

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062366.D
 Acq On : 6 Jul 2020 14:02
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 07 04:40:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1169983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1963404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1853092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	923569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	1973723	111.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.98%	
35) Dibromofluoromethane	7.55	113	1333812	102.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.50%	
50) Toluene-d8	10.06	98	4943982	95.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.42%	
62) 4-Bromofluorobenzene	12.38	95	1962129	110.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1212955	90.967	ug/l	100
3) Chloromethane	2.04	50	1751609	98.039	ug/l	98
4) Vinyl Chloride	2.16	62	1492756	73.618	ug/l	98
5) Bromomethane	2.51	94	815908	64.260	ug/l	100
6) Chloroethane	2.65	64	878077	64.853	ug/l	97
7) Trichlorofluoromethane	2.98	101	2049950	79.229	ug/l	100
8) Diethyl Ether	3.37	74	814647	90.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1147281	85.562	ug/l	100
10) Methyl Iodide	3.91	142	1590238	103.918	ug/l	98
11) Tert butyl alcohol	4.74	59	1415172	562.554	ug/l	98
12) 1,1-Dichloroethene	3.69	96	1114959	83.784	ug/l	98
13) Acrolein	3.56	56	584902	276.989	ug/l	98
14) Allyl chloride	4.27	41	2887794	142.709	ug/l	98
15) Acrylonitrile	4.93	53	3848749	572.078	ug/l	99
16) Acetone	3.77	43	4534502	693.127	ug/l	99
17) Carbon Disulfide	4.01	76	3423527	80.559	ug/l	99
18) Methyl Acetate	4.28	43	1902852	131.962	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	4506494	102.829	ug/l	100
20) Methylene Chloride	4.50	84	1385120	83.919	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	1236868	81.963	ug/l	99
22) Diisopropyl ether	5.90	45	5790479	128.384	ug/l	97
23) Vinyl Acetate	5.84	43	19287806	525.388	ug/l #	87
24) 1,1-Dichloroethane	5.80	63	2748725	99.932	ug/l	100
25) 2-Butanone	6.79	43	6101193	689.944	ug/l	99
26) 2,2-Dichloropropane	6.78	77	2282751	100.402	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	1457233	85.394	ug/l	99
28) Bromochloromethane	7.15	49	1600534	126.480	ug/l	99
29) Tetrahydrofuran	7.17	42	3968442	686.928	ug/l	99
30) Chloroform	7.33	83	2631753	95.232	ug/l	96
31) Cyclohexane	7.61	56	2438729	103.255	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	2261196	97.069	ug/l	99
36) 1,1-Dichloropropene	7.75	75	1985306	99.225	ug/l	100
37) Ethyl Acetate	6.88	43	2478682	137.591	ug/l	99
38) Carbon Tetrachloride	7.73	117	1966015	103.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2162812	99.191	ug/l	96
40) Benzene	8.00	78	5556337	91.961	ug/l	97
41) Methacrylonitrile	7.12	41	1165607	142.600	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	2418450	113.444	ug/l	99
43) Isopropyl Acetate	8.13	43	4166301	141.548	ug/l	99
44) Trichloroethene	8.80	130	1324083	87.743	ug/l	99
45) 1,2-Dichloropropane	9.08	63	1648449	107.576	ug/l	100
46) Dibromomethane	9.18	93	1012286	99.254	ug/l	98
47) Bromodichloromethane	9.37	83	2177076	104.834	ug/l	99
48) Methyl methacrylate	9.17	41	2103913	155.574	ug/l	99
49) 1,4-Dioxane	9.17	88	543648	2041.278	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	9382431	550.411	ug/l #	84
52) Toluene	10.12	92	3454095	94.413	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	2513763	109.687	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	2592367	106.974	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	1365611	94.982	ug/l	98
56) Ethyl methacrylate	10.40	69	2388393	119.989	ug/l	99
57) 1,3-Dichloropropane	10.68	76	2496481	99.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	4269611	570.747	ug/l	98
59) 2-Hexanone	10.72	43	7828201	629.220	ug/l	88
60) Dibromochloromethane	10.87	129	1611466	104.223	ug/l	100
61) 1,2-Dibromoethane	10.98	107	1420996	96.004	ug/l	99
64) Tetrachloroethene	10.60	164	1095511	87.163	ug/l	99
65) Chlorobenzene	11.41	112	3622436	89.351	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	1403881	99.186	ug/l	99
67) Ethyl Benzene	11.48	91	6260218	90.690	ug/l	89
68) m/p-Xylenes	11.60	106	4898102	185.355	ug/l	82
69) o-Xylene	11.92	106	2435704	97.744	ug/l	92
70) Styrene	11.94	104	4128402	99.132	ug/l	99
71) Bromoform	12.10	173	1126331	110.302	ug/l #	99
73) Isopropylbenzene	12.22	105	6025876	84.509	ug/l	94
74) N-amyl acetate	12.04	43	3792655	146.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	2106024	88.078	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	2972456	136.487	ug/l #	100
77) Bromobenzene	12.50	156	1563608	88.862	ug/l	96
78) n-propylbenzene	12.57	91	6854334	83.776	ug/l	93
79) 2-Chlorotoluene	12.65	91	4580901	92.145	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	5335654	91.805	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.27	75	803427	106.691	ug/l	96
82) 4-Chlorotoluene	12.75	91	4803528	93.437	ug/l	99
83) tert-Butylbenzene	12.97	119	4590741	92.814	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	5282605	91.224	ug/l	96
85) sec-Butylbenzene	13.15	105	5836659	88.857	ug/l	96
86) p-Isopropyltoluene	13.26	119	5260368	91.613	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	2825848	91.174	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	2835830	88.648	ug/l	100
89) n-Butylbenzene	13.59	91	4929694	102.512	ug/l	96
90) Hexachloroethane	13.85	117	1114693	97.538	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	2708848	90.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	450267	113.708	ug/l	98

