

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062362.D
 Acq On : 6 Jul 2020 12:24
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jul 07 04:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	986256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1684233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1501482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	594280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	21841	1.46	ug/l	0.00
Spiked Amount			Recovery	=	2.92%	
35) Dibromofluoromethane	7.73	113	488	0.04	ug/l	0.18
Spiked Amount			Recovery	=	0.08%	
50) Toluene-d8	10.06	98	45616	1.03	ug/l	0.00
Spiked Amount			Recovery	=	2.06%	
62) 4-Bromofluorobenzene	12.37	95	17842	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13367	1.189	ug/l	95
3) Chloromethane	2.04	50	20364	1.352	ug/l	96
4) Vinyl Chloride	2.16	62	17951	1.050	ug/l	100
5) Bromomethane	2.54	94	12930	1.208	ug/l #	79
6) Chloroethane	2.67	64	9490	0.831	ug/l #	87
7) Trichlorofluoromethane	2.98	101	22048	1.011	ug/l	93
8) Diethyl Ether	3.37	74	9478	1.248	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.72	101	13999	1.239	ug/l #	85
10) Methyl Iodide	3.91	142	11544	0.895	ug/l #	95
11) Tert butyl alcohol	4.74	59	14348	6.766	ug/l #	94
12) 1,1-Dichloroethene	3.70	96	11998	1.070	ug/l	85
13) Acrolein	3.58	56	6380	3.584	ug/l	91
14) Allyl chloride	4.27	41	24542	1.439	ug/l	93
15) Acrylonitrile	4.94	53	29645	5.227	ug/l #	92
16) Acetone	3.77	43	50117	9.088	ug/l	98
17) Carbon Disulfide	4.01	76	40343	1.126	ug/l	98
18) Methyl Acetate	4.28	43	25167	2.070	ug/l #	89
19) Methyl tert-butyl Ether	4.99	73	39403	1.067	ug/l	92
20) Methylene Chloride	4.50	84	23435	1.684	ug/l #	89
21) trans-1,2-Dichloroethene	5.00	96	13237	1.041	ug/l	94
22) Diisopropyl ether	5.90	45	49238	1.295	ug/l	95
23) Vinyl Acetate	5.84	43	211740	6.842	ug/l #	93
24) 1,1-Dichloroethane	5.80	63	25831	1.114	ug/l	96
25) 2-Butanone	6.79	43	50918	6.831	ug/l	95
26) 2,2-Dichloropropane	6.78	77	23450	1.224	ug/l	84
27) cis-1,2-Dichloroethene	6.78	96	14344	0.997	ug/l	96
28) Bromochloromethane	7.15	49	13832	1.297	ug/l #	84
29) Tetrahydrofuran	7.17	42	29572	6.072	ug/l	94
30) Chloroform	7.33	83	26462	1.136	ug/l	88
31) Cyclohexane	7.62	56	51759	2.600	ug/l #	62
32) 1,1,1-Trichloroethane	7.52	97	22472	1.144	ug/l #	53
36) 1,1-Dichloropropene	7.75	75	19948	1.162	ug/l	100
37) Ethyl Acetate	6.88	43	18126	1.173	ug/l	96
38) Carbon Tetrachloride	7.73	117	19821	1.211	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	20836	1.114	ug/l	90
40) Benzene	8.00	78	56188	1.084	ug/l	96
41) Methacrylonitrile	7.12	41	6196	0.884	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	24847	1.359	ug/l	83
43) Isopropyl Acetate	8.13	43	33337	1.320	ug/l #	97
44) Trichloroethene	8.79	130	14056	1.086	ug/l	94
45) 1,2-Dichloropropane	9.08	63	16143	1.228	ug/l	91
46) Dibromomethane	9.17	93	10278	1.175	ug/l #	87
47) Bromodichloromethane	9.36	83	20841	1.170	ug/l	97
48) Methyl methacrylate	9.17	41	16843	1.452	ug/l	92
49) 1,4-Dioxane	9.17	88	5464	23.917	ug/l #	78
51) 4-Methyl-2-Pentanone	9.95	43	98490	6.736	ug/l	98
52) Toluene	10.12	92	30021	0.957	ug/l	91
53) t-1,3-Dichloropropene	10.36	75	19512	0.993	ug/l #	86
54) cis-1,3-Dichloropropene	9.81	75	22193	1.068	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	12446	1.009	ug/l #	94
56) Ethyl methacrylate	10.41	69	16946	0.992	ug/l	97
57) 1,3-Dichloropropane	10.68	76	23559	1.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	31705	4.941	ug/l #	78
59) 2-Hexanone	10.72	43	67358	6.312	ug/l	95
60) Dibromochloromethane	10.87	129	14057	1.060	ug/l	97
61) 1,2-Dibromoethane	10.98	107	12730	1.003	ug/l	91
64) Tetrachloroethene	10.60	164	12162	1.194	ug/l	88
65) Chlorobenzene	11.41	112	33291	1.013	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	12088	1.054	ug/l #	57
67) Ethyl Benzene	11.48	91	60316	1.078	ug/l	99
68) m/p-Xylenes	11.59	106	38765	1.810	ug/l	87
69) o-Xylene	11.92	106	19509	0.966	ug/l	95
70) Styrene	11.94	104	31324	0.928	ug/l	97
71) Bromoform	12.10	173	9037	1.092	ug/l #	94
73) Isopropylbenzene	12.22	105	51976	1.133	ug/l	100
74) N-amyl acetate	12.05	43	21183	1.274	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.48	83	18484	1.201	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	22178	1.583	ug/l #	100
77) Bromobenzene	12.50	156	11043	0.975	ug/l	72
78) n-propylbenzene	12.56	91	58662	1.114	ug/l	94
79) 2-Chlorotoluene	12.65	91	37027	1.157	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	41212	1.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6136	1.266	ug/l #	83
82) 4-Chlorotoluene	12.75	91	36213	1.095	ug/l	99
83) tert-Butylbenzene	12.97	119	34341	1.079	ug/l	93
84) 1,2,4-Trimethylbenzene	13.02	105	41110	1.103	ug/l	98
85) sec-Butylbenzene	13.15	105	43204	1.022	ug/l	98
86) p-Isopropyltoluene	13.26	119	40411	1.094	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	19645	0.985	ug/l	96
88) 1,4-Dichlorobenzene	13.26	146	19645	0.954	ug/l	95
89) n-Butylbenzene	13.59	91	32057	1.036	ug/l	96
90) Hexachloroethane	13.85	117	9369	1.274	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	17670	0.913	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2793	1.096	ug/l	64

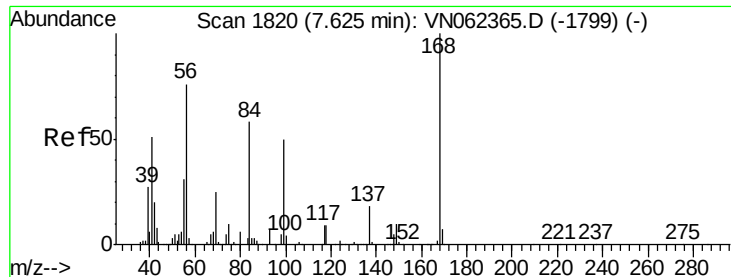
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
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Instrument :
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ClientSampleId :
VSTDICC001

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6212	0.727	ug/l	86
94) Hexachlorobutadiene	14.98	225	7042	1.794	ug/l	91
95) Naphthalene	15.11	128	16351	0.667	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.28	180	8301	0.952	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

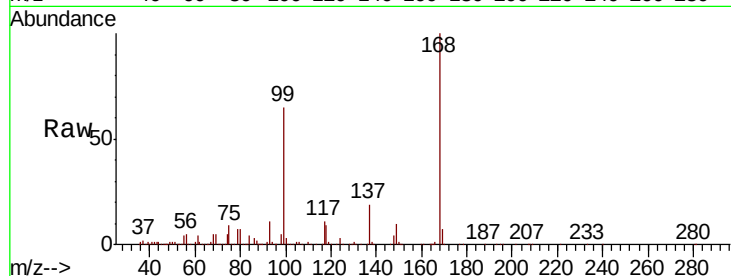
VSTDIC001

Tot Ion:168 Resp: 986256

Ion Ratio Lower Upper

168 100

99 64.8 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

400000

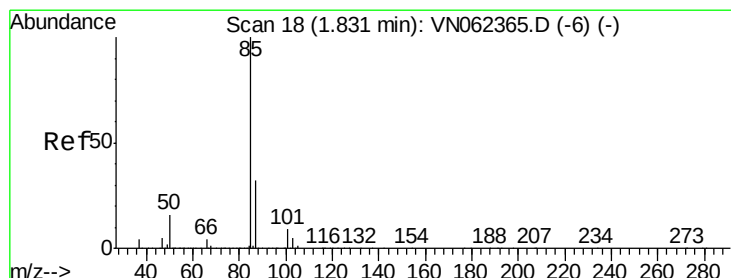
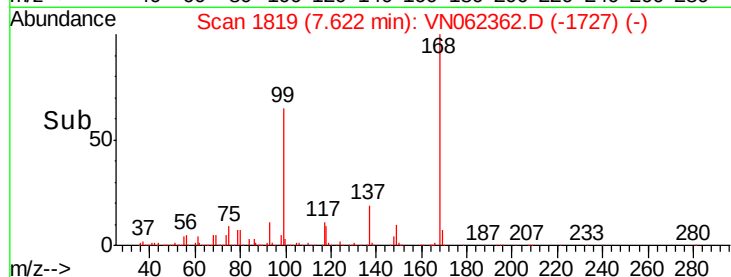
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.189 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062362.D

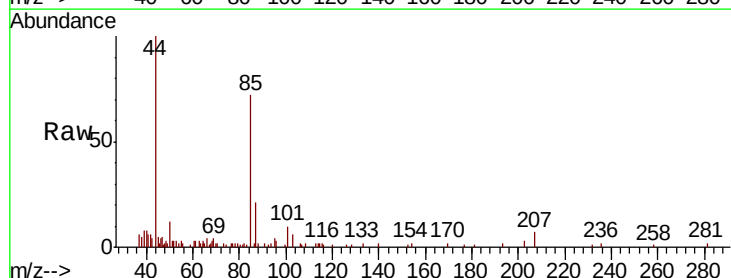
Acq: 6 Jul 2020 12:24

Tgt Ion: 85 Resp: 13367

Ion Ratio Lower Upper

85 100

87 28.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

10000

8000

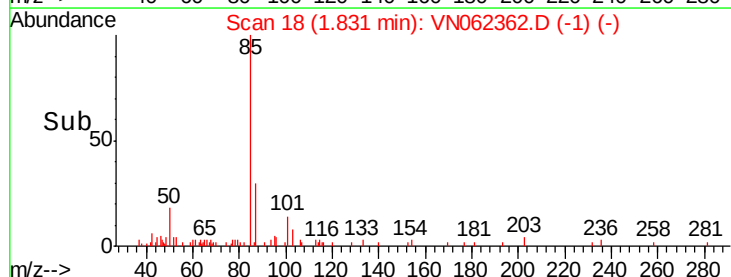
6000

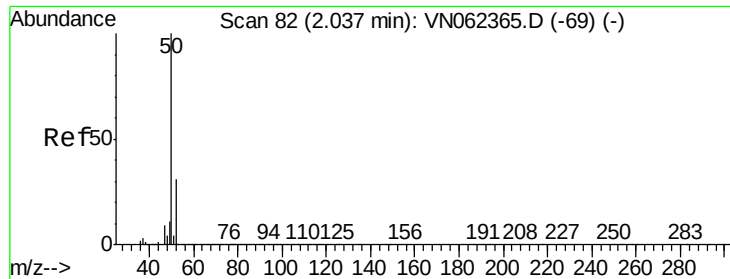
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.352 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

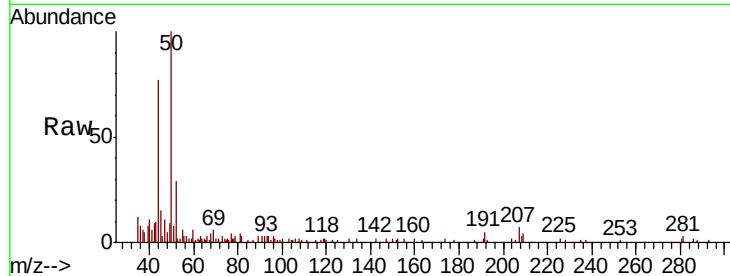
VSTDIC001

Tot Ion: 50 Resp: 20364

Ion Ratio Lower Upper

50 100

52 29.3 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

15000

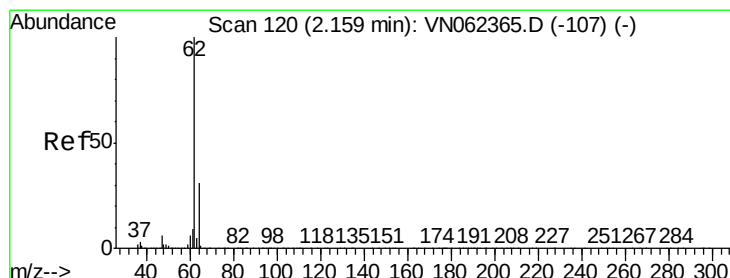
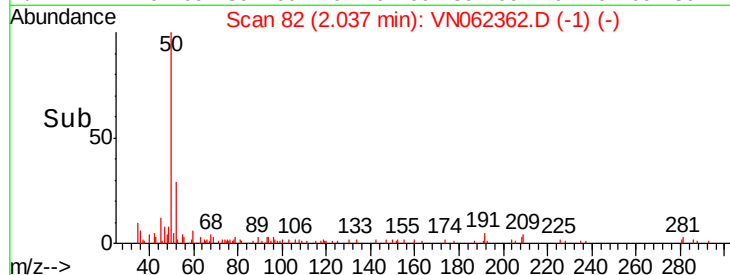
10000

5000

0

2.00 2.05

Time-->



#4

Vinyl Chloride

Concen: 1.050 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062362.D

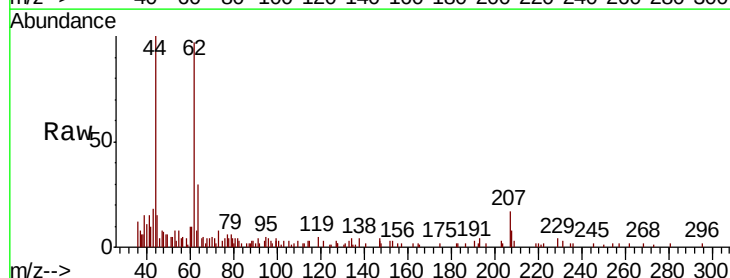
Acq: 6 Jul 2020 12:24

Tgt Ion: 62 Resp: 17951

Ion Ratio Lower Upper

62 100

64 30.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

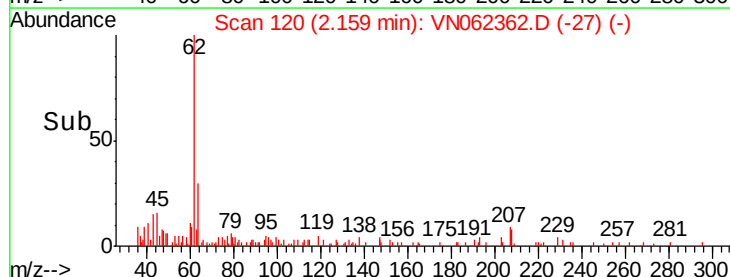
10000

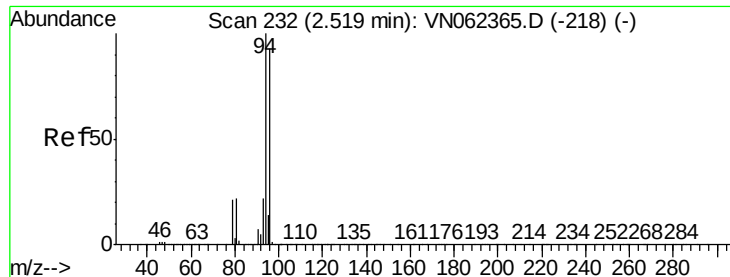
5000

0

2.10 2.15 2.20

Time-->





#5

Bromomethane

Concen: 1.208 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

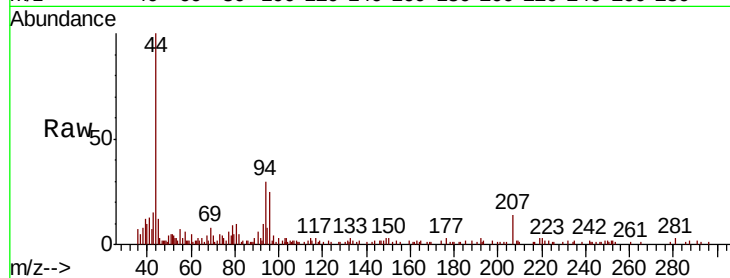
VSTDIC001

Tot Ion: 94 Resp: 12930

Ion Ratio Lower Upper

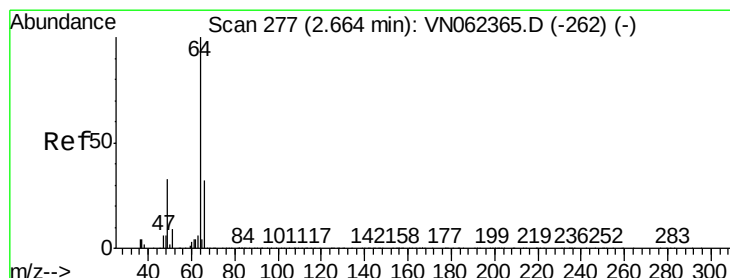
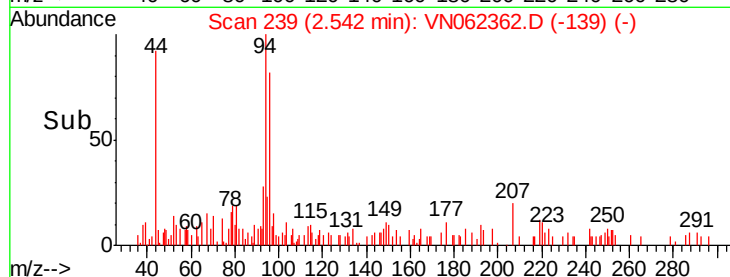
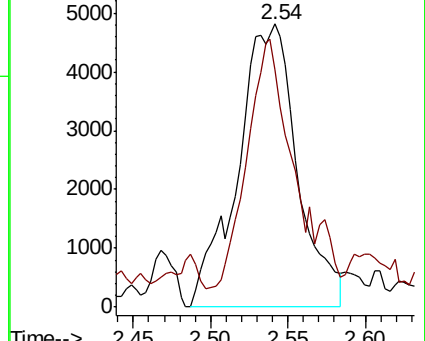
94 100

96 73.1 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.831 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062362.D

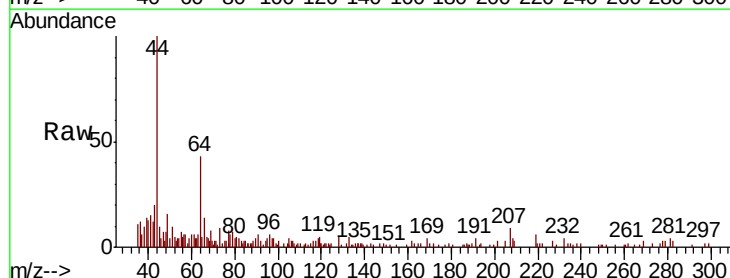
Acq: 6 Jul 2020 12:24

Tgt Ion: 64 Resp: 9490

Ion Ratio Lower Upper

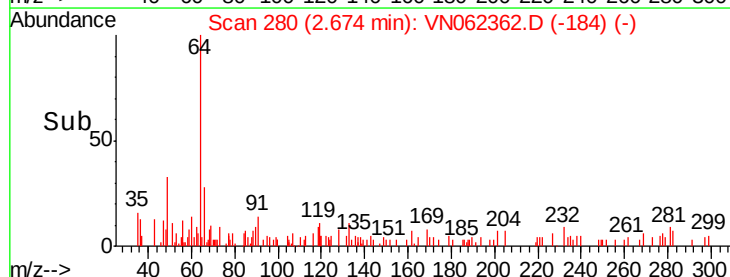
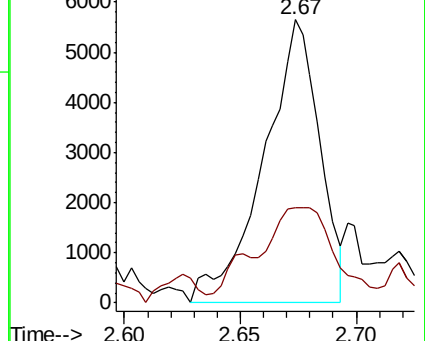
64 100

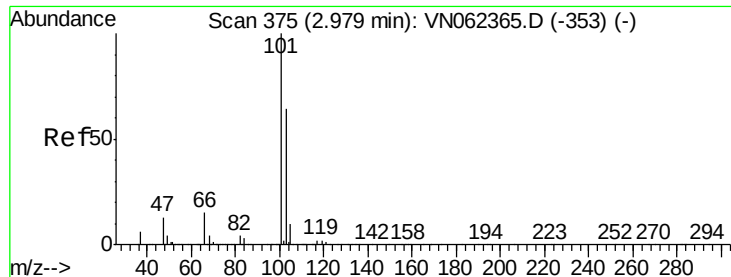
66 25.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



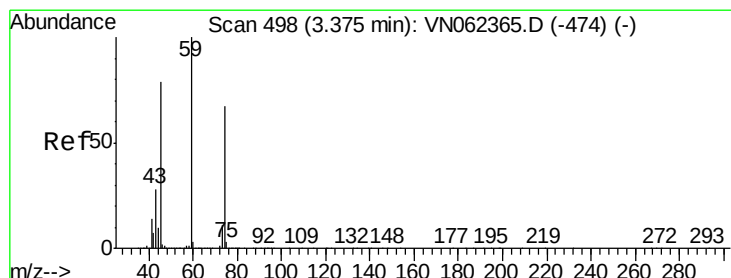
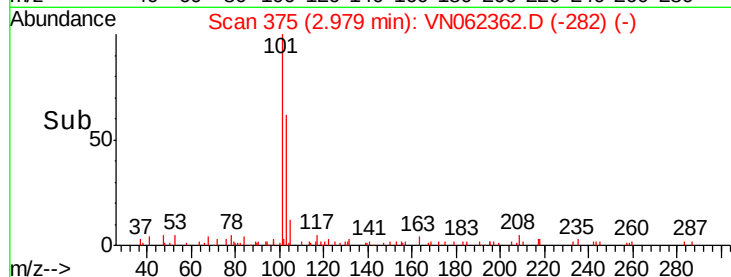
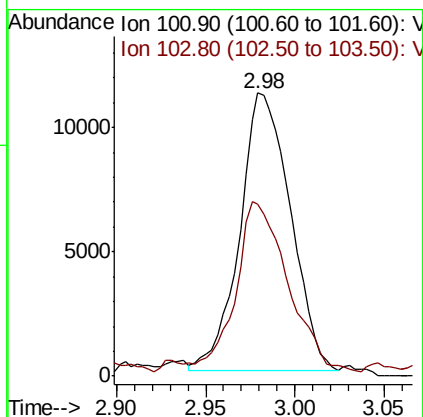
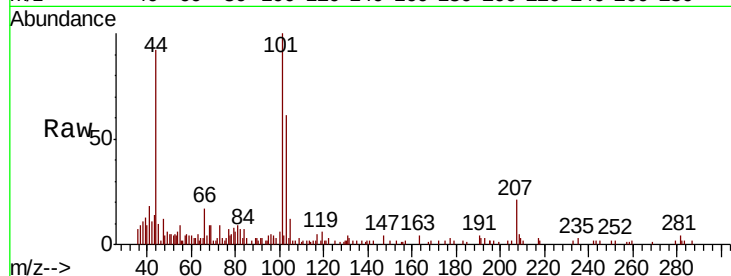


#7

Trichlorofluoromethane
Concen: 1.011 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

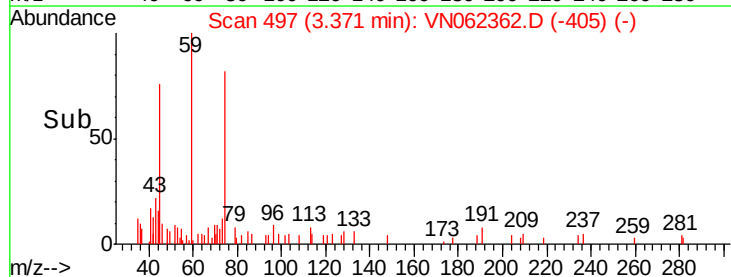
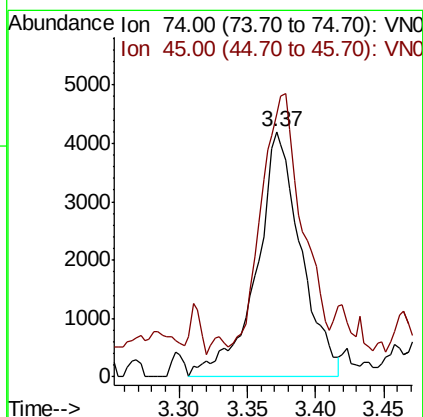
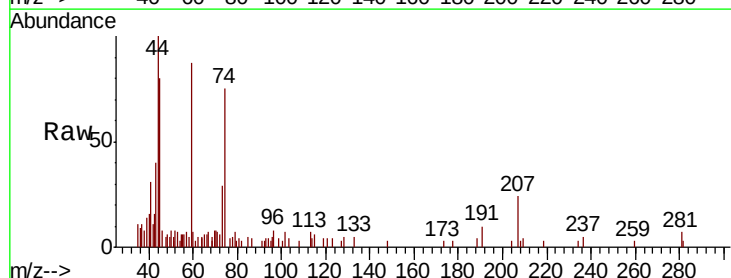
Tot Ion:101 Resp: 22048
Ion Ratio Lower Upper
101 100
103 58.2 51.0 76.6

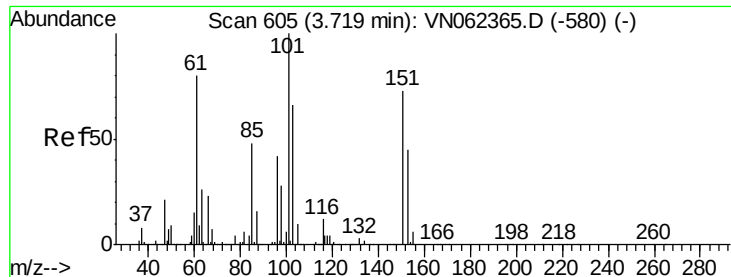


#8

Diethyl Ether
Concen: 1.248 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion: 74 Resp: 9478
Ion Ratio Lower Upper
74 100
45 93.4 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.239 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

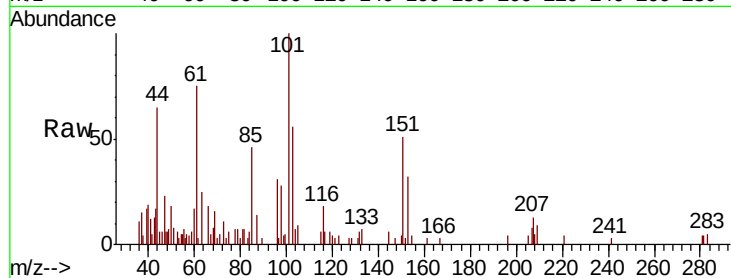
Tot Ion:101 Resp: 13999

Ion Ratio Lower Upper

101 100

85 36.9 38.6 57.8#

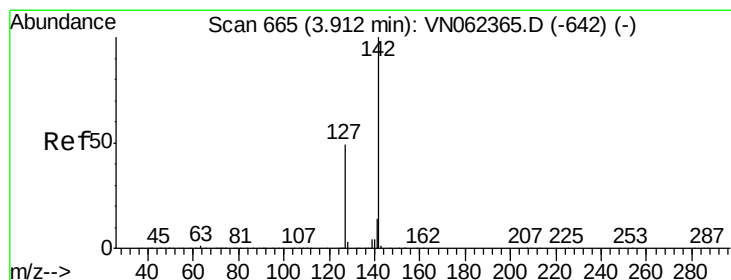
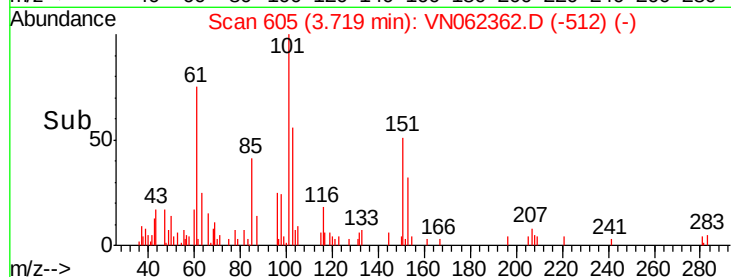
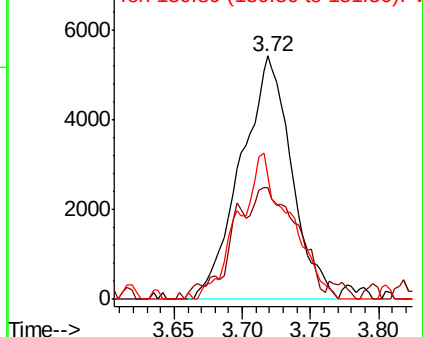
151 60.7 58.3 87.5



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: 0.895 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

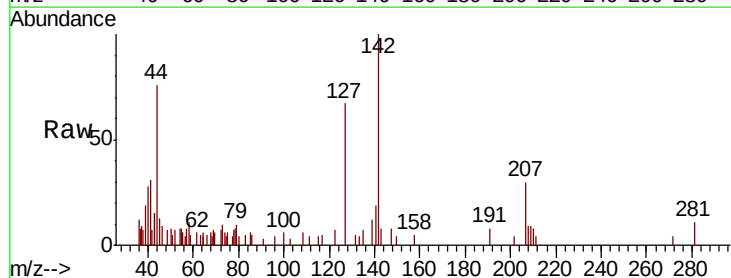
Tgt Ion:142 Resp: 11544

Ion Ratio Lower Upper

142 100

127 53.3 41.0 61.6

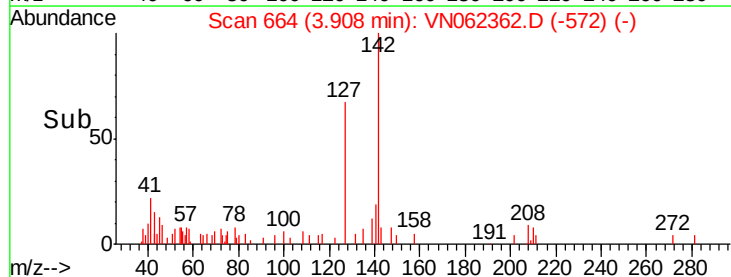
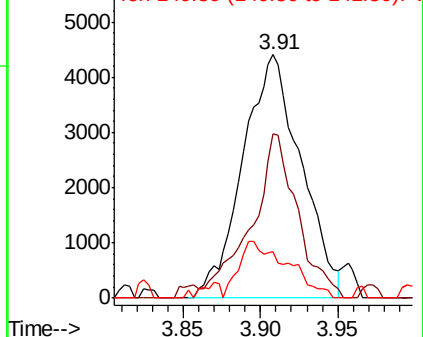
141 19.7 11.8 17.8#

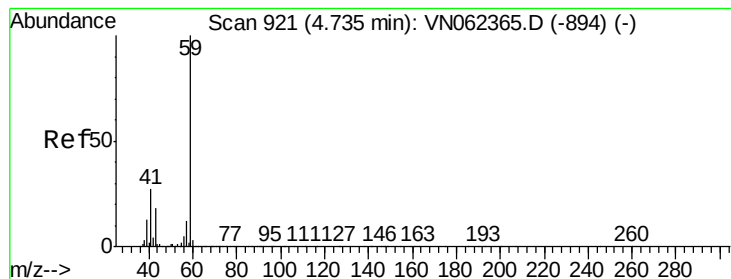


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 6.766 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

