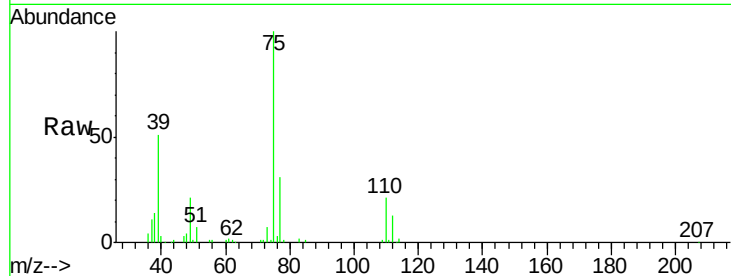
VSTDIC020

Tgt Ion: 75 Resp: 76461

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.967 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

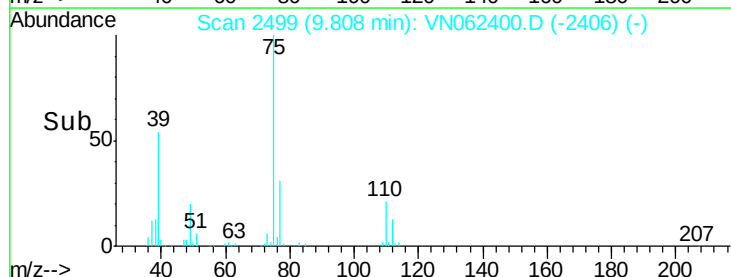
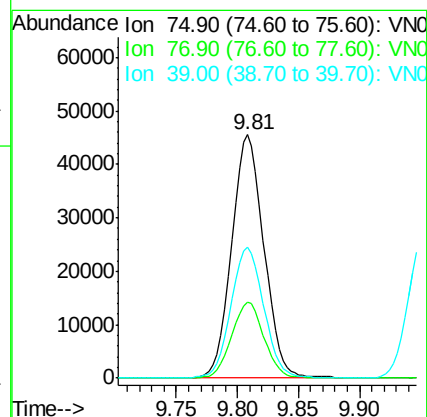
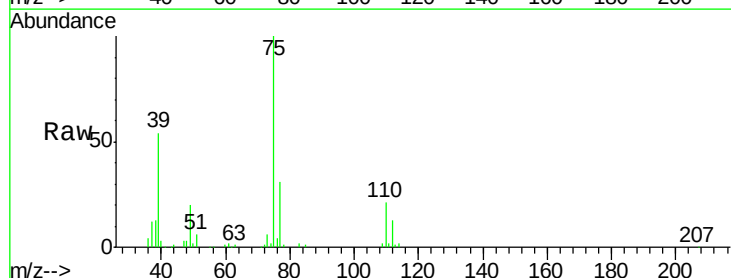
Tgt Ion: 75 Resp: 84125

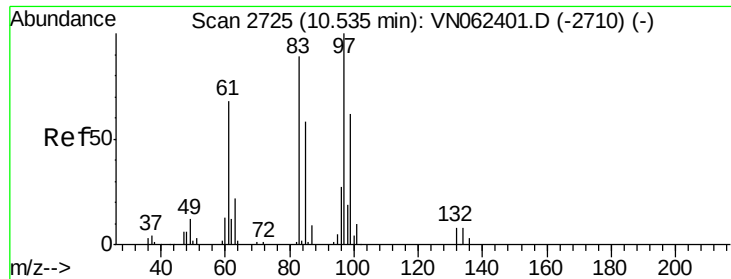
Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7

39 53.8 43.4 65.0

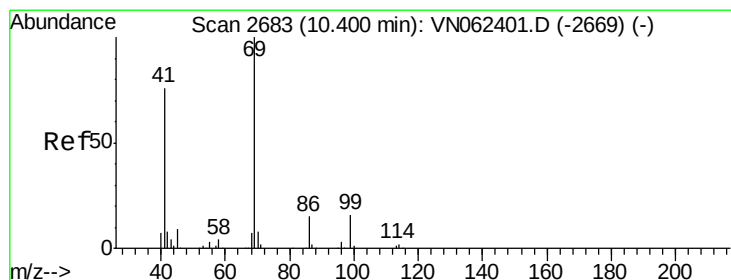
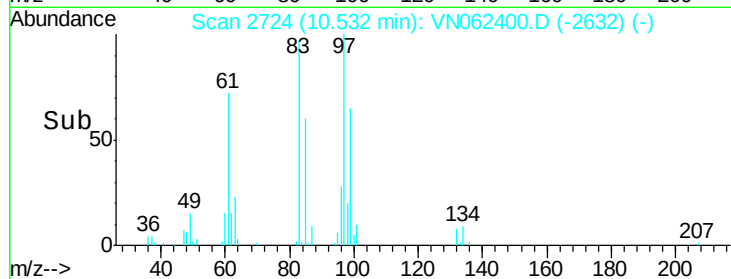
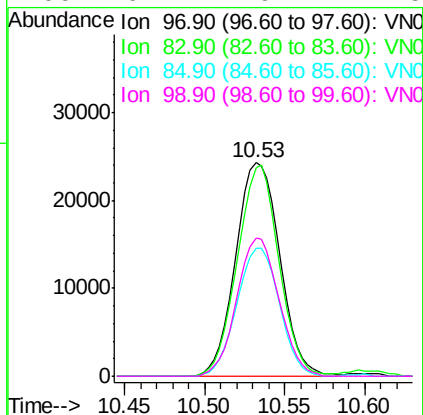
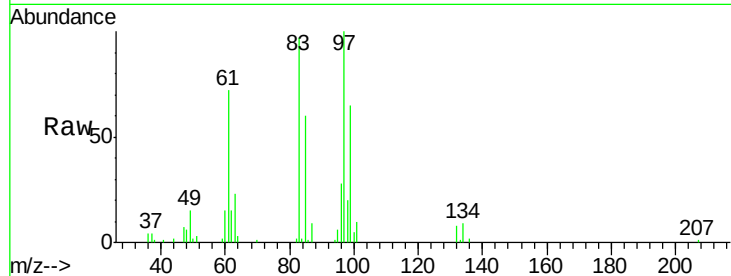




#55
 1,1,2-Trichloroethane
 Concen: 19.117 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

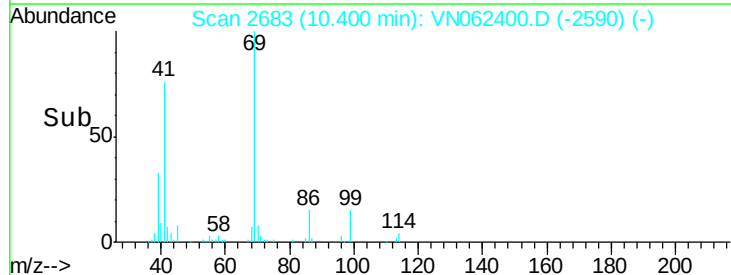
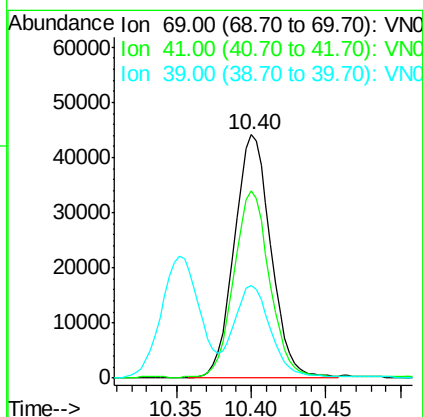
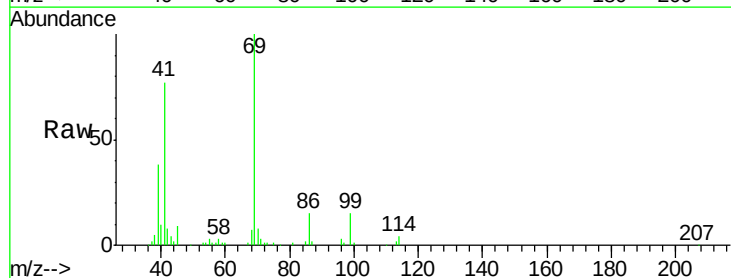
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

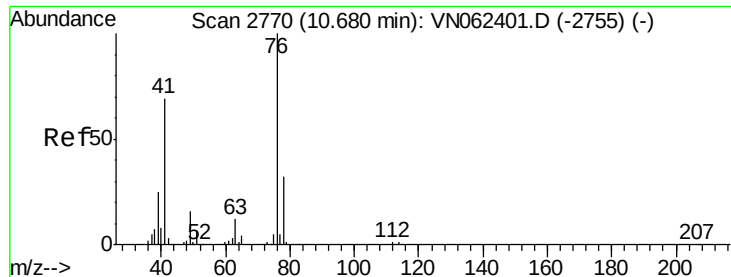
Tgt Ion: 97 Resp: 45778
 Ion Ratio Lower Upper
 97 100
 83 97.4 71.0 106.4
 85 60.0 46.2 69.4
 99 64.7 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 19.496 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 69 Resp: 75359
 Ion Ratio Lower Upper
 69 100
 41 76.4 59.7 89.5
 39 37.8 30.6 45.8





#57

1,3-Dichloropropane

Concen: 18.704 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

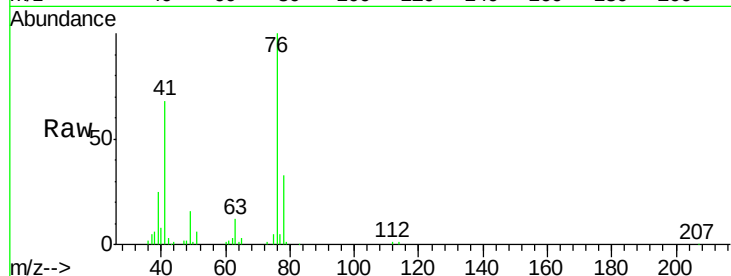
VSTDIC020

Tgt Ion: 76 Resp: 82869

Ion Ratio Lower Upper

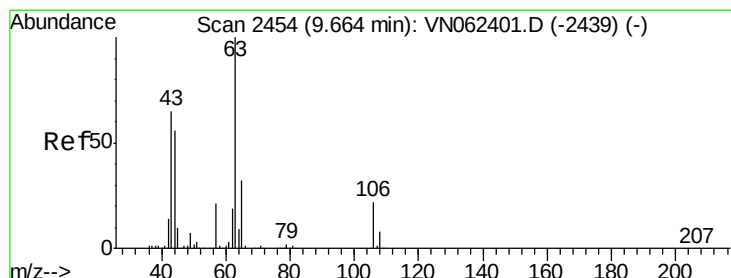
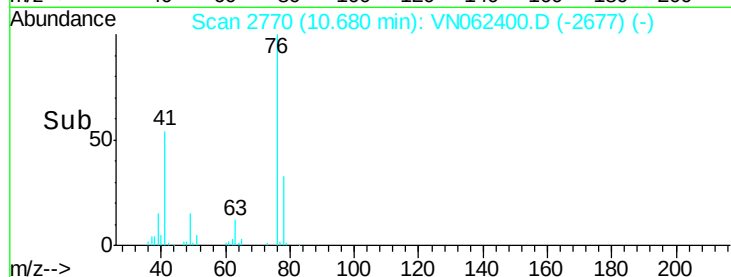
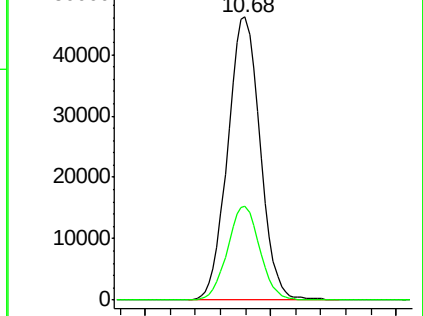
76 100

78 33.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 87.557 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062400.D

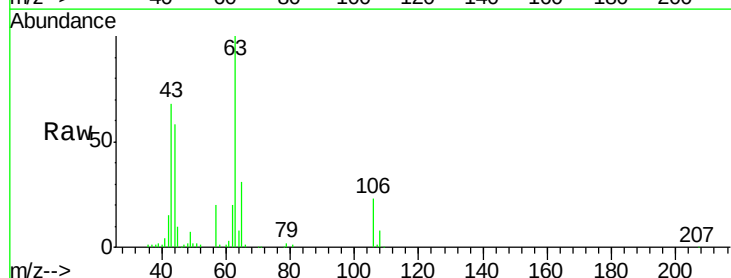
Acq: 8 Jul 2020 11:02

Tgt Ion: 63 Resp: 119778

Ion Ratio Lower Upper

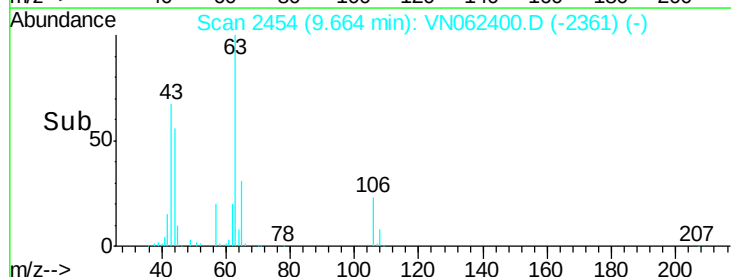
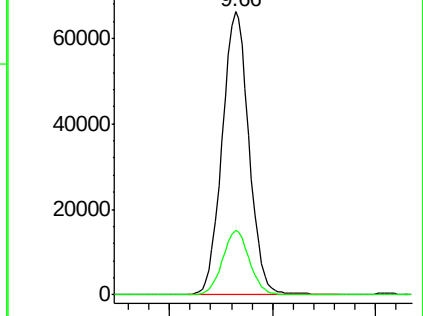
63 100

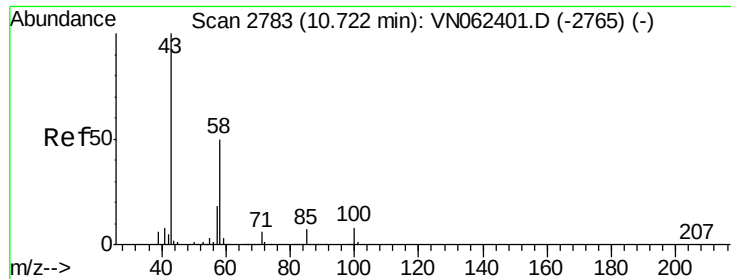
106 22.7 17.6 26.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