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ClientSampleId :
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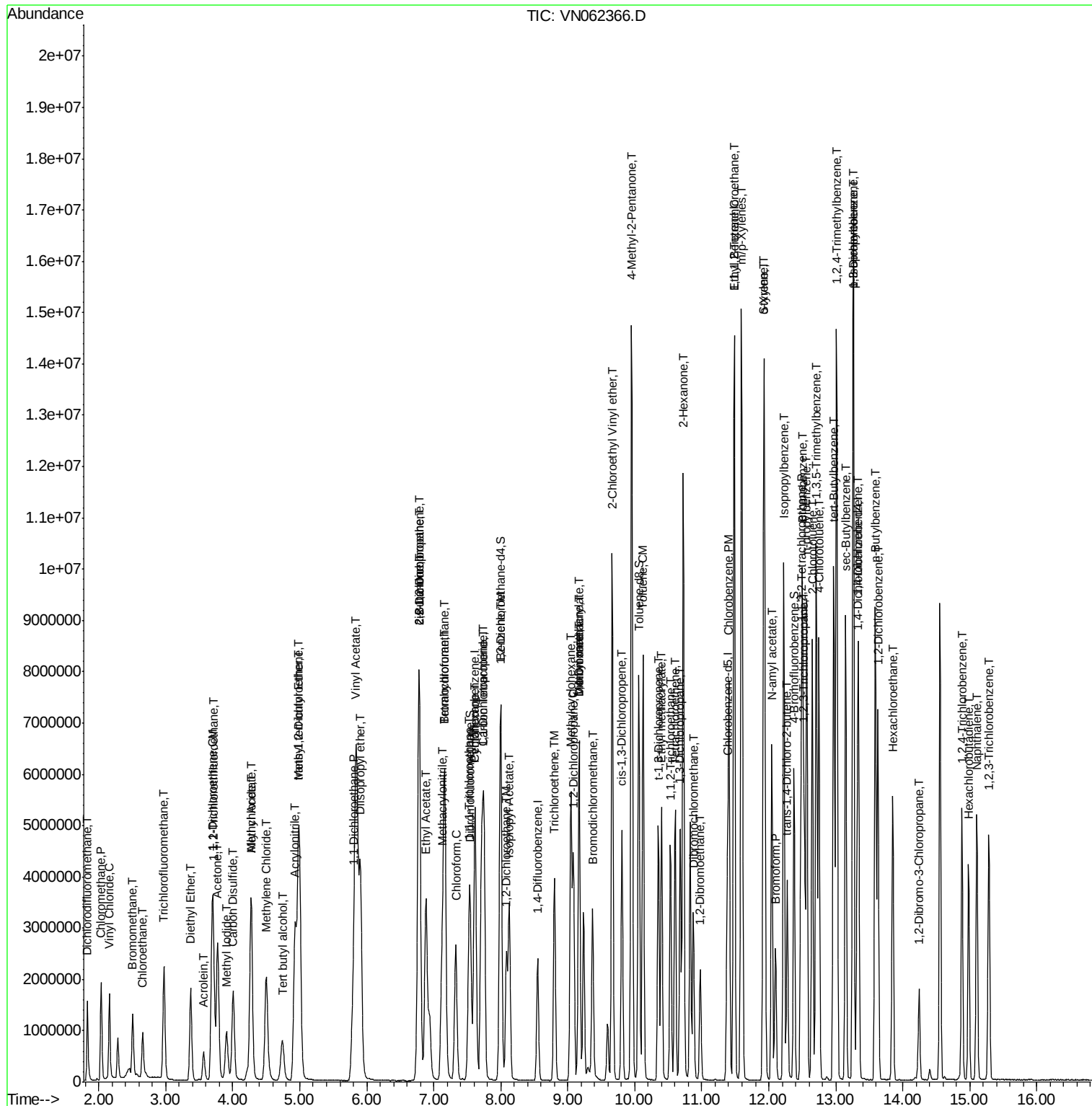
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1487340	111.999	ug/l	100
94) Hexachlorobutadiene	14.98	225	727984	119.330	ug/l	99
95) Naphthalene	15.10	128	4072130	106.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	1454156	107.365	ug/l	99