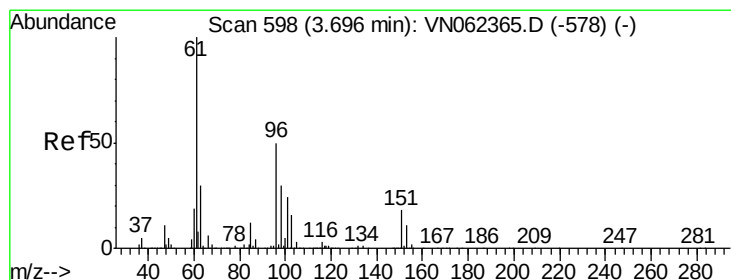
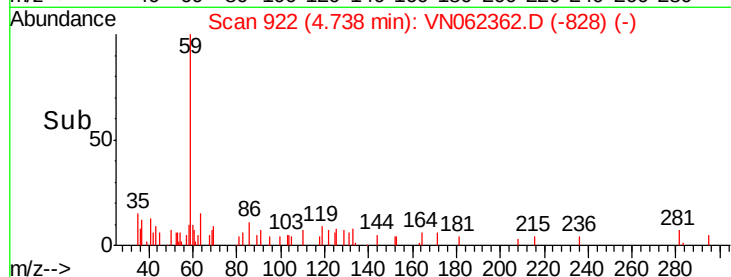
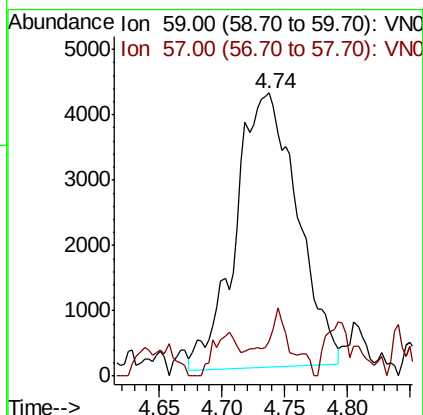
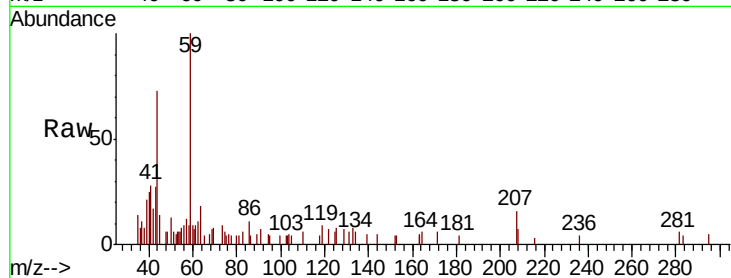
VSTDIC001

Tot Ion: 59 Resp: 14348

Ion Ratio Lower Upper

59 100

57 8.3 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 1.070 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

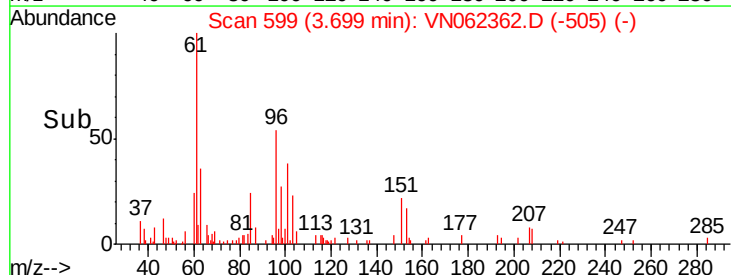
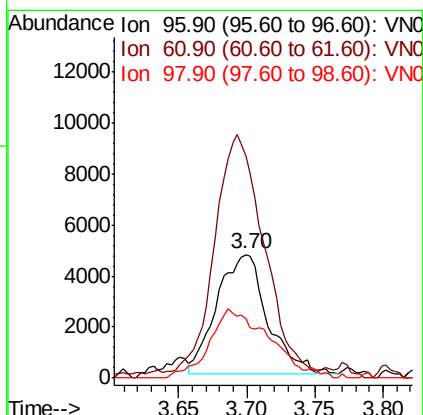
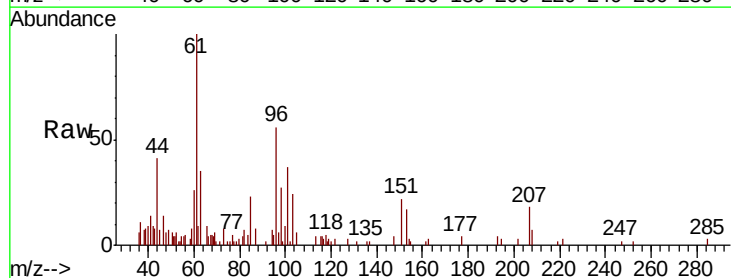
Tgt Ion: 96 Resp: 11998

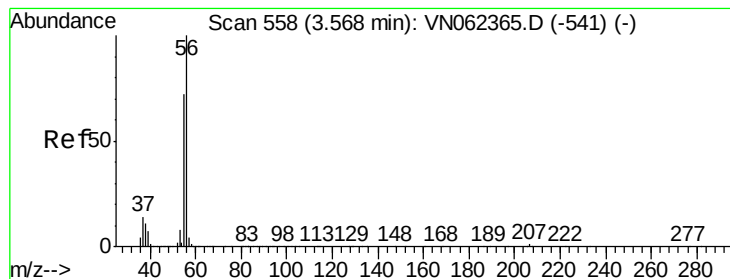
Ion Ratio Lower Upper

96 100

61 178.5 161.4 242.0

98 49.5 48.8 73.2





#13

Acrolein

Concen: 3.584 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

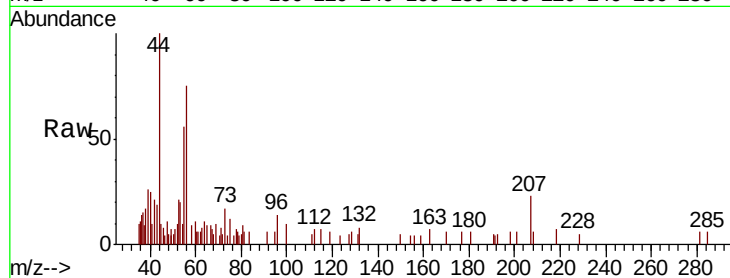
VSTDIC001

Tot Ion: 56 Resp: 6380

Ion Ratio Lower Upper

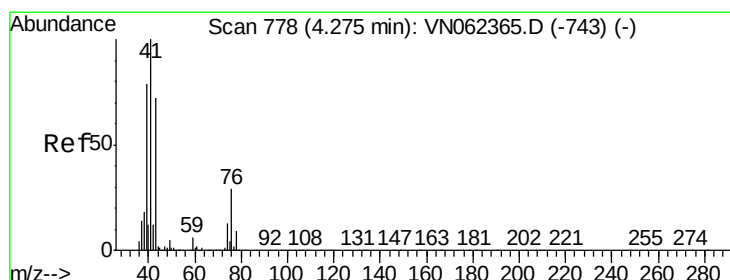
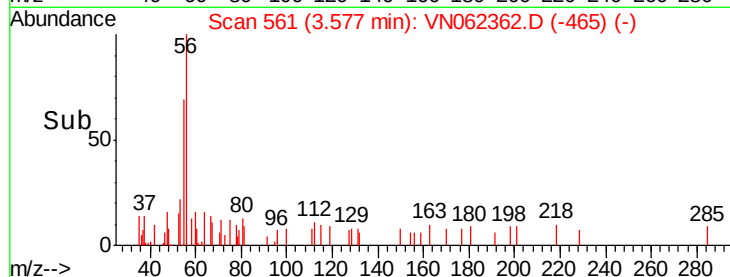
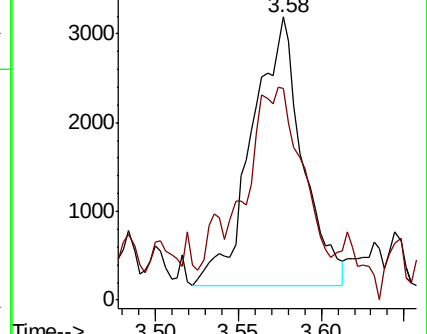
56 100

55 67.0 59.6 89.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.439 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

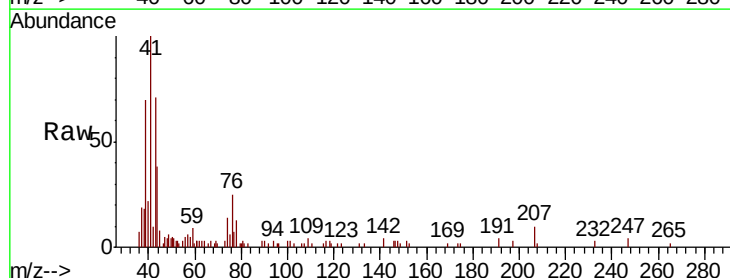
Tgt Ion: 41 Resp: 24542

Ion Ratio Lower Upper

41 100

39 80.6 59.8 89.6

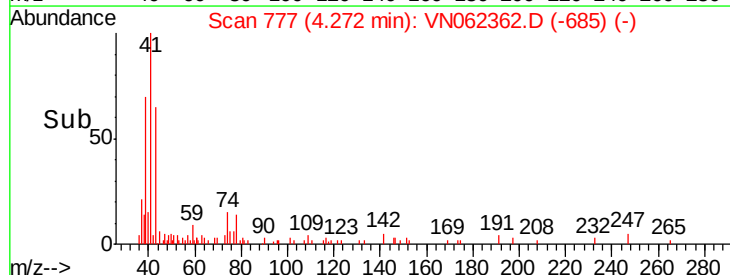
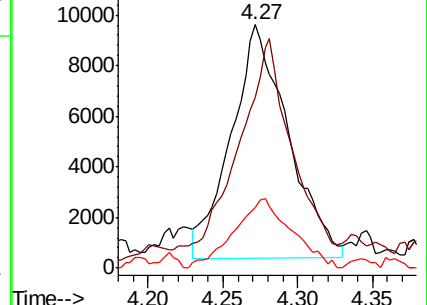
76 29.9 20.7 31.1

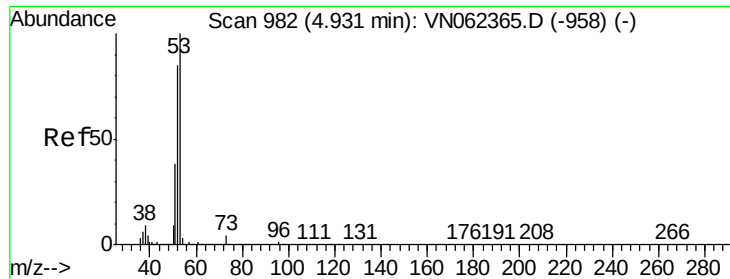


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 5.227 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

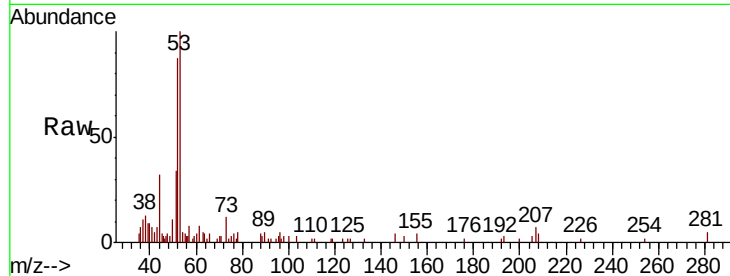
Tot Ion: 53 Resp: 29645

Ion Ratio Lower Upper

53 100

52 84.4 67.6 101.4

51 22.4 30.6 45.8#

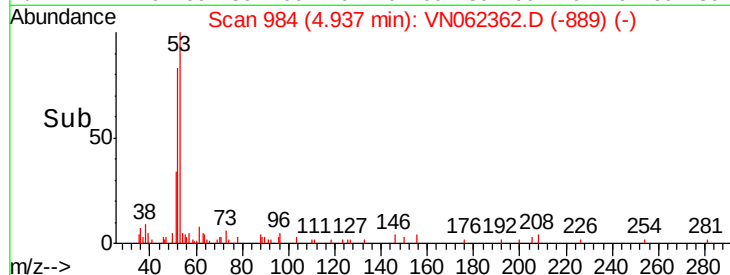


Abundance Ion 53.00 (52.70 to 53.70): VN062362.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062362.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062362.D (-889) (-)

Time-->

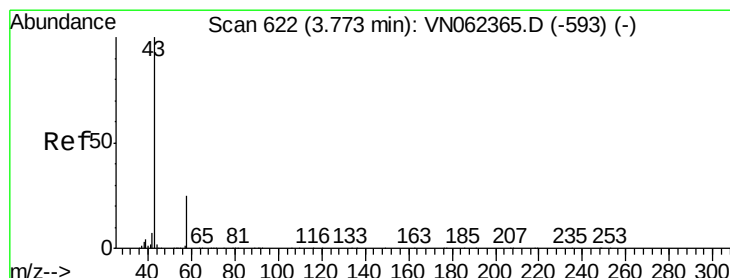


Abundance Ion 53.00 (52.70 to 53.70): VN062362.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062362.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062362.D (-889) (-)

Time-->



#16

Acetone

Concen: 9.088 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062362.D

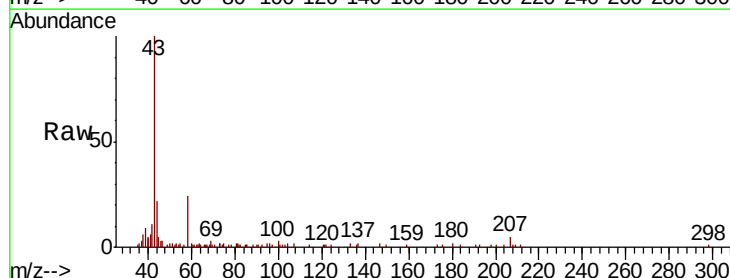
Acq: 6 Jul 2020 12:24

Tgt Ion: 43 Resp: 50117

Ion Ratio Lower Upper

43 100

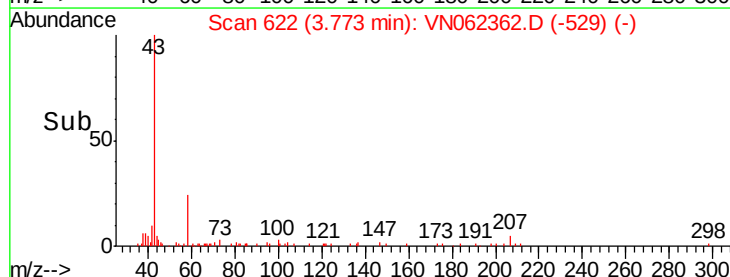
58 24.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062362.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062362.D (-529) (-)

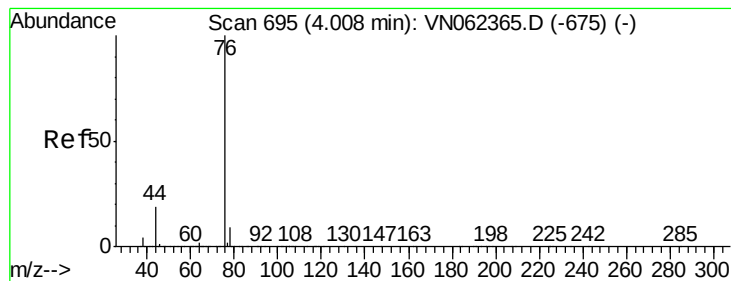
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN062362.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062362.D (-529) (-)

Time-->



#17

Carbon Disulfide

Concen: 1.126 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

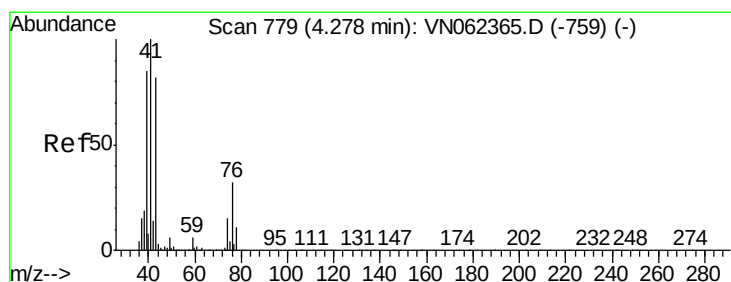
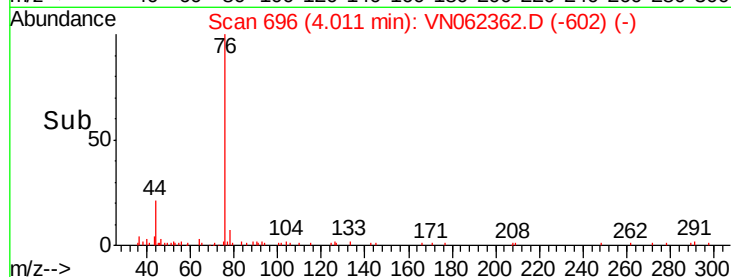
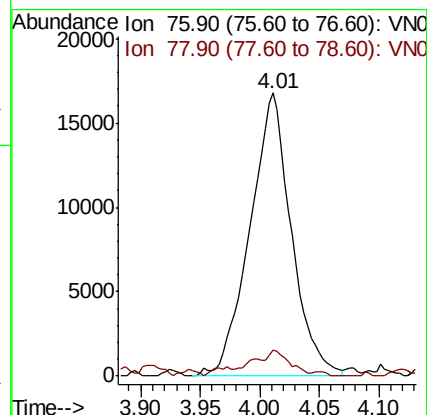
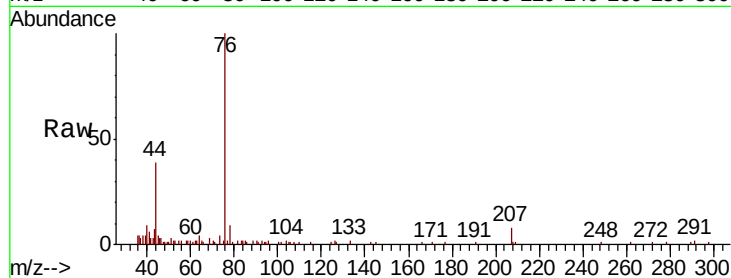
VSTDIC001

Tot Ion: 76 Resp: 40343

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3



#18

Methyl Acetate

Concen: 2.070 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062362.D

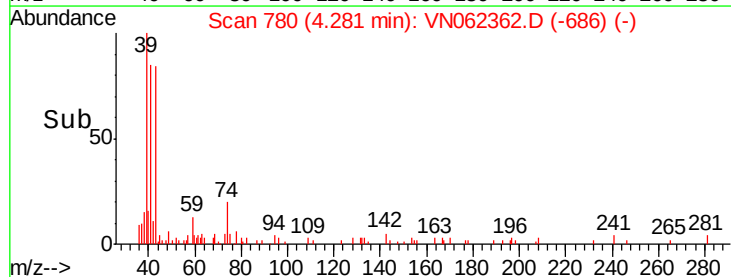
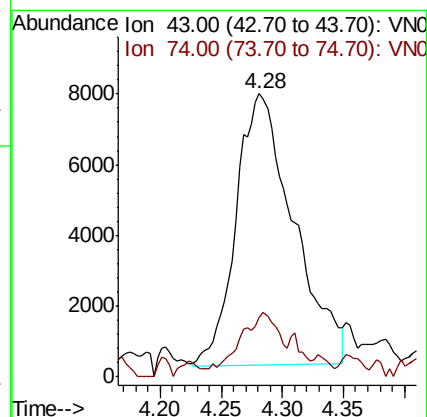
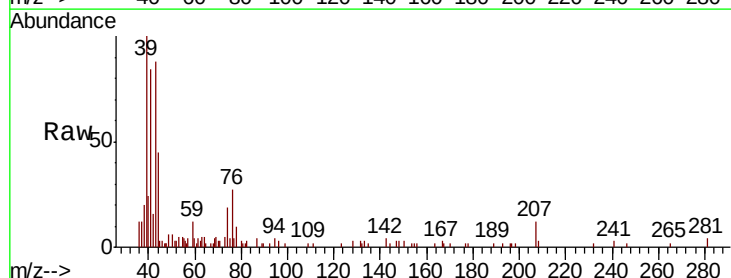
Acq: 6 Jul 2020 12:24

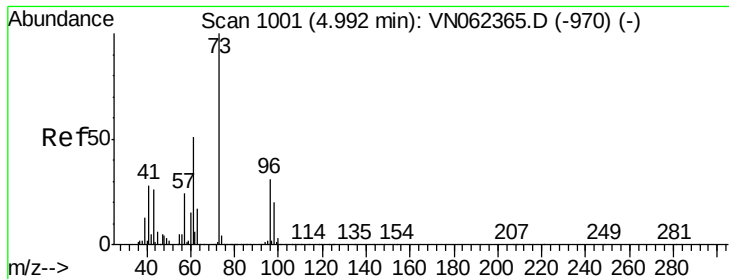
Tgt Ion: 43 Resp: 25167

Ion Ratio Lower Upper

43 100

74 13.0 14.2 21.4#



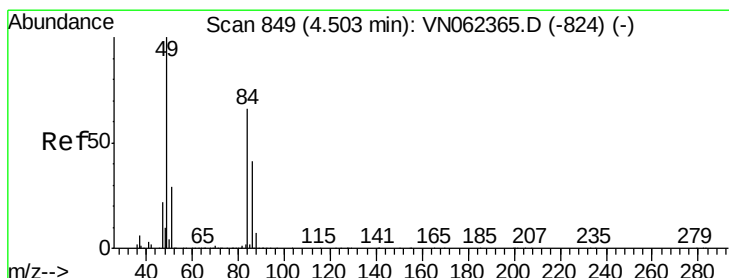
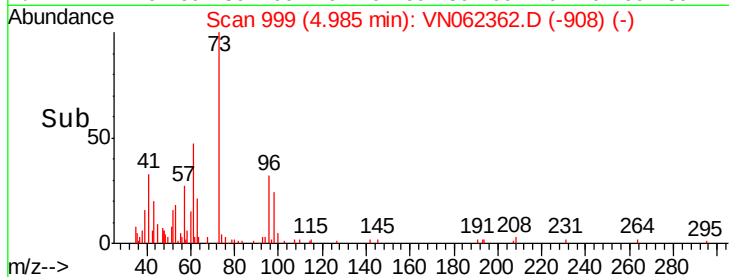
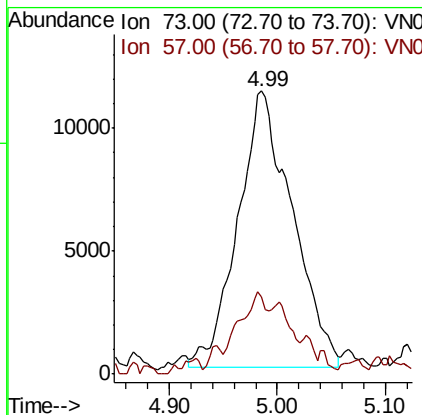
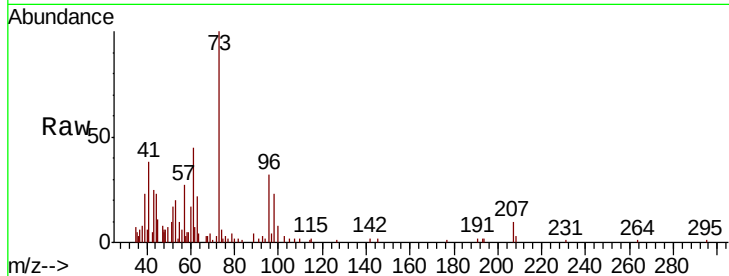


#19

Methyl tert-butyl Ether
 Concen: 1.067 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

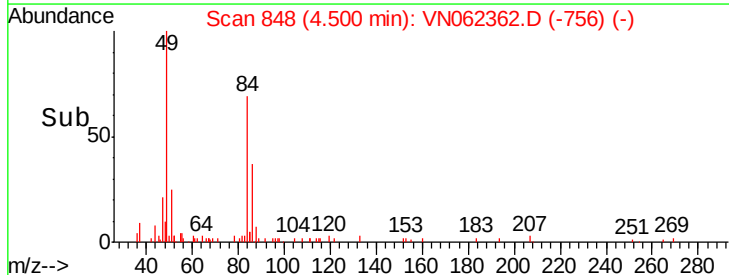
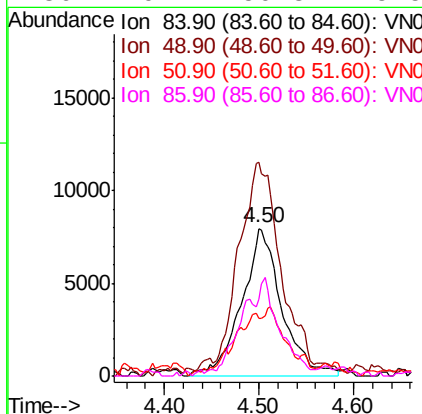
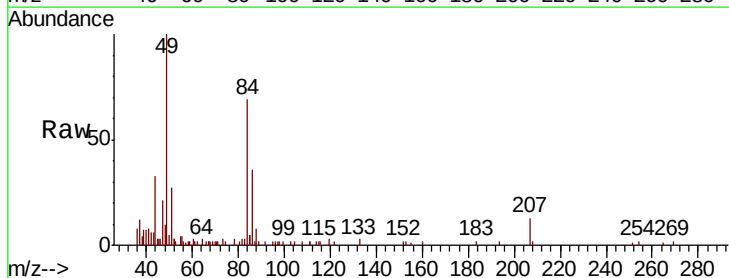
Tot Ion: 73 Resp: 39403
 Ion Ratio Lower Upper
 73 100
 57 27.3 18.9 28.3

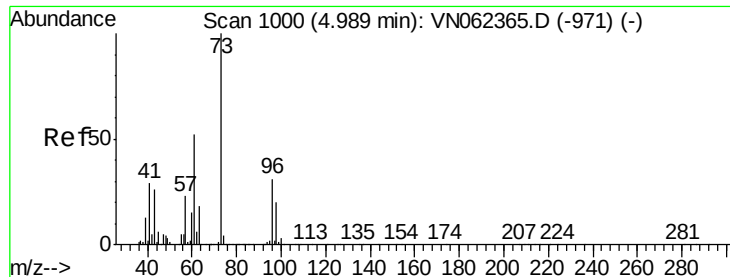


#20

Methylene Chloride
 Concen: 1.684 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 84 Resp: 23435
 Ion Ratio Lower Upper
 84 100
 49 140.5 121.8 182.6
 51 39.4 35.0 52.4
 86 49.2 50.3 75.5#





#21

trans-1,2-Dichloroethene

Concen: 1.041 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

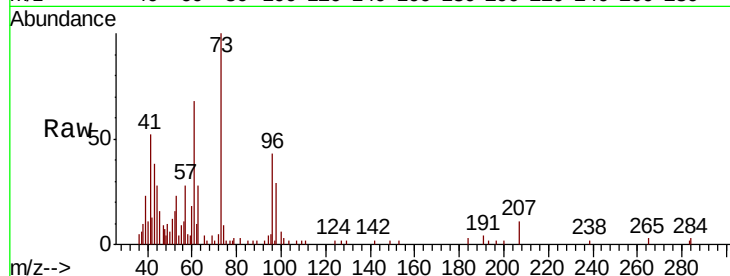
Tot Ion: 96 Resp: 13237

Ion Ratio Lower Upper

96 100

61 158.3 134.7 202.1

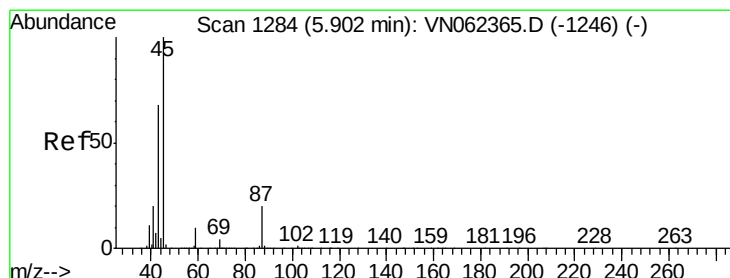
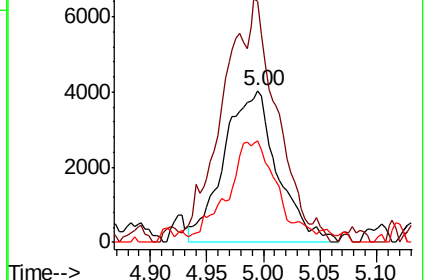
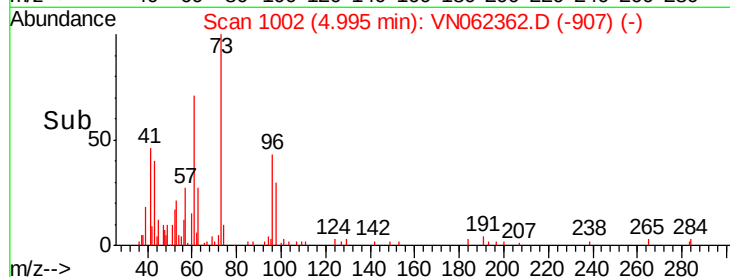
98 63.3 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VN062362.D (-971) (-)

Ion 60.90 (60.60 to 61.60): VN062362.D (-971) (-)

Ion 97.90 (97.60 to 98.60): VN062362.D (-971) (-)



#22

Diisopropyl ether

Concen: 1.295 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Tgt Ion: 45 Resp: 49238

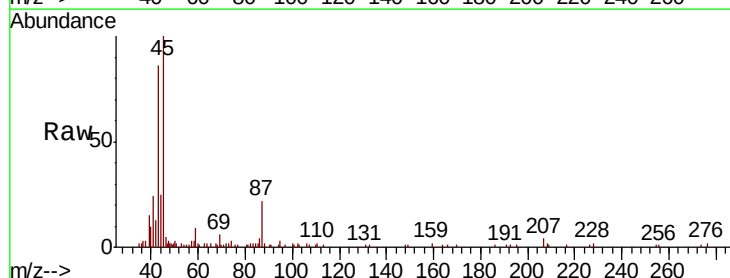
Ion Ratio Lower Upper

45 100

43 72.4 54.6 81.8

87 22.9 16.6 24.8

59 9.5 7.7 11.5

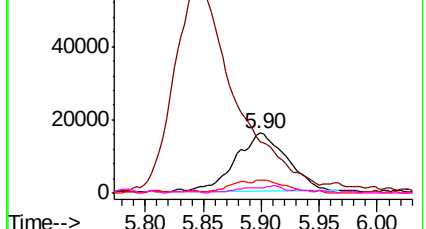
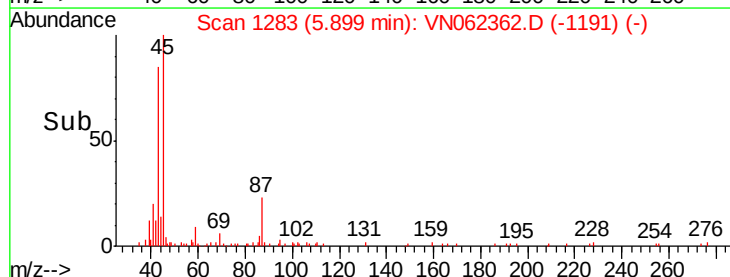


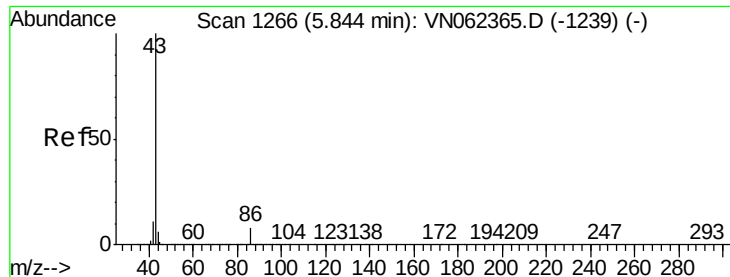
Abundance Ion 45.00 (44.70 to 45.70): VN062362.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062362.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062362.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062362.D (-1191) (-)