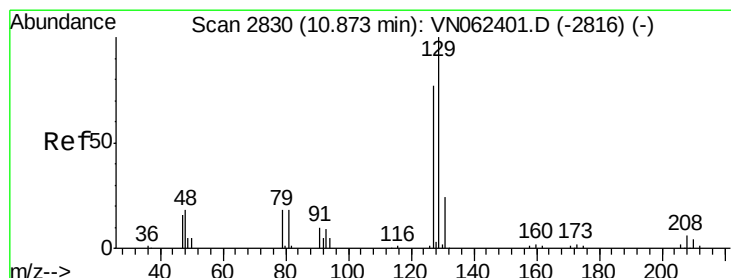
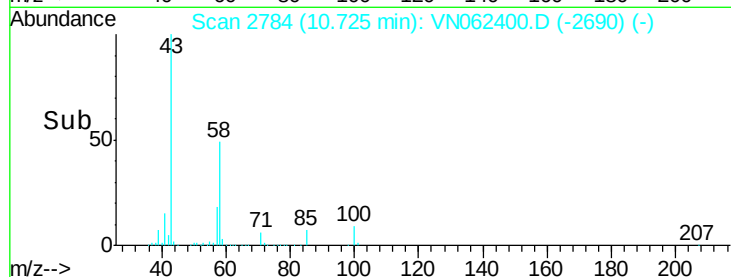
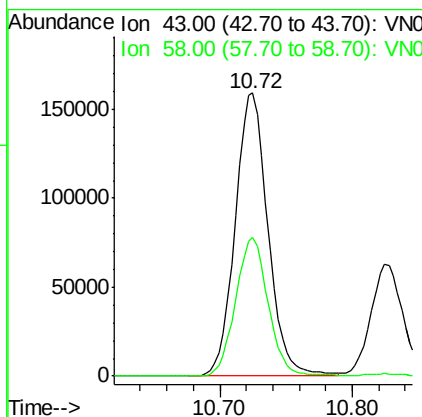
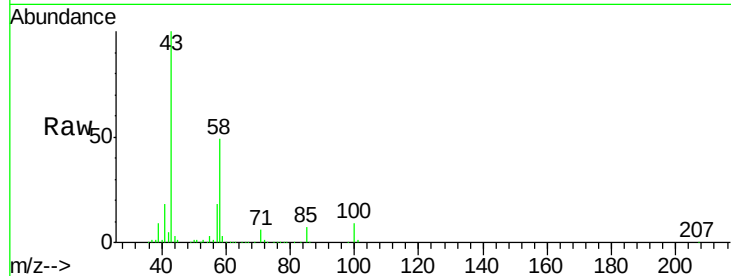




#59
2-Hexanone
Concen: 98.494 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

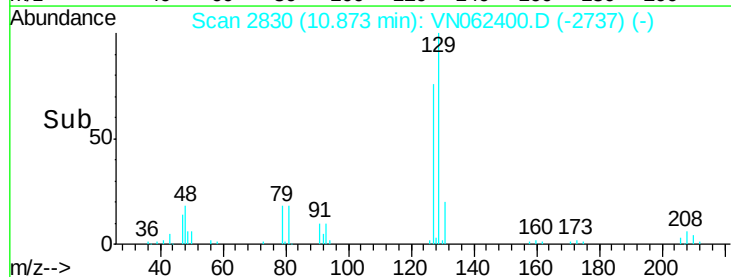
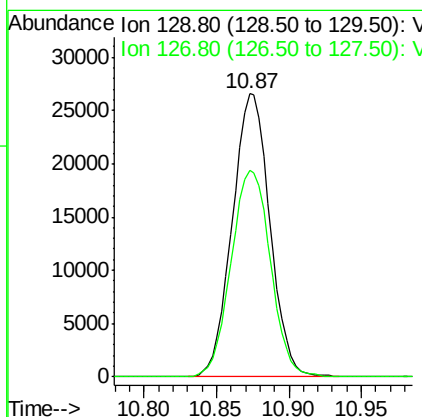
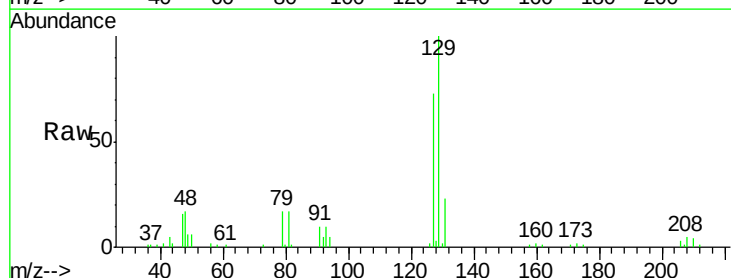
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

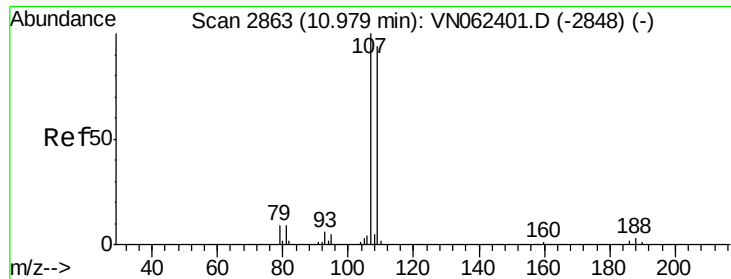
Tgt Ion: 43 Resp: 273227
Ion Ratio Lower Upper
43 100
58 48.4 25.1 75.2



#60
Dibromochloromethane
Concen: 17.769 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 129 Resp: 47938
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 17.962 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

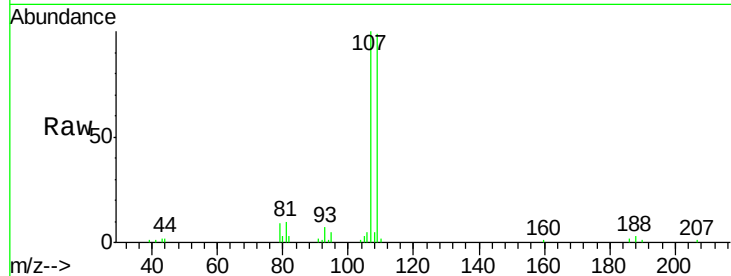
VSTDIC020

Tgt Ion: 107 Resp: 43949

Ion Ratio Lower Upper

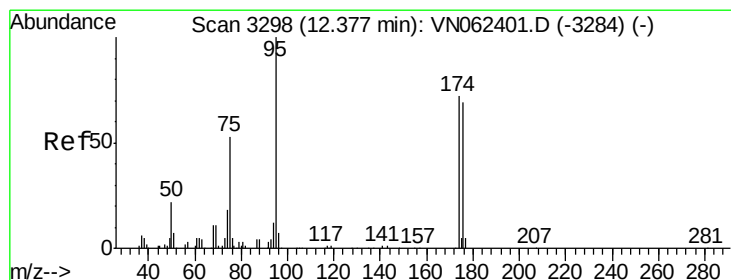
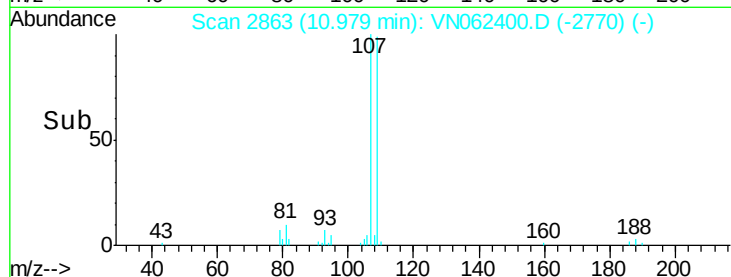
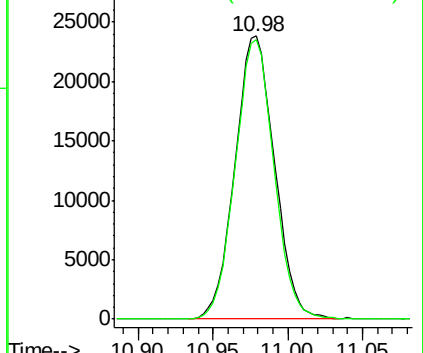
107 100

109 96.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 16.871 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

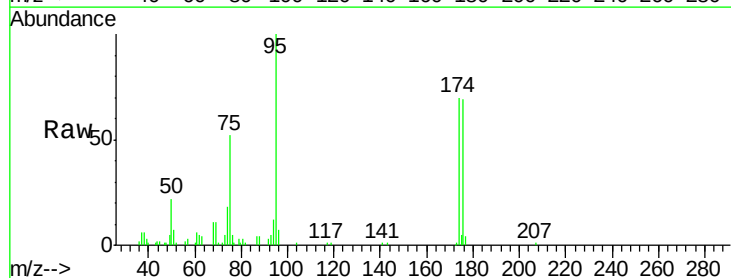
Tgt Ion: 95 Resp: 53717

Ion Ratio Lower Upper

95 100

174 70.3 0.0 141.6

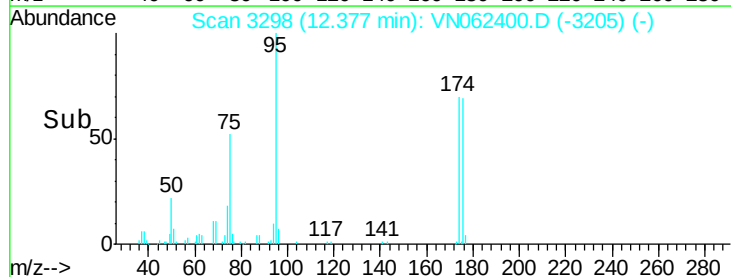
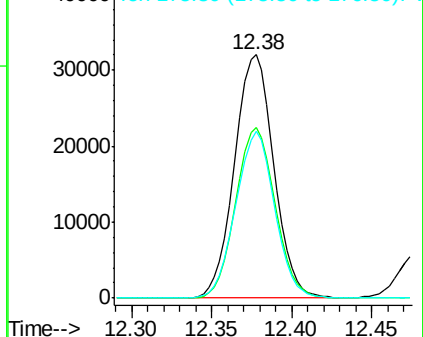
176 67.6 0.0 137.2

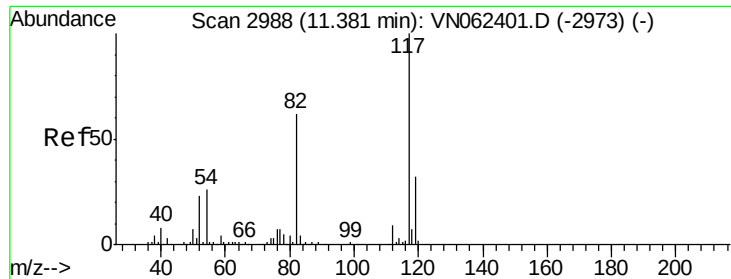


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

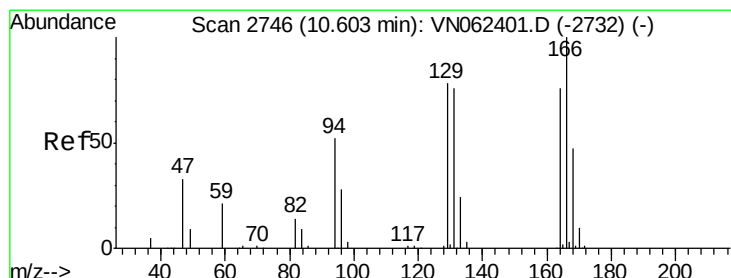
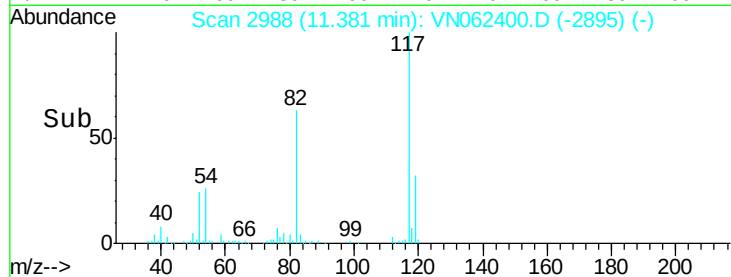
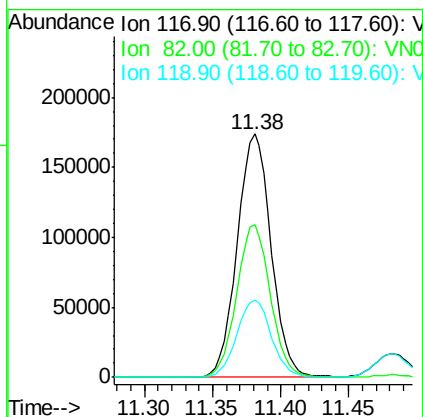
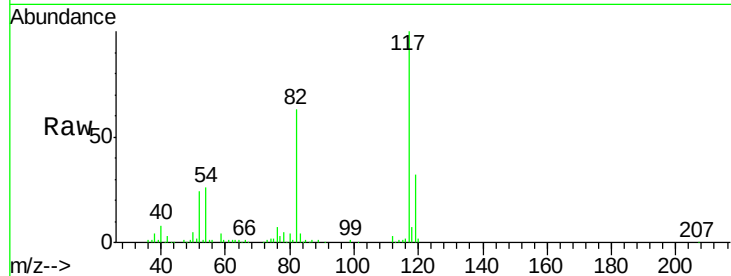