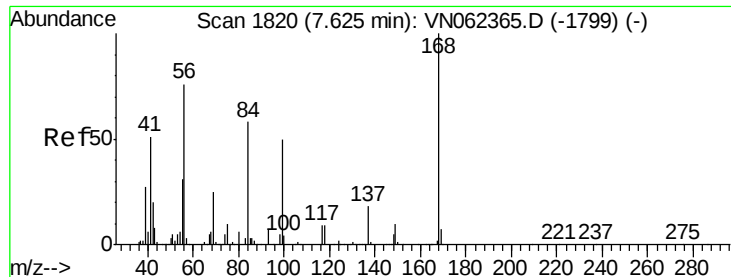
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

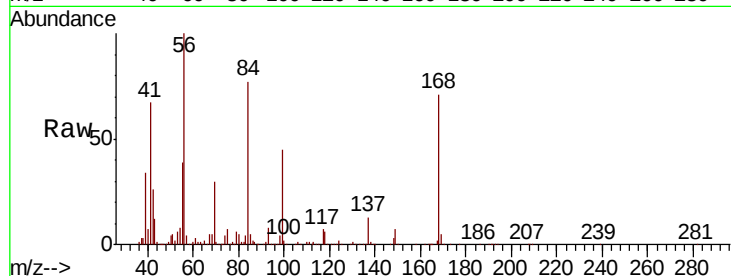
VSTDIC100

Tot Ion:168 Resp: 1169983

Ion Ratio Lower Upper

168 100

99 63.3 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

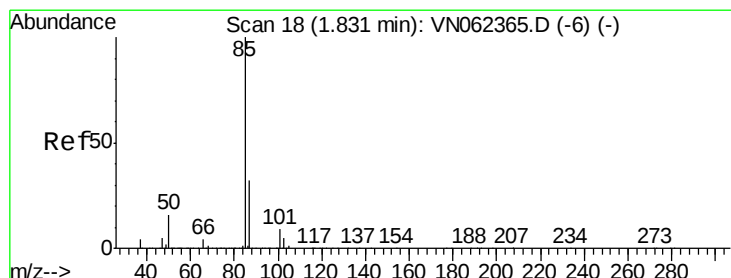
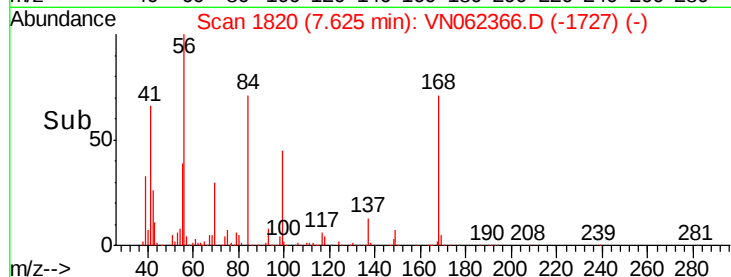
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 90.967 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062366.D

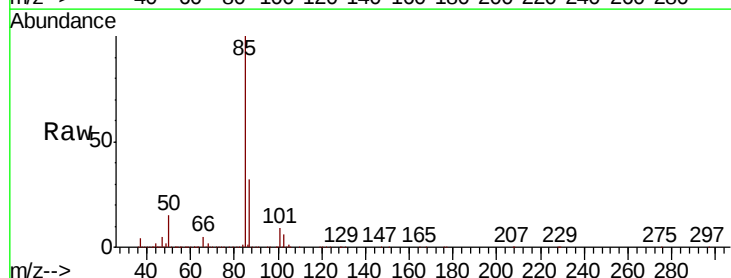
Acq: 6 Jul 2020 14:02

Tgt Ion: 85 Resp: 1212955

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000000

800000

600000

400000

200000

0

1.75

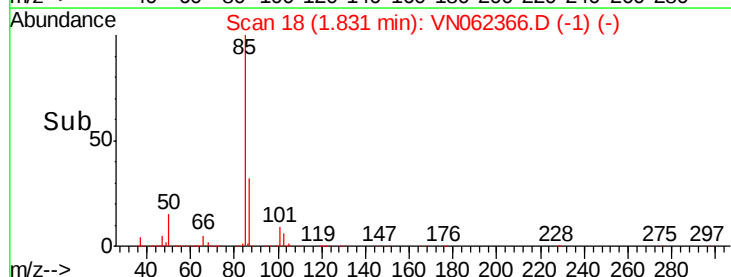
1.80

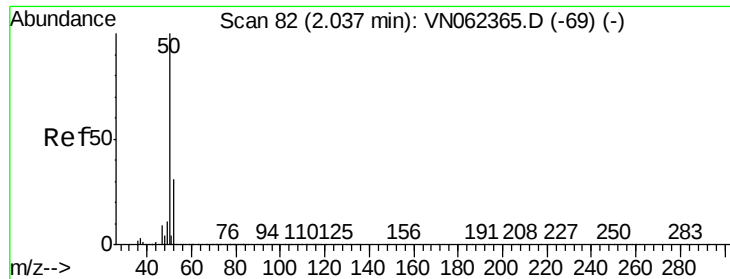
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 98.039 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