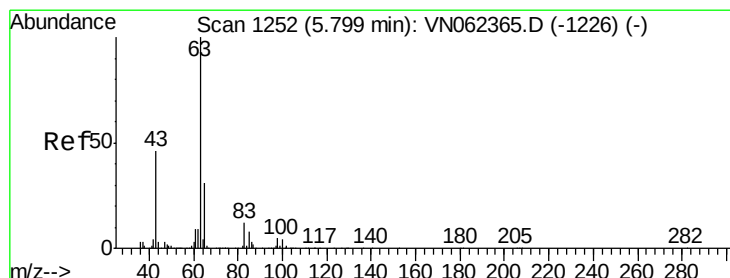
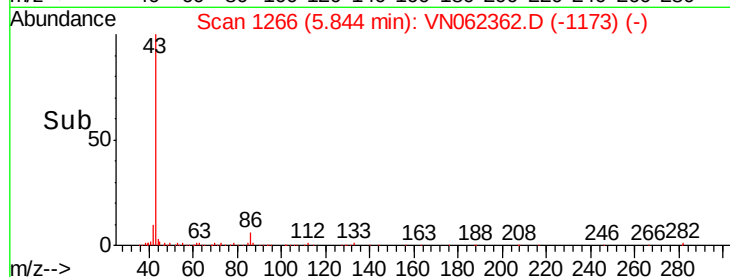
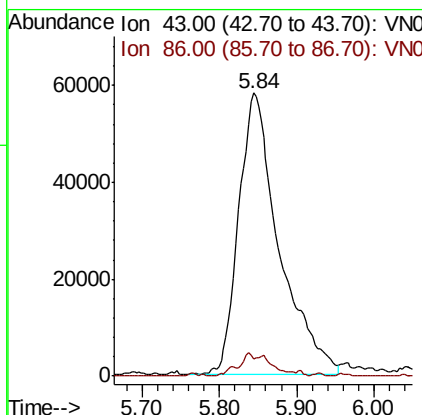
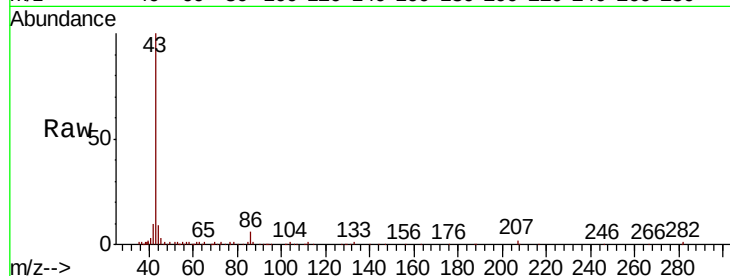




#23
 Vinyl Acetate
 Concen: 6.842 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

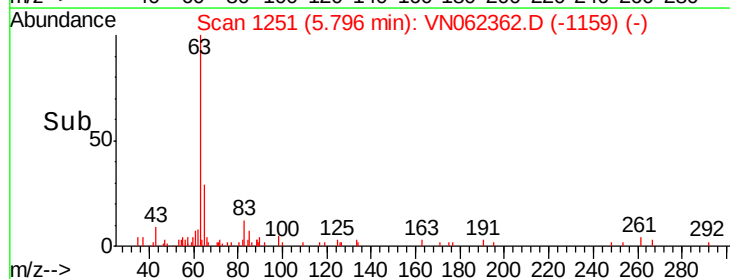
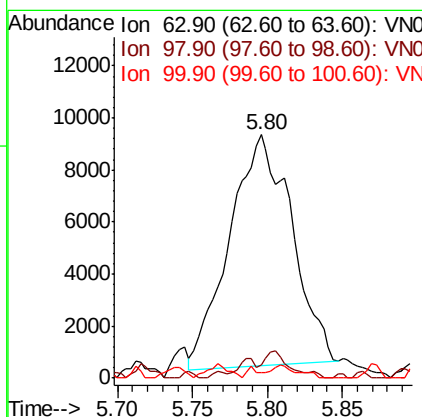
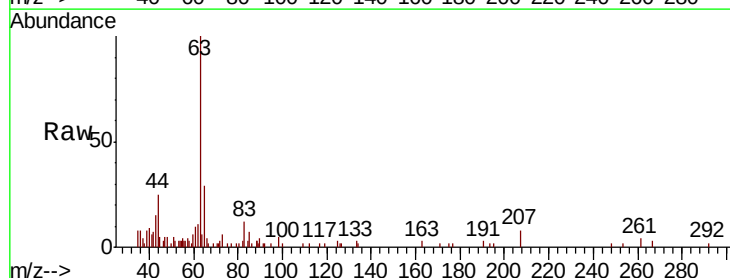
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

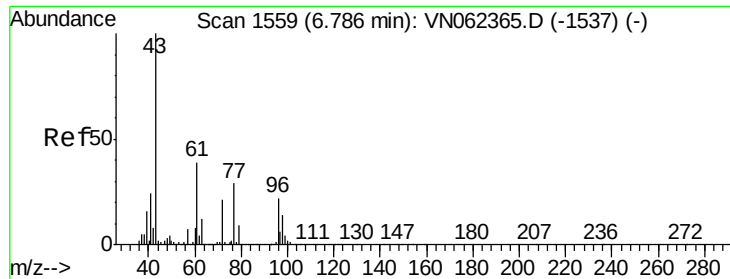
Tot Ion: 43 Resp: 211740
 Ion Ratio Lower Upper
 43 100
 86 5.7 6.6 9.8#



#24
 1,1-Dichloroethane
 Concen: 1.114 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 63 Resp: 25831
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.6 7.8
 100 2.2 1.8 5.3

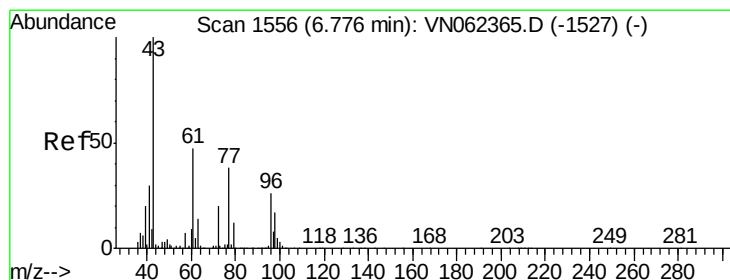
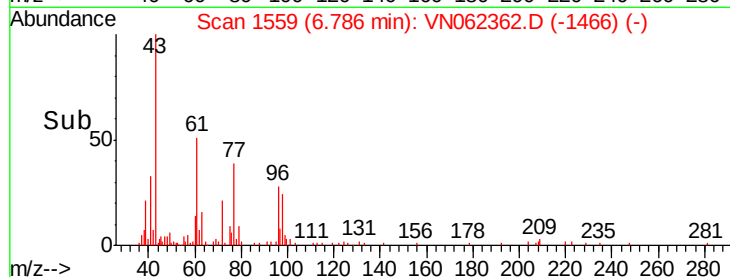
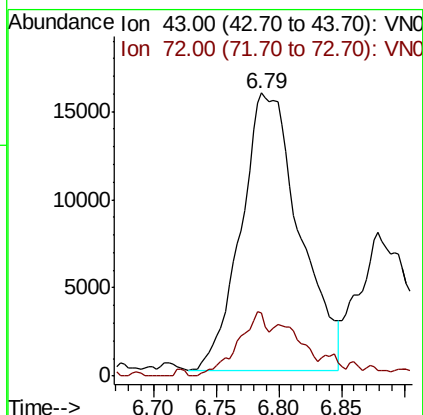
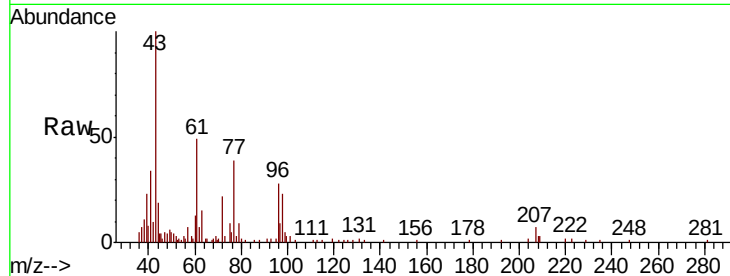




#25
 2-Butanone
 Concen: 6.831 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

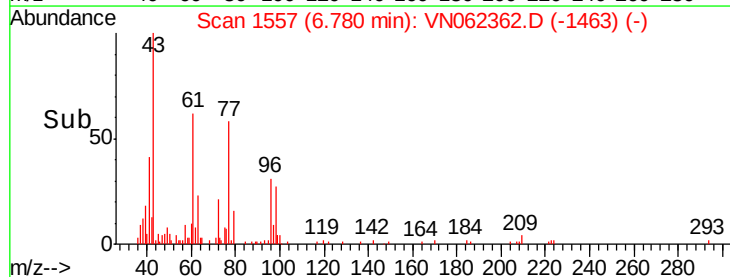
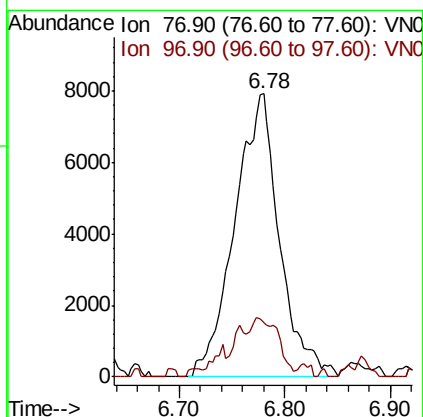
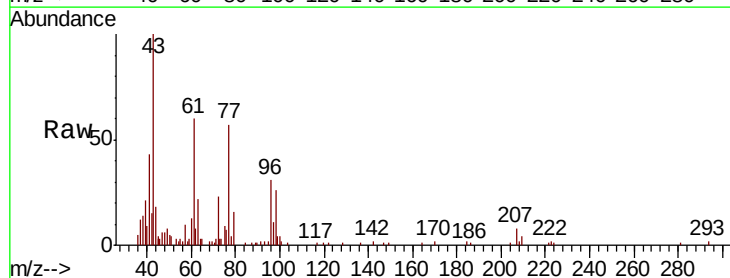
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

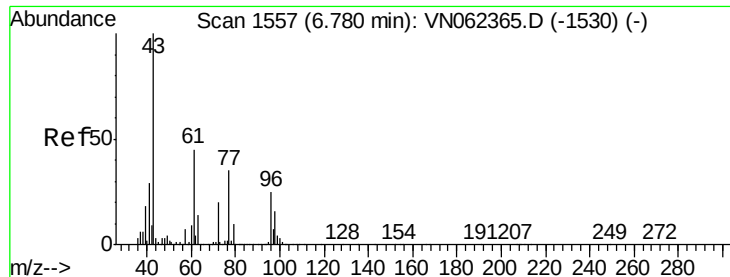
Tot Ion: 43 Resp: 50918
 Ion Ratio Lower Upper
 43 100
 72 22.7 16.4 24.6



#26
 2,2-Dichloropropane
 Concen: 1.224 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 77 Resp: 23450
 Ion Ratio Lower Upper
 77 100
 97 12.9 10.1 30.1

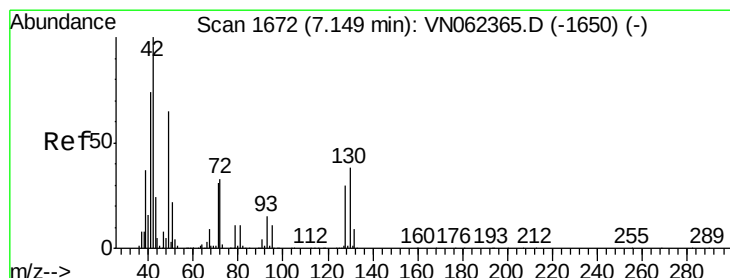
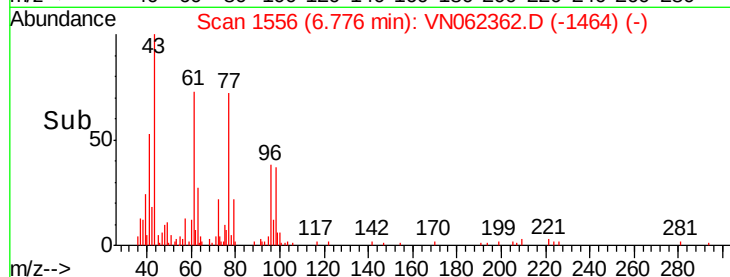
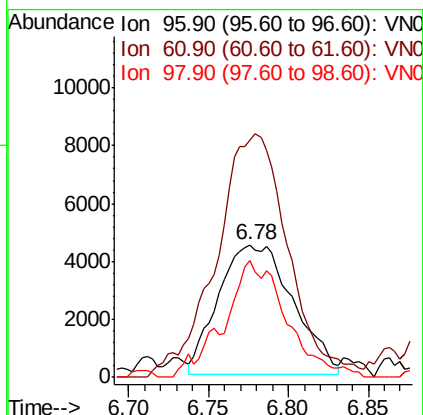
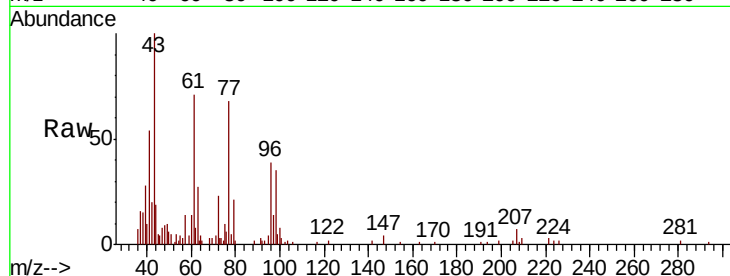




#27
 cis-1,2-Dichloroethene
 Concen: 0.997 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

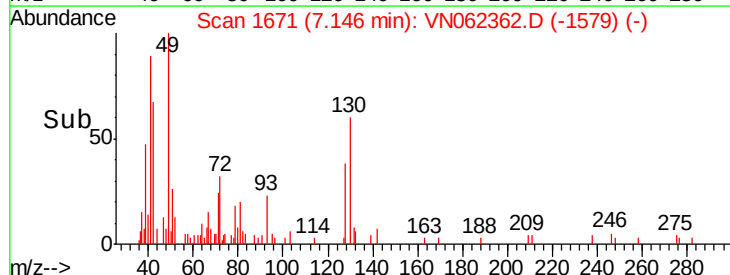
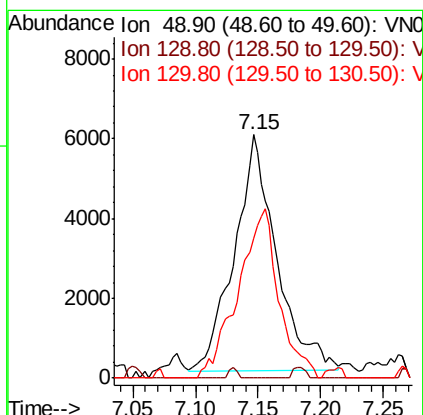
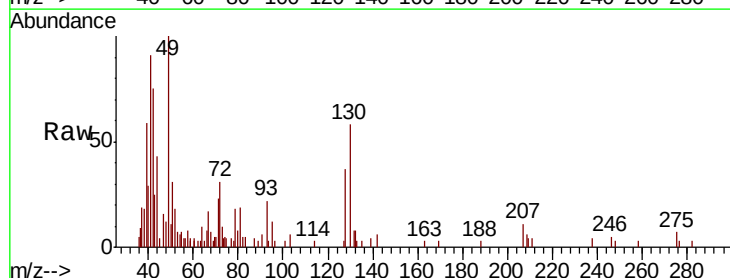
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

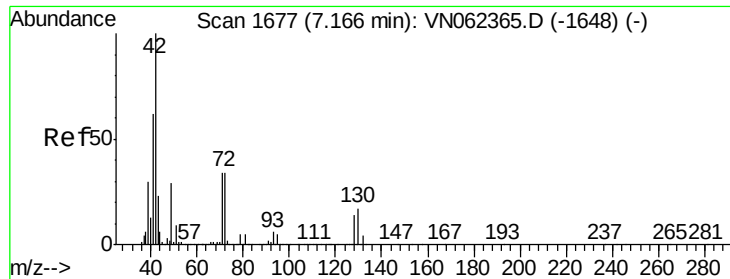
Tot Ion	96	Resp	14344
Ion	Ratio	Lower	Upper
96	100		
61	181.2	0.0	358.8
98	75.7	0.0	130.6



#28
 Bromochloromethane
 Concen: 1.297 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion	49	Resp	13832
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	69.1	45.8	68.8#





#29

Tetrahydrofuran

Concen: 6.072 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

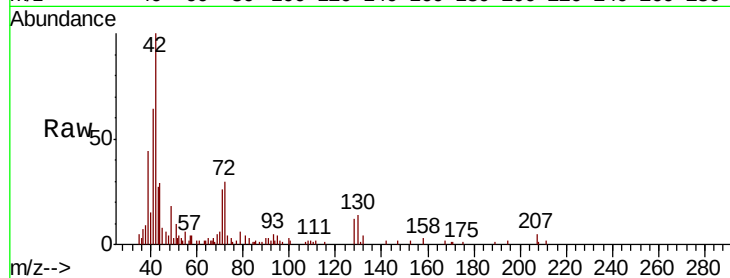
Tot Ion: 42 Resp: 29572

Ion Ratio Lower Upper

42 100

72 37.8 26.8 40.2

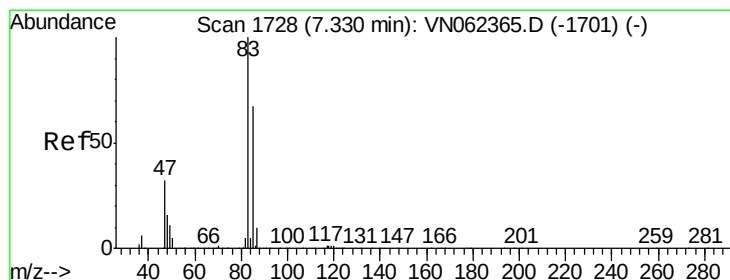
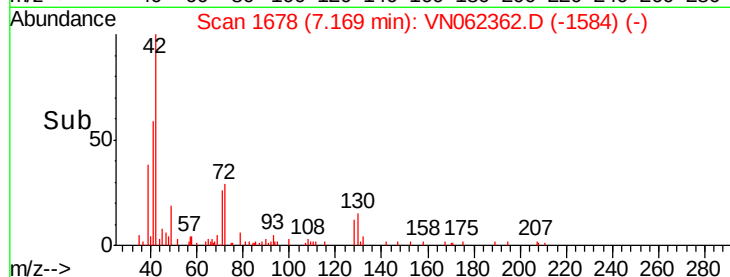
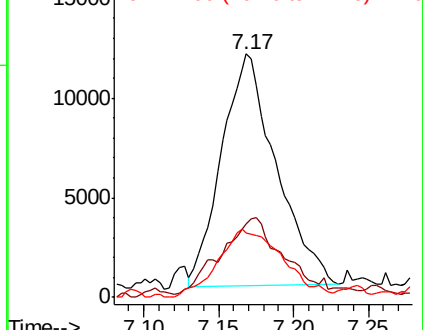
71 34.8 26.0 39.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.136 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN062362.D

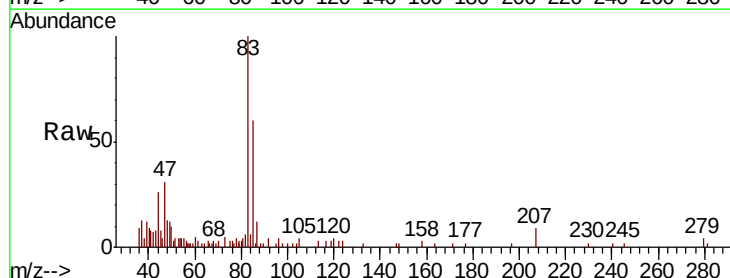
Acq: 6 Jul 2020 12:24

Tgt Ion: 83 Resp: 26462

Ion Ratio Lower Upper

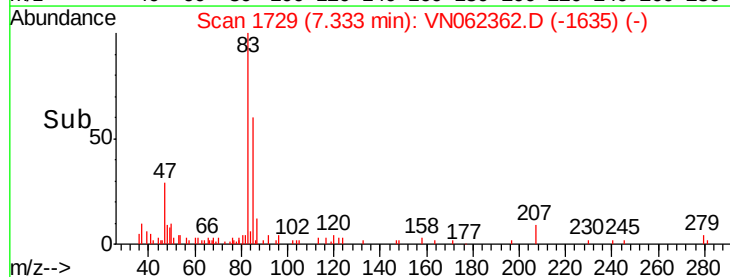
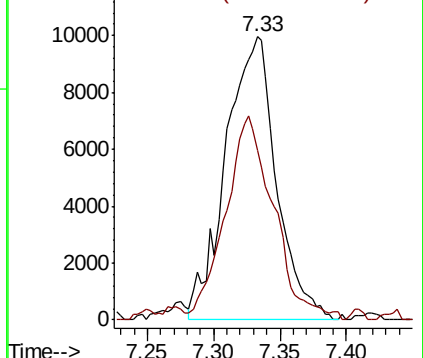
83 100

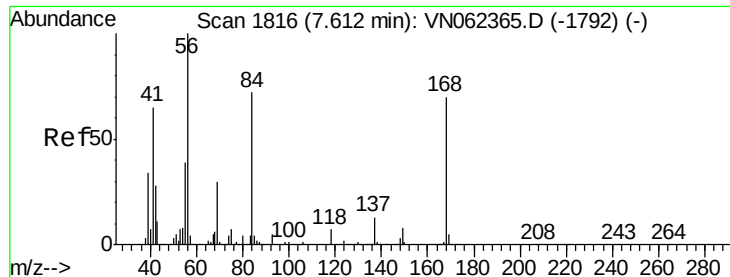
85 57.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 2.600 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

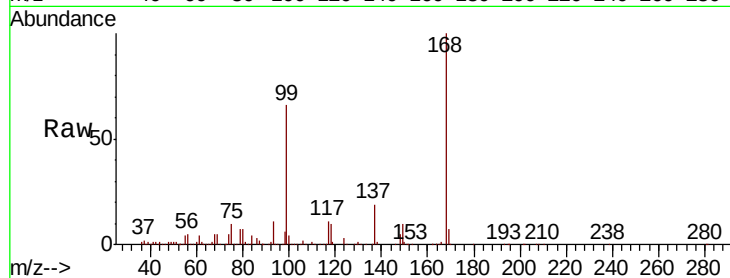
Tot Ion: 56 Resp: 51759

Ion Ratio Lower Upper

56 100

69 95.9 23.7 35.5#

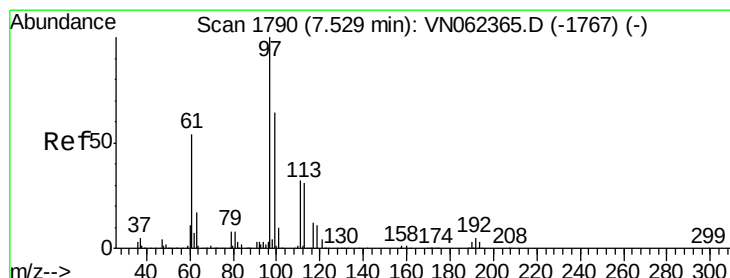
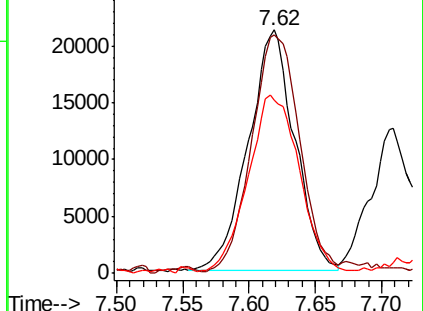
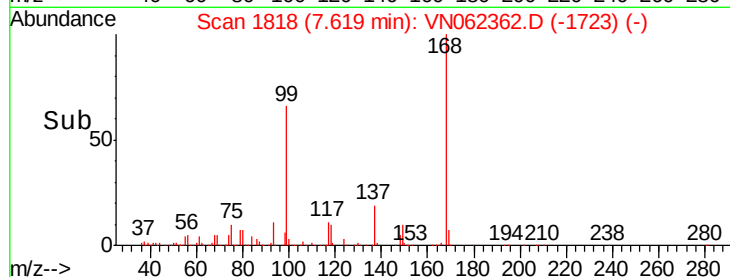
84 69.5 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VN062362.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062362.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062362.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 1.144 ug/l

RT: 7.52 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

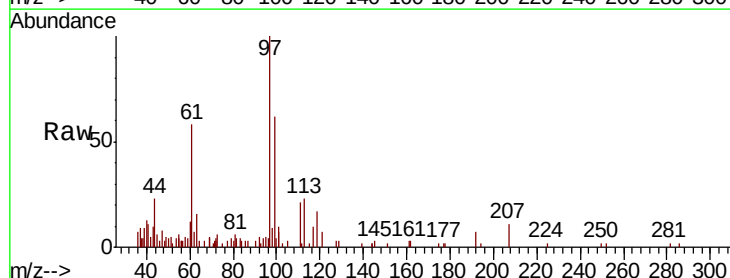
Tgt Ion: 97 Resp: 22472

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

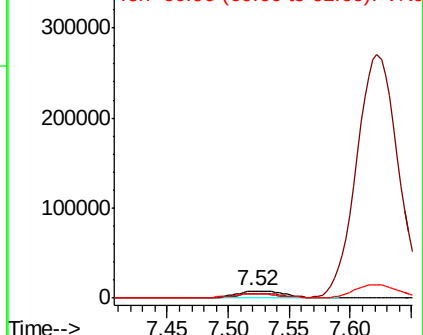
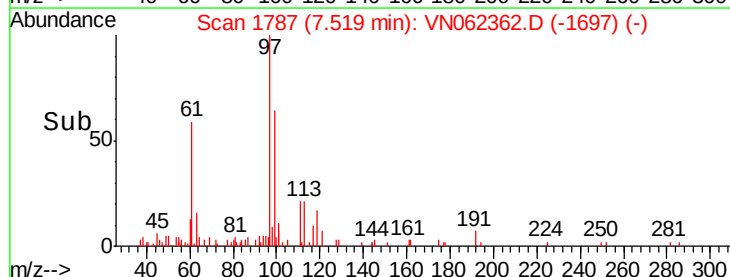
61 56.6 42.5 63.7

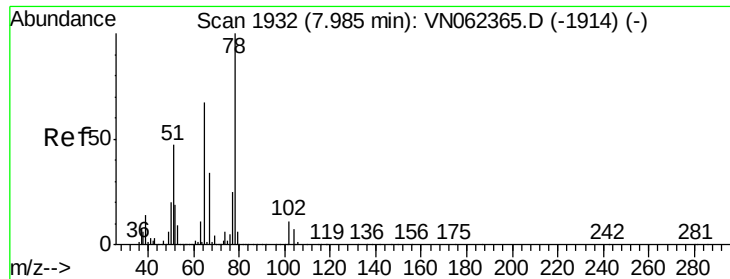


Abundance Ion 96.90 (96.60 to 97.60): VN062362.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062362.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062362.D (-1697) (-)

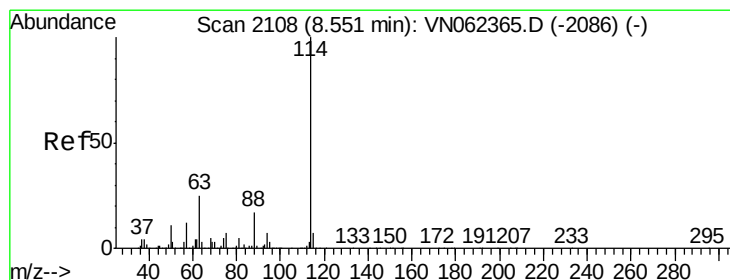
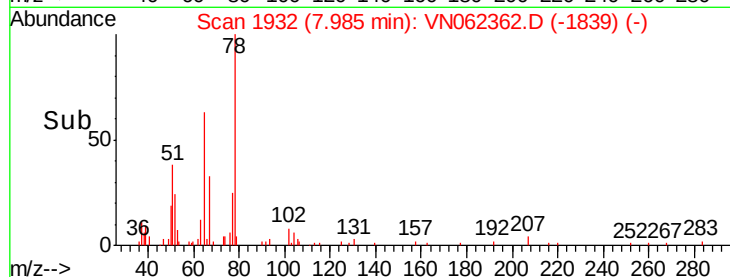
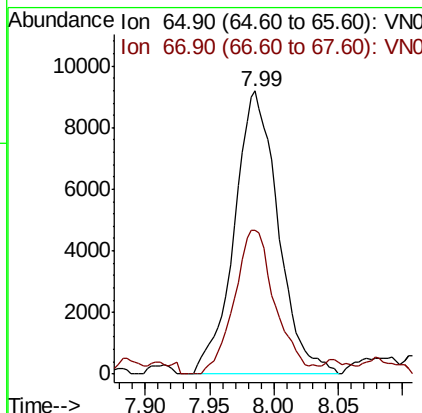
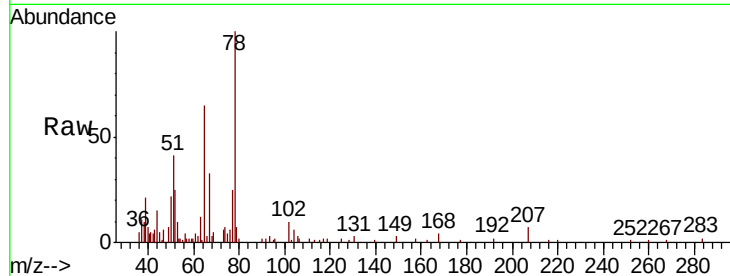




#33
 1,2-Dichloroethane-d4
 Concen: 1.464 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

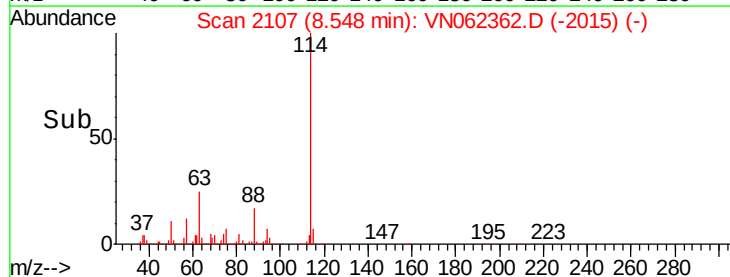
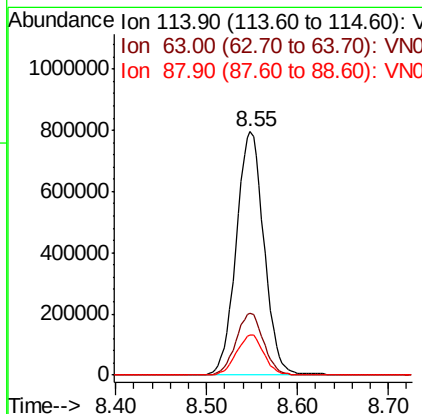
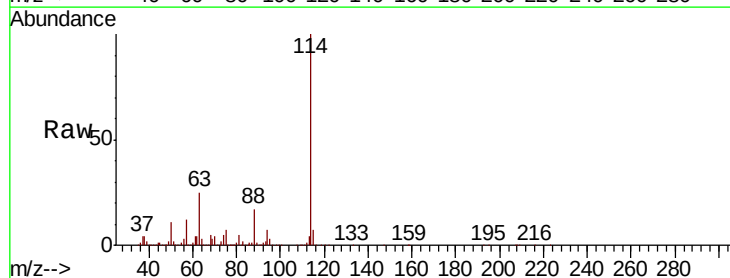
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

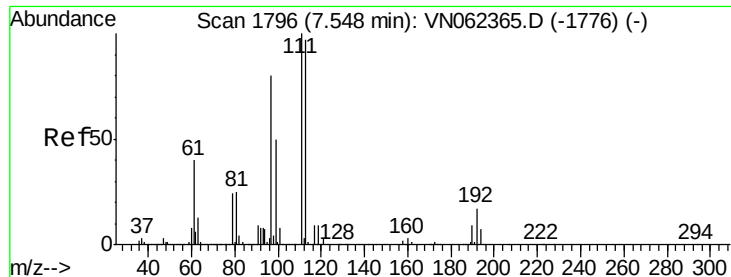
Tot Ion: 65 Resp: 21841
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 114 Resp: 1684233
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.0
 88 16.7 0.0 34.0

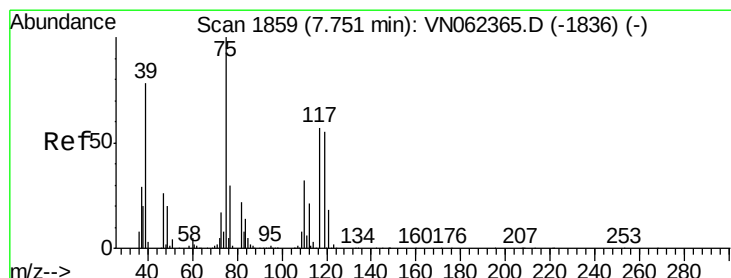
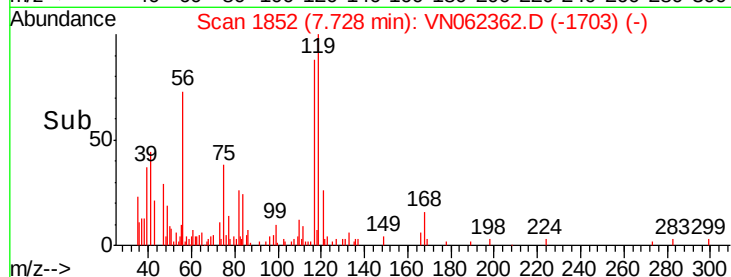
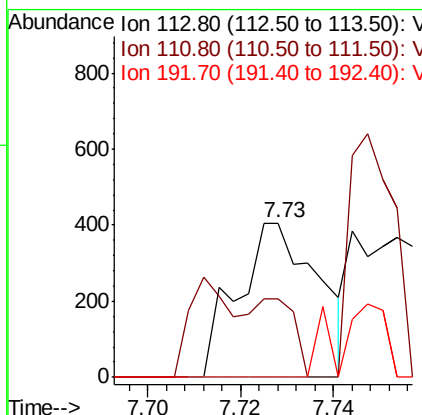
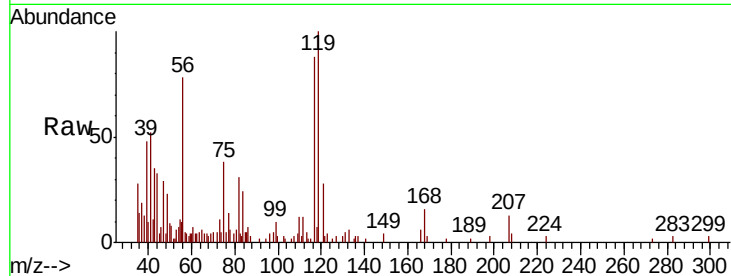