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

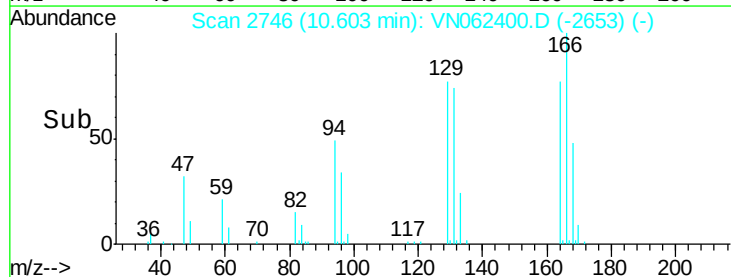
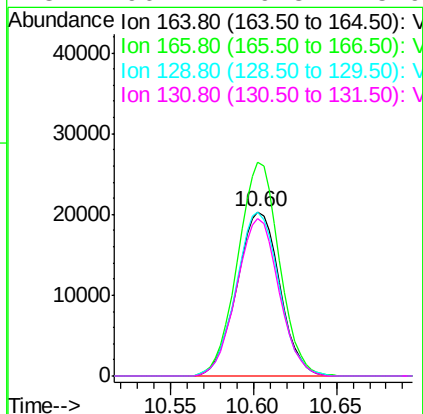
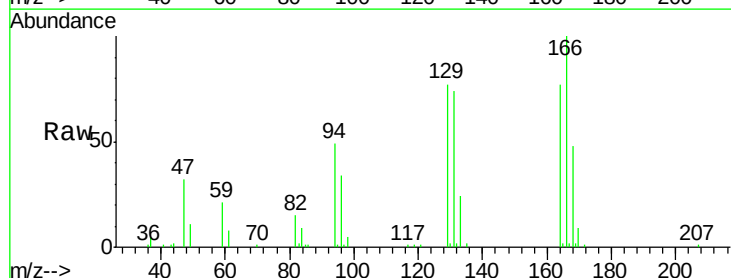
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

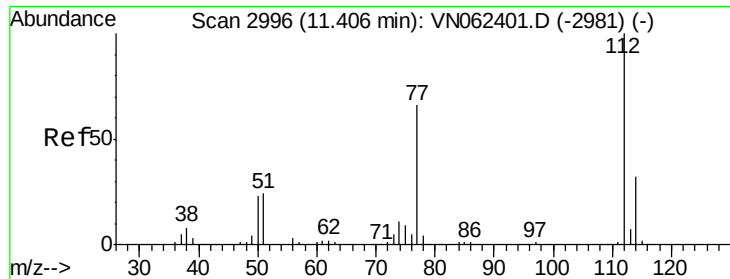
Tgt Ion:117 Resp: 300833
Ion Ratio Lower Upper
117 100
82 62.7 49.6 74.4
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:164 Resp: 36605
Ion Ratio Lower Upper
164 100
166 130.3 104.9 157.3
129 100.0 81.8 122.6
131 96.4 79.3 118.9

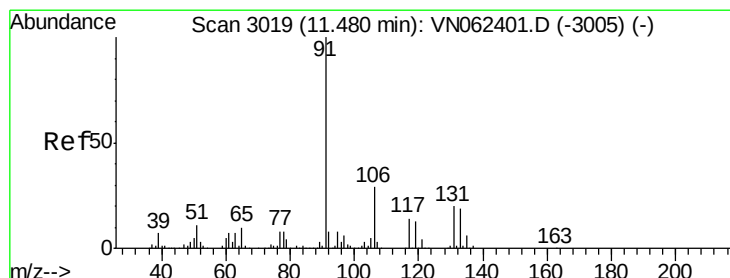
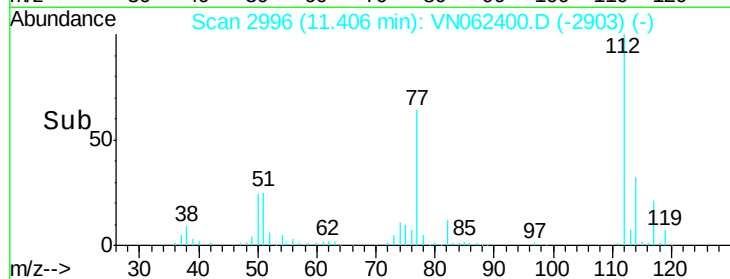
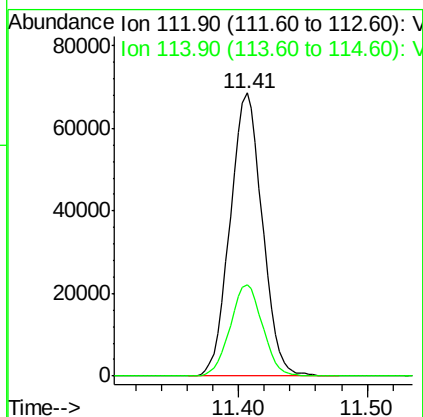
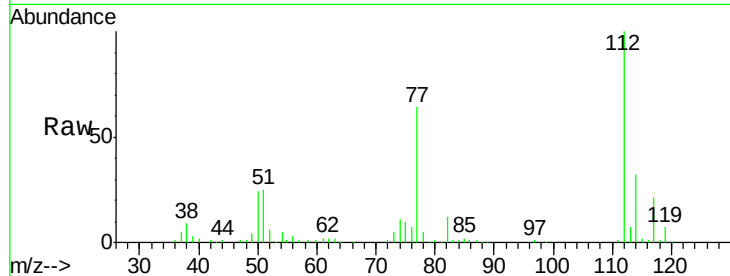




#65
Chlorobenzene
Concen: 19.183 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

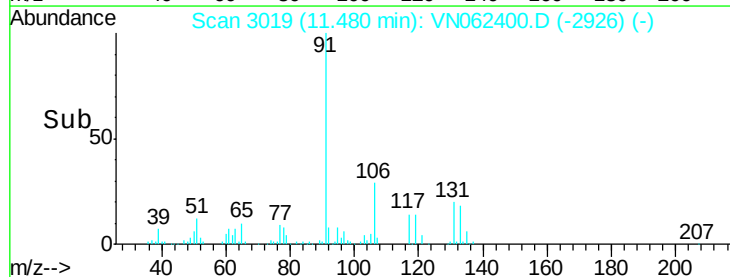
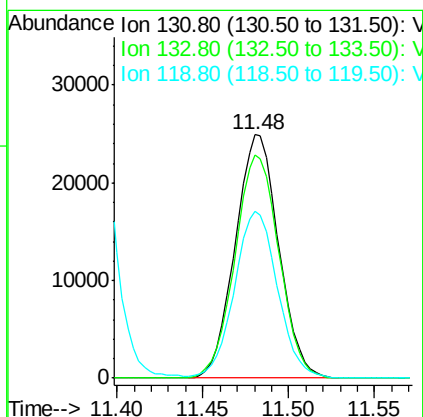
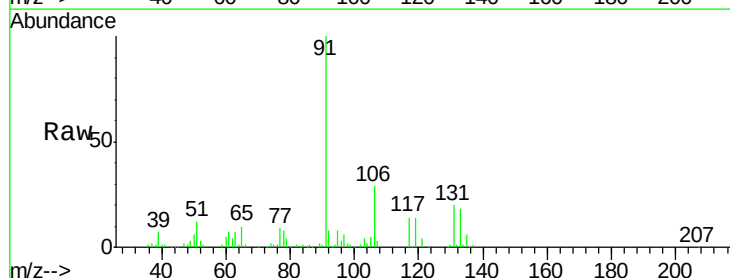
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

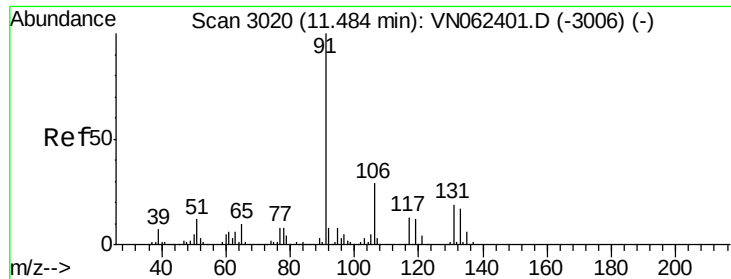
Tgt Ion:112 Resp: 118888
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.793 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:131 Resp: 43696
Ion Ratio Lower Upper
131 100
133 92.9 46.9 140.8
119 67.9 33.2 99.6

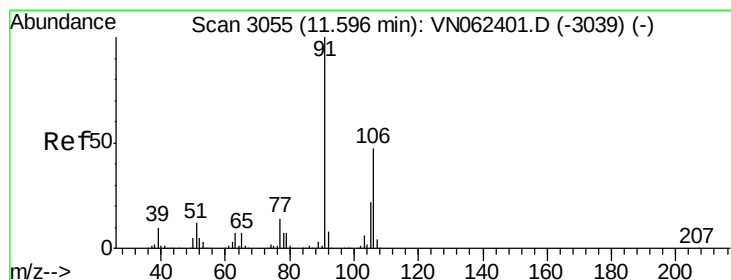
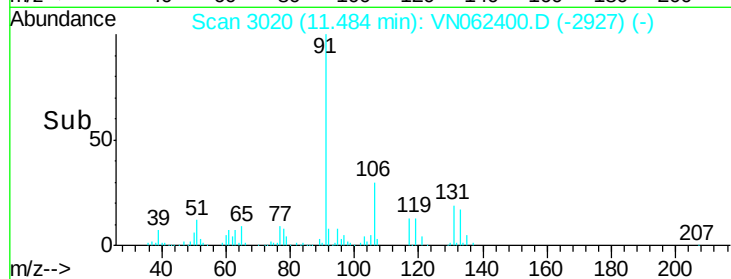
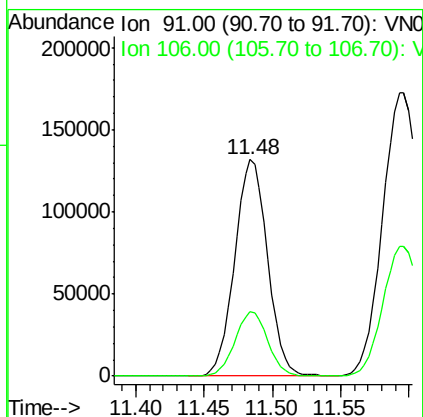
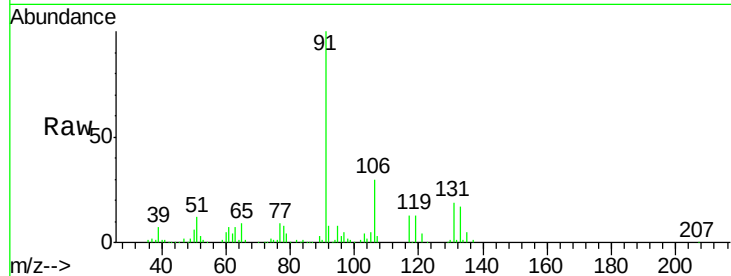




#67
Ethyl Benzene
Concen: 20.090 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

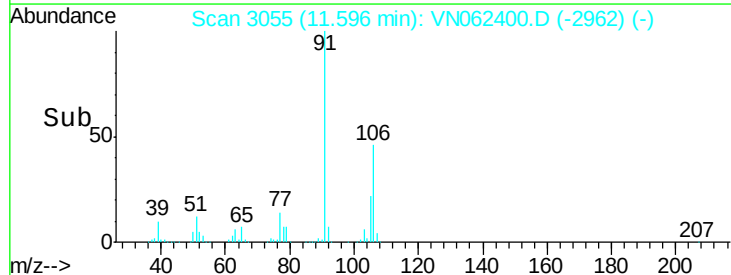
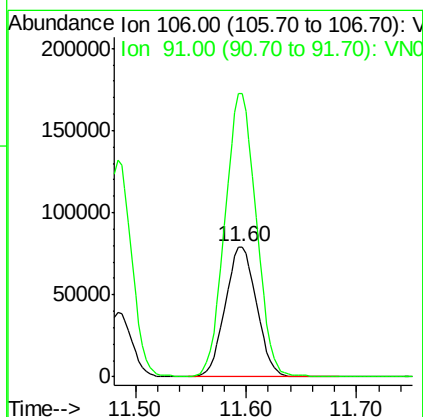
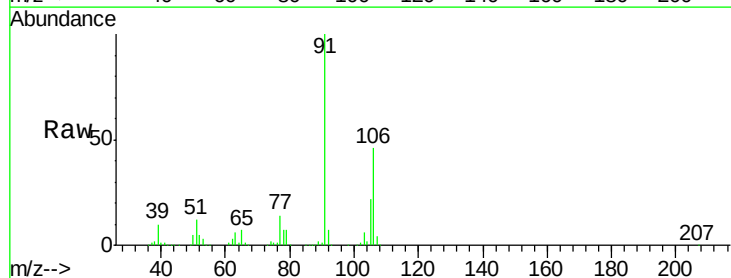
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

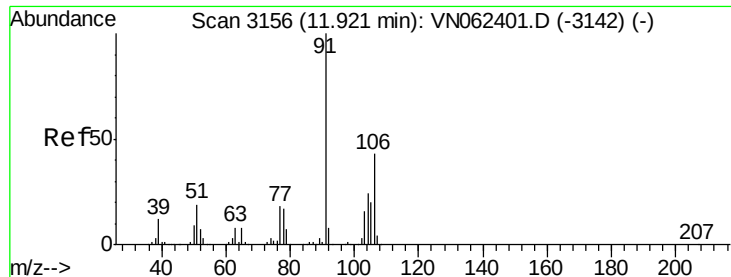
Tgt Ion: 91 Resp: 220288
Ion Ratio Lower Upper
91 100
106 29.6 23.4 35.2



#68
m/p-Xylenes
Concen: 38.972 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion: 106 Resp: 156230
Ion Ratio Lower Upper
106 100
91 216.2 172.4 258.6