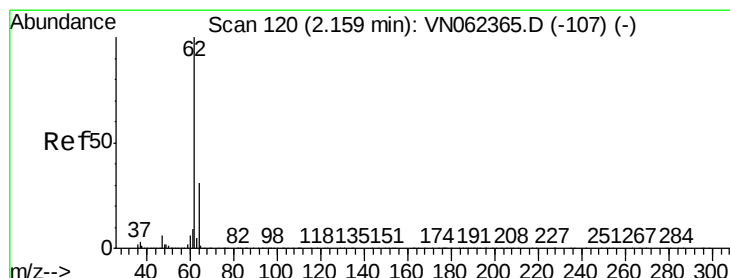
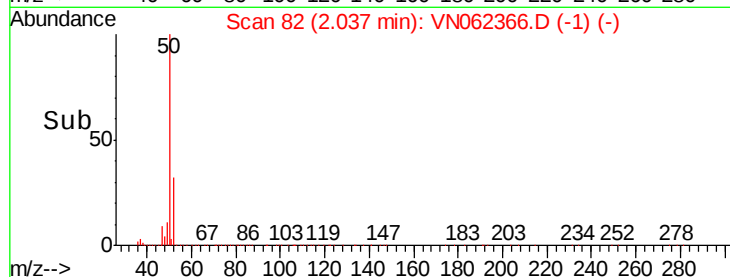
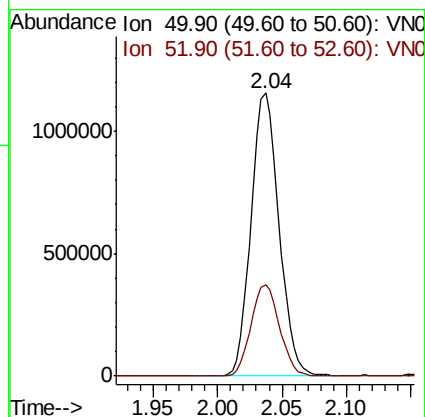
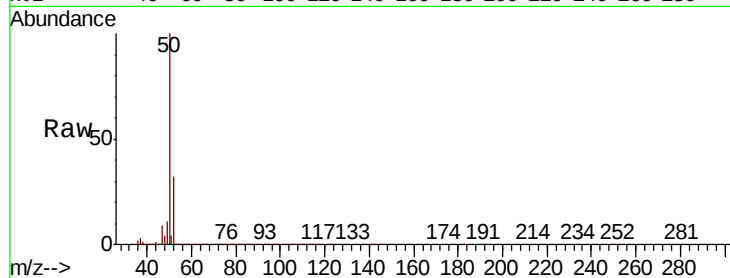
VSTDIC100

Tot Ion: 50 Resp: 1751609

Ion Ratio Lower Upper

50 100

52 32.4 25.0 37.6



#4

Vinyl Chloride

Concen: 73.618 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062366.D

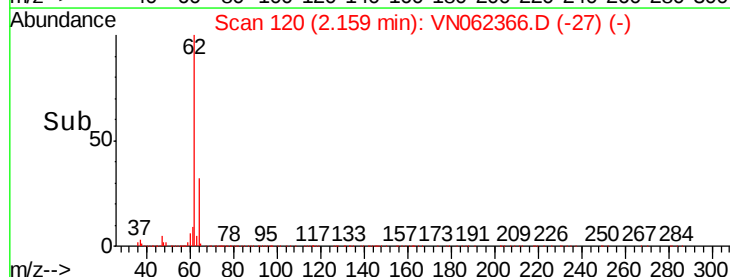
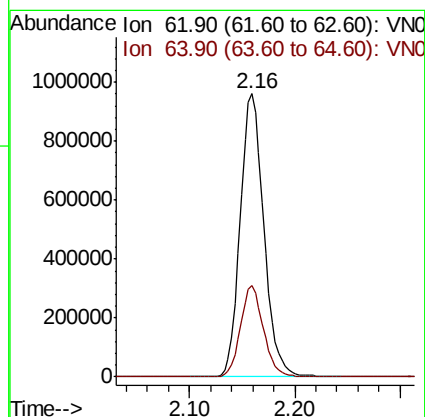
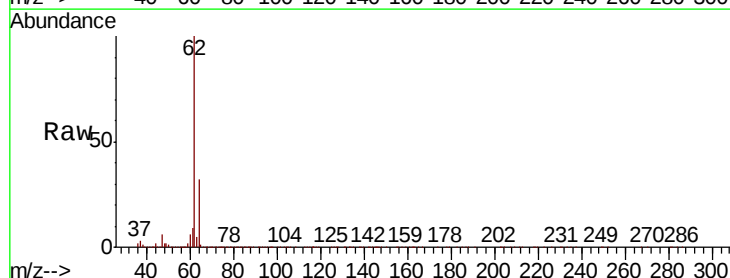
Acq: 6 Jul 2020 14:02