#35
 Dibromofluoromethane
 Concen: 0.044 ug/l
 RT: 7.73 min Scan# 1852
 Delta R.T. 0.18 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

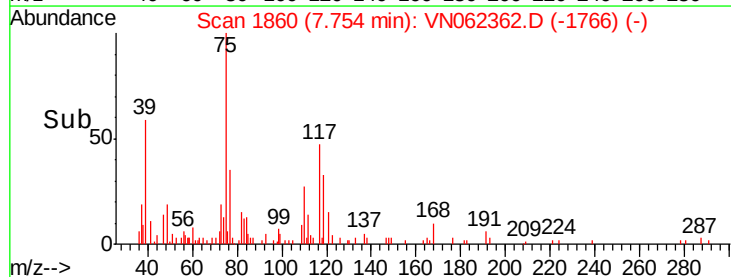
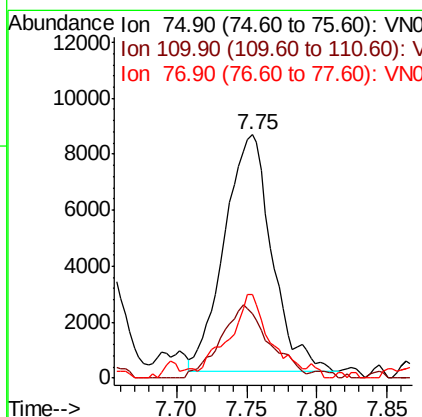
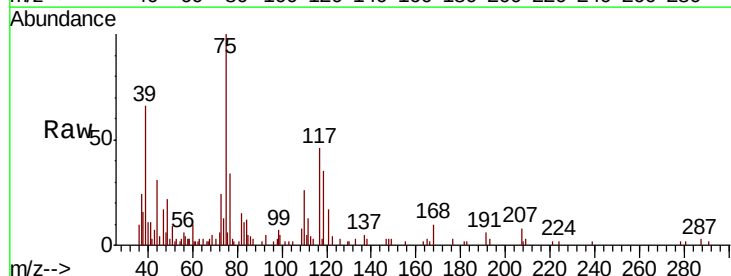
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

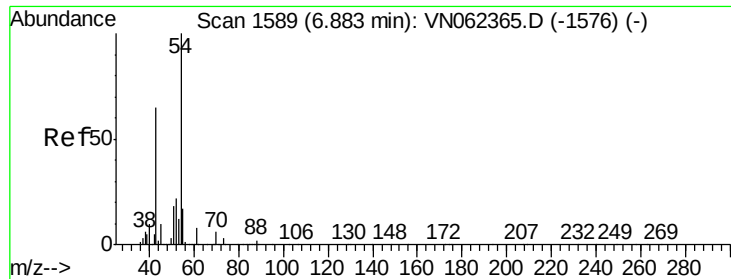
Tot Ion:113 Resp: 488
 Ion Ratio Lower Upper
 113 100
 111 86.5 83.2 124.8
 192 20.7 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 1.162 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 75 Resp: 19948
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.7 47.1
 77 30.8 24.3 36.5

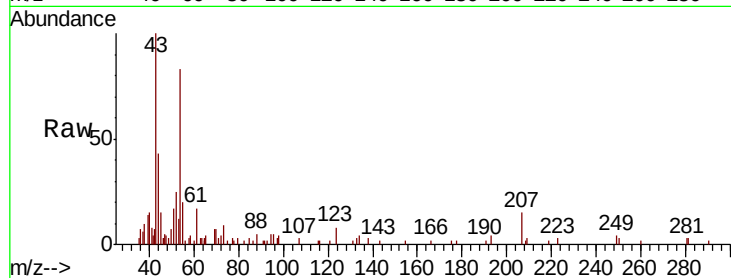




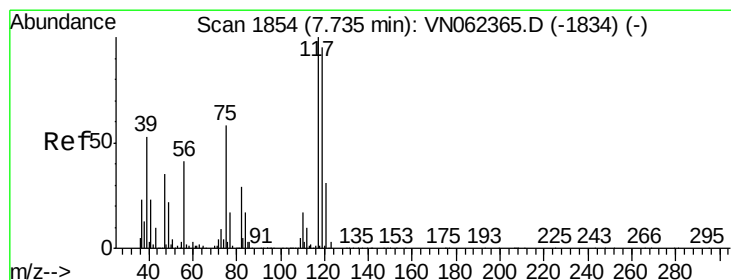
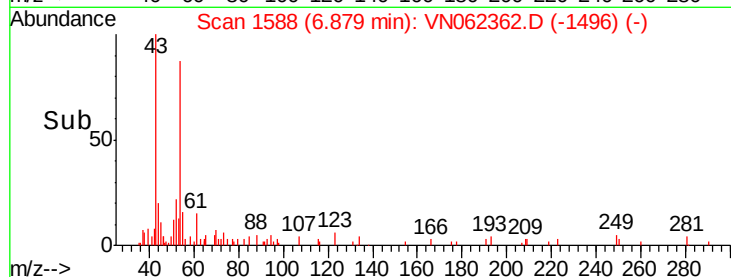
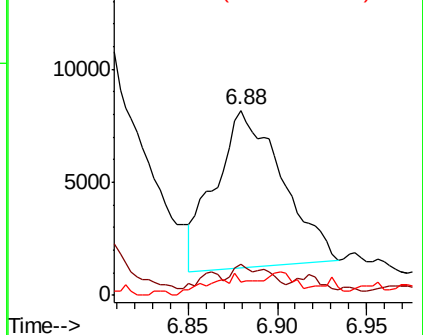
#37
Ethyl Acetate
Concen: 1.173 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	43	Resp:	18126
Ion	Ratio	Lower	Upper
43	100		
61	9.1	8.8	13.2
70	6.8	6.2	9.4

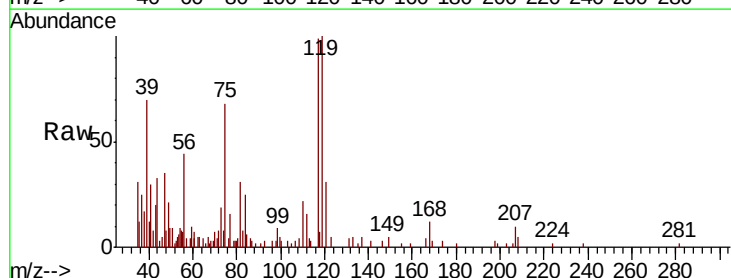


Abundance Ion 43.00 (42.70 to 43.70): VN062365.D
Ion 60.90 (60.60 to 61.60): VN062365.D
Ion 70.00 (69.70 to 70.70): VN062365.D

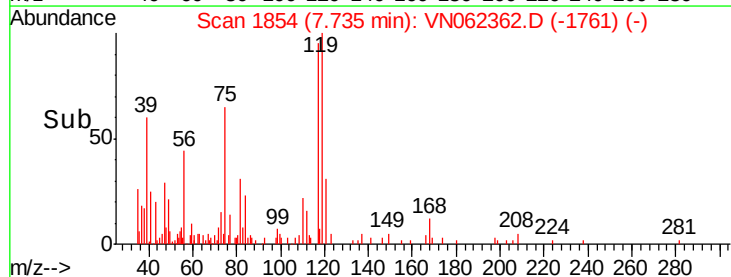
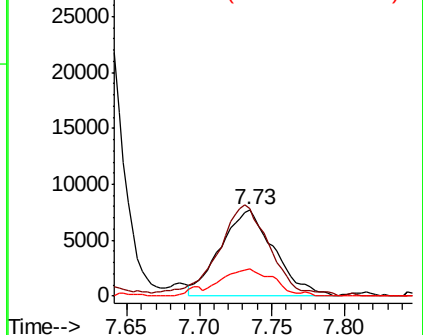


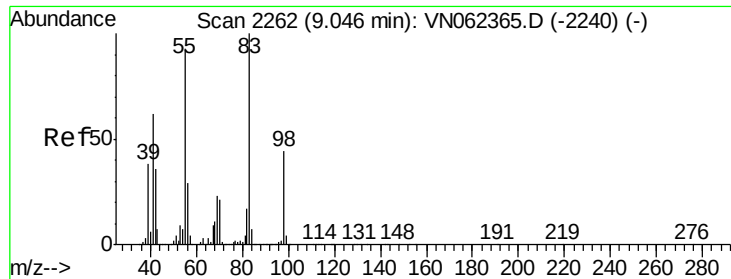
#38
Carbon Tetrachloride
Concen: 1.211 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:	117	Resp:	19821
Ion	Ratio	Lower	Upper
117	100		
119	101.2	75.9	113.9
121	30.9	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN062365.D
Ion 118.80 (118.50 to 119.50): VN062365.D
Ion 120.80 (120.50 to 121.50): VN062365.D

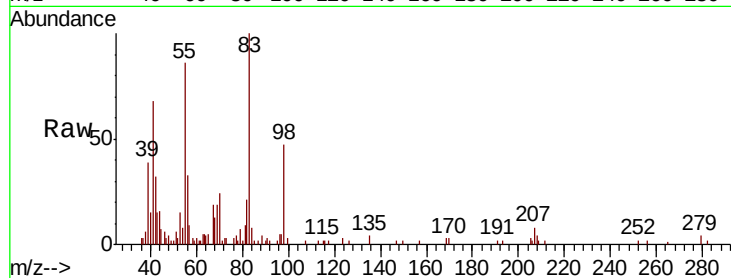




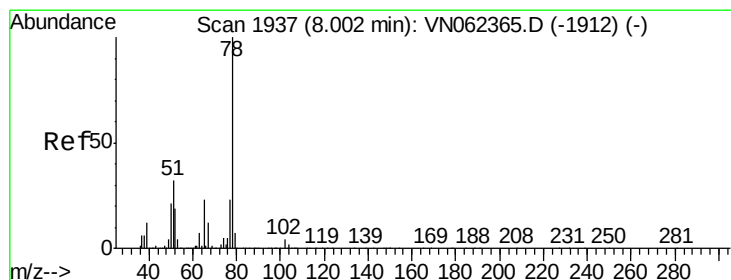
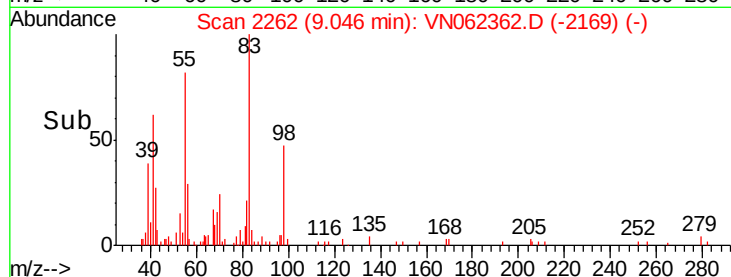
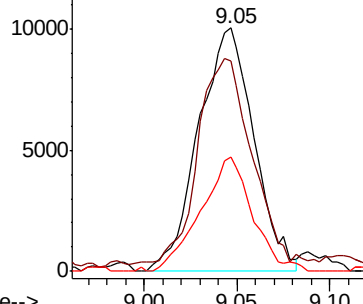
#39
Methylvlcyclohexane
Concen: 1.114 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	20836
Ion Ratio	Lower	Upper	
83	100		
55	79.7	74.1	111.1
98	46.7	35.6	53.4

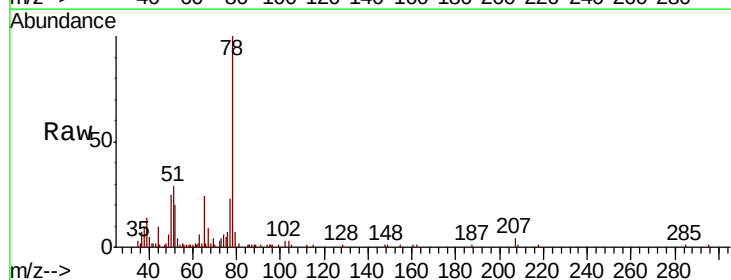


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

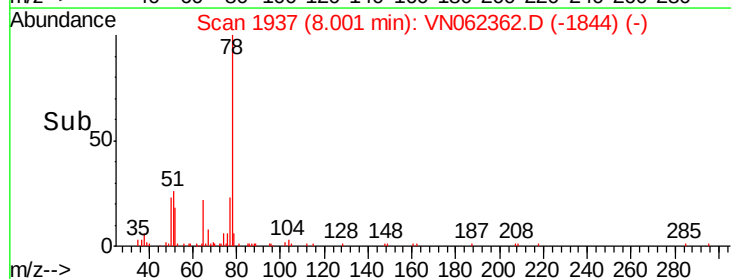
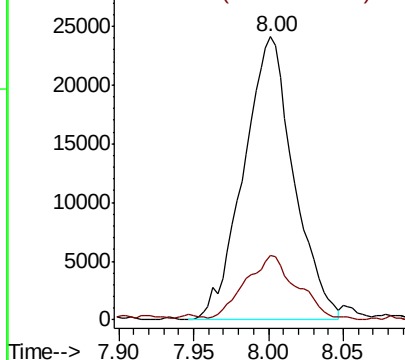


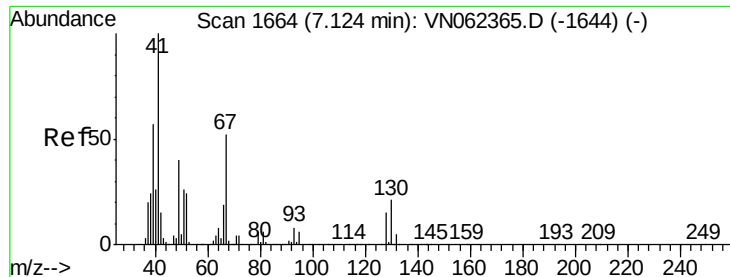
#40
Benzene
Concen: 1.084 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion	78	Resp	56188
Ion Ratio	Lower	Upper	
78	100		
77	21.6	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

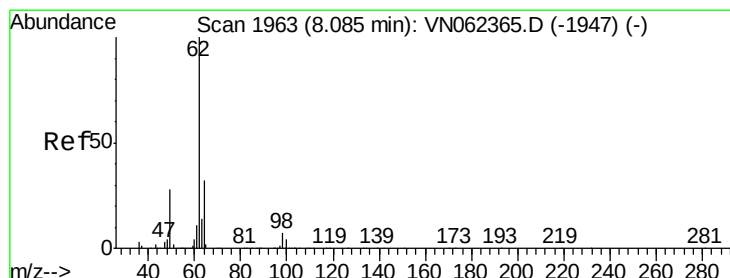
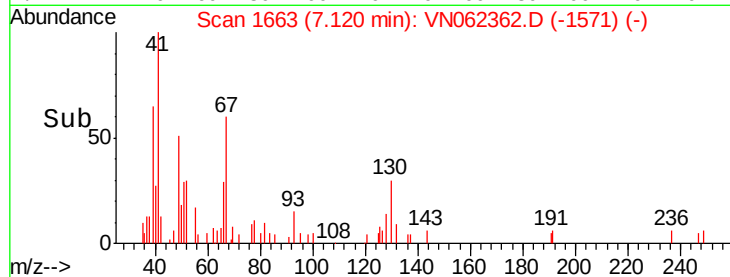
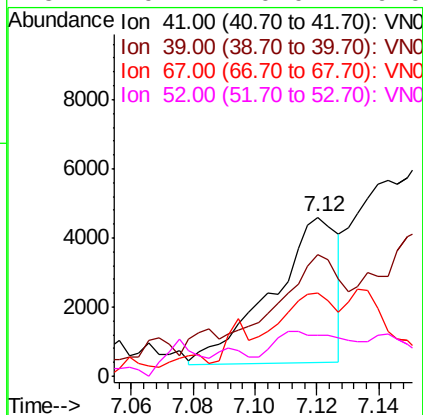
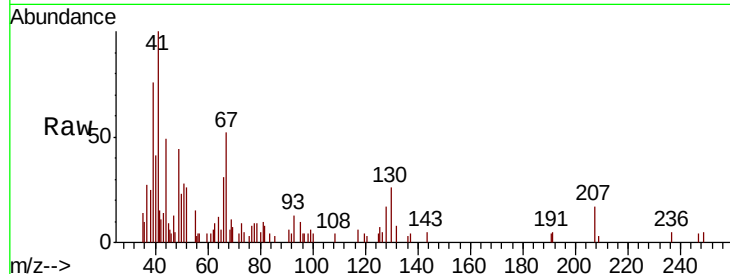




#41
Methacrylonitrile
Concen: 0.884 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

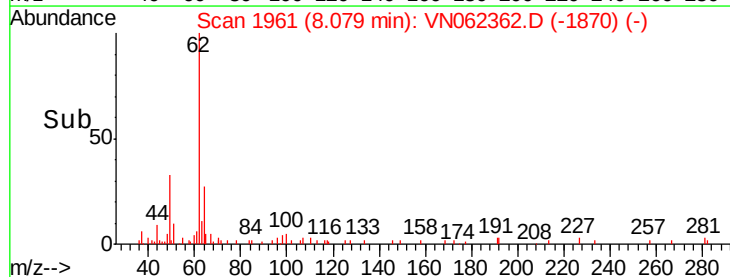
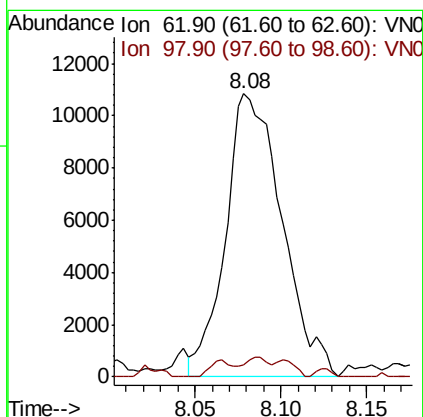
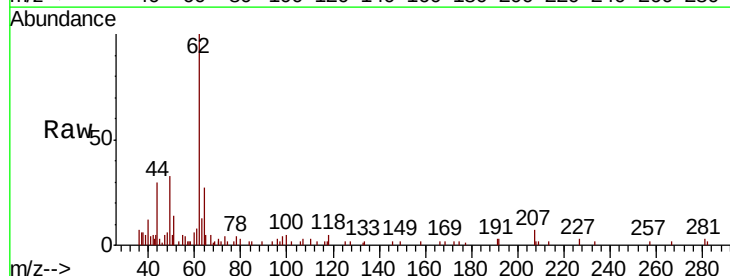
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

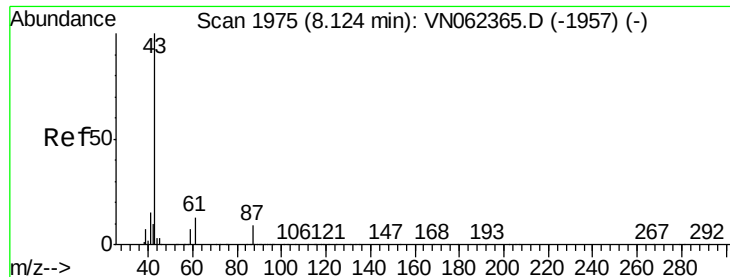
Tot Ion:	41	Resp:	6196
Ion	Ratio	Lower	Upper
41	100		
39	55.5	0.0	0.0#
67	20.3	0.0	0.0#
52	19.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 1.359 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:	62	Resp:	24847
Ion	Ratio	Lower	Upper
62	100		
98	0.9	0.0	13.4





#43

Isopropyl Acetate

Concen: 1.320 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

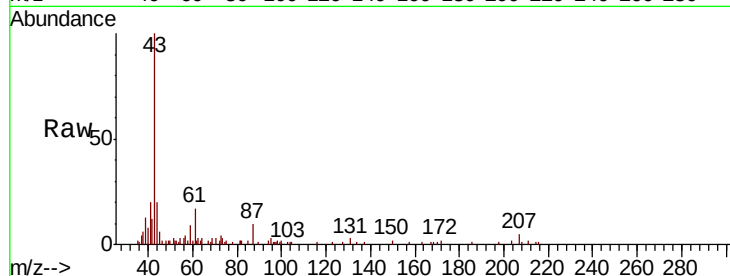
Tot Ion: 43 Resp: 33337

Ion Ratio Lower Upper

43 100

61 15.6 13.1 19.7

87 11.4 7.5 11.3#

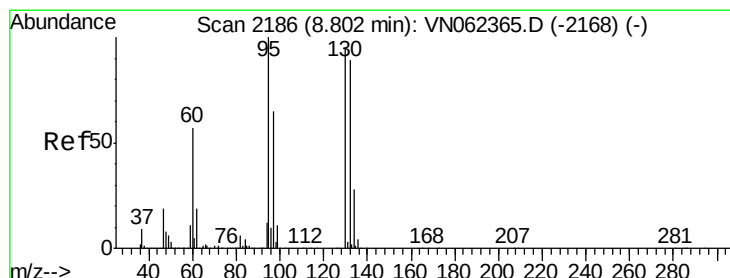
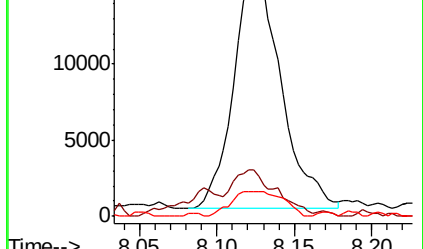
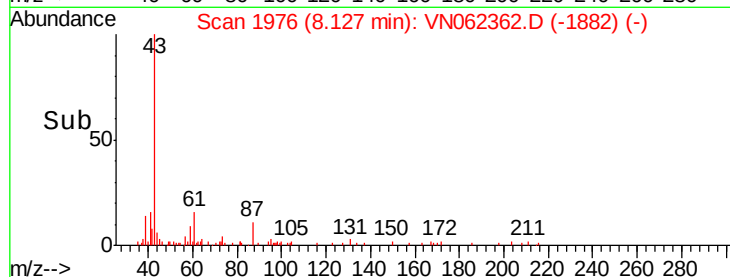


Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062365.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062365.D (-1957) (-)

Time-->



#44

Trichloroethene

Concen: 1.086 ug/l

RT: 8.79 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VN062362.D

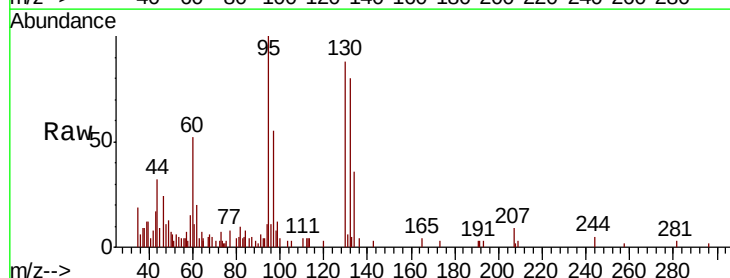
Acq: 6 Jul 2020 12:24

Tgt Ion:130 Resp: 14056

Ion Ratio Lower Upper

130 100

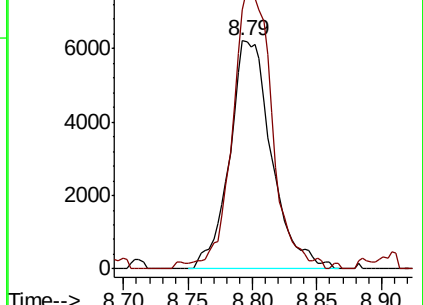
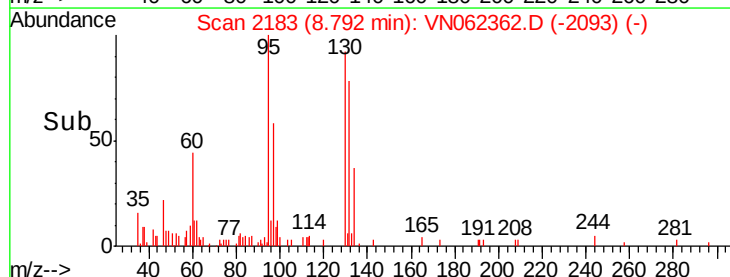
95 111.0 0.0 209.8

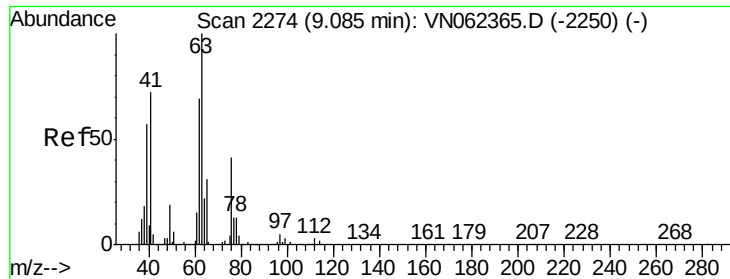


Abundance Ion 129.80 (129.50 to 130.50): VN062365.D (-2168) (-)

Ion 94.90 (94.60 to 95.60): VN062365.D (-2168) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 1.228 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

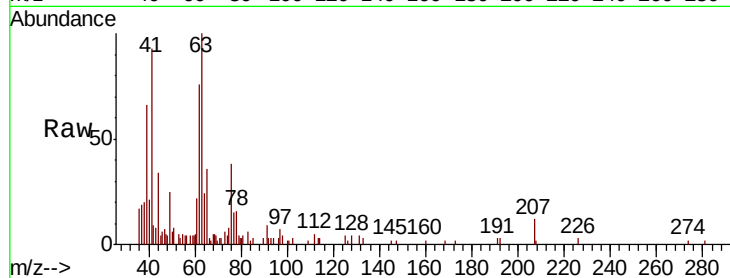
VSTDIC001

Tot Ion: 63 Resp: 16143

Ion Ratio Lower Upper

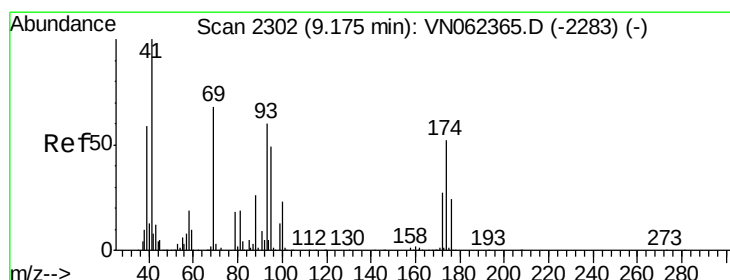
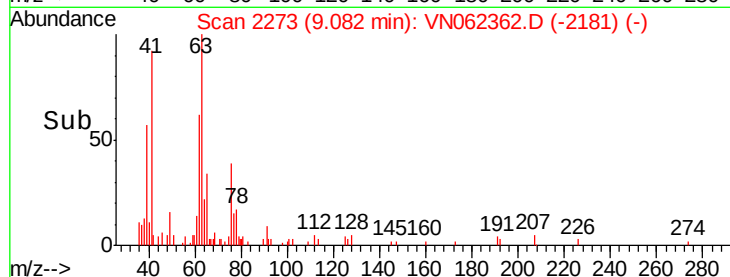
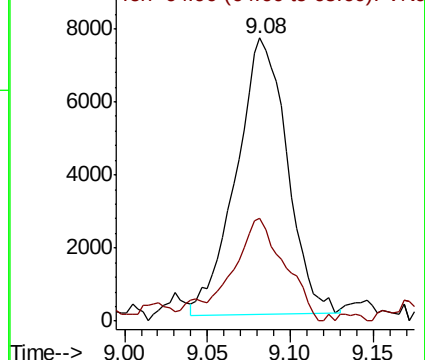
63 100

65 35.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 1.175 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

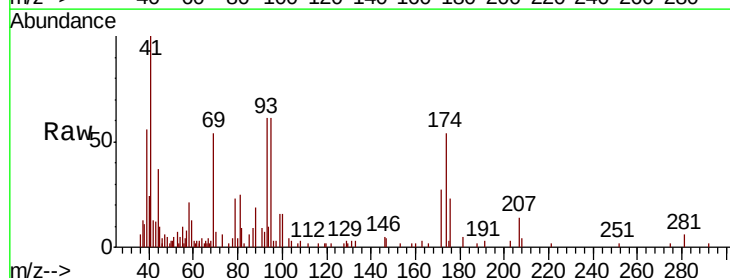
Tgt Ion: 93 Resp: 10278

Ion Ratio Lower Upper

93 100

95 99.5 64.8 97.2#

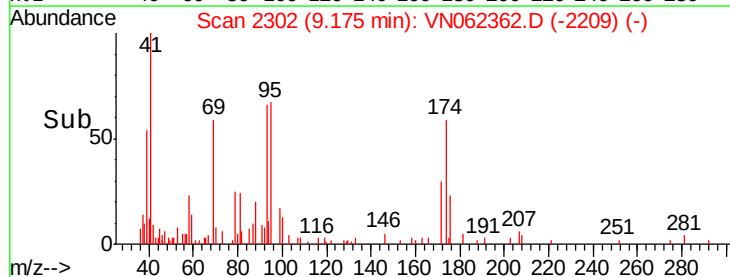
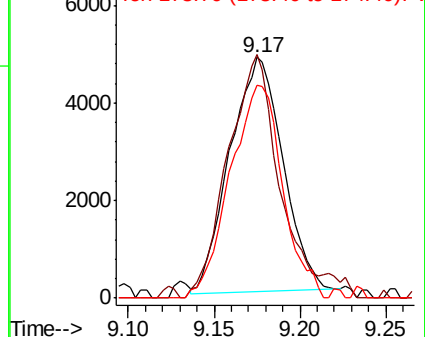
174 89.6 67.6 101.4

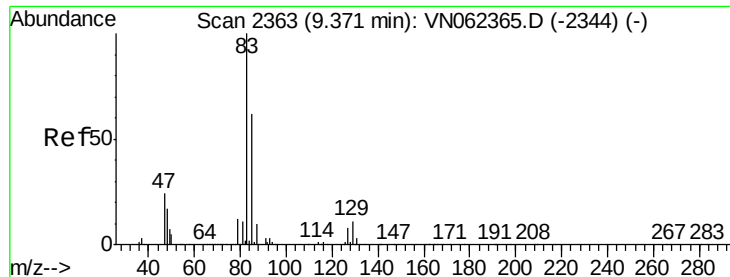


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.170 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

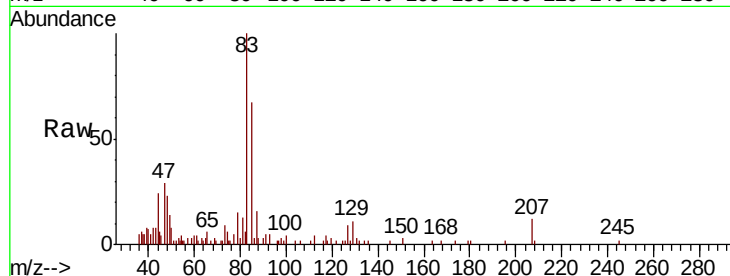
Tot Ion: 83 Resp: 20841

Ion Ratio Lower Upper

83 100

85 64.4 49.8 74.6

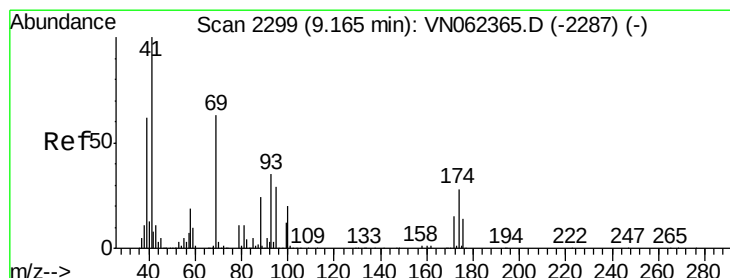
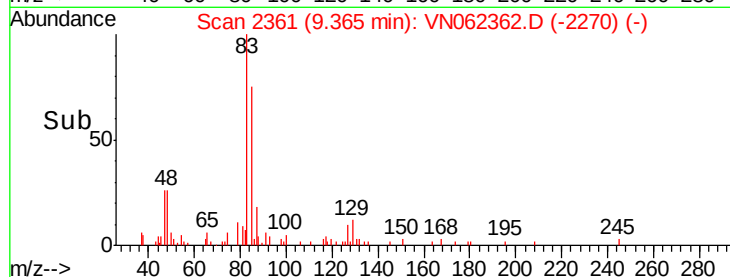
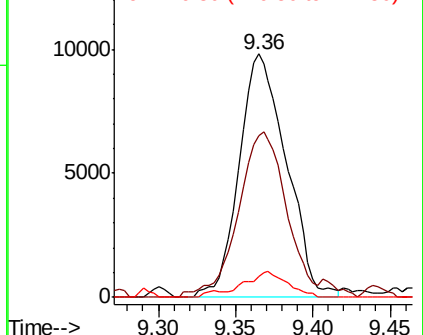
127 8.6 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 1.452 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