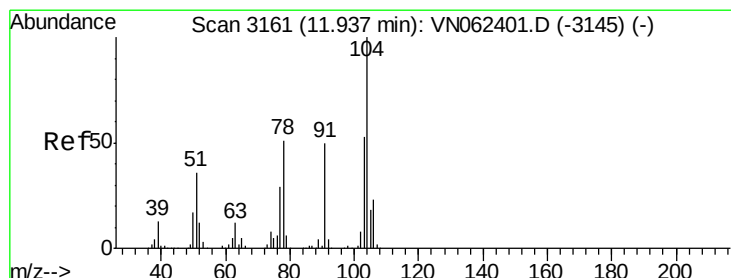
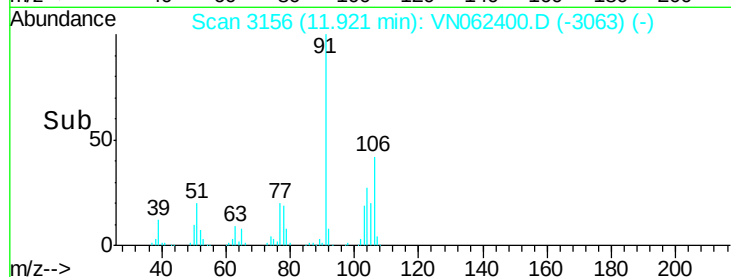
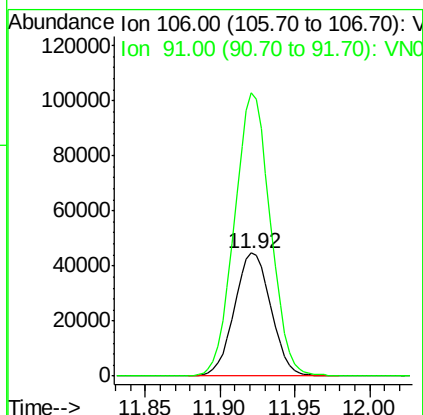
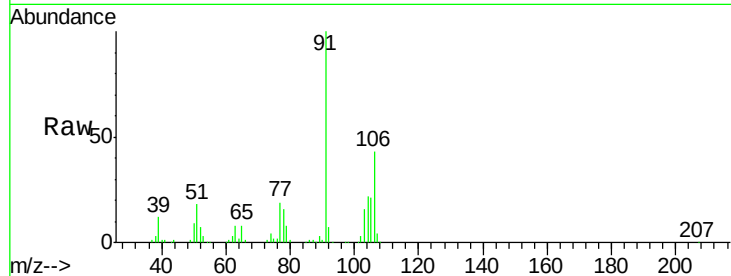




#69
o-Xylene
Concen: 19.230 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

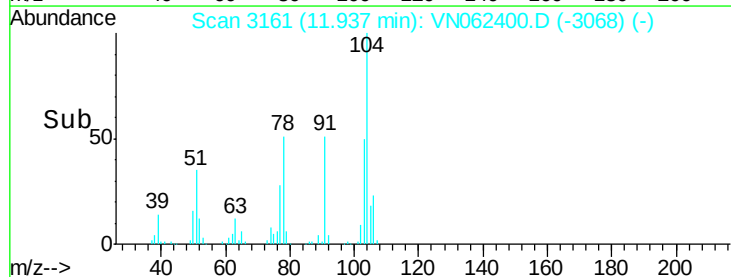
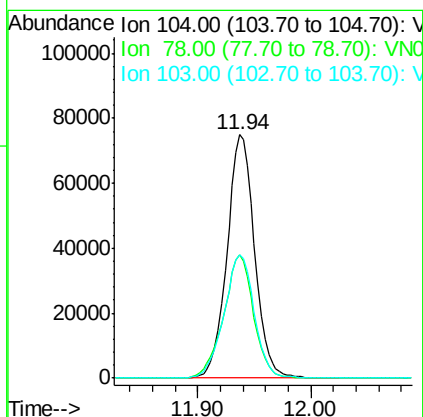
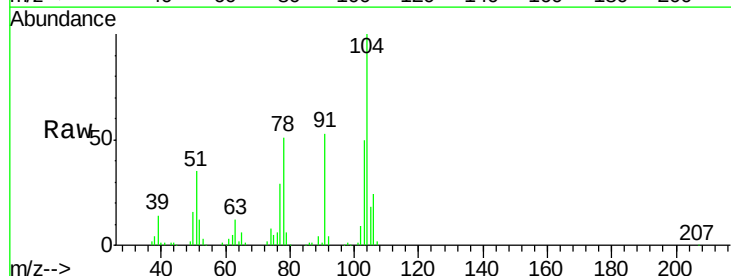
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

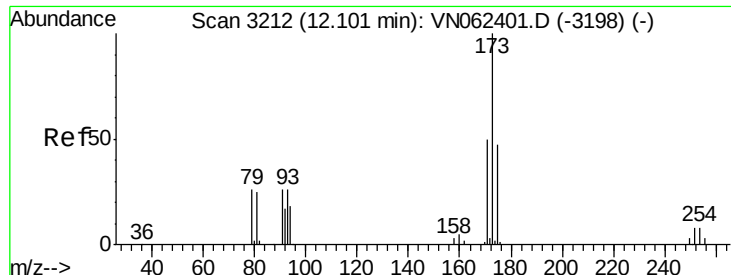
Tgt Ion:106 Resp: 76041
Ion Ratio Lower Upper
106 100
91 226.7 113.8 341.4



#70
Styrene
Concen: 19.440 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:104 Resp: 127044
Ion Ratio Lower Upper
104 100
78 55.1 44.2 66.4
103 55.5 44.4 66.6

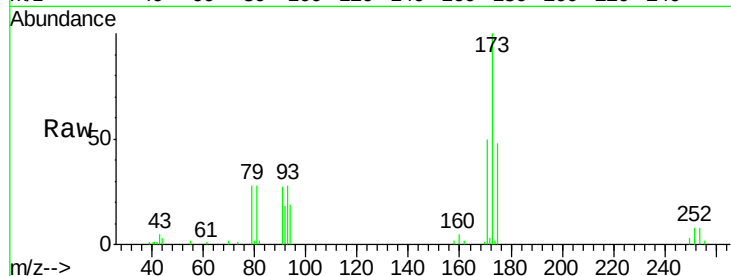




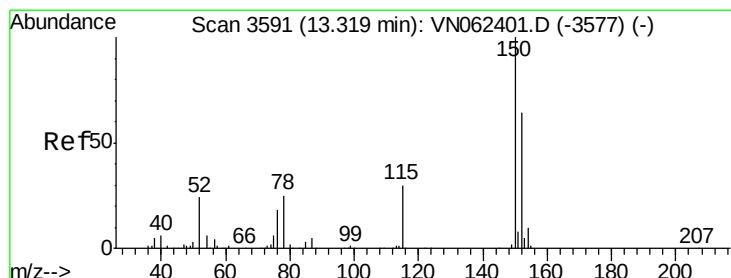
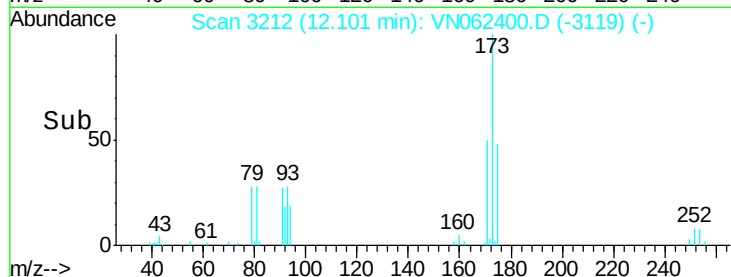
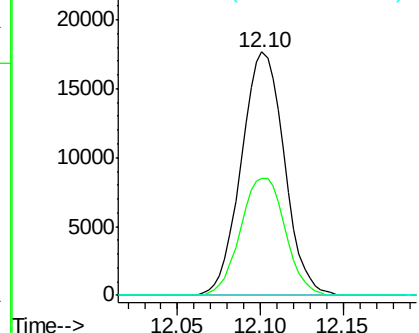
#71
Bromoform
Concen: 17.619 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:173 Resp: 31957
Ion Ratio Lower Upper
173 100
175 49.9 23.7 71.1
254 0.0 0.0 0.0

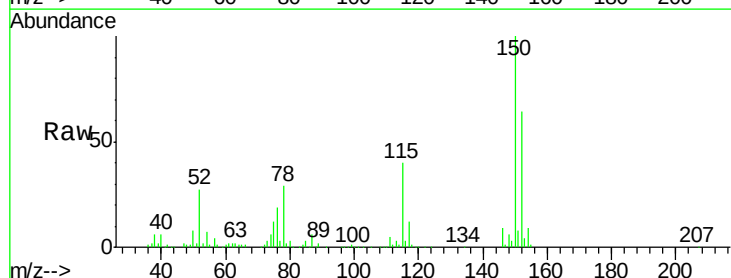


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

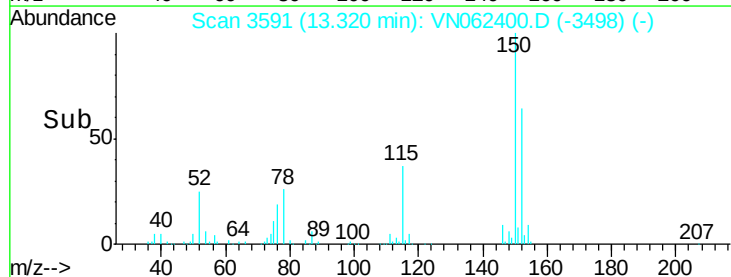
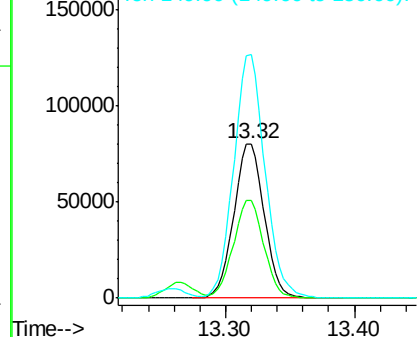


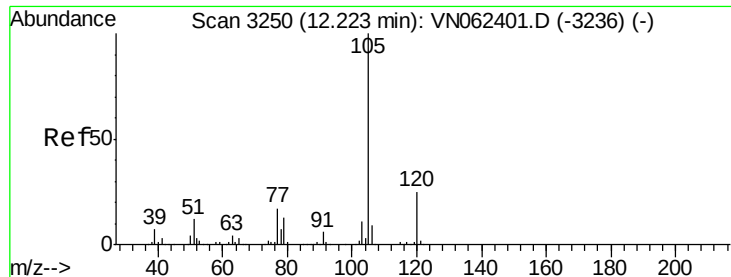
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:152 Resp: 131284
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.2
150 162.2 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: 20.921 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

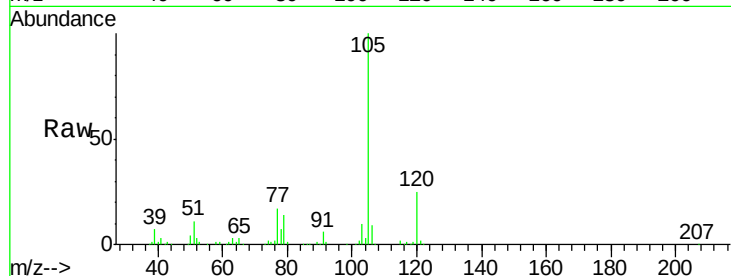
VSTDIC020

Tgt Ion:105 Resp: 206066

Ion Ratio Lower Upper

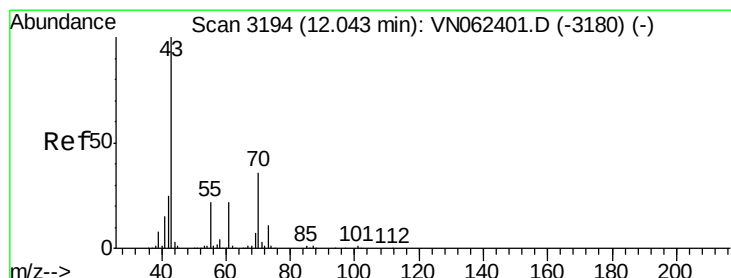
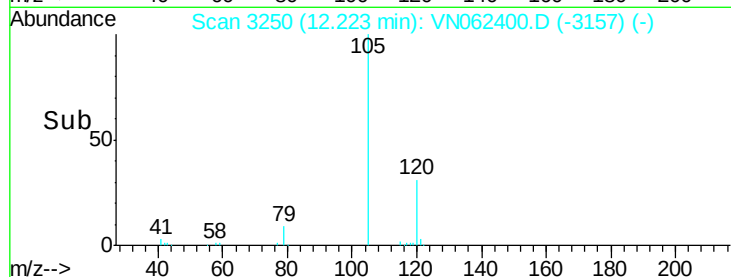
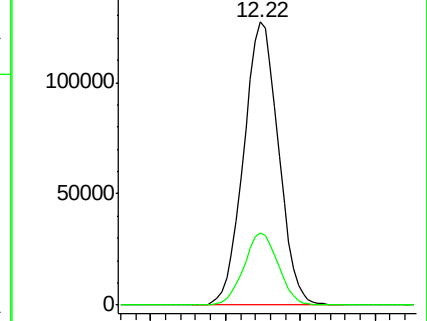
105 100

120 25.2 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.375 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Tgt Ion: 43 Resp: 101095

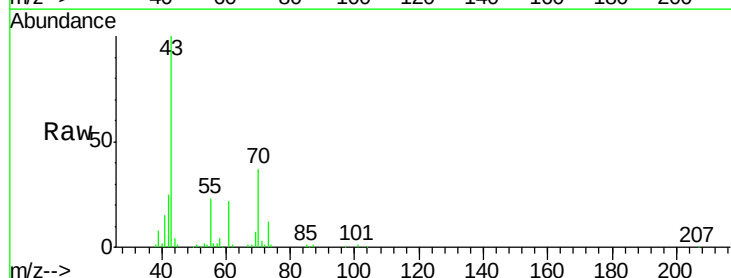
Ion Ratio Lower Upper

43 100

70 37.1 30.0 45.0

55 23.8 18.2 27.4

61 21.2 17.7 26.5

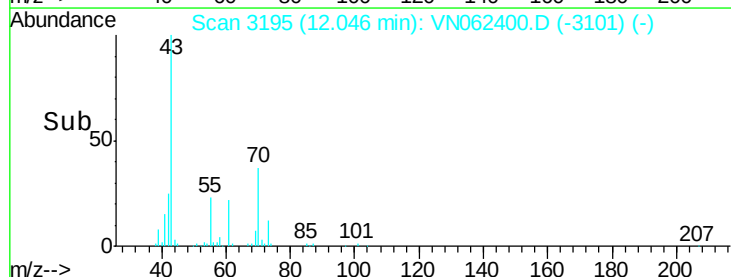
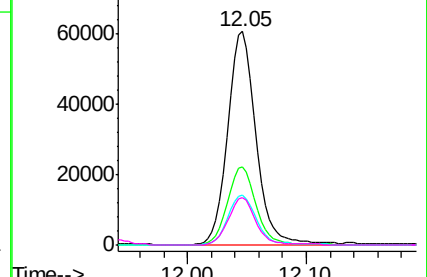