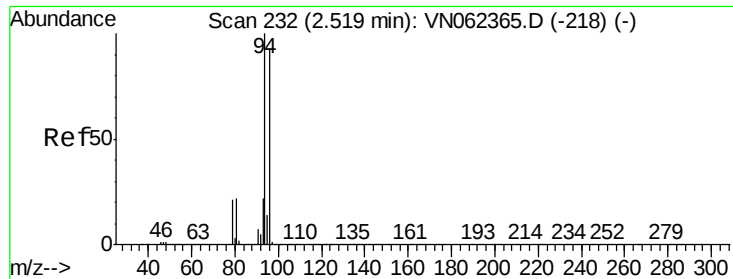
Tgt Ion: 62 Resp: 1492756

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 64.260 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.01 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

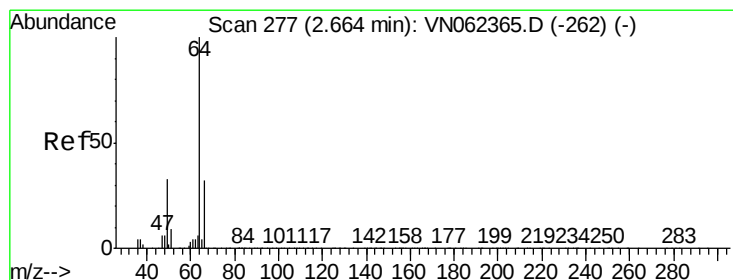
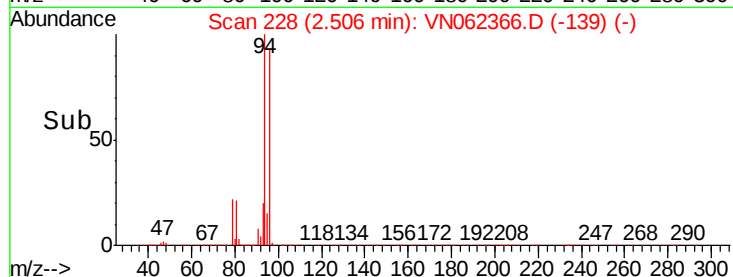
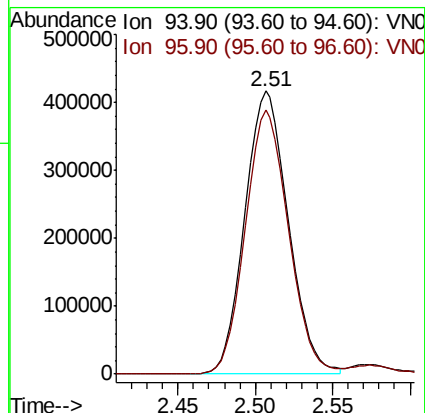
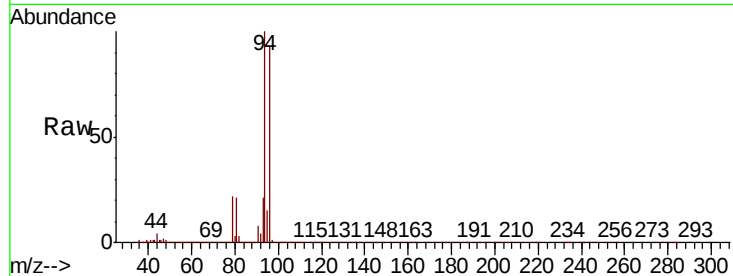
VSTDIC100

Tot Ion: 94 Resp: 815908

Ion Ratio Lower Upper

94 100

96 93.0 74.7 112.1



#6

Chloroethane

Concen: 64.853 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.01 min

Lab File: VN062366.D

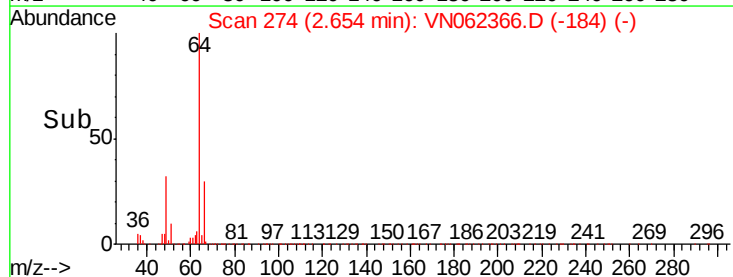
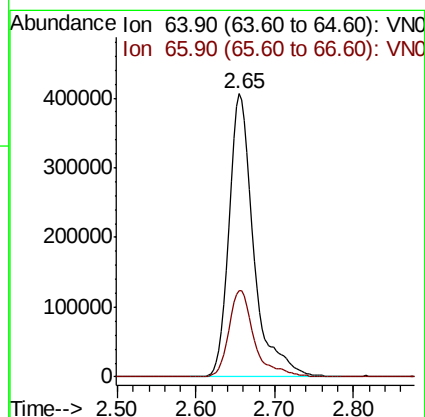
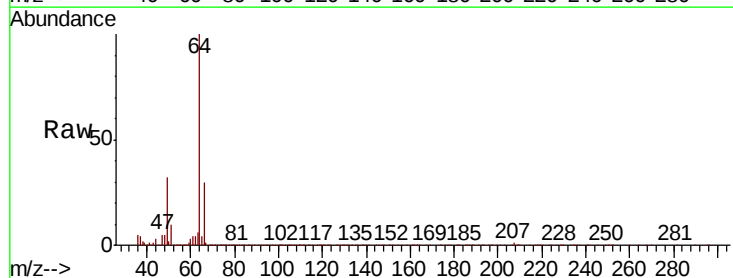
Acq: 6 Jul 2020 14:02