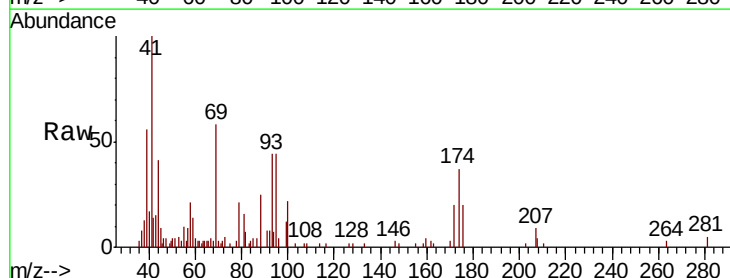
Tgt Ion: 41 Resp: 16843

Ion Ratio Lower Upper

41 100

69 58.8 51.5 77.3

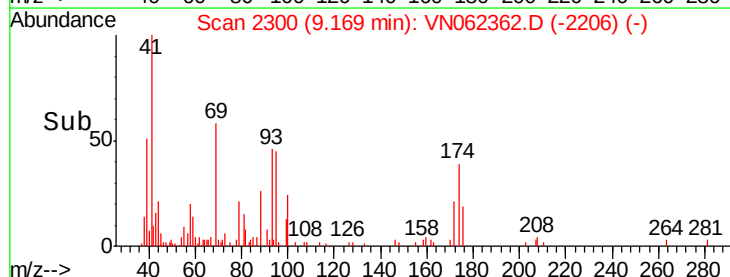
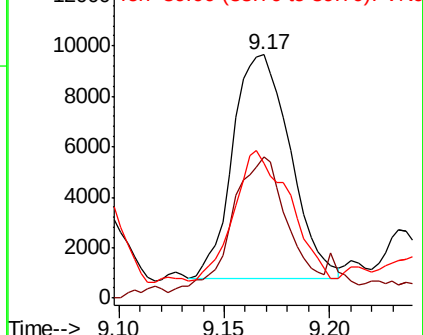
39 57.5 51.2 76.8

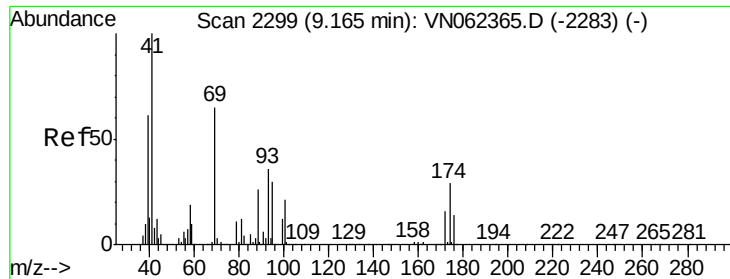


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

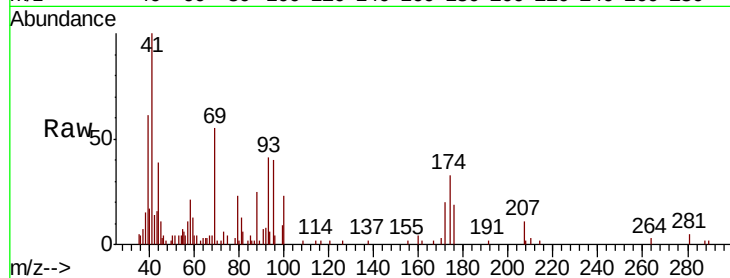




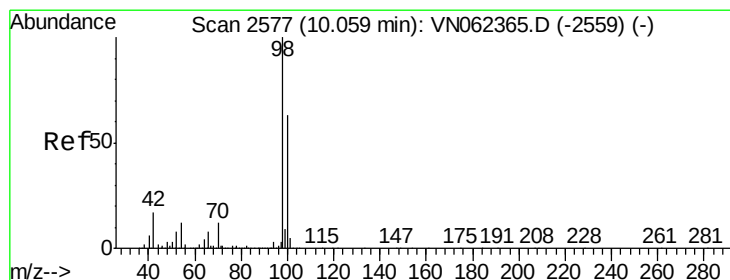
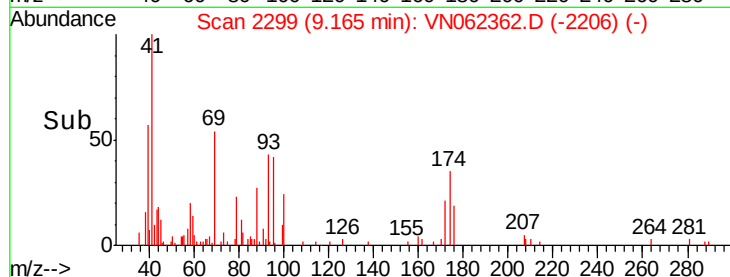
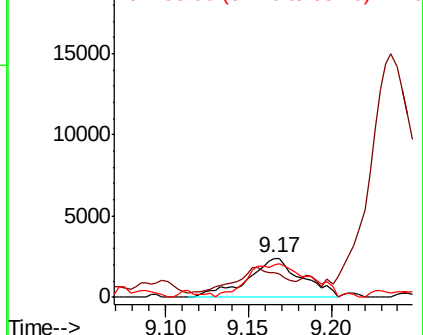
#49
1,4-Dioxane
Concen: 23.917 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 88 Resp: 5464
Ion Ratio Lower Upper
88 100
43 57.1 34.0 51.0#
58 97.0 63.0 94.4#

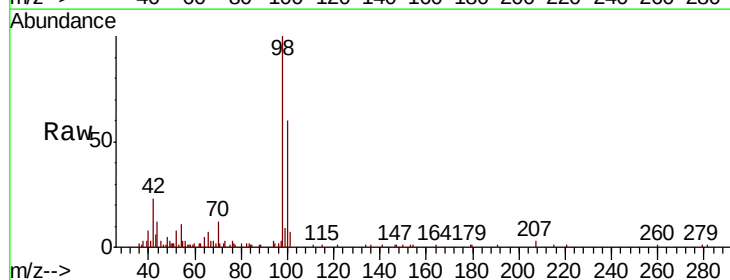


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

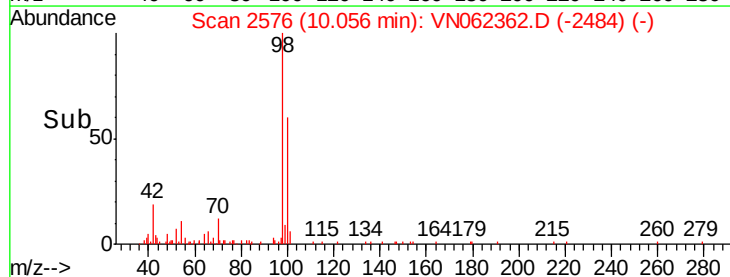
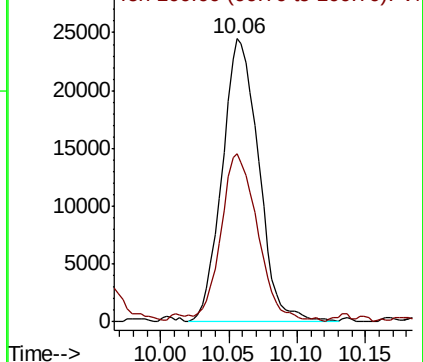


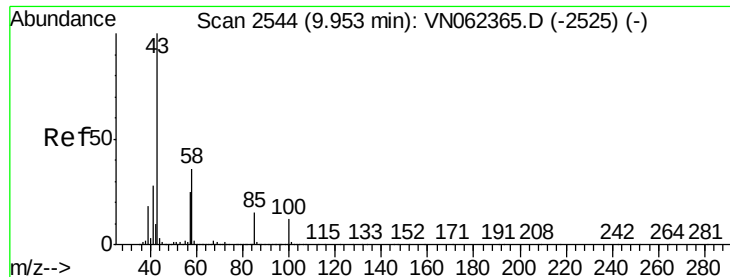
#50
Toluene-d8
Concen: 1.030 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion: 98 Resp: 45616
Ion Ratio Lower Upper
98 100
100 60.2 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

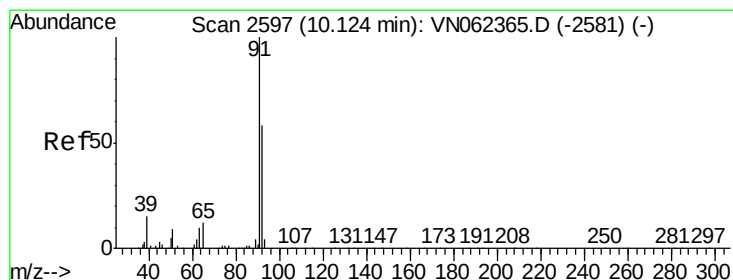
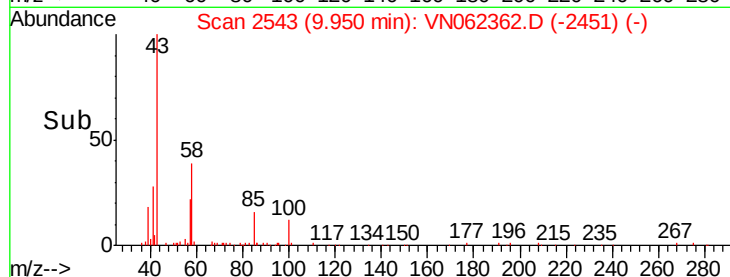
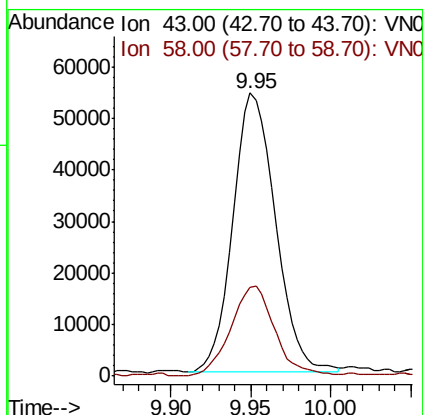
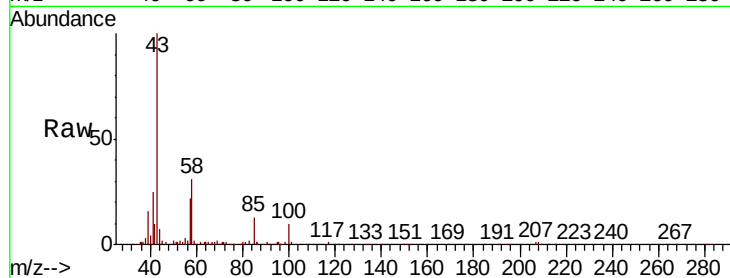




#51
 4-Methyl-2-Pentanone
 Concen: 6.736 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

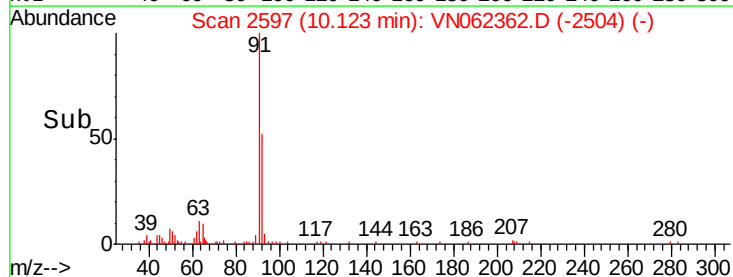
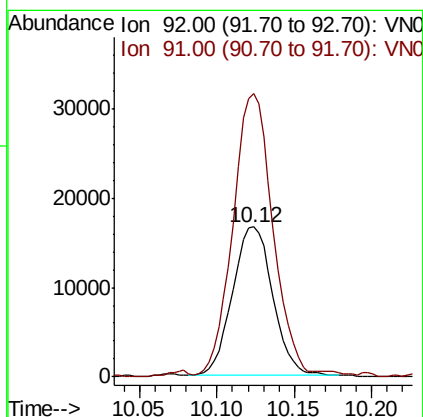
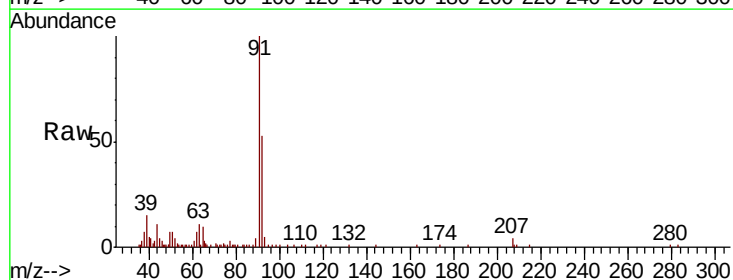
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

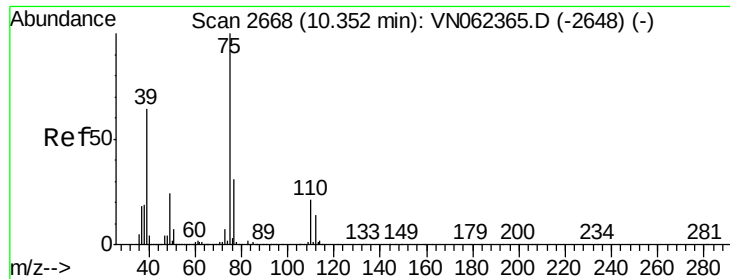
Tot Ion: 43 Resp: 98490
 Ion Ratio Lower Upper
 43 100
 58 33.4 27.6 41.4



#52
 Toluene
 Concen: 0.957 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 92 Resp: 30021
 Ion Ratio Lower Upper
 92 100
 91 187.4 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 0.993 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

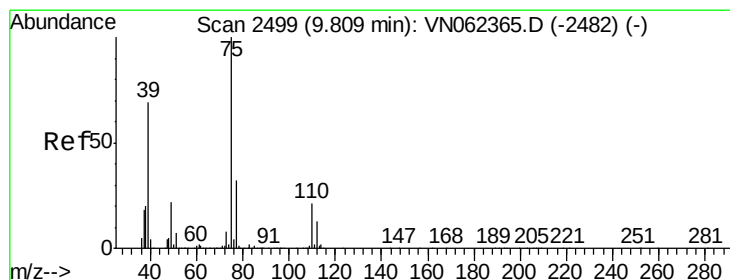
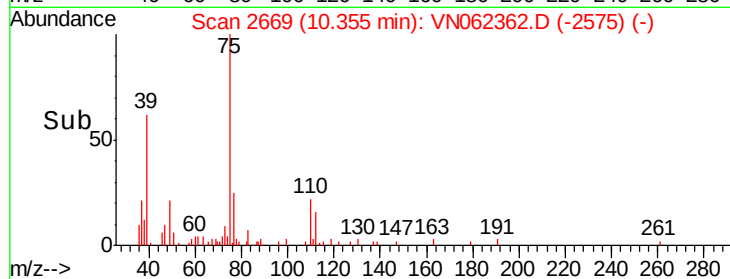
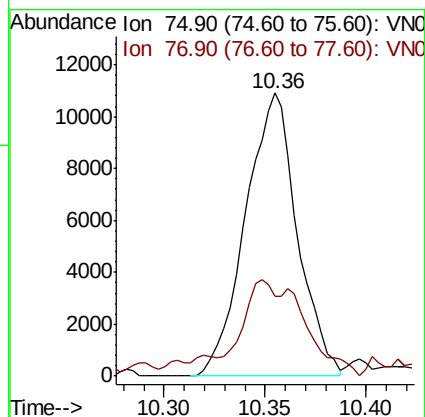
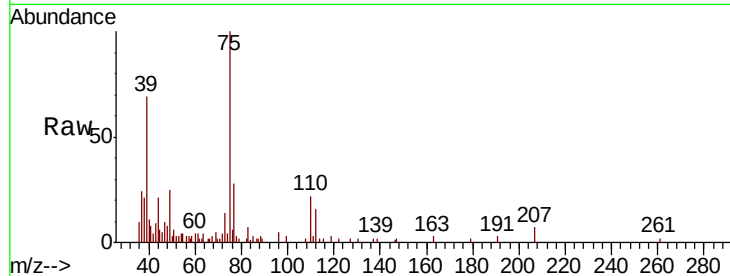
VSTDIC001

Tot Ion: 75 Resp: 19512

Ion Ratio Lower Upper

75 100

77 23.4 24.9 37.3#



#54

cis-1,3-Dichloropropene

Concen: 1.068 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

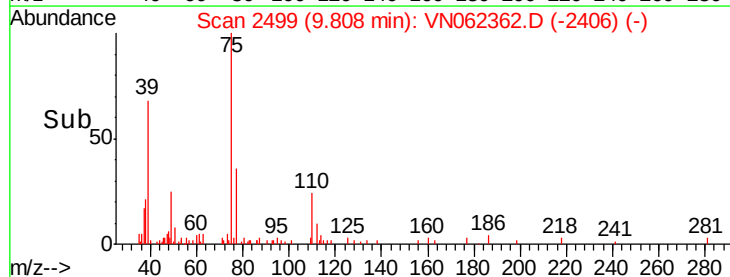
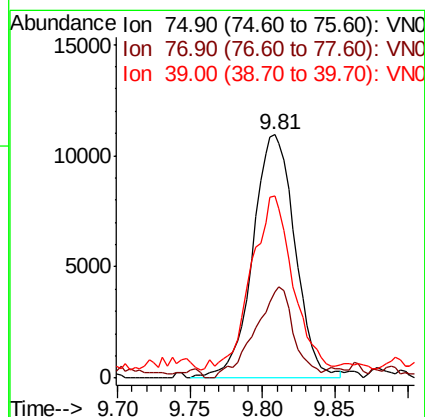
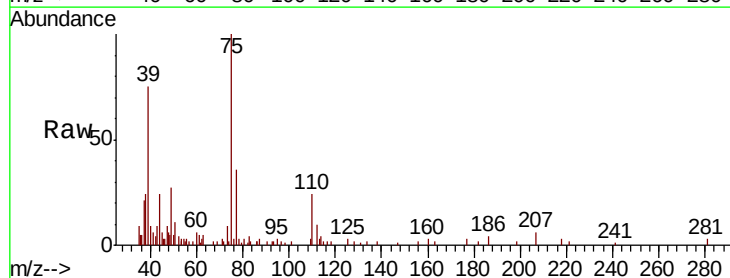
Tgt Ion: 75 Resp: 22193

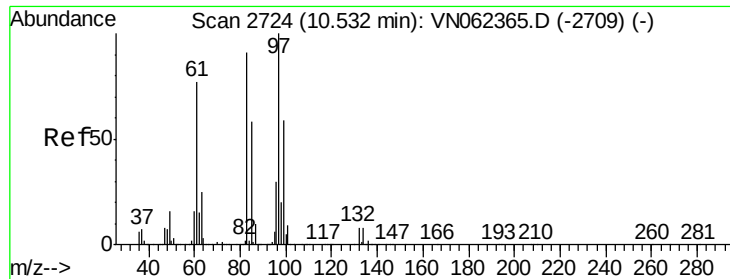
Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0

39 69.4 55.3 82.9

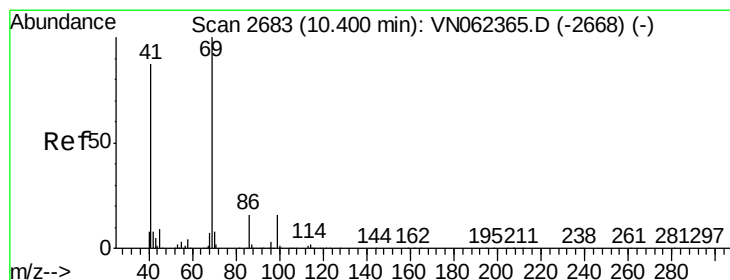
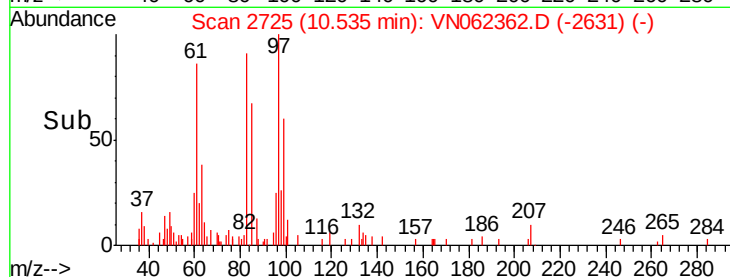
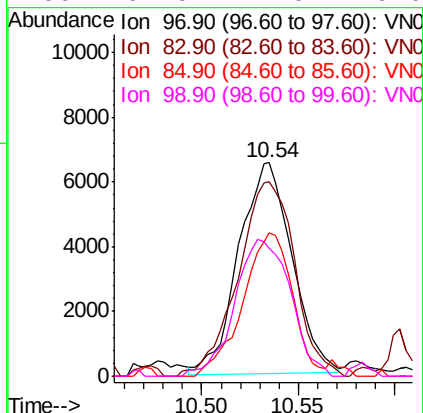
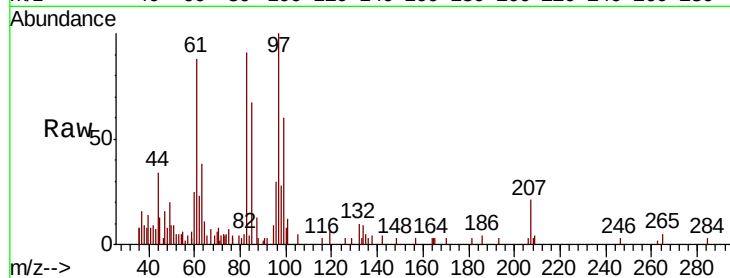




#55
 1,1,2-Trichloroethane
 Concen: 1.009 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

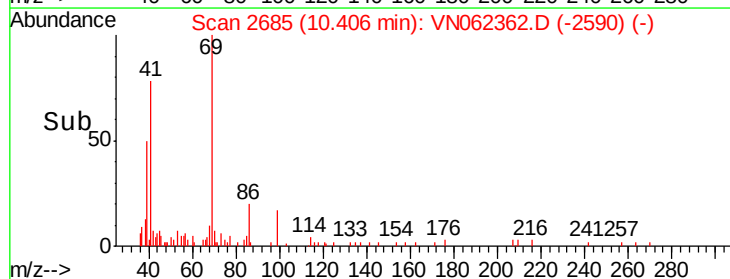
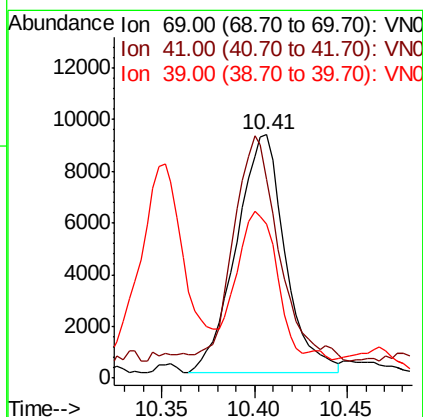
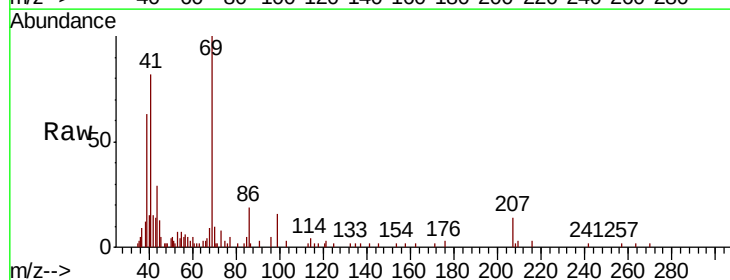
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

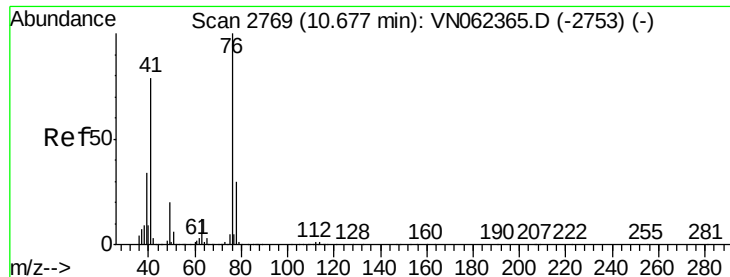
Tot Ion: 97 Resp: 12446
 Ion Ratio Lower Upper
 97 100
 83 91.8 72.4 108.6
 85 69.8 46.3 69.5#
 99 62.0 47.0 70.6



#56
 Ethyl methacrylate
 Concen: 0.992 ug/l
 RT: 10.41 min Scan# 2685
 Delta R.T. 0.01 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 69 Resp: 16946
 Ion Ratio Lower Upper
 69 100
 41 86.7 69.4 104.0
 39 47.2 42.4 63.6





#57

1,3-Dichloropropane

Concen: 1.091 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

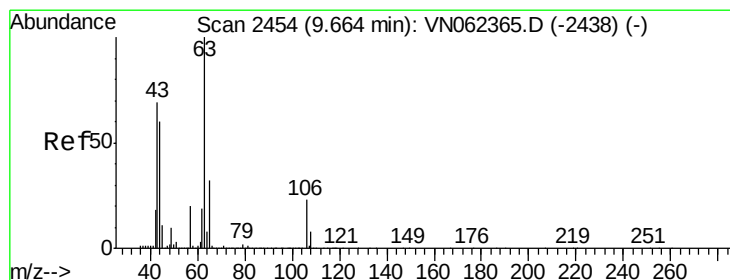
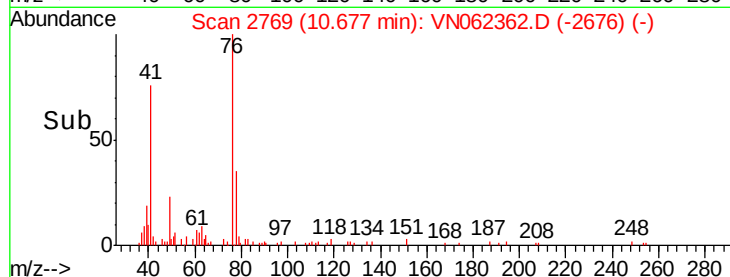
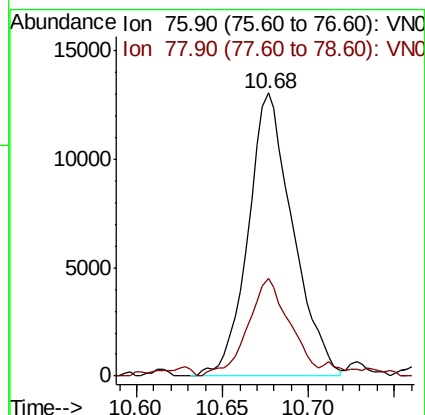
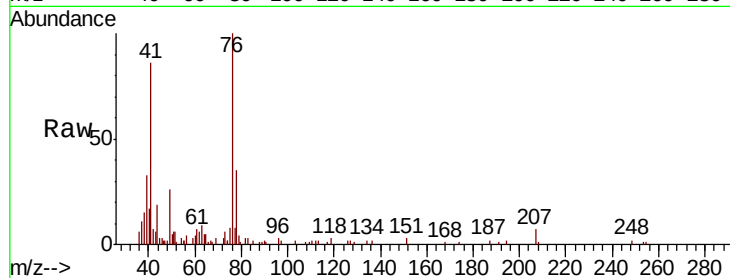
VSTDIC001

Tot Ion: 76 Resp: 23559

Ion Ratio Lower Upper

76 100

78 32.2 25.0 37.4



#58

2-Chloroethyl Vinyl ether

Concen: 4.941 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062362.D

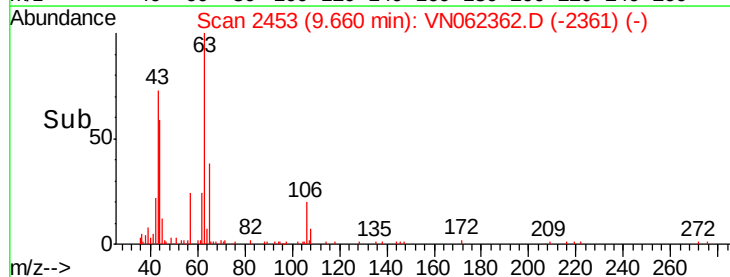
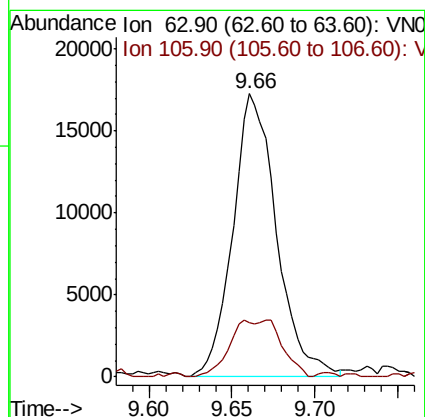
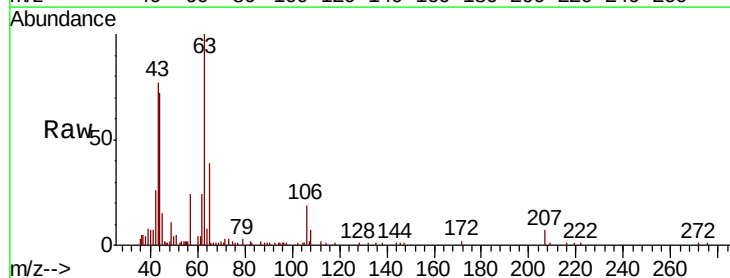
Acq: 6 Jul 2020 12:24

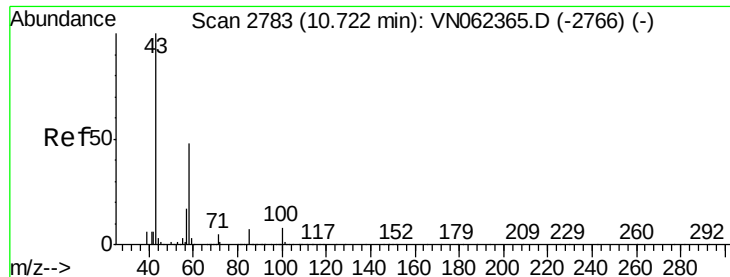
Tgt Ion: 63 Resp: 31705

Ion Ratio Lower Upper

63 100

106 12.1 18.0 27.0#





#59

2-Hexanone

Concen: 6.312 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

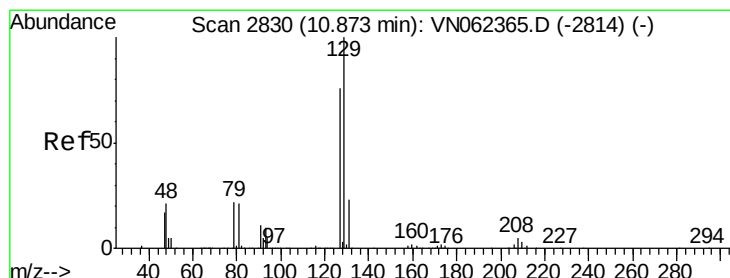
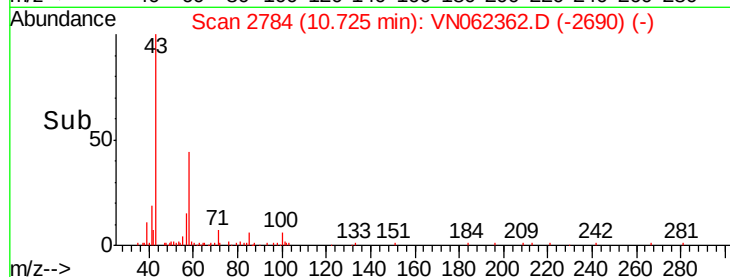
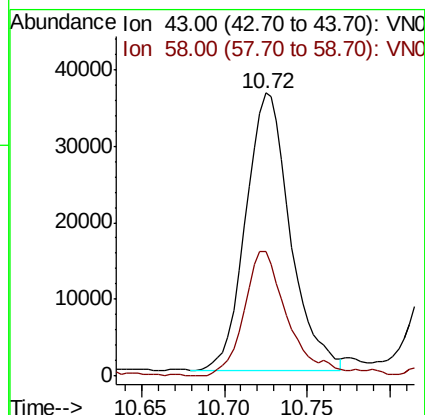
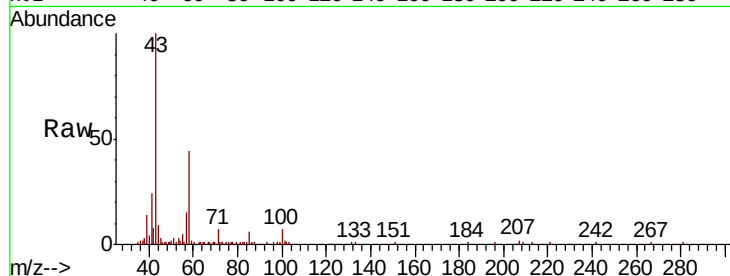
VSTDIC001