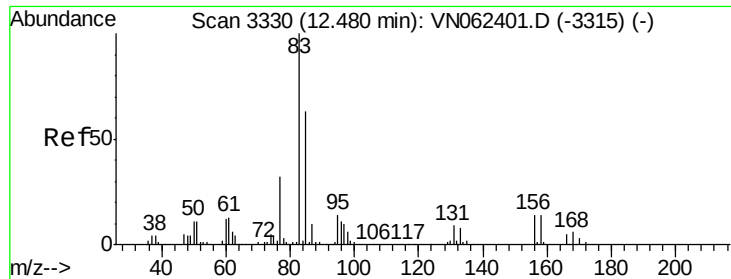
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.821 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

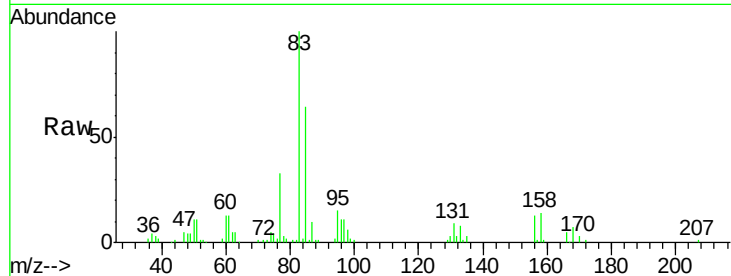
Tgt Ion: 83 Resp: 68391

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.5

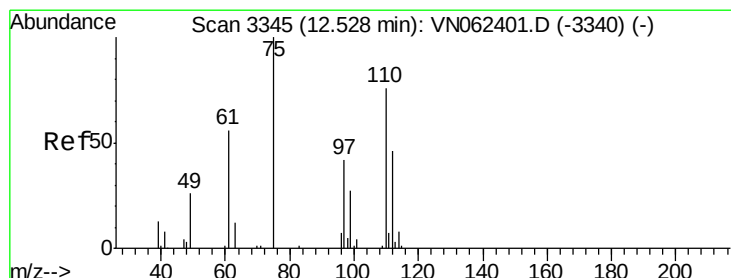
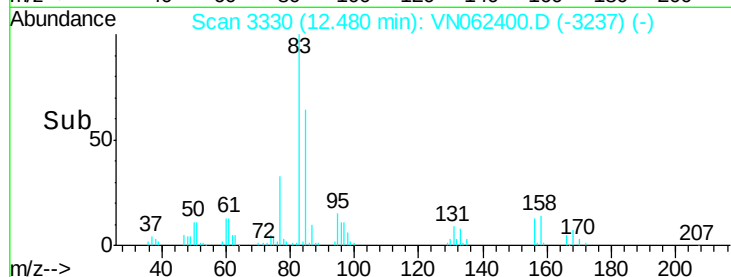
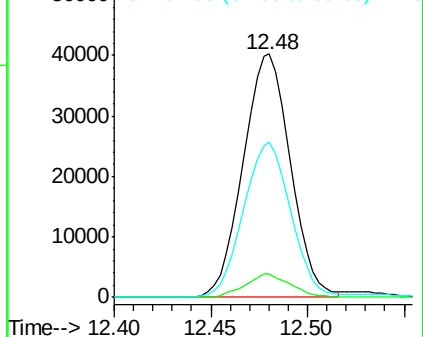
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.204 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062400.D

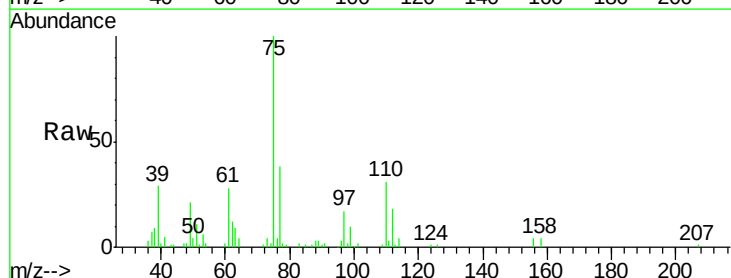
Acq: 8 Jul 2020 11:02

Tgt Ion: 75 Resp: 89495

Ion Ratio Lower Upper

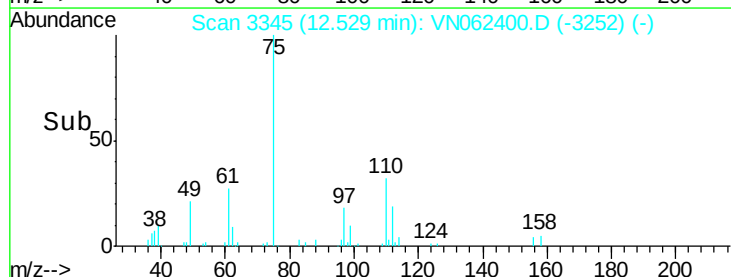
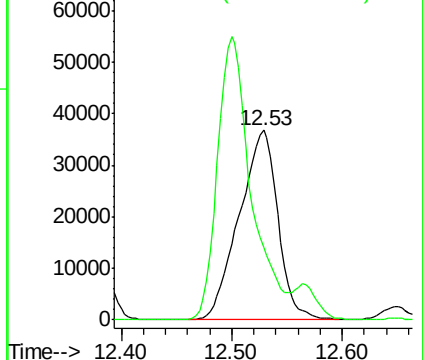
75 100

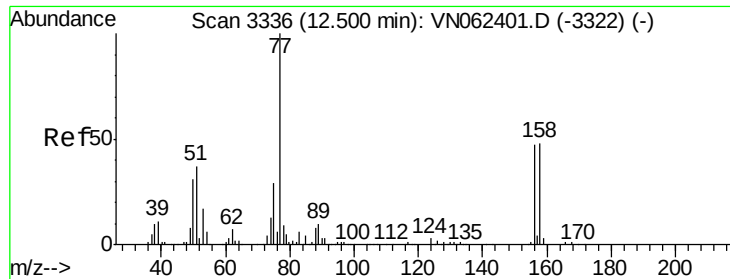
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.100 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

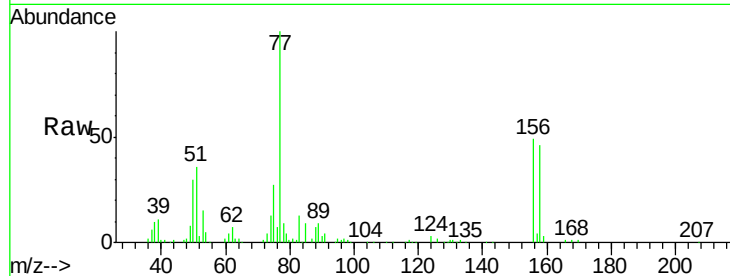
Tgt Ion:156 Resp: 46654

Ion Ratio Lower Upper

156 100

77 248.9 126.4 379.3

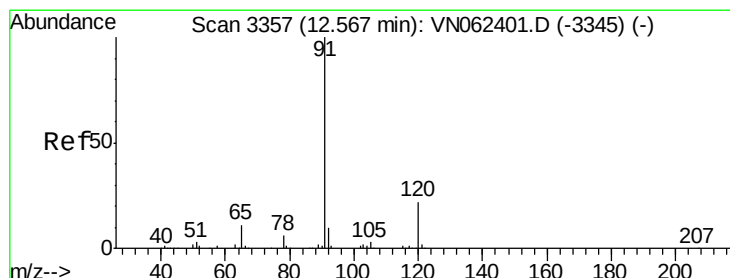
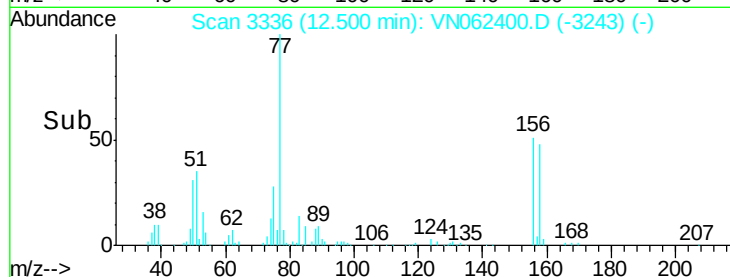
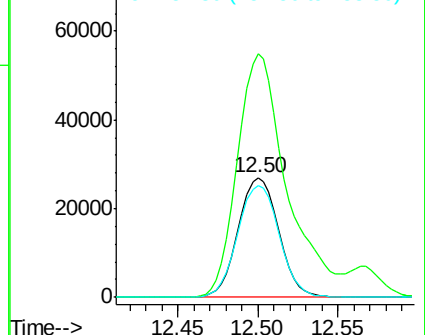
158 96.0 49.8 149.4



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: 21.125 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062400.D

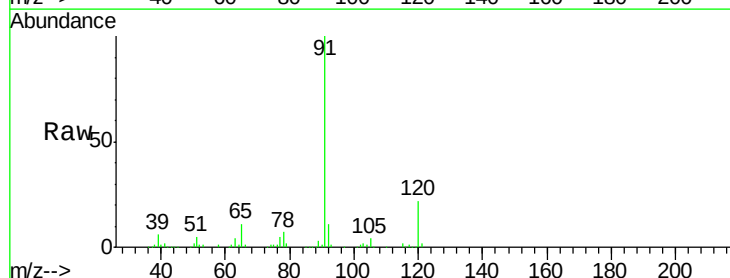
Acq: 8 Jul 2020 11:02

Tgt Ion: 91 Resp: 237520

Ion Ratio Lower Upper

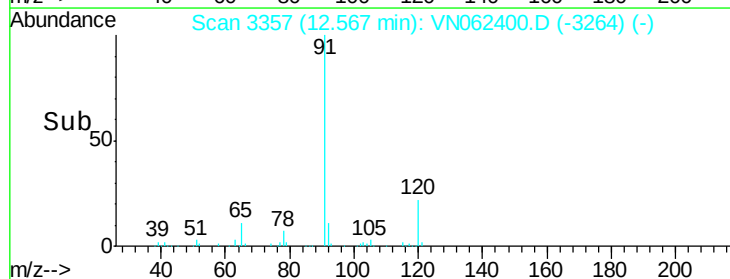
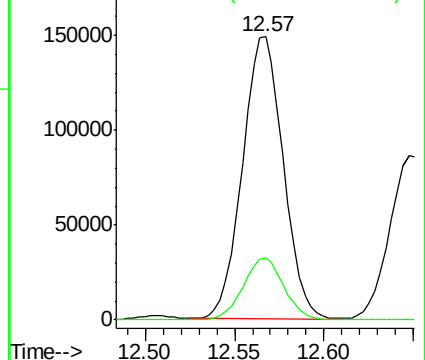
91 100

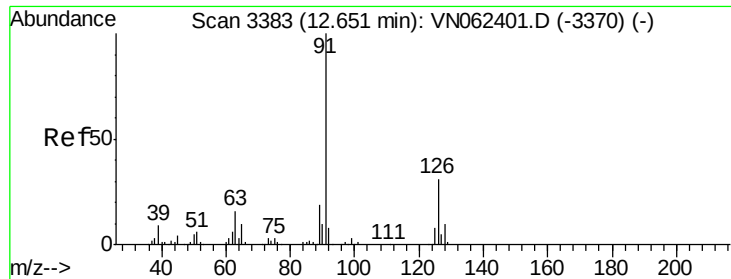
120 21.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.385 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

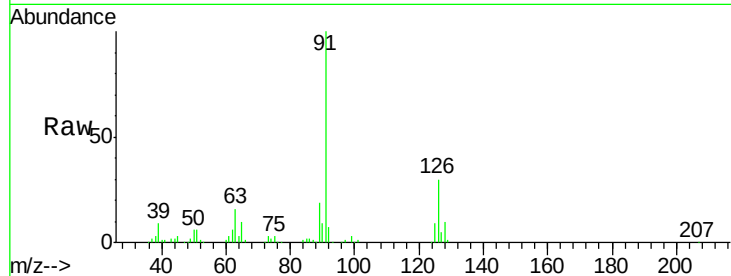
VSTDIC020

Tgt Ion: 91 Resp: 145639

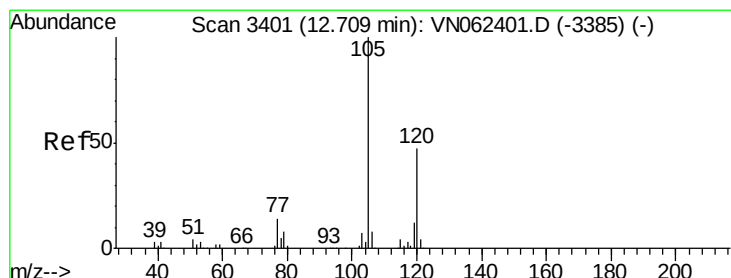
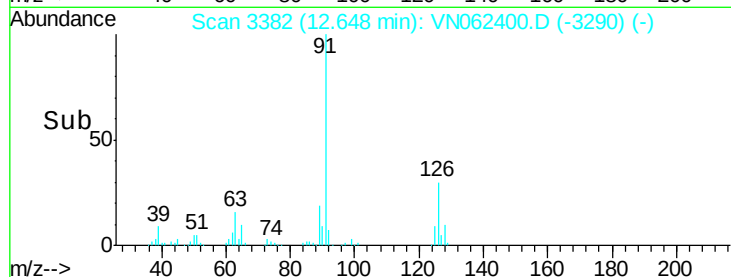
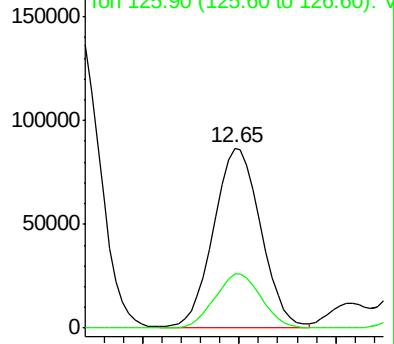
Ion Ratio Lower Upper

91 100

126 30.2 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062400.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.496 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062400.D