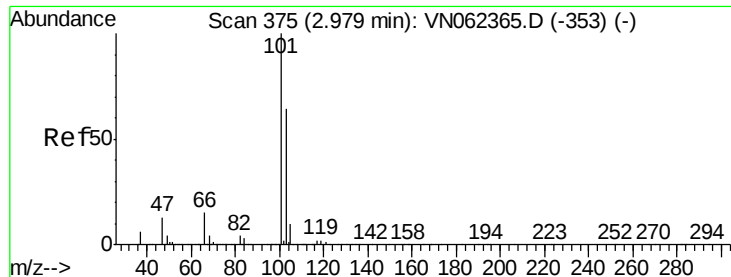
Tgt Ion: 64 Resp: 878077

Ion Ratio Lower Upper

64 100

66 30.2 25.7 38.5



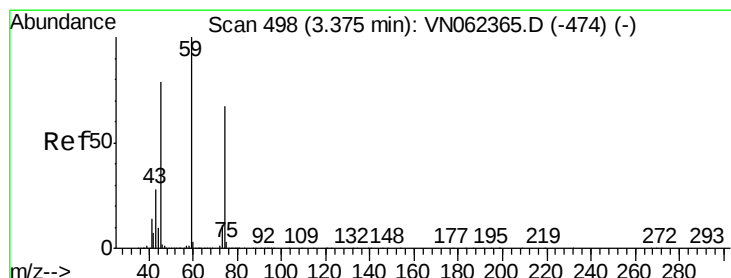
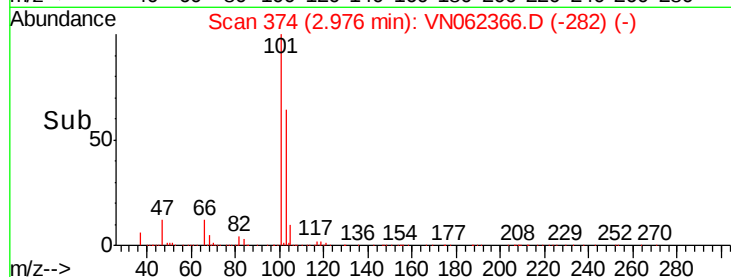
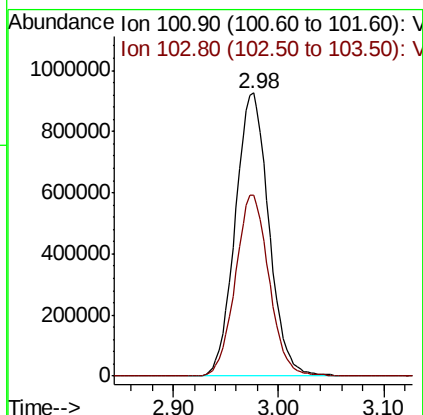
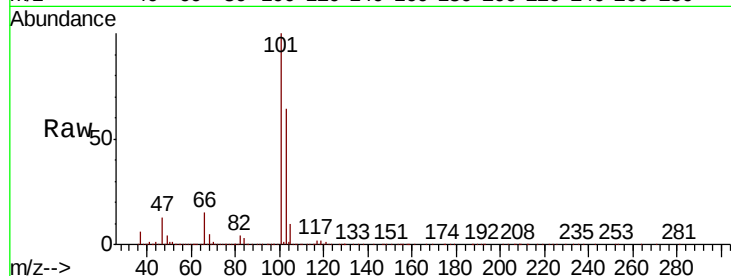


#7

Trichlorofluoromethane
Concen: 79.229 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062366.D
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MSVOA_N
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VSTDICC100