Tot Ion: 43 Resp: 67358

Ion Ratio Lower Upper

43 100

58 44.1 23.5 70.6



#60

Dibromochloromethane

Concen: 1.060 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062362.D

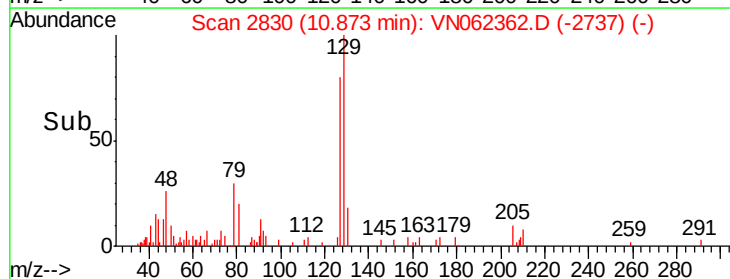
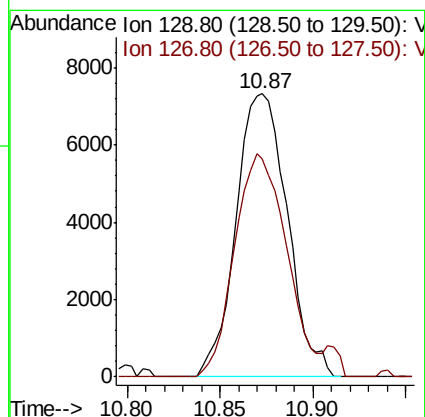
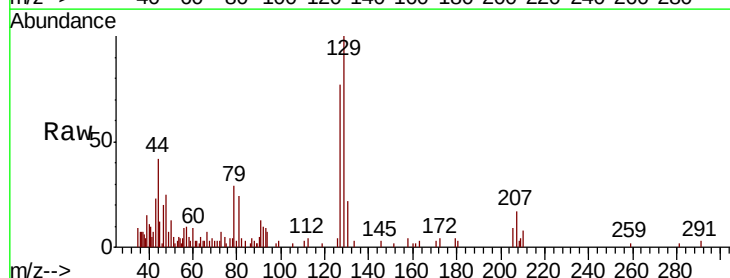
Acq: 6 Jul 2020 12:24

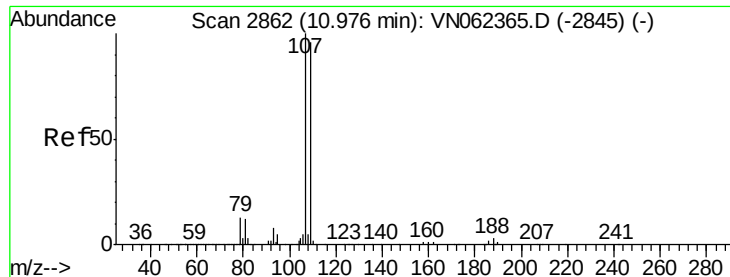
Tgt Ion: 129 Resp: 14057

Ion Ratio Lower Upper

129 100

127 80.0 38.8 116.3

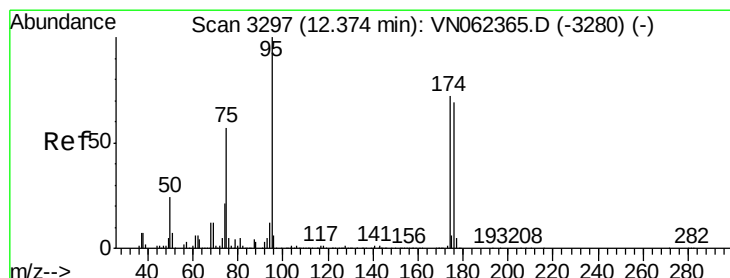
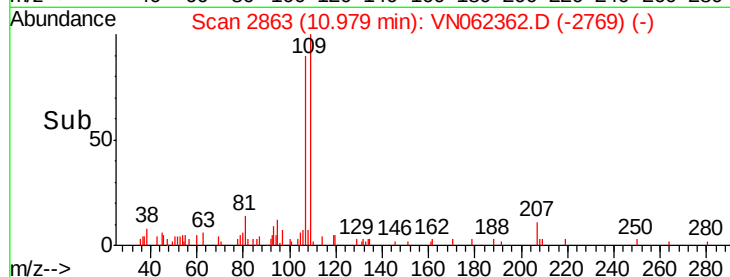
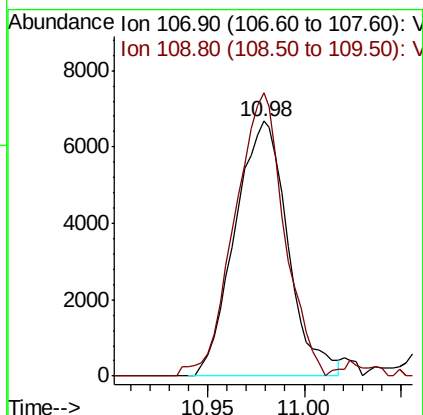
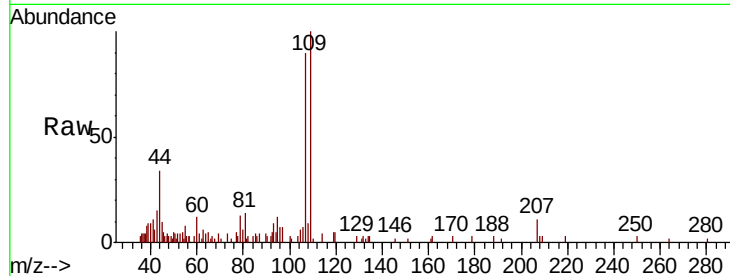




#61
 1,2-Dibromoethane
 Concen: 1.003 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

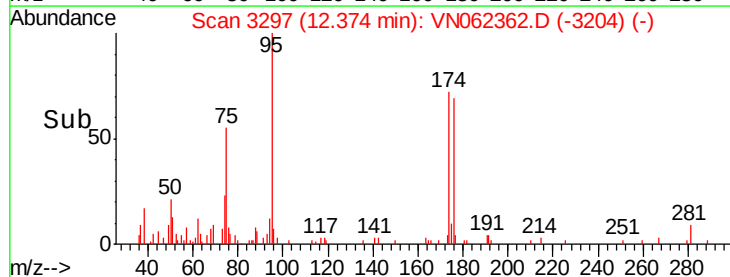
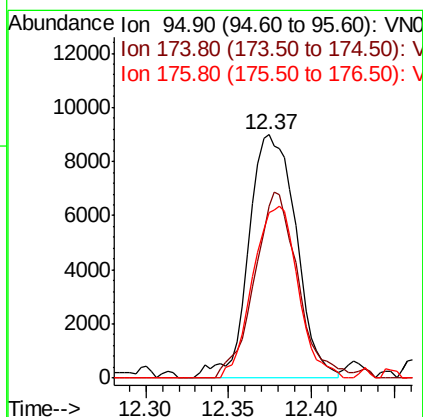
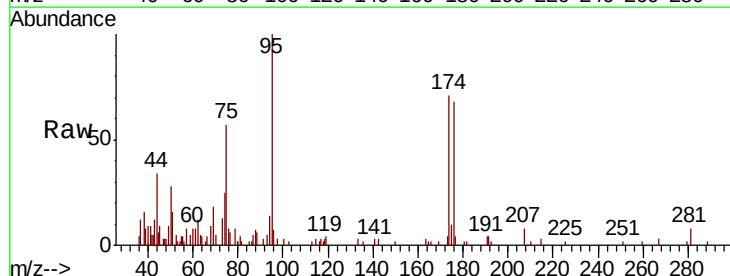
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

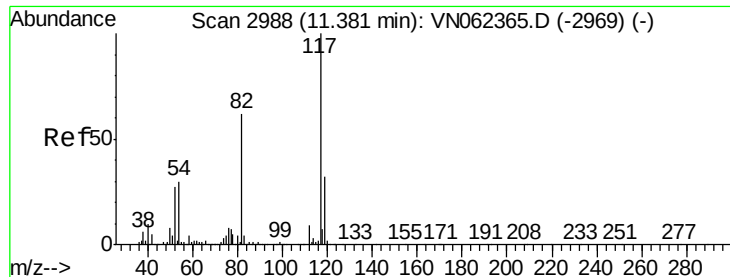
Tot Ion:107 Resp: 12730
 Ion Ratio Lower Upper
 107 100
 109 104.5 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 1.166 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 95 Resp: 17842
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 145.8
 176 67.0 0.0 140.2

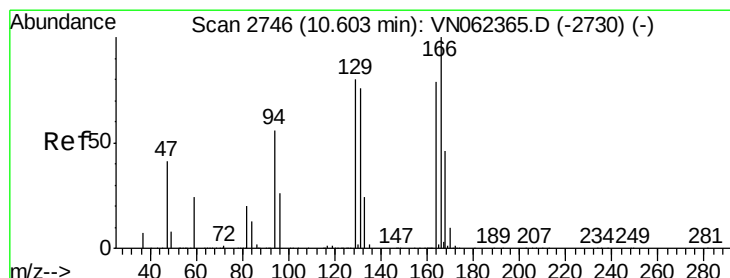
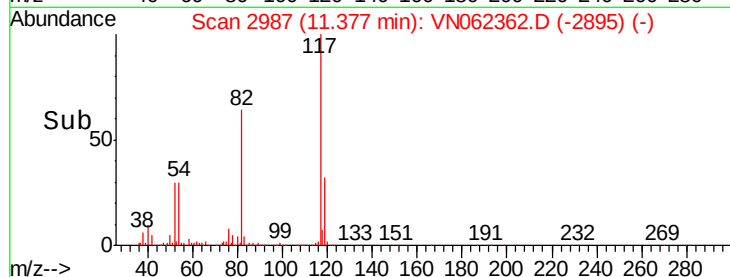
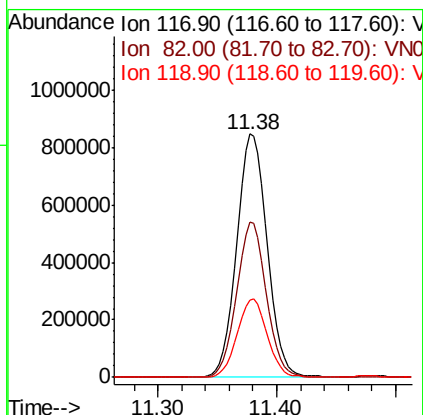
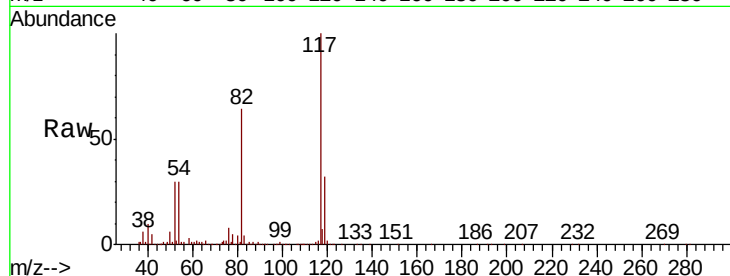




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

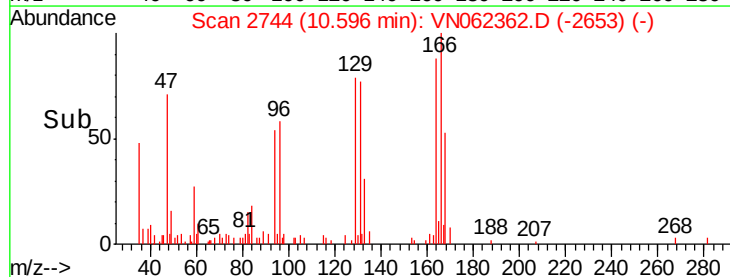
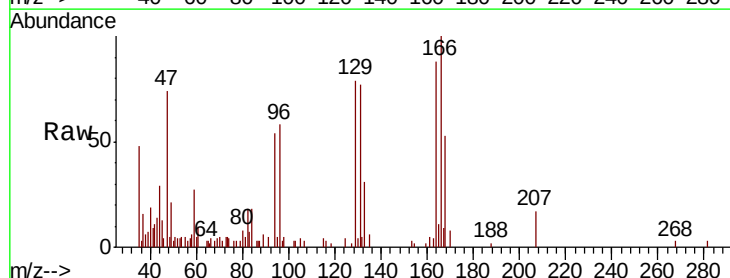
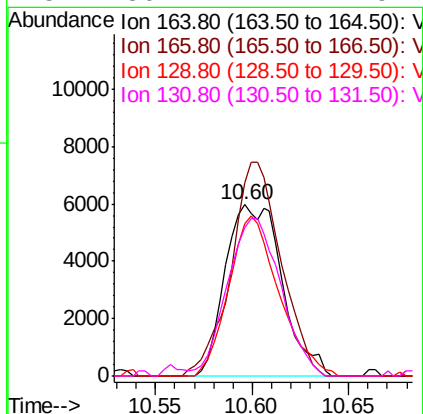
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

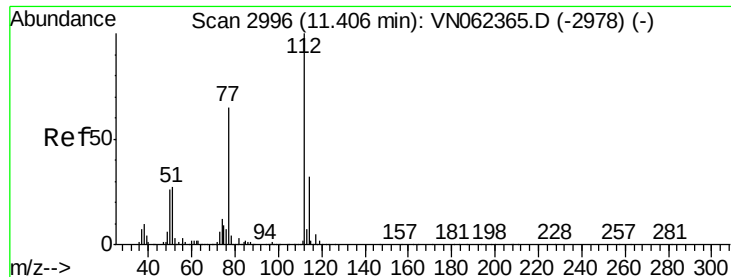
Tot Ion:117 Resp: 1501482
Ion Ratio Lower Upper
117 100
82 63.6 49.4 74.2
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 1.194 ug/l
RT: 10.60 min Scan# 2744
Delta R.T. -0.01 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:164 Resp: 12162
Ion Ratio Lower Upper
164 100
166 113.1 101.6 152.4
129 89.1 81.4 122.2
131 86.7 77.1 115.7





#65

Chlorobenzene

Concen: 1.013 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

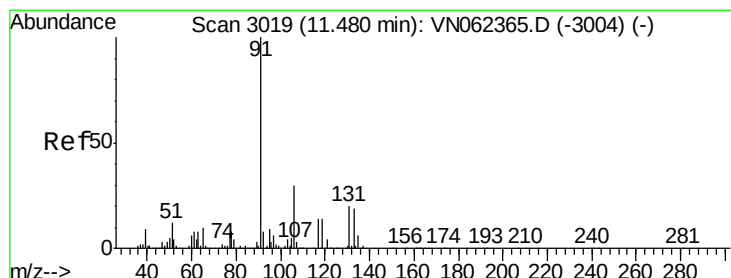
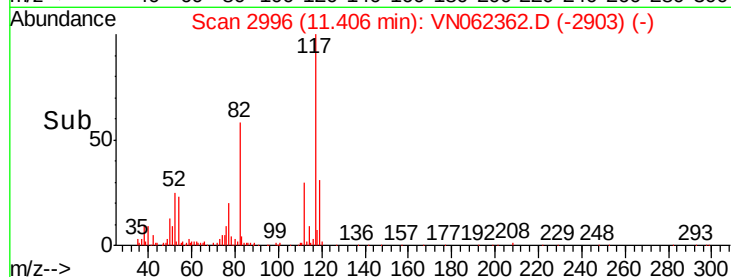
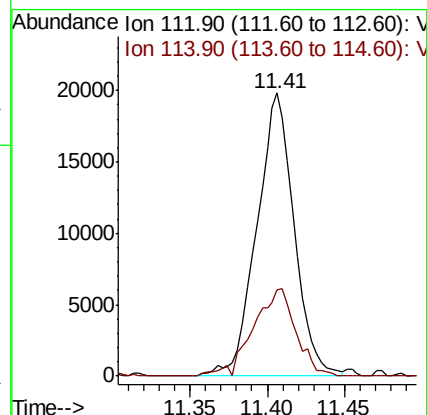
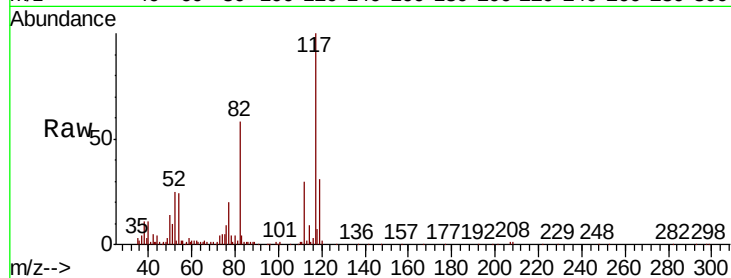
VSTDIC001

Tot Ion:112 Resp: 33291

Ion Ratio Lower Upper

112 100

114 30.4 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 1.054 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

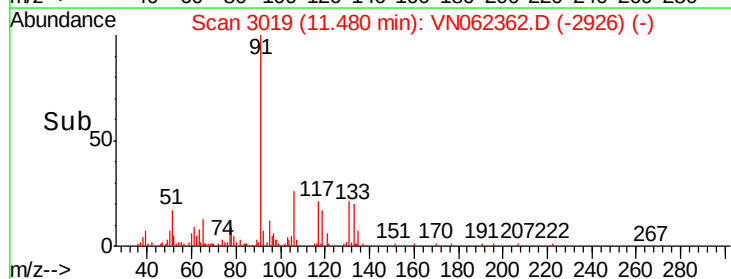
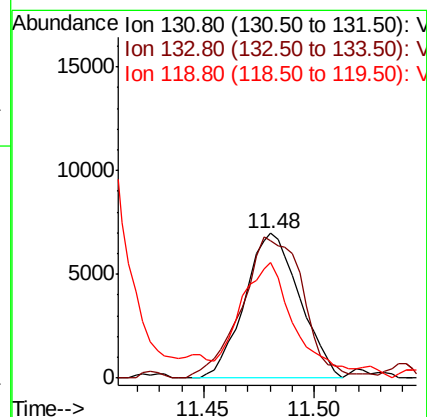
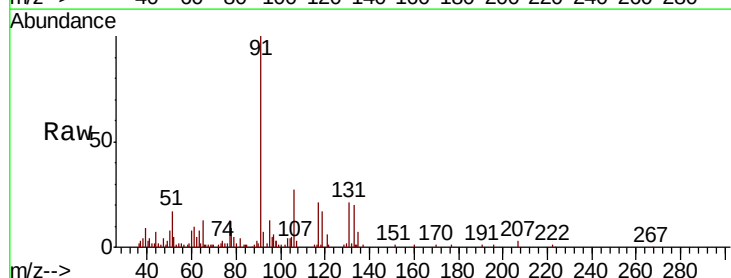
Tgt Ion:131 Resp: 12088

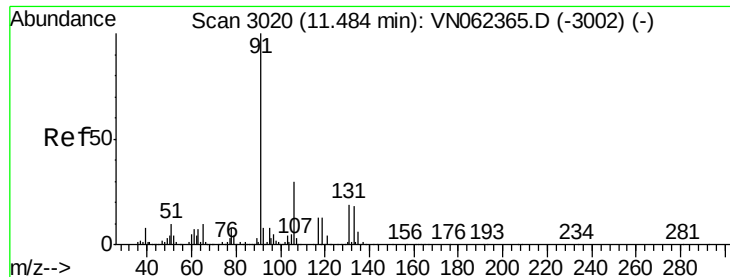
Ion Ratio Lower Upper

131 100

133 109.1 47.3 141.9

119 0.0 33.3 99.9#





#67

Ethyl Benzene

Concen: 1.078 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

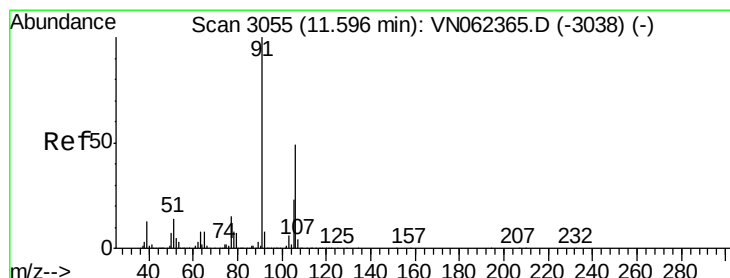
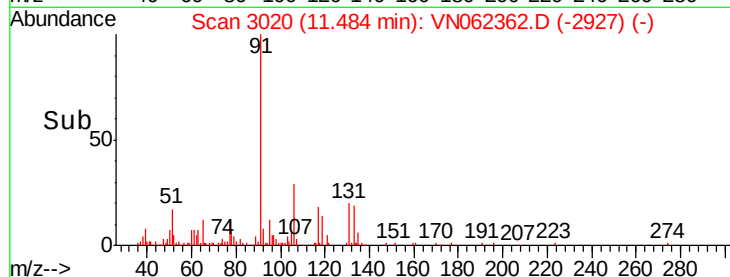
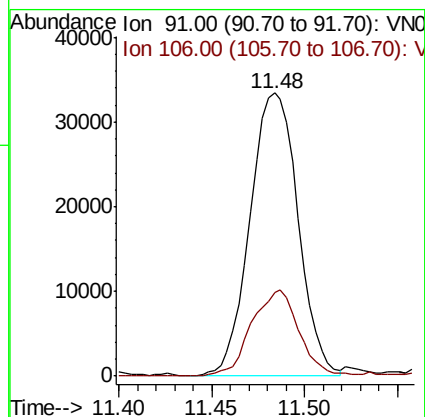
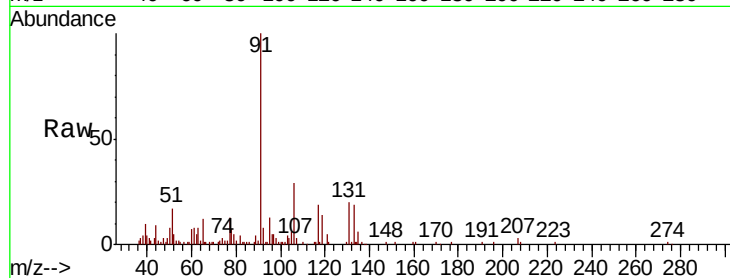
VSTDIC001

Tot Ion: 91 Resp: 60316

Ion Ratio Lower Upper

91 100

106 29.5 24.2 36.2



#68

m/p-Xylenes

Concen: 1.810 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062362.D

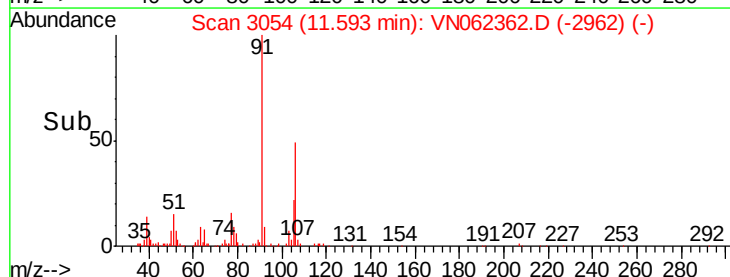
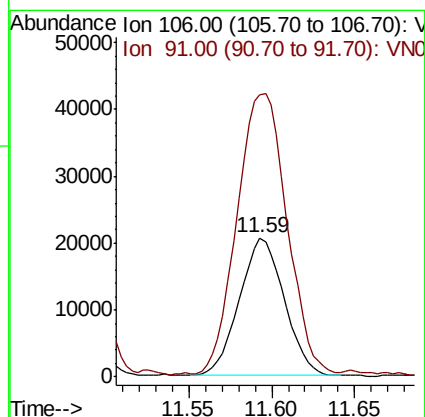
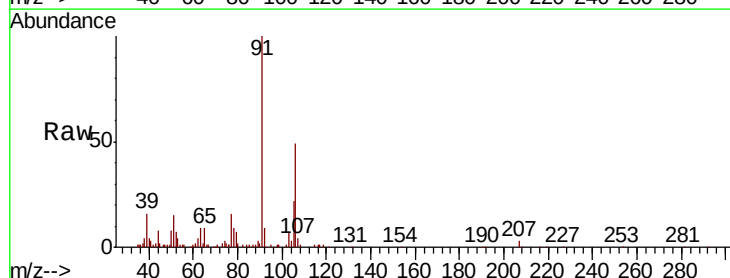
Acq: 6 Jul 2020 12:24

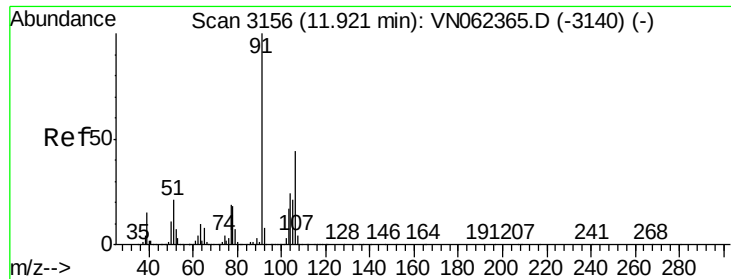
Tgt Ion: 106 Resp: 38765

Ion Ratio Lower Upper

106 100

91 227.4 165.4 248.2

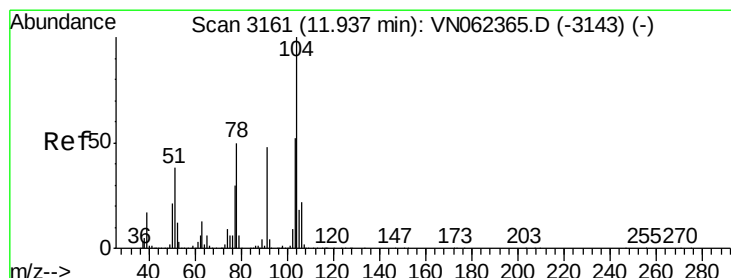
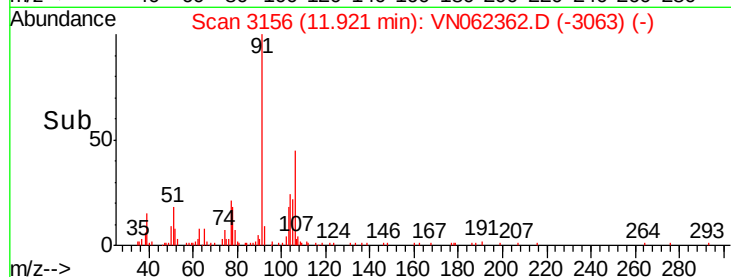
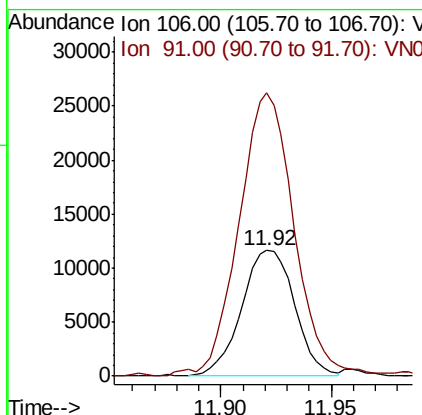
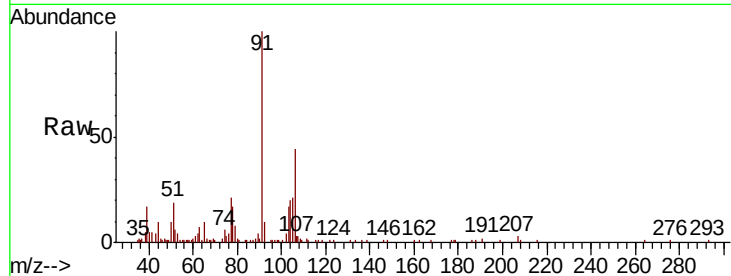




#69
o-Xylene
Concen: 0.966 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

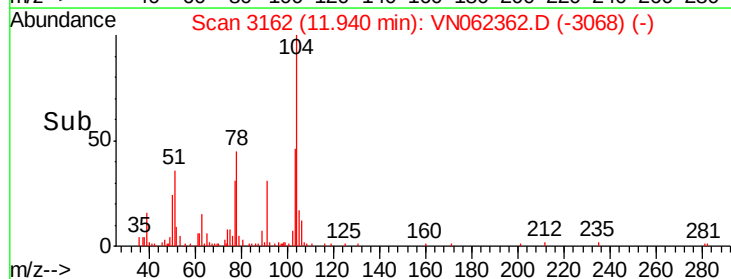
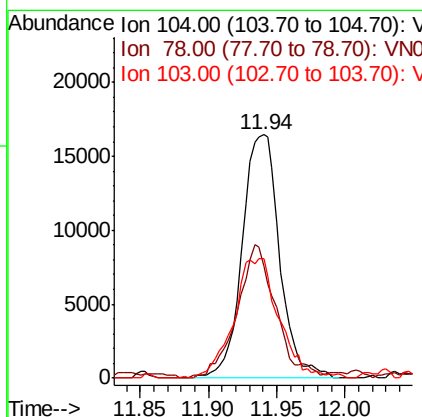
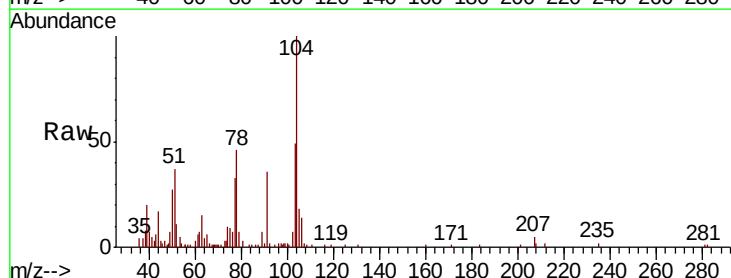
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

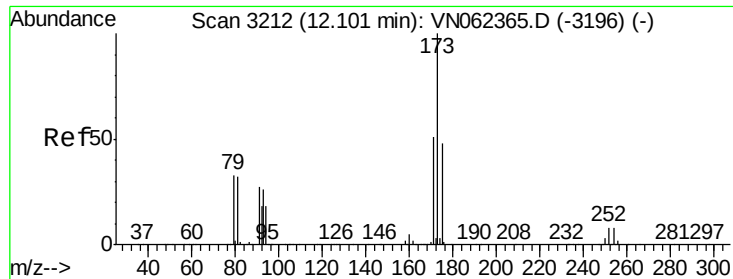
Tot Ion:106 Resp: 19509
Ion Ratio Lower Upper
106 100
91 234.8 113.1 339.4



#70
Styrene
Concen: 0.928 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:104 Resp: 31324
Ion Ratio Lower Upper
104 100
78 56.5 44.8 67.2
103 59.4 45.0 67.4