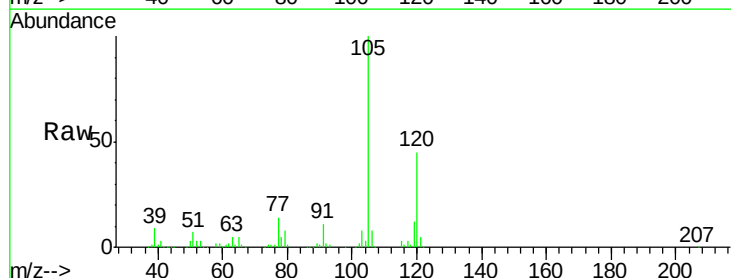
Acq: 8 Jul 2020 11:02

Tgt Ion: 105 Resp: 169076

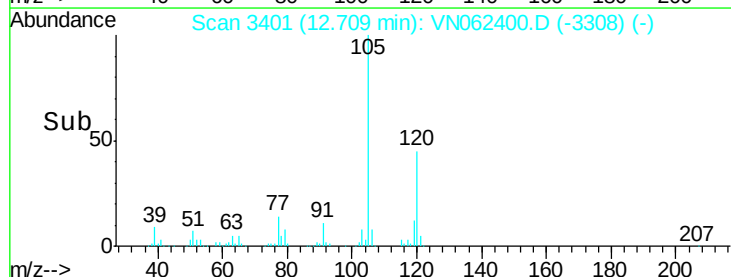
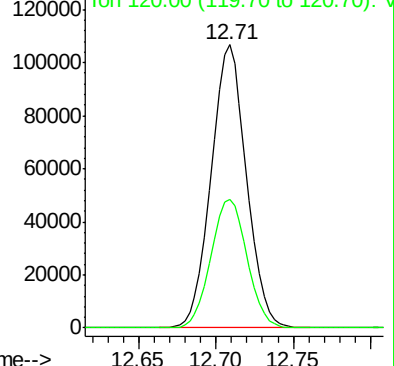
Ion Ratio Lower Upper

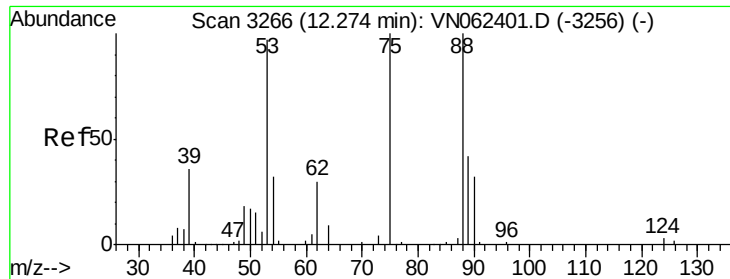
105 100

120 46.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062400.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.441 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

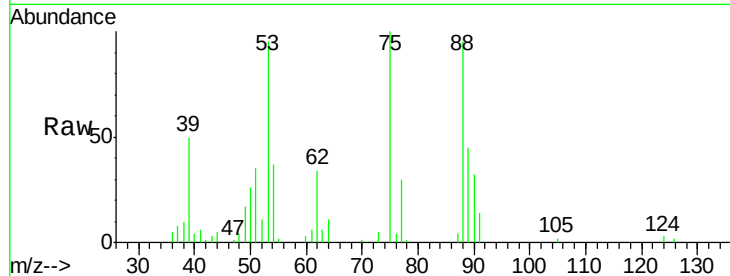
Tgt Ion: 75 Resp: 23322

Ion Ratio Lower Upper

75 100

53 96.7 79.2 118.8

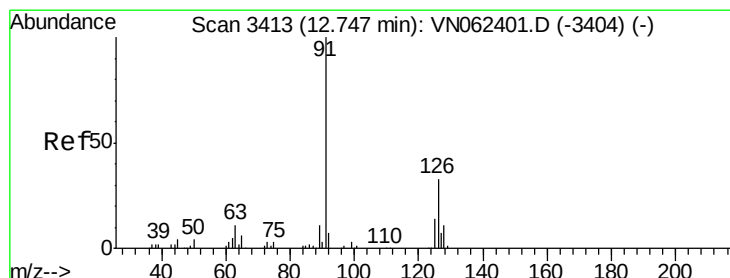
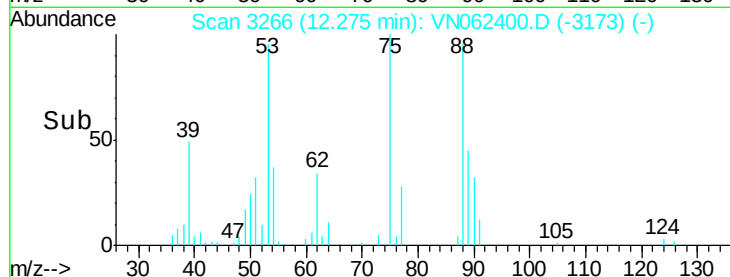
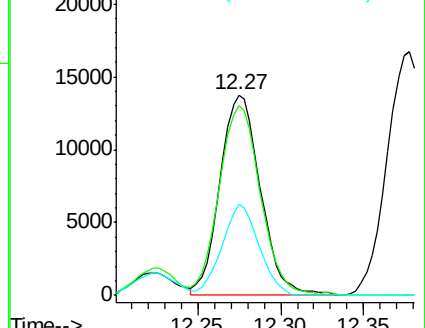
89 41.7 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN062400.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062400.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062400.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 20.234 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062400.D

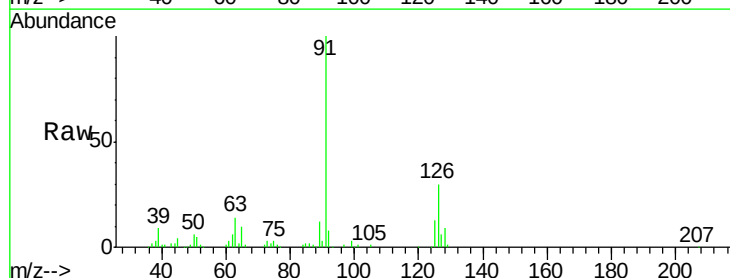
Acq: 8 Jul 2020 11:02

Tgt Ion: 91 Resp: 147581

Ion Ratio Lower Upper

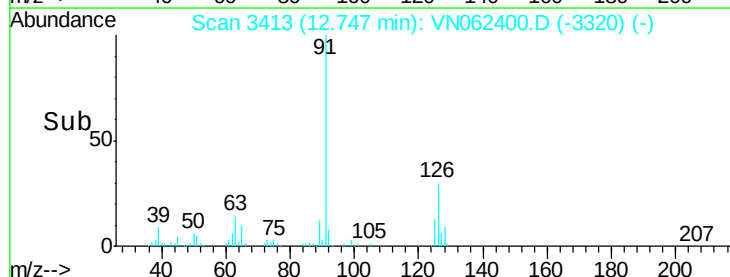
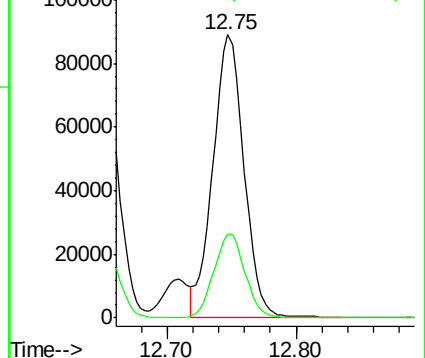
91 100

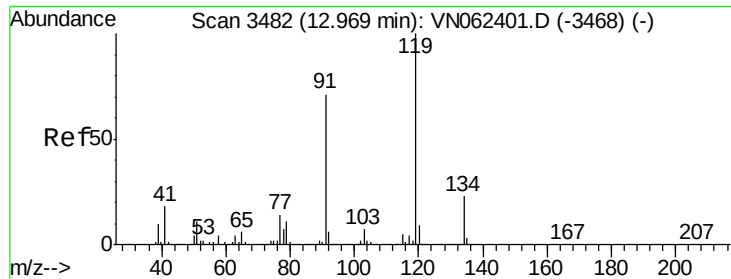
126 29.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062400.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062400.D (-3320) (-)

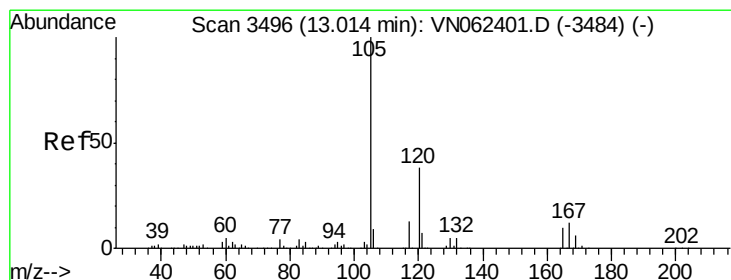
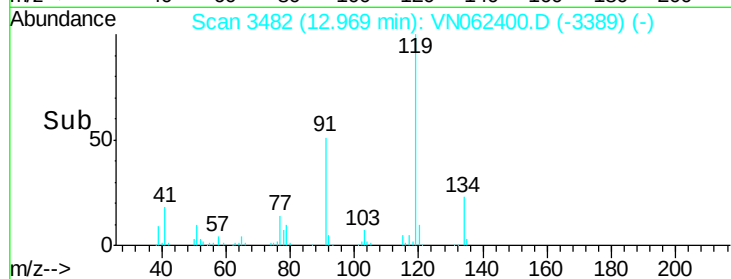
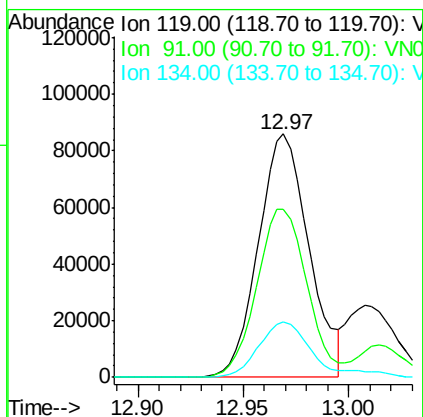
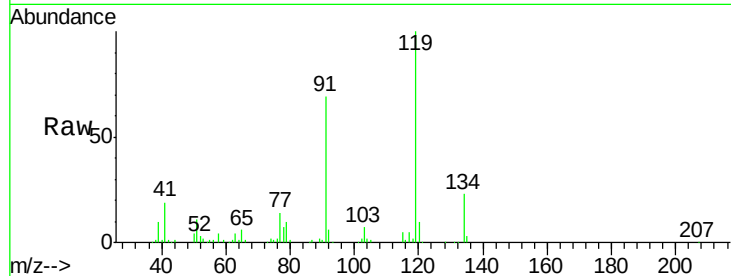




#83
 tert-Butylbenzene
 Concen: 20.388 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

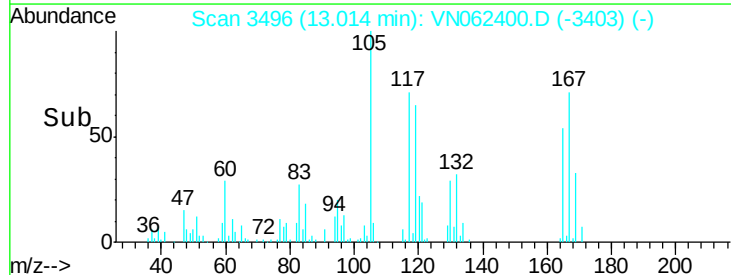
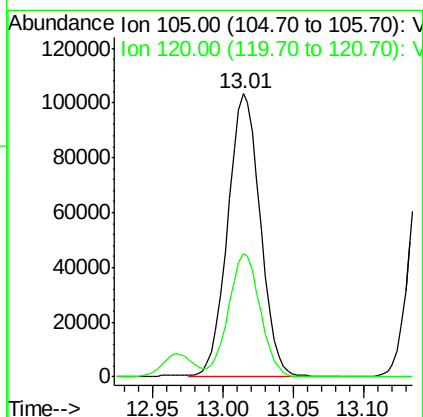
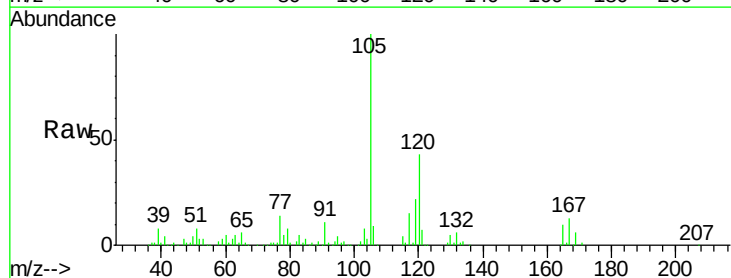
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

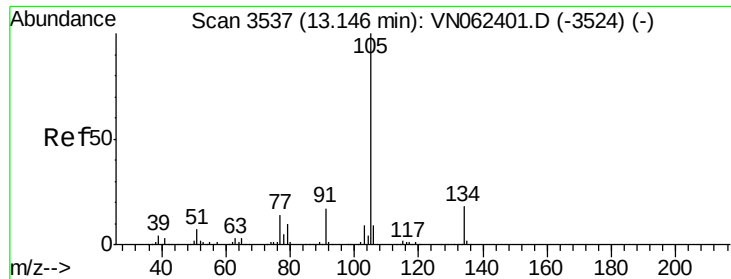
Tgt Ion:119 Resp: 143363
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.8 104.3
 134 24.7 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.331 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion:105 Resp: 166000
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.6 64.8





#85

sec-Butylbenzene

Concen: 21.191 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

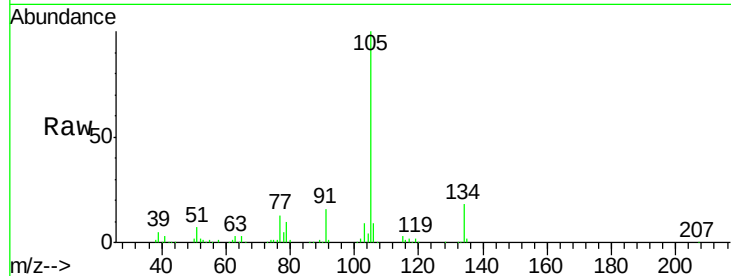
VSTDIC020

Tgt Ion:105 Resp: 190235

Ion Ratio Lower Upper

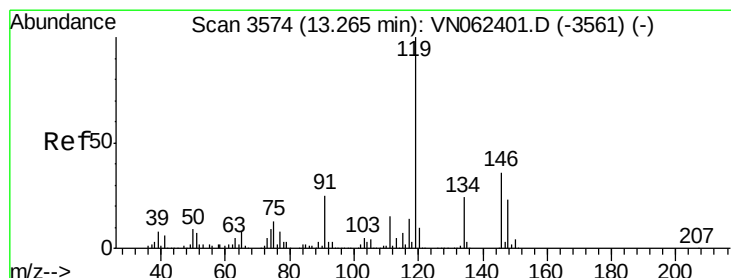
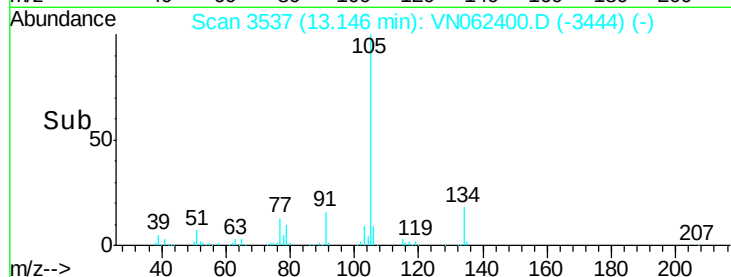
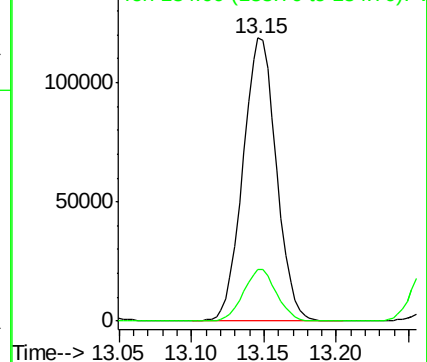
105 100