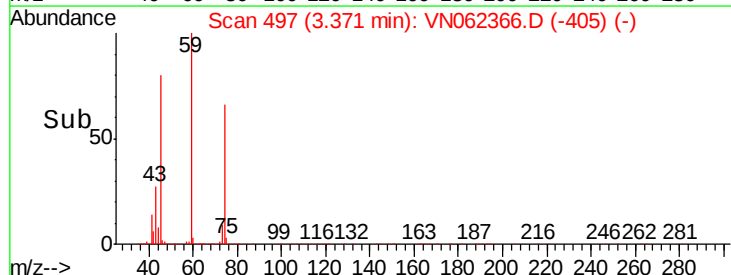
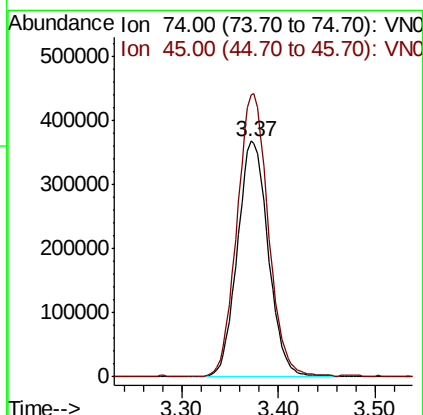
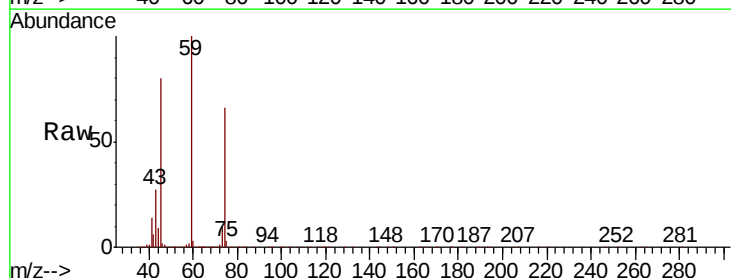
Tot Ion:101 Resp: 2049950
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6

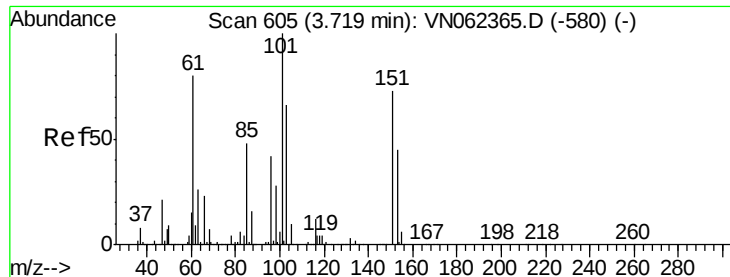


#8

Diethyl Ether
Concen: 90.447 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 74 Resp: 814647
Ion Ratio Lower Upper
74 100
45 121.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.562 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

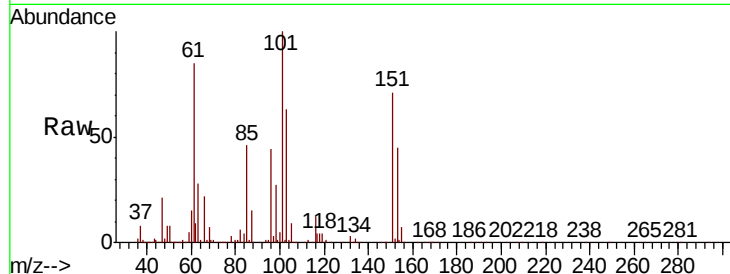
Tot Ion:101 Resp: 1147281

Ion Ratio Lower Upper

101 100

85 47.8 38.6 57.8

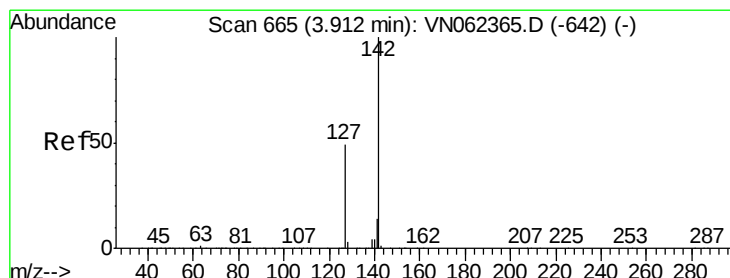
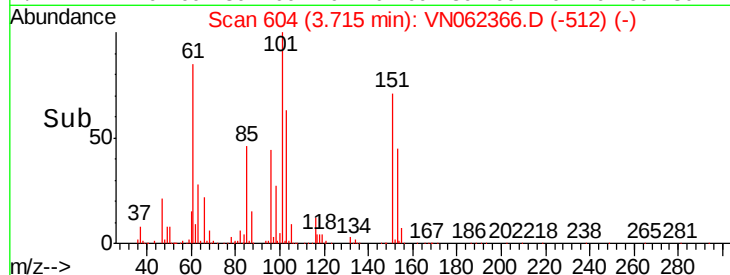
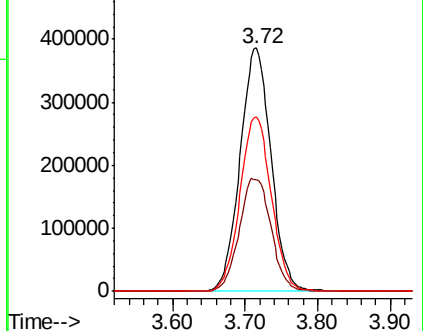
151 72.8 58.3 87.5



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: 103.918 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