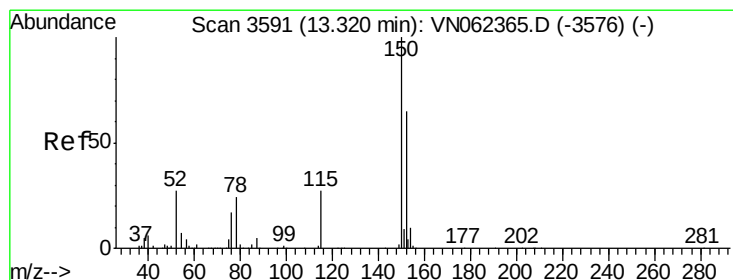
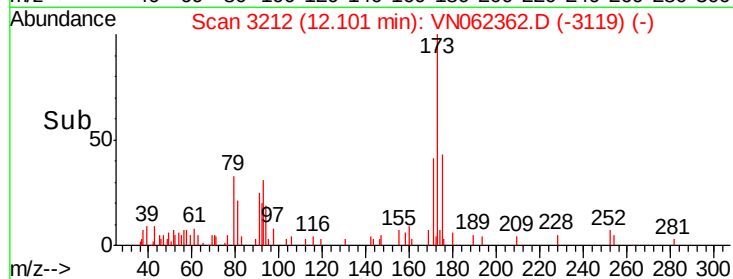
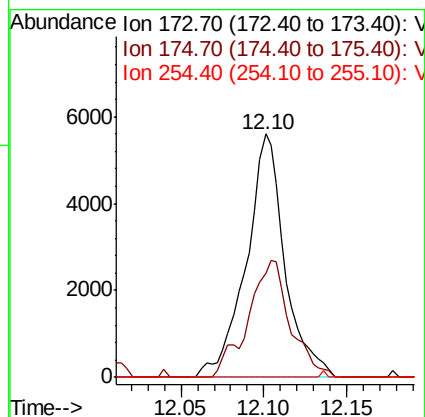
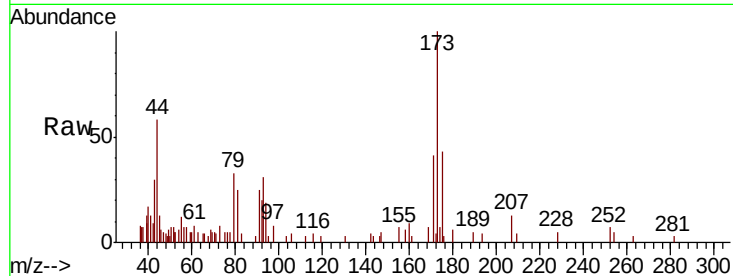




#71
Bromoform
Concen: 1.092 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

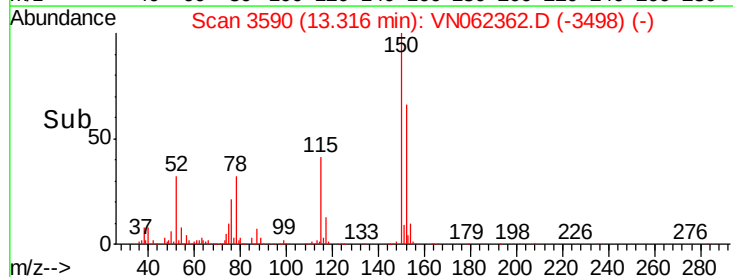
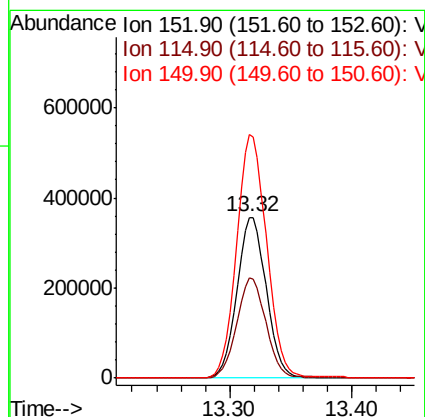
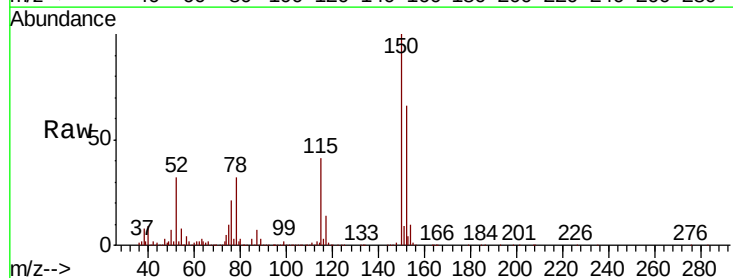
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

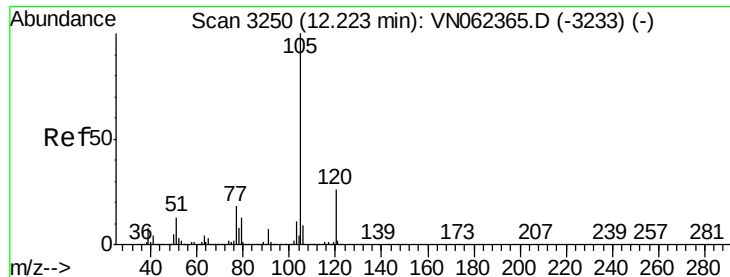
Tot Ion:173 Resp: 9037
Ion Ratio Lower Upper
173 100
175 52.4 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:152 Resp: 594280
Ion Ratio Lower Upper
152 100
115 62.3 30.5 91.5
150 153.9 0.0 346.8





#73

Isopropylbenzene

Concen: 1.133 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

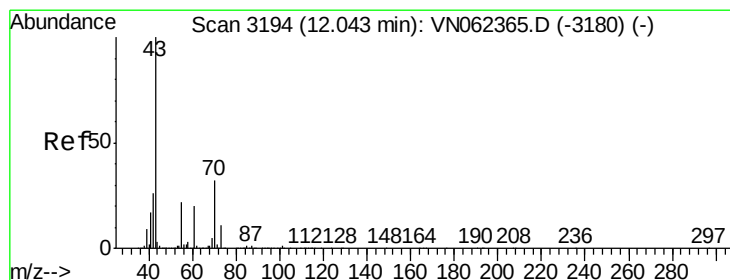
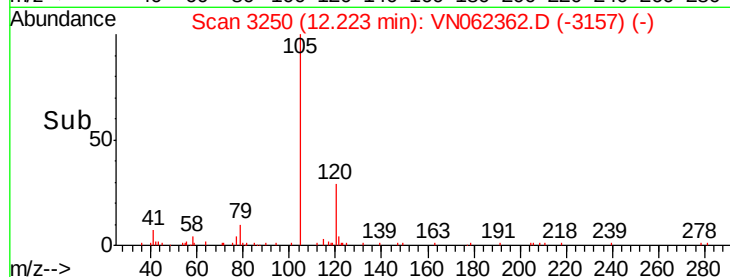
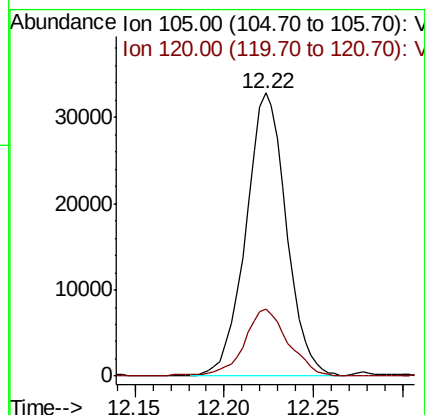
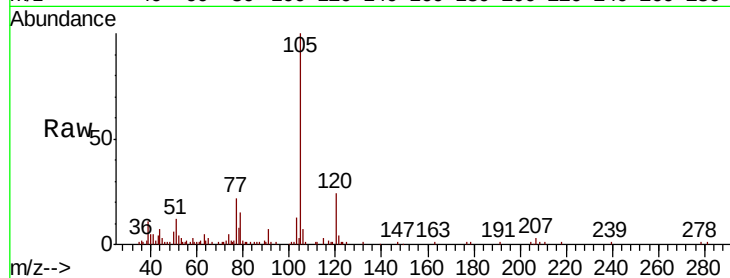
VSTDIC001

Tot Ion:105 Resp: 51976

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 1.274 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Tgt Ion: 43 Resp: 21183

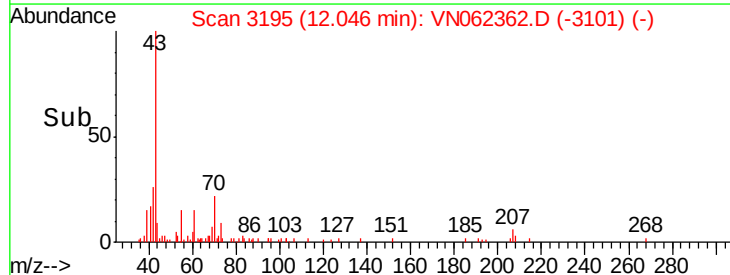
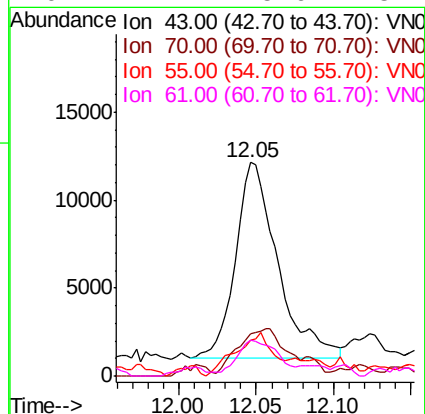
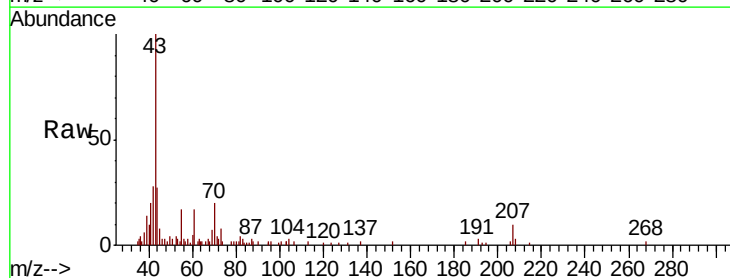
Ion Ratio Lower Upper

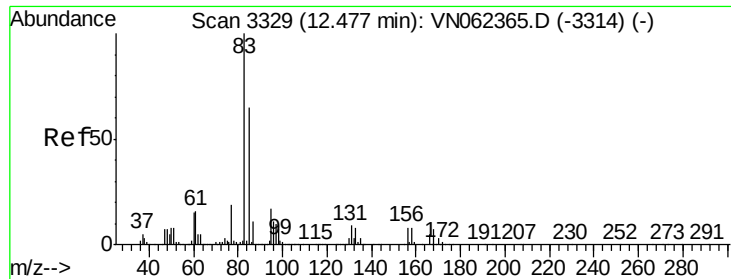
43 100

70 23.9 25.9 38.9#

55 19.5 17.4 26.0

61 14.2 15.6 23.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.201 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

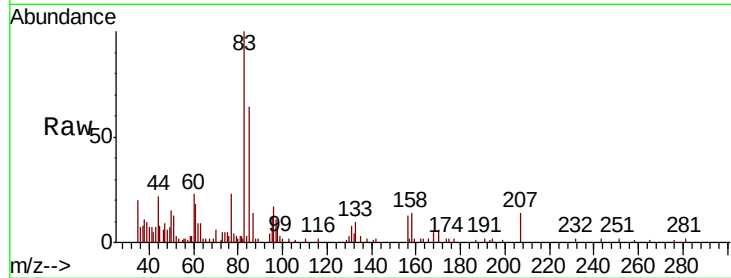
Tot Ion: 83 Resp: 18484

Ion Ratio Lower Upper

83 100

131 10.8 4.8 14.3

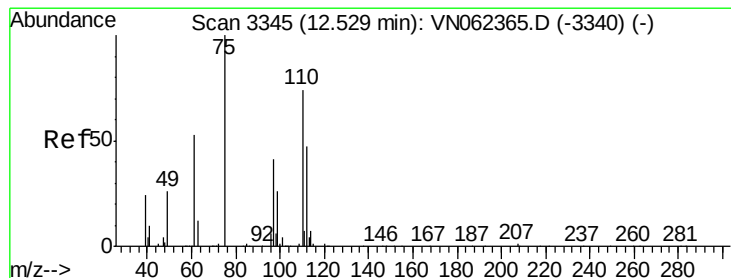
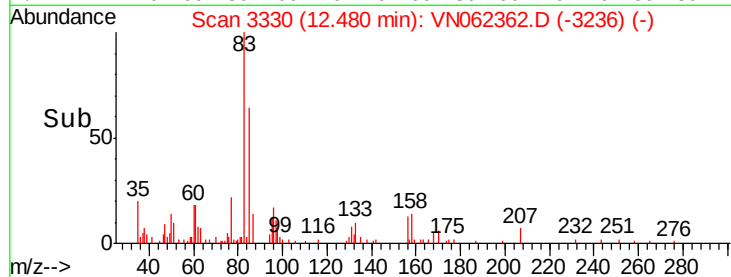
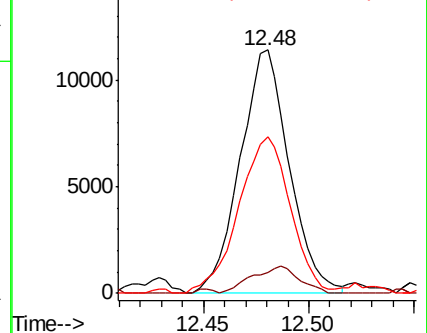
85 67.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.583 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062362.D

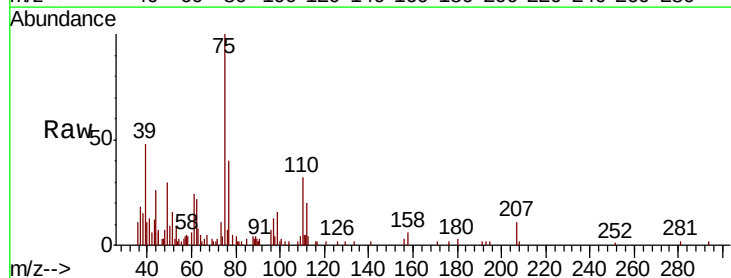
Acq: 6 Jul 2020 12:24

Tgt Ion: 75 Resp: 22178

Ion Ratio Lower Upper

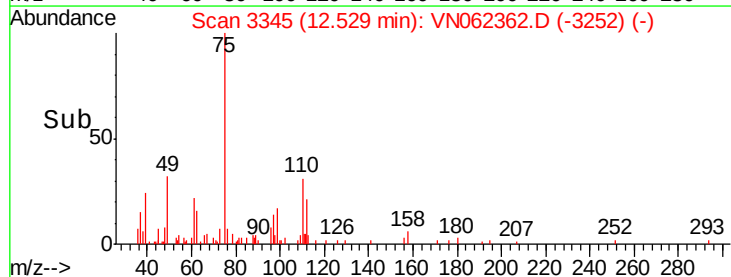
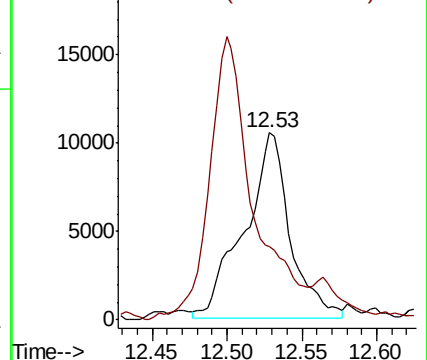
75 100

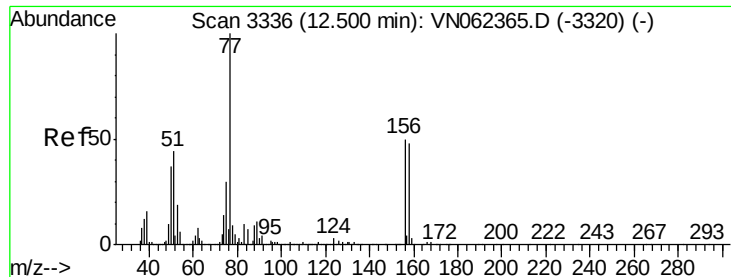
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.975 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

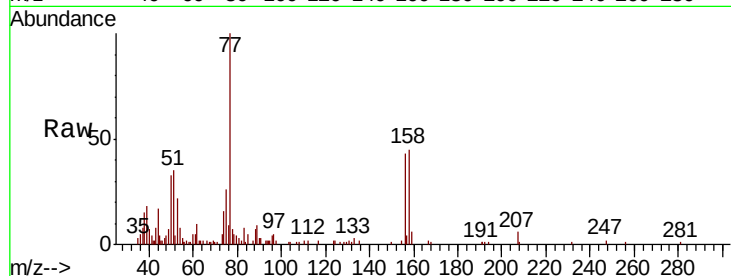
Tot Ion:156 Resp: 11043

Ion Ratio Lower Upper

156 100

77 295.8 123.3 369.8

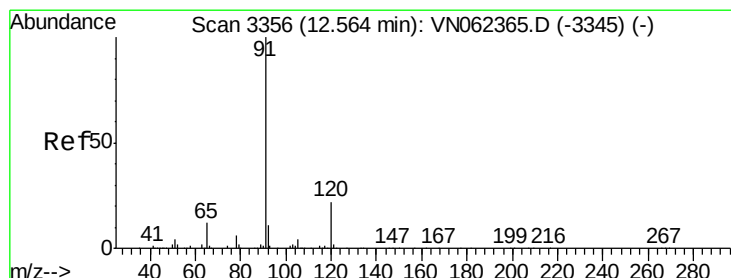
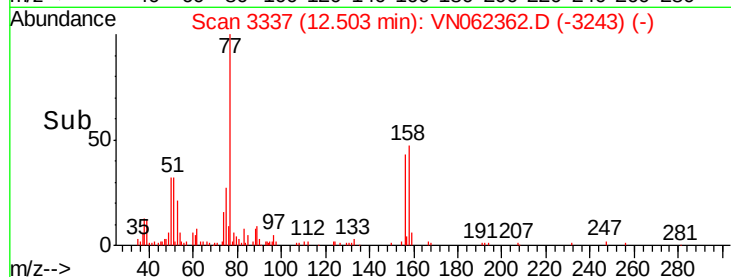
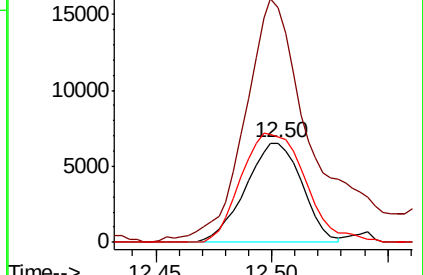
158 125.6 49.6 148.8



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: 1.114 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062362.D

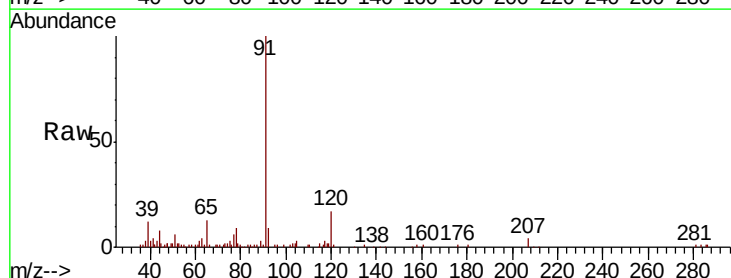
Acq: 6 Jul 2020 12:24

Tgt Ion: 91 Resp: 58662

Ion Ratio Lower Upper

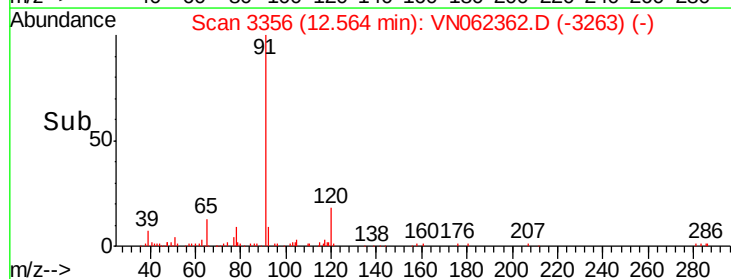
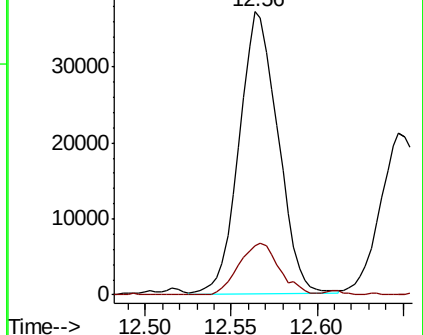
91 100

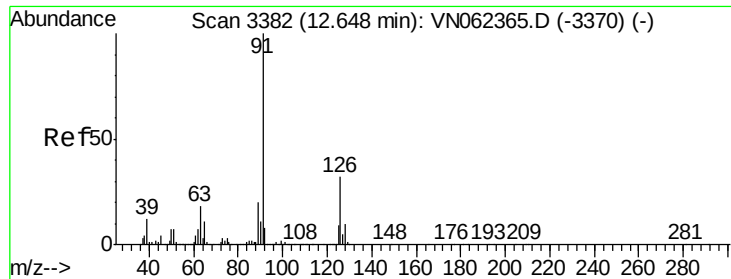
120 19.0 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.157 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

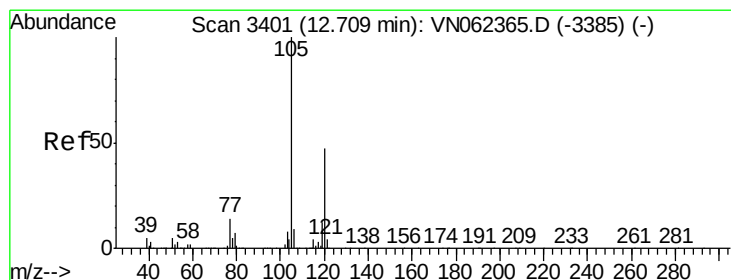
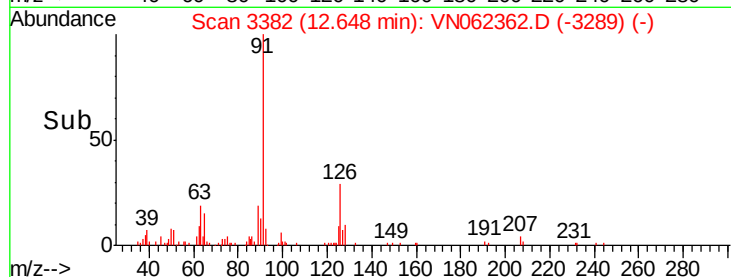
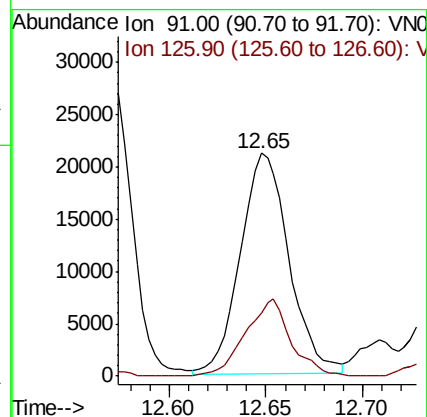
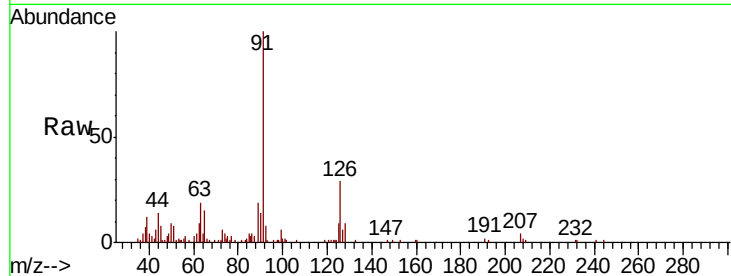
VSTDIC001

Tot Ion: 91 Resp: 37027

Ion Ratio Lower Upper

91 100

126 32.7 15.8 47.4



#80

1,3,5-Trimethylbenzene

Concen: 1.102 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062362.D

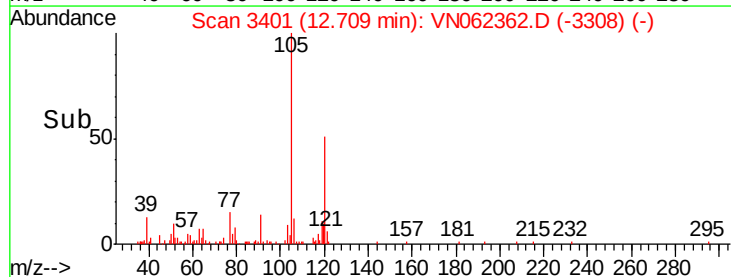
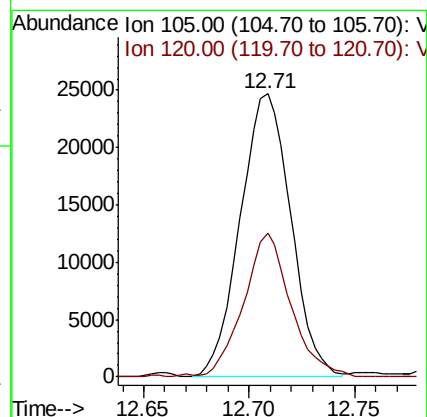
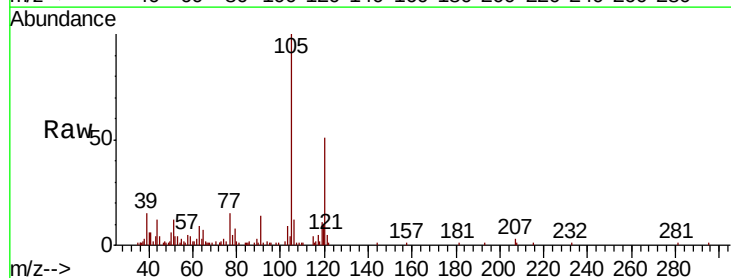
Acq: 6 Jul 2020 12:24

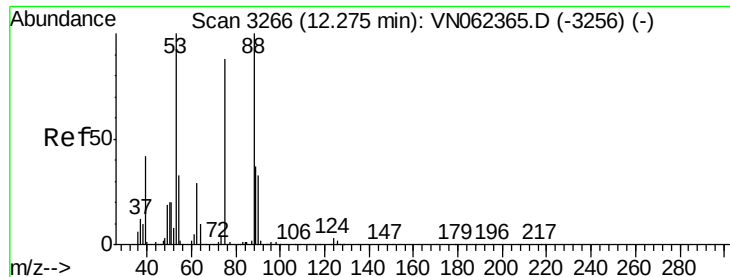
Tgt Ion: 105 Resp: 41212

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.266 ug/l

RT: 12.27 min Scan# 3264

Delta R.T. -0.01 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

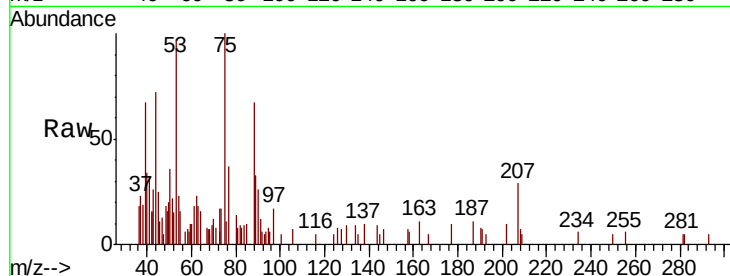
Tot Ion: 75 Resp: 6136

Ion Ratio Lower Upper

75 100

53 89.9 92.3 138.5#

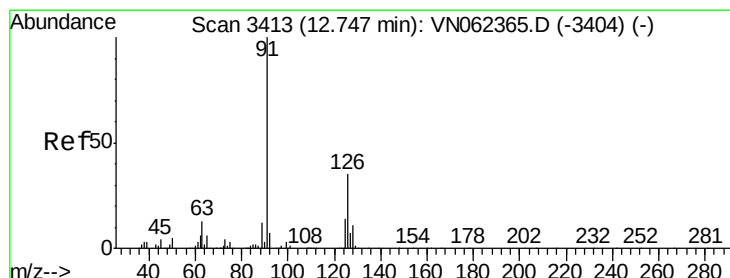
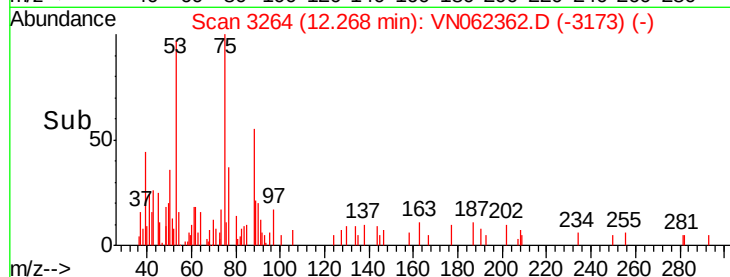
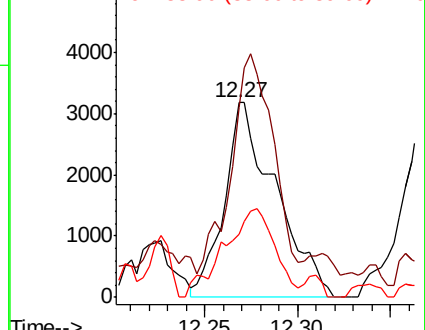
89 44.8 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.095 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062362.D

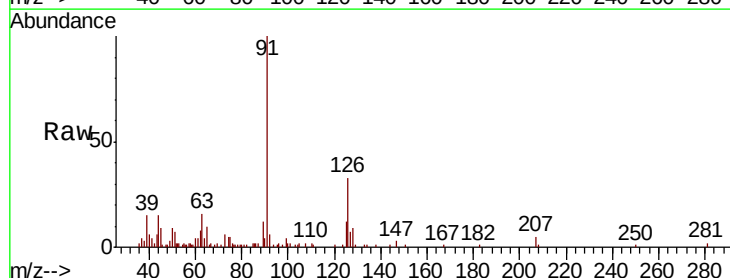
Acq: 6 Jul 2020 12:24

Tgt Ion: 91 Resp: 36213

Ion Ratio Lower Upper

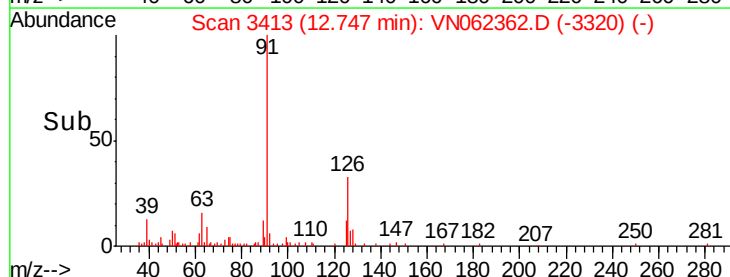
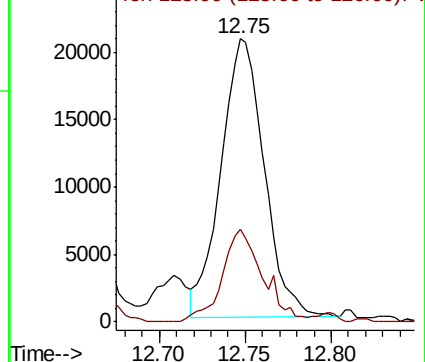
91 100

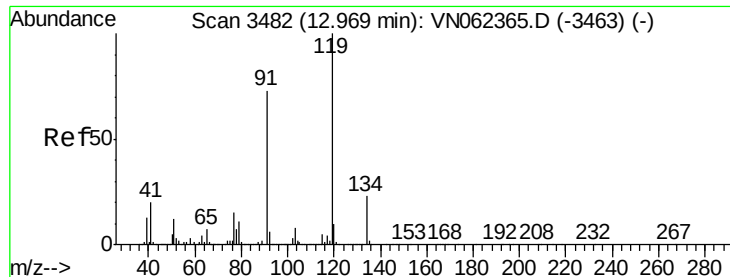
126 31.5 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

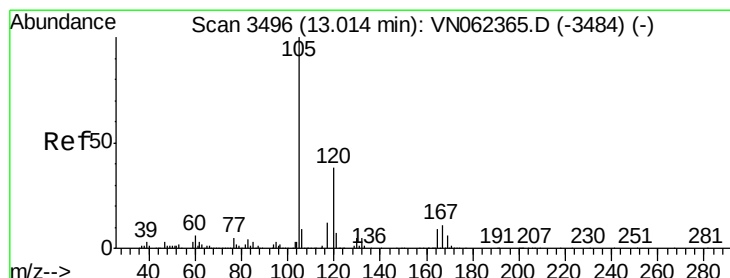
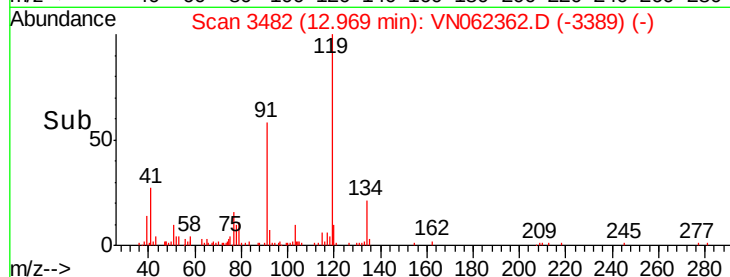
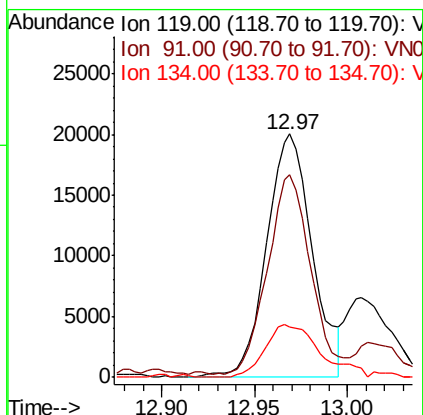
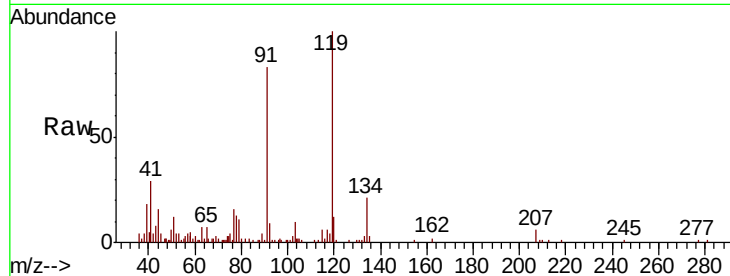