134 18.2 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.246 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

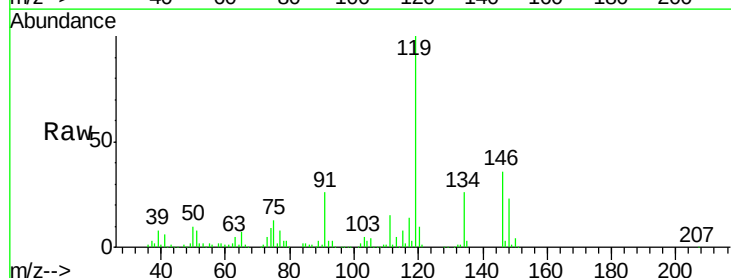
Tgt Ion:119 Resp: 163655

Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

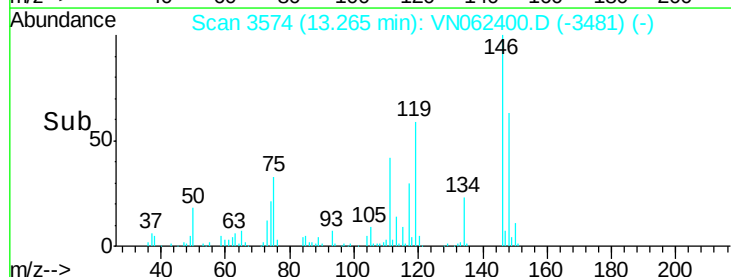
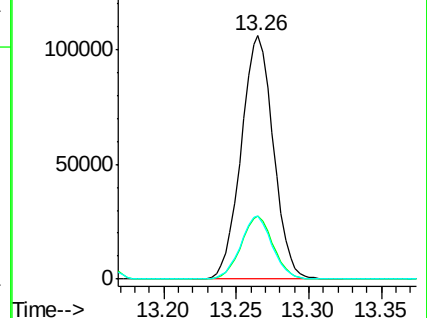
91 25.5 12.4 37.4

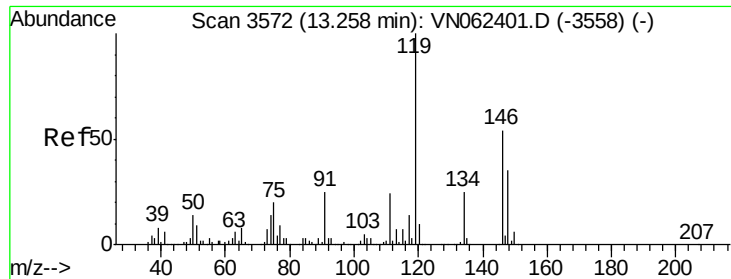


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

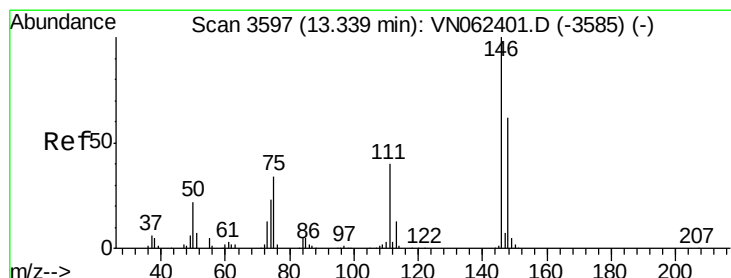
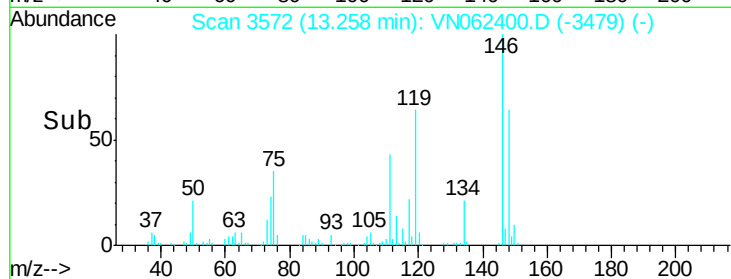
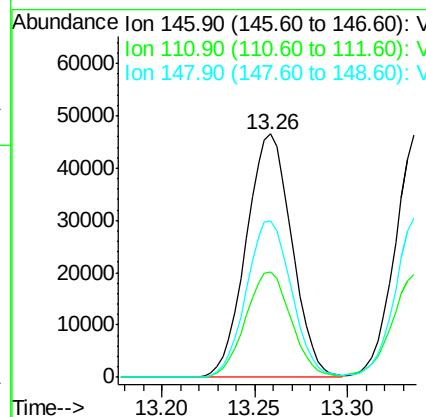
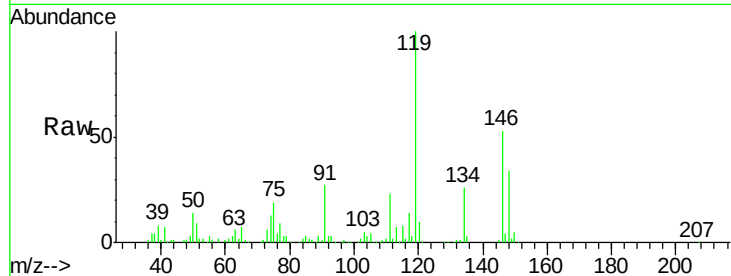




#87
 1,3-Dichlorobenzene
 Concen: 19.137 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

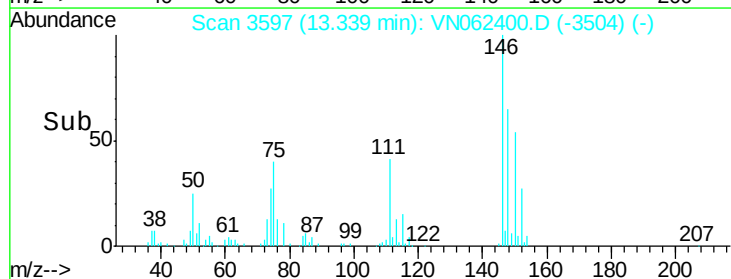
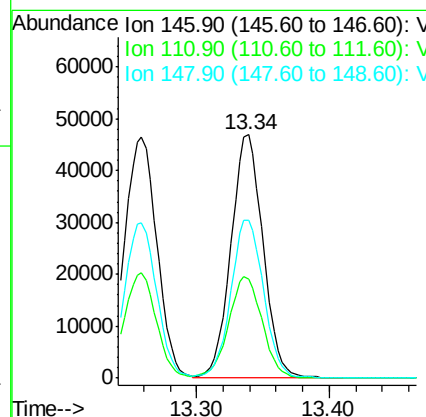
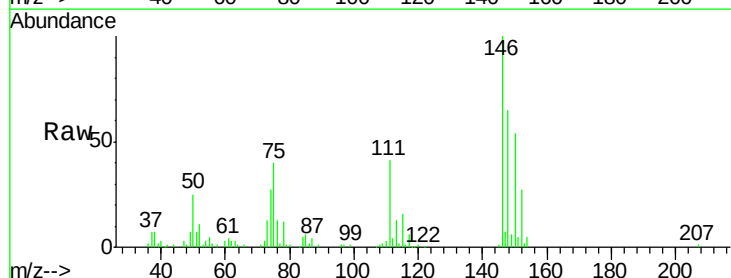
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

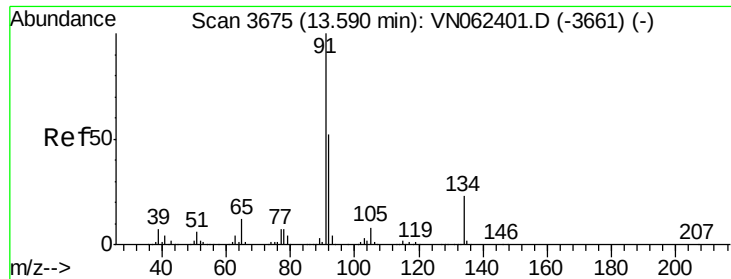
Tgt Ion:146 Resp: 79576
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.6 64.6
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.338 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion:146 Resp: 78770
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.1 63.1
 148 66.1 31.4 94.2





#89

n-Butylbenzene

Concen: 19.665 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062400.D

Acq: 8 Jul 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

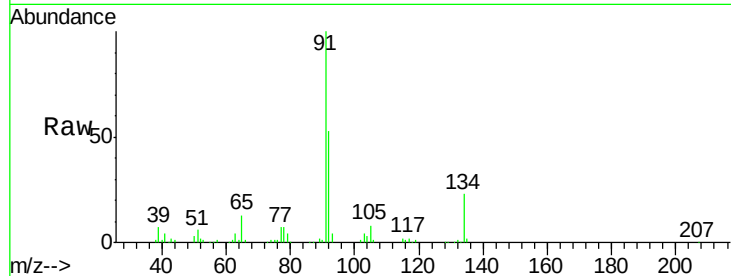
Tgt Ion: 91 Resp: 137022

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

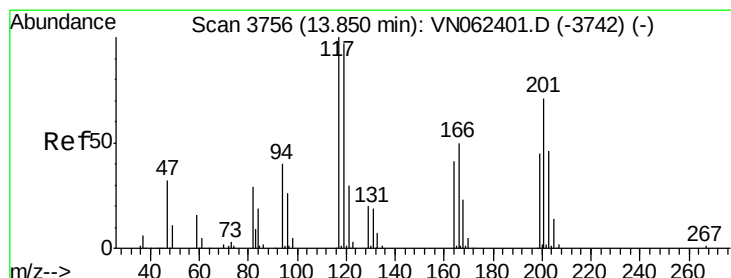
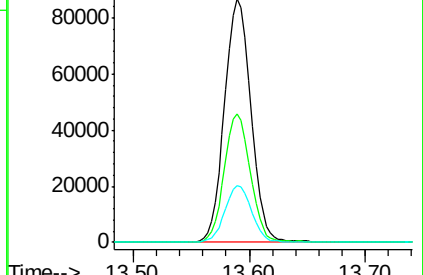
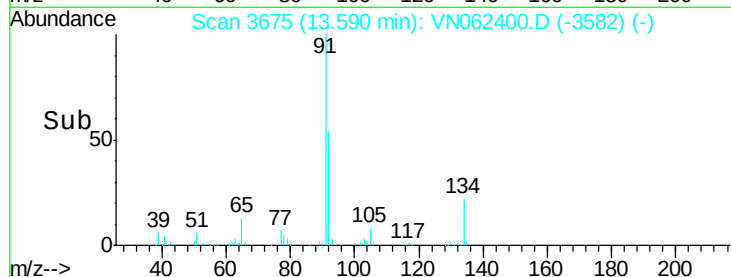
134 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN062400.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN062400.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN062400.D (-3582) (-)



#90

Hexachloroethane

Concen: 18.778 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062400.D

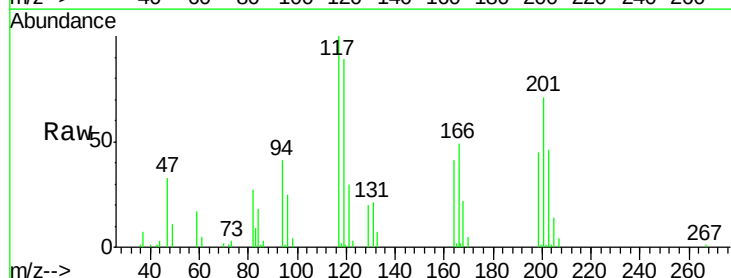
Acq: 8 Jul 2020 11:02

Tgt Ion: 117 Resp: 32177

Ion Ratio Lower Upper

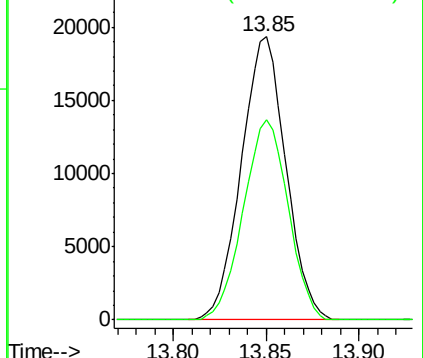
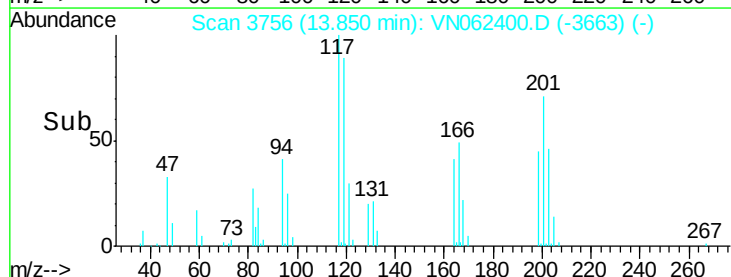
117 100

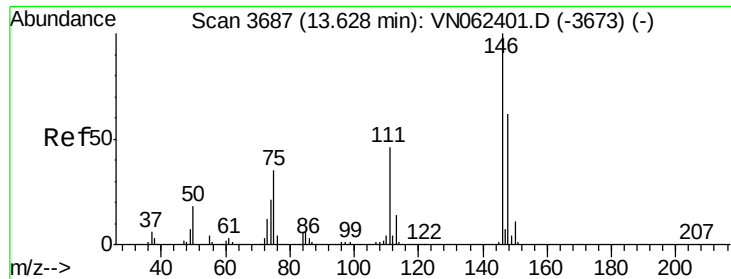
201 70.9 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062400.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062400.D (-3663) (-)

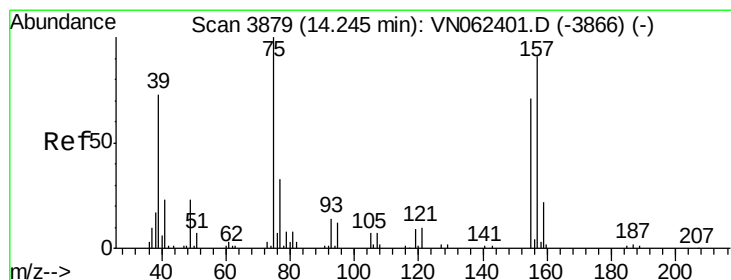
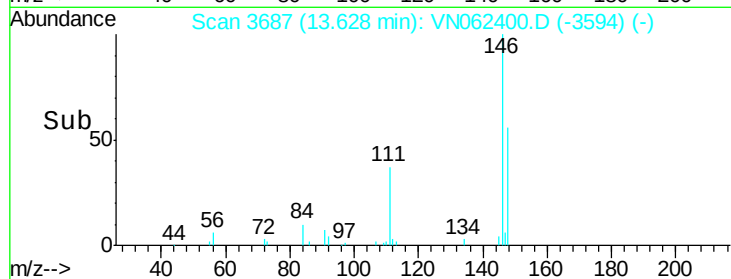
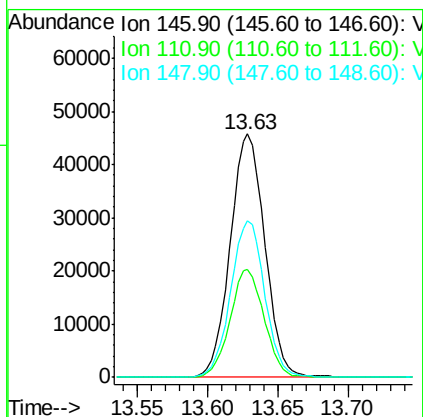
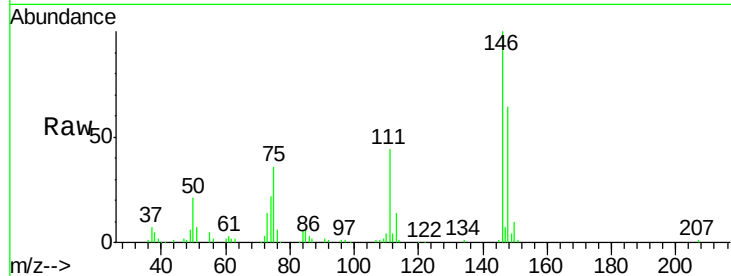




#91
 1,2-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

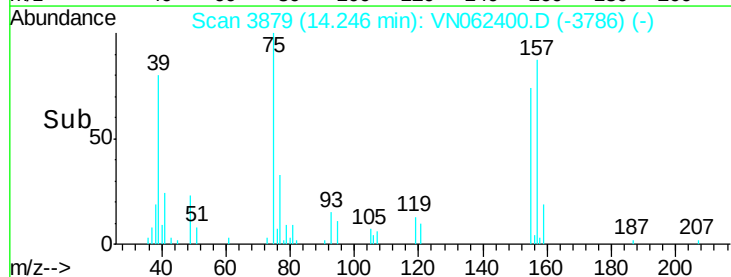
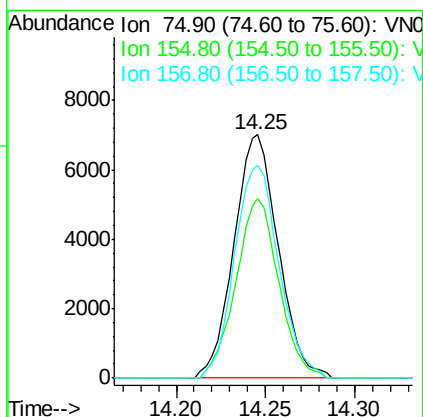
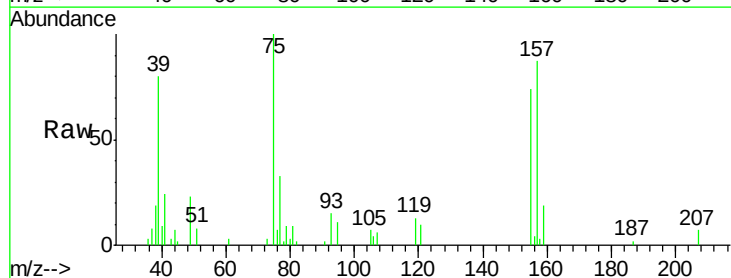
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

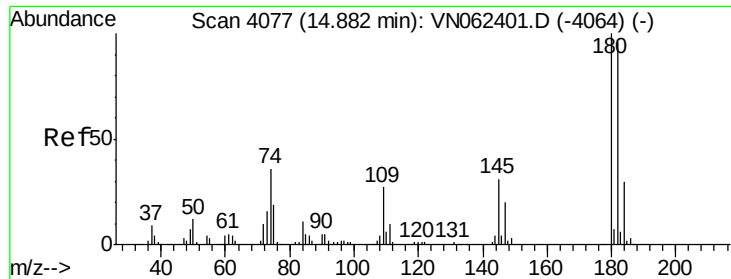
Tgt Ion: 146 Resp: 78738
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.5 67.5
 148 63.1 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.238 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062400.D
 Acq: 8 Jul 2020 11:02

Tgt Ion: 75 Resp: 12159
 Ion Ratio Lower Upper
 75 100
 155 71.3 35.2 105.6
 157 87.6 45.8 137.3

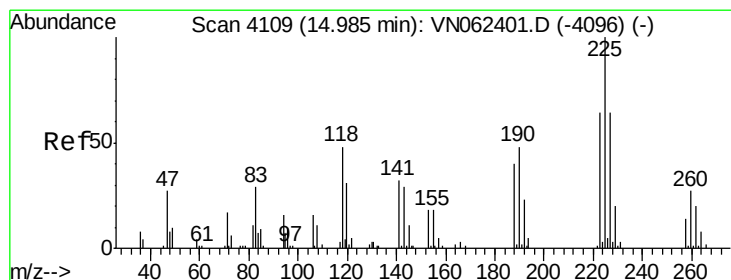
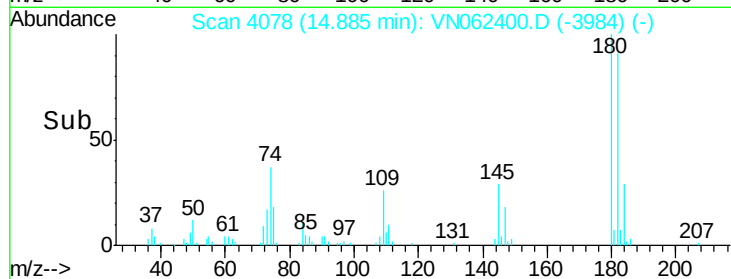
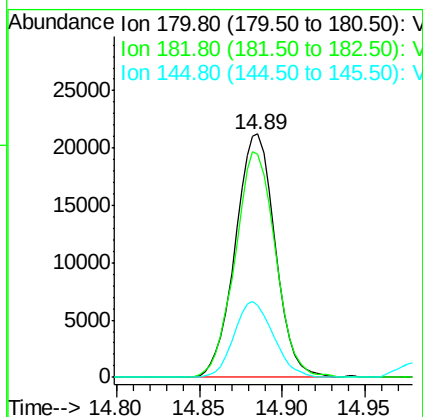
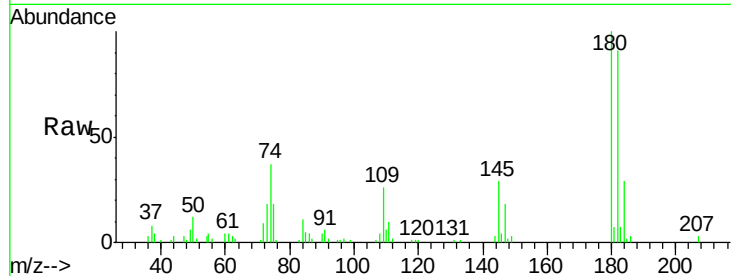




#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

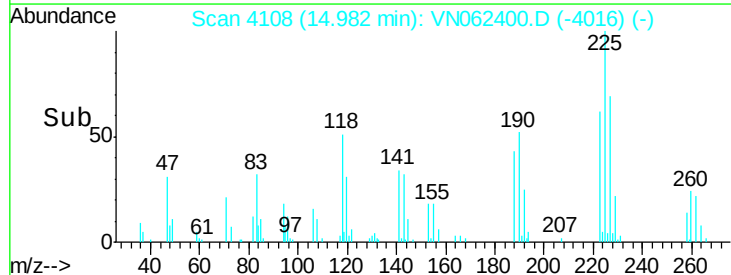
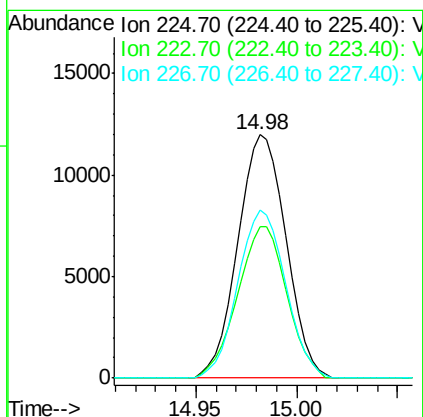
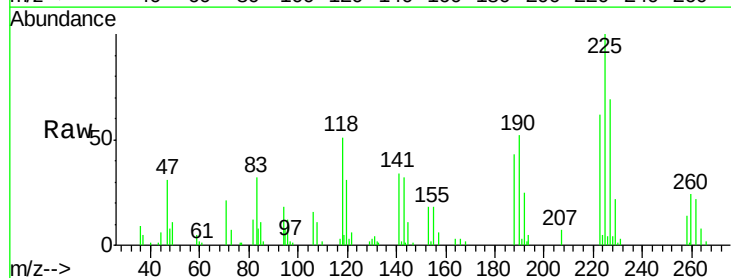
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

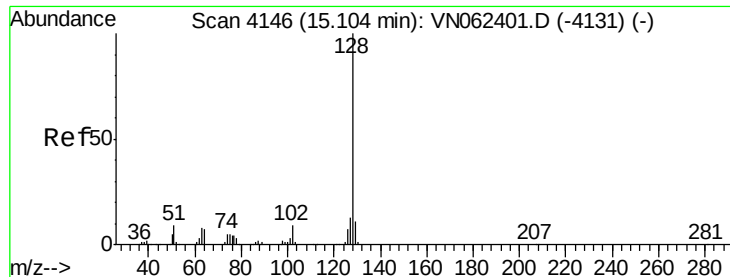
Tgt Ion:180 Resp: 35527
Ion Ratio Lower Upper
180 100
182 94.2 48.4 145.2
145 30.8 15.5 46.5



#94
Hexachlorobutadiene
Concen: 17.212 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:225 Resp: 20090
Ion Ratio Lower Upper
225 100
223 63.5 32.3 96.8
227 68.4 31.9 95.7

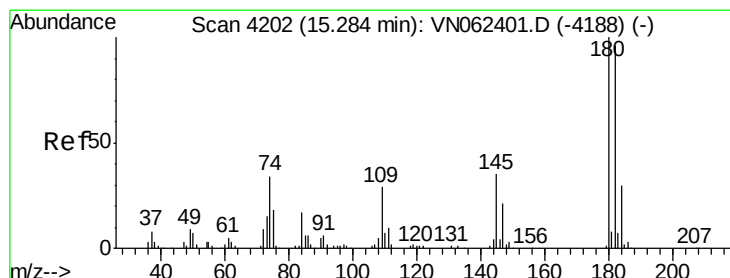
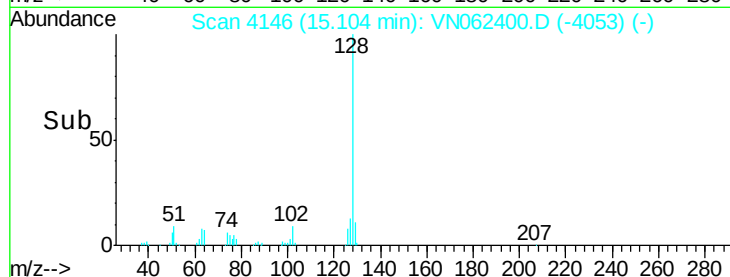
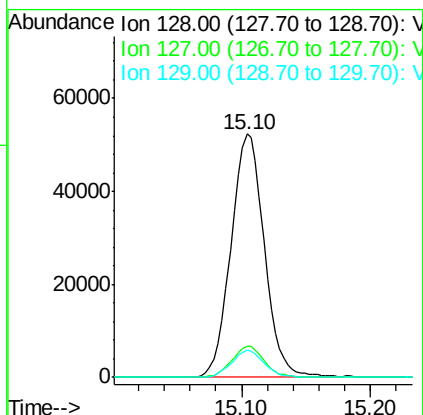
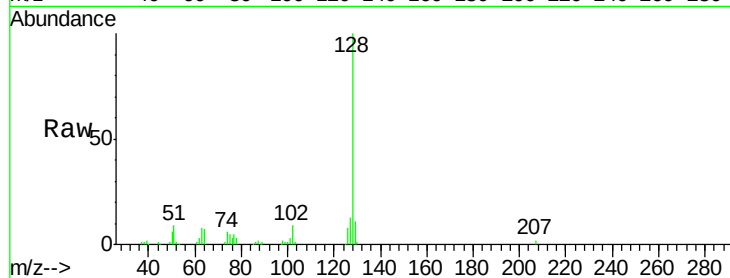




#95
Naphthalene
Concen: 18.993 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 93900
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.555 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062400.D
Acq: 8 Jul 2020 11:02

Tgt Ion:180 Resp: 35510
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.4
145 33.0 17.0 50.9