#83
 tert-Butylbenzene
 Concen: 1.079 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

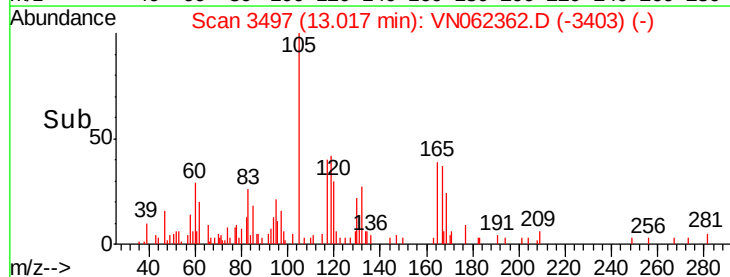
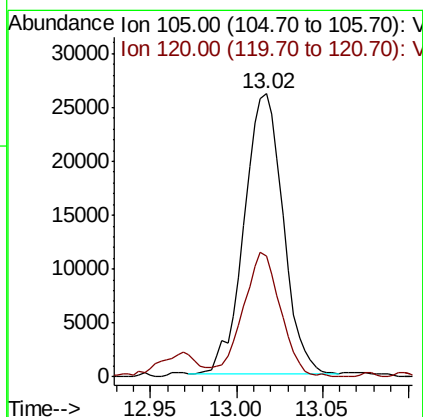
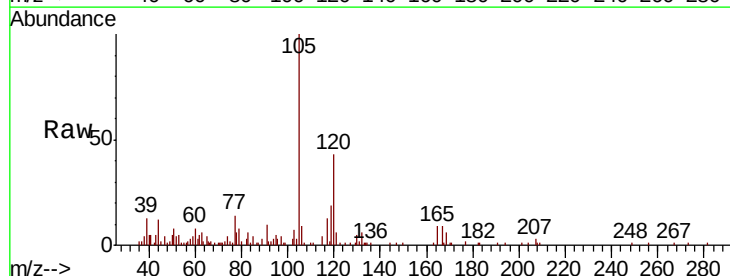
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

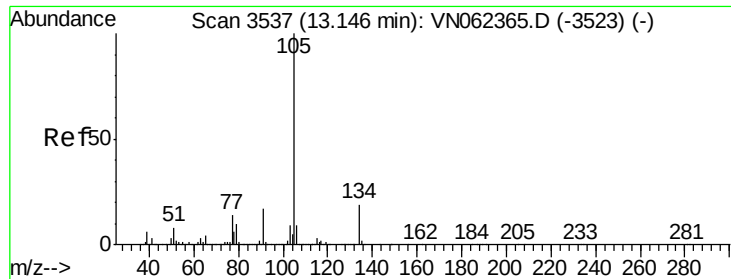
Tot Ion:119 Resp: 34341
 Ion Ratio Lower Upper
 119 100
 91 78.4 36.4 109.1
 134 26.2 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 1.103 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion:105 Resp: 41110
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 1.022 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

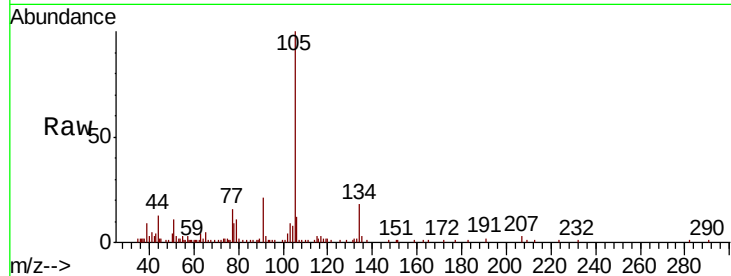
VSTDIC001

Tot Ion:105 Resp: 43204

Ion Ratio Lower Upper

105 100

134 17.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

30000

25000

20000

15000

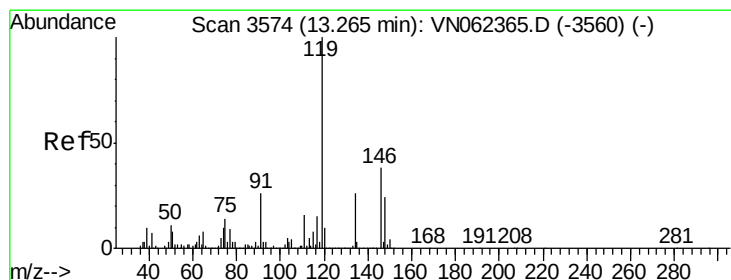
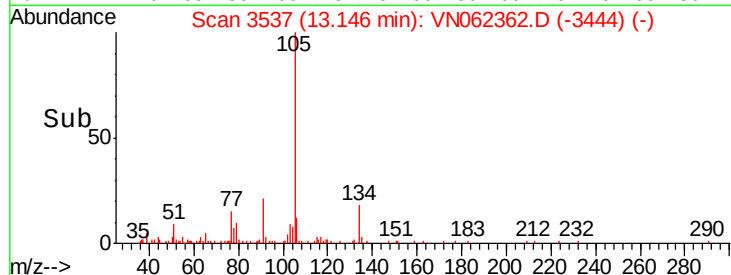
10000

5000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 1.094 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

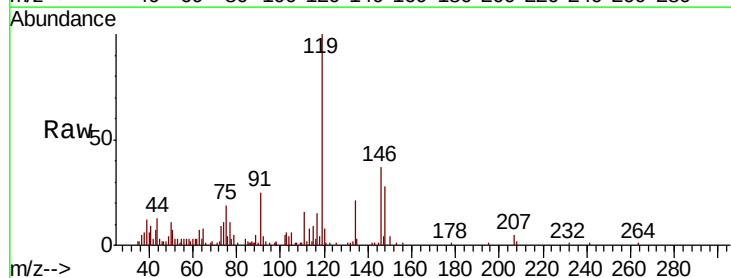
Tgt Ion:119 Resp: 40411

Ion Ratio Lower Upper

119 100

134 22.3 12.7 38.1

91 24.5 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

30000

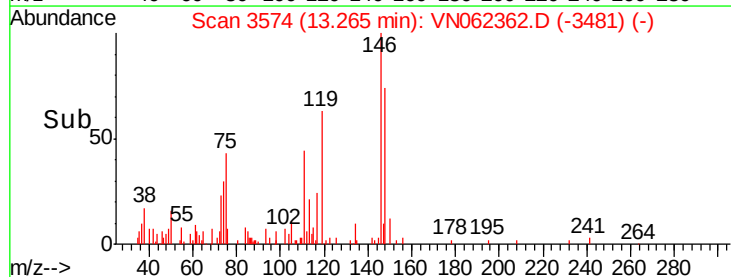
20000

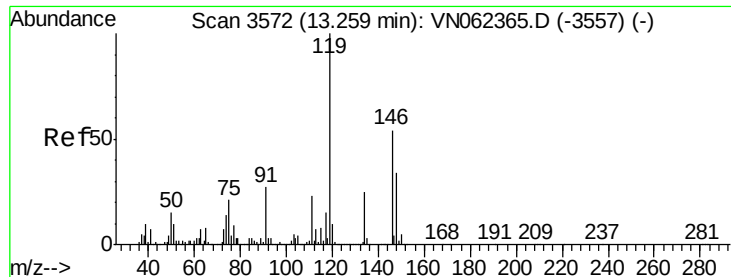
10000

0

Time-->

13.20 13.25 13.30





#87

1,3-Dichlorobenzene

Concen: 0.985 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

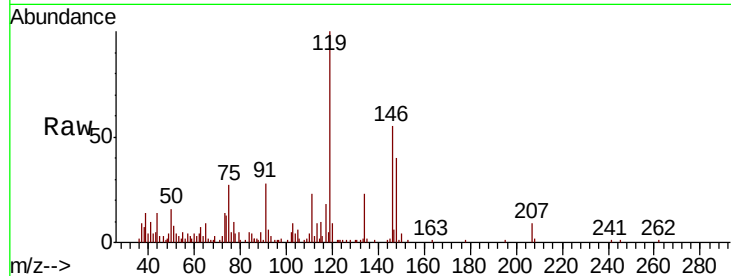
Tot Ion:146 Resp: 19645

Ion Ratio Lower Upper

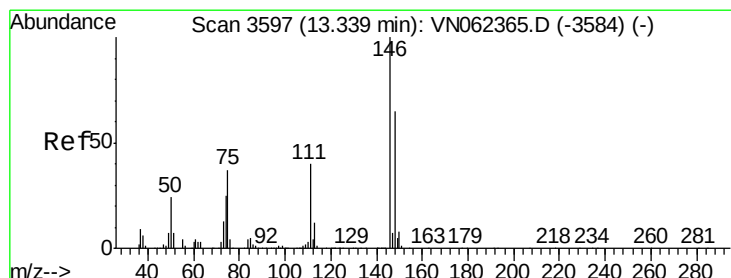
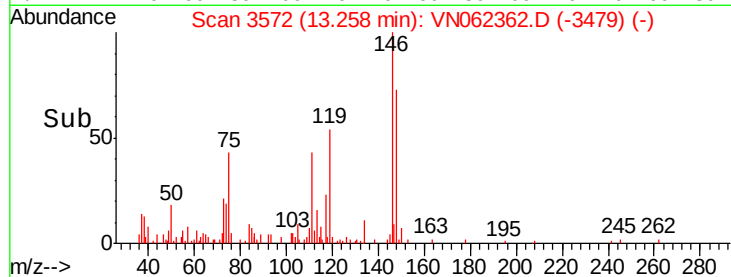
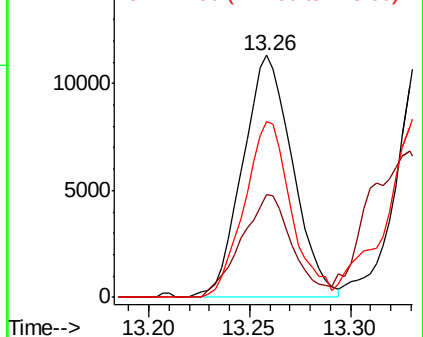
146 100

111 43.3 21.3 63.9

148 67.7 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 0.954 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

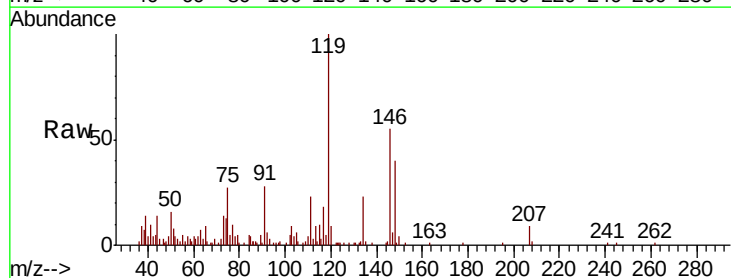
Tgt Ion:146 Resp: 19645

Ion Ratio Lower Upper

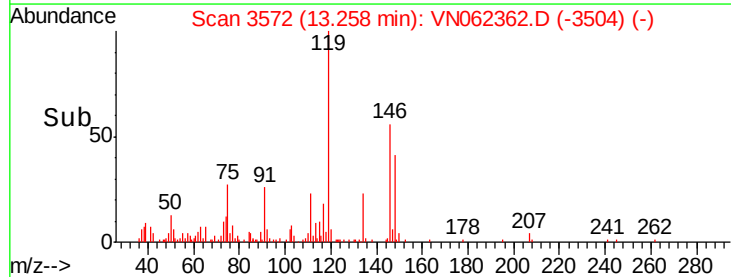
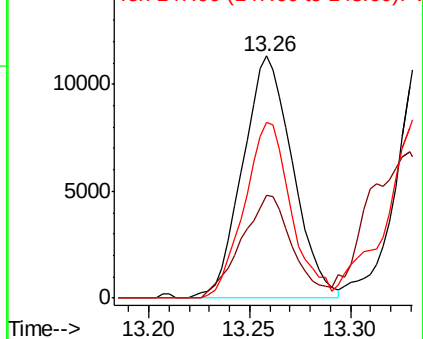
146 100

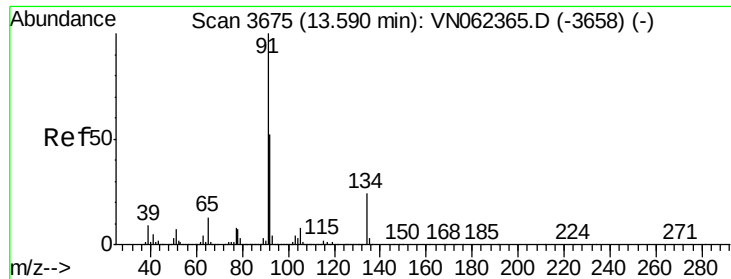
111 43.3 20.6 61.8

148 67.7 31.8 95.4



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





#89

n-Butylbenzene

Concen: 1.036 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062362.D

Acq: 6 Jul 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

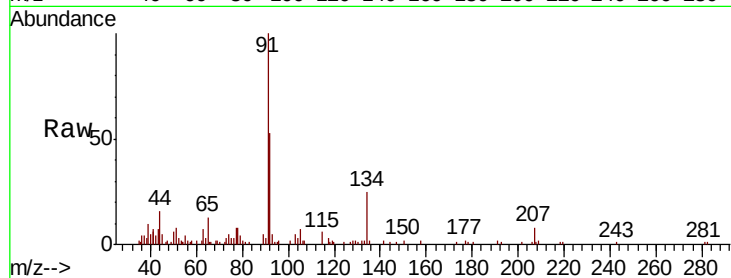
Tot Ion: 91 Resp: 32057

Ion Ratio Lower Upper

91 100

92 54.2 25.7 77.1

134 25.2 11.7 35.1

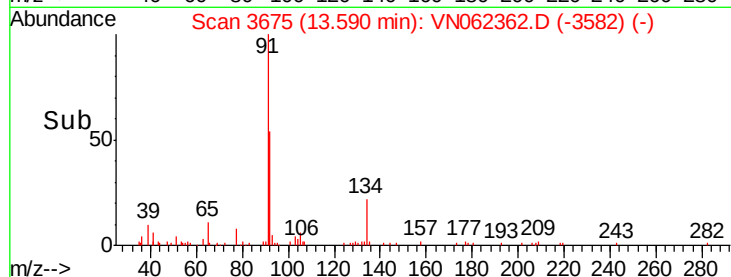


Abundance Ion 91.00 (90.70 to 91.70): VN062365.D (-3658) (-)

Ion 92.00 (91.70 to 92.70): VN062365.D (-3658) (-)

Ion 134.00 (133.70 to 134.70): VN062365.D (-3658) (-)

Time-->

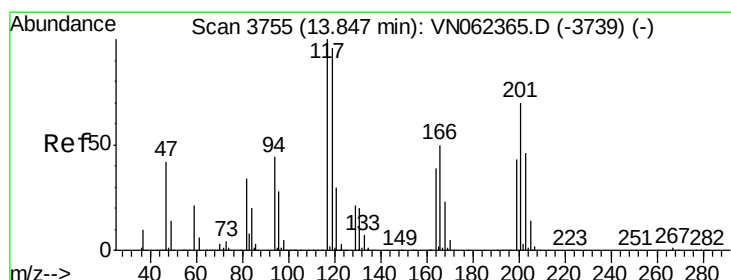


Abundance Ion 91.00 (90.70 to 91.70): VN062365.D (-3658) (-)

Ion 92.00 (91.70 to 92.70): VN062365.D (-3658) (-)

Ion 134.00 (133.70 to 134.70): VN062365.D (-3658) (-)

Time-->



#90

Hexachloroethane

Concen: 1.274 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062362.D

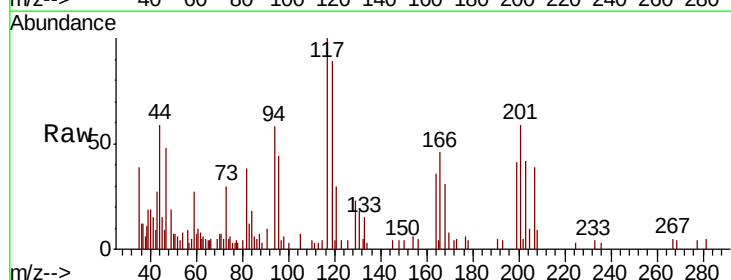
Acq: 6 Jul 2020 12:24

Tgt Ion: 117 Resp: 9369

Ion Ratio Lower Upper

117 100

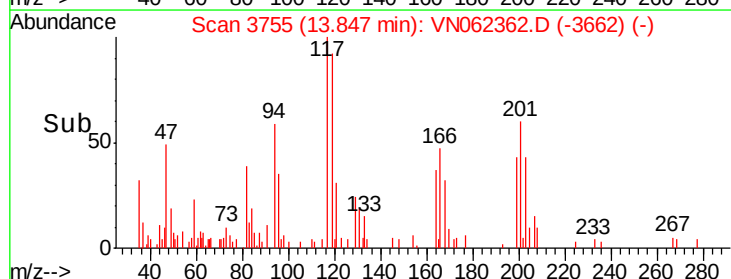
201 64.6 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062365.D (-3739) (-)

Ion 200.70 (200.40 to 201.40): VN062365.D (-3739) (-)

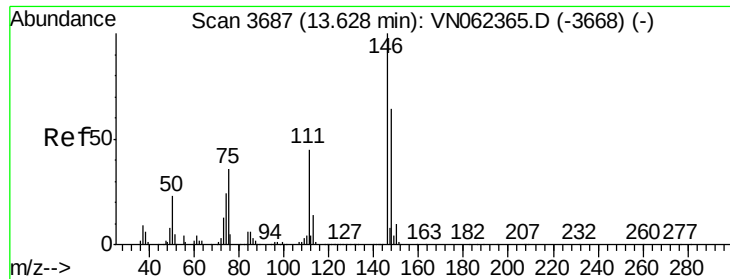
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN062365.D (-3739) (-)

Ion 200.70 (200.40 to 201.40): VN062365.D (-3739) (-)

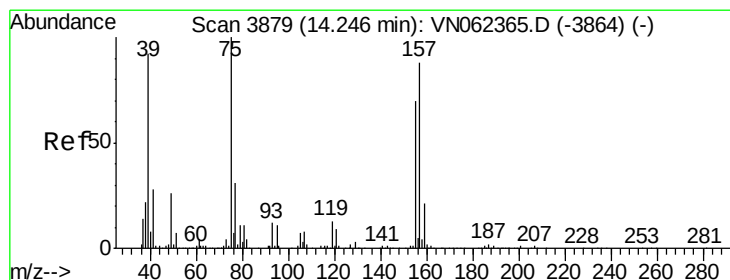
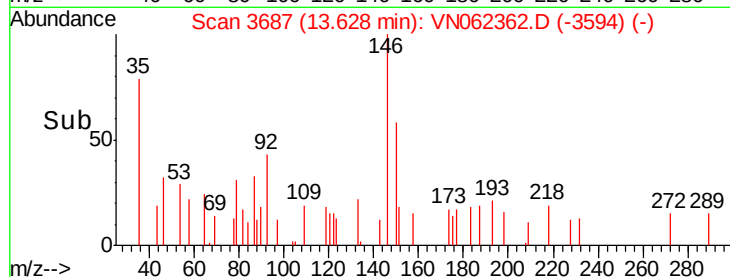
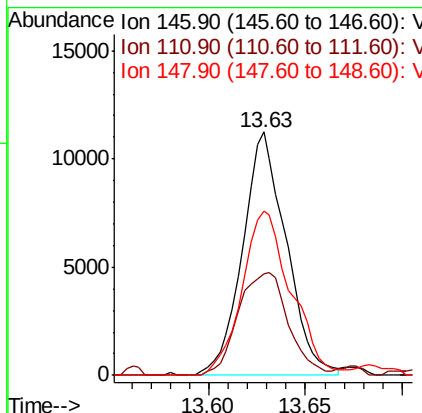
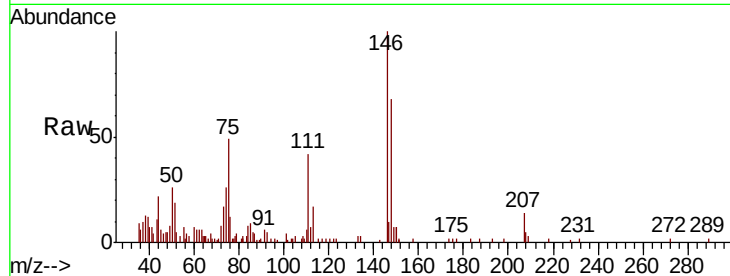
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 0.913 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

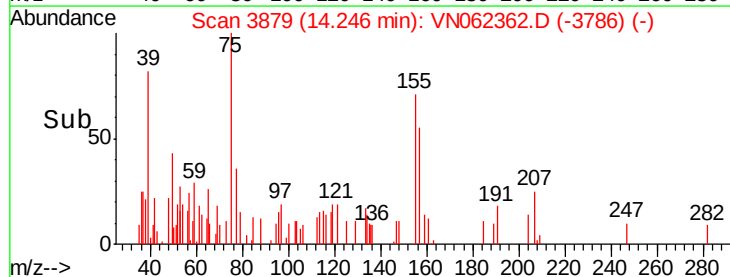
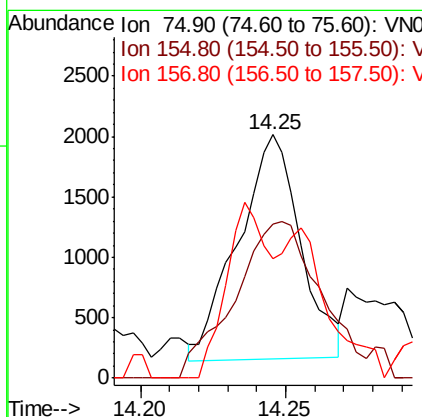
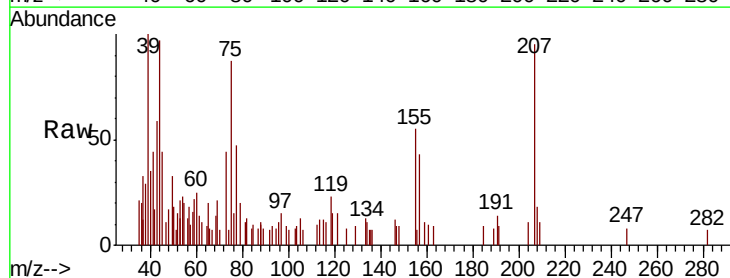
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

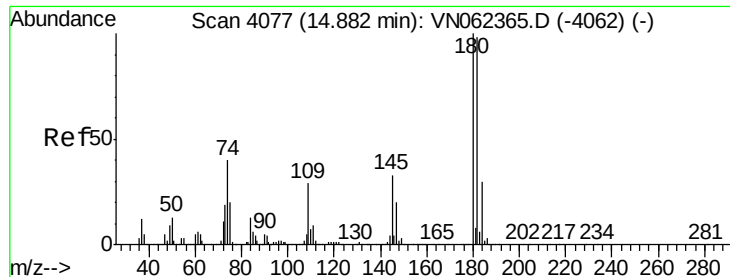
Tot Ion:146 Resp: 17670
 Ion Ratio Lower Upper
 146 100
 111 48.1 22.3 66.9
 148 75.4 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.096 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion: 75 Resp: 2793
 Ion Ratio Lower Upper
 75 100
 155 95.4 34.1 102.2
 157 52.1 43.3 129.8

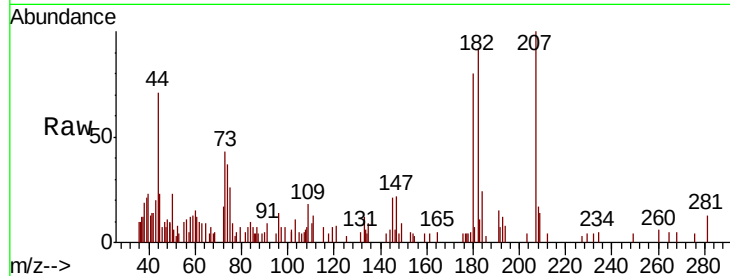




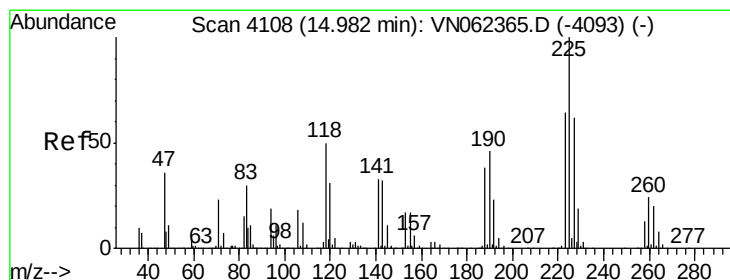
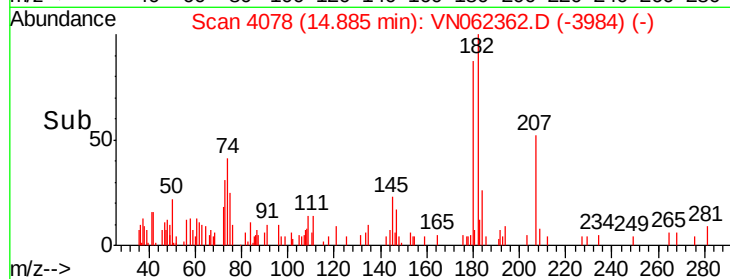
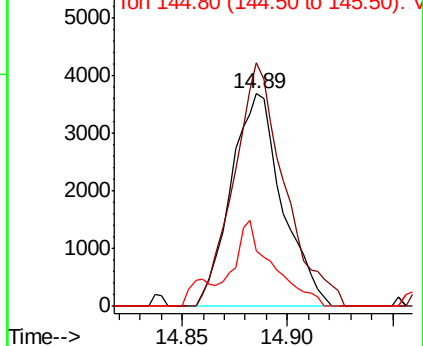
#93
 1,2,4-Trichlorobenzene
 Concen: 0.727 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:180 Resp: 6212
 Ion Ratio Lower Upper
 180 100
 182 112.9 47.6 142.8
 145 30.2 15.9 47.7

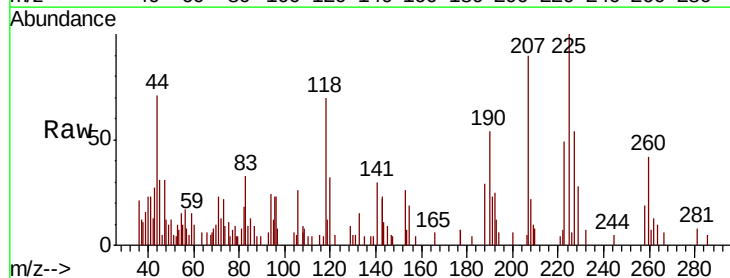


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

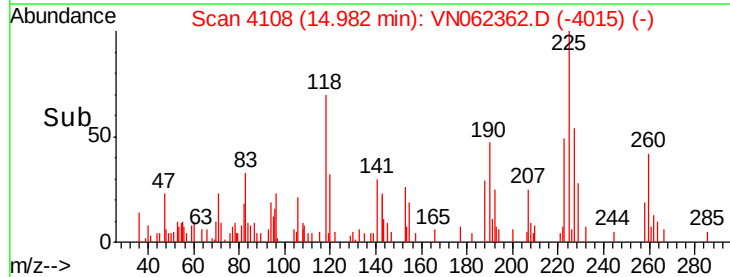
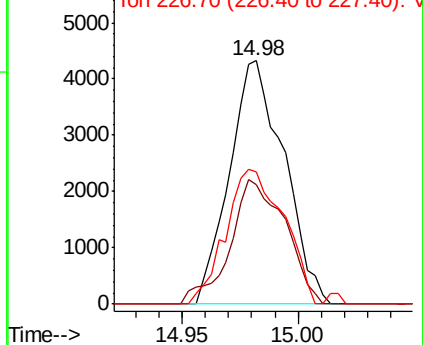


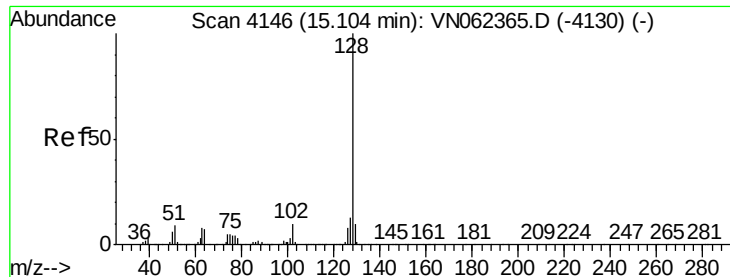
#94
 Hexachlorobutadiene
 Concen: 1.794 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062362.D
 Acq: 6 Jul 2020 12:24

Tgt Ion:225 Resp: 7042
 Ion Ratio Lower Upper
 225 100
 223 51.7 31.7 95.1
 227 59.0 30.3 90.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

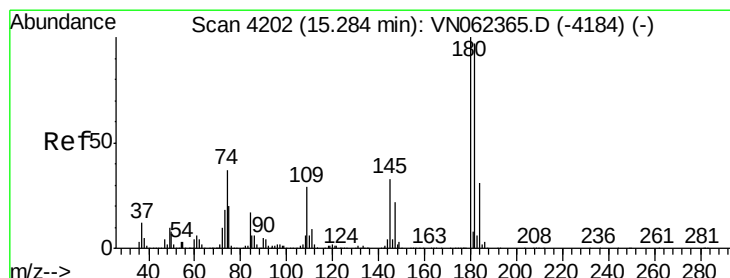
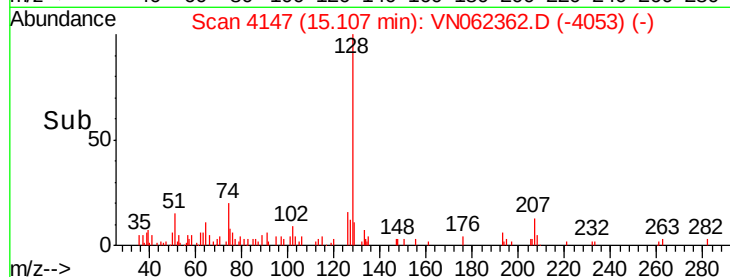
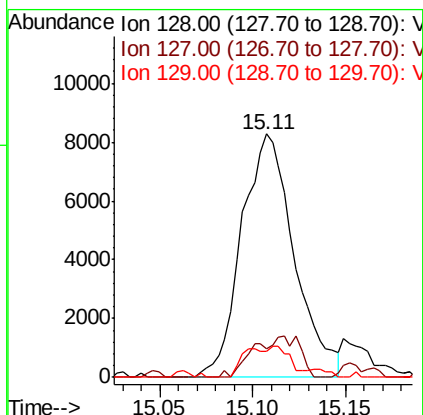
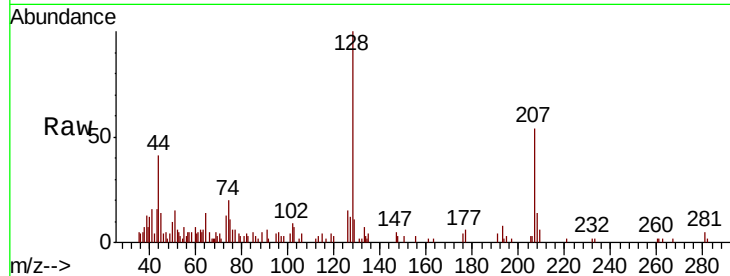




#95
Naphthalene
Concen: 0.667 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:128 Resp: 16351
Ion Ratio Lower Upper
128 100
127 6.1 10.8 16.2#
129 4.7 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.952 ug/l
RT: 15.28 min Scan# 4201
Delta R.T. -0.00 min
Lab File: VN062362.D
Acq: 6 Jul 2020 12:24

Tgt Ion:180 Resp: 8301
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 31.1 16.4 49.2