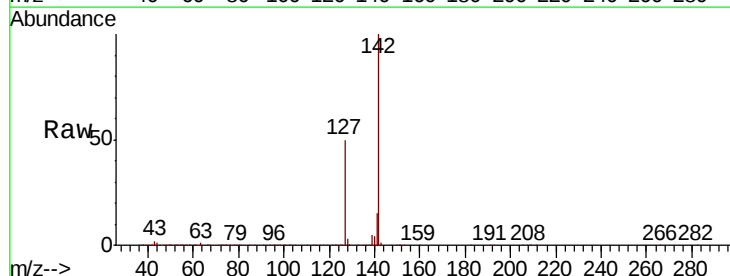
Tgt Ion:142 Resp: 1590238

Ion Ratio Lower Upper

142 100

127 49.2 41.0 61.6

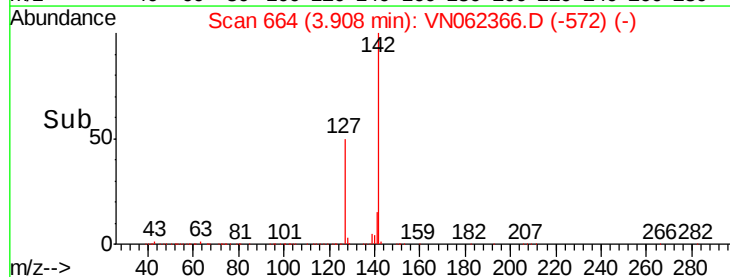
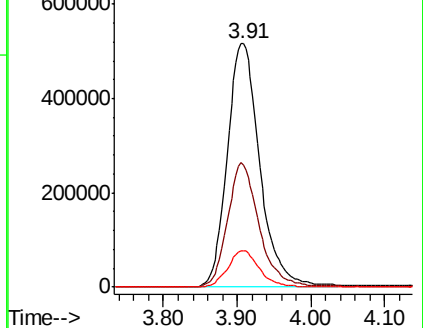
141 14.6 11.8 17.8

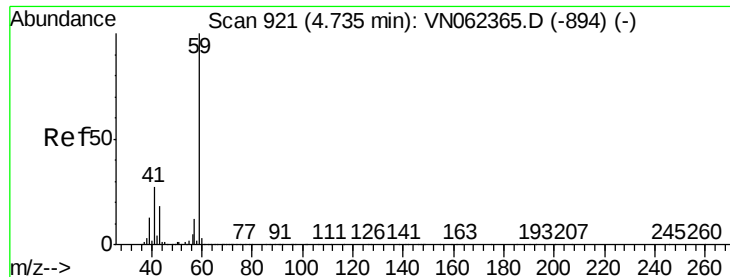


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



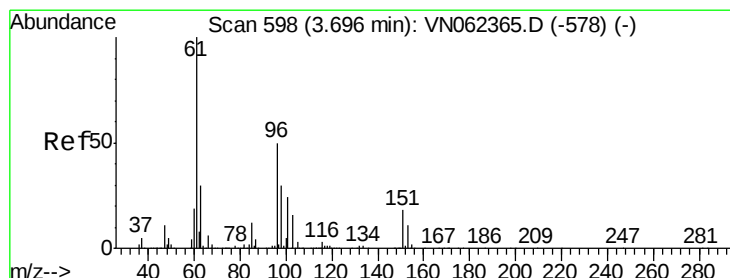
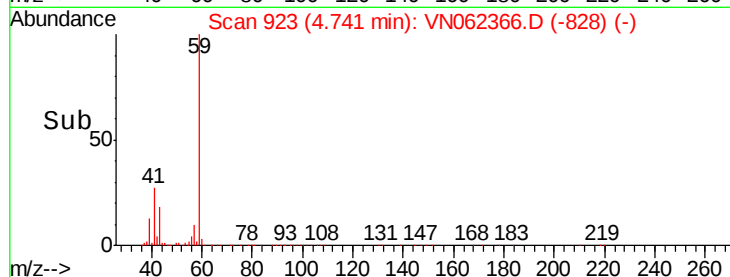
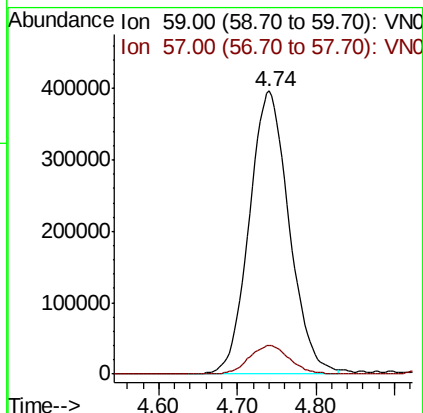
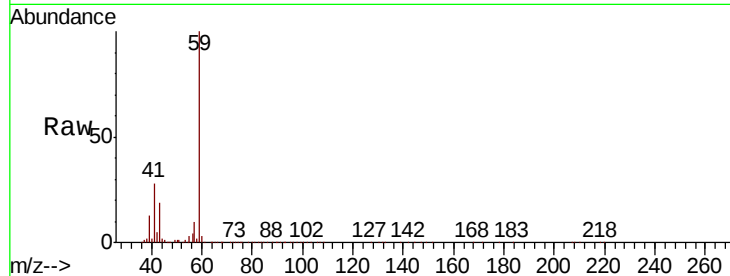


#11

Tert butyl alcohol
Concen: 562.554 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

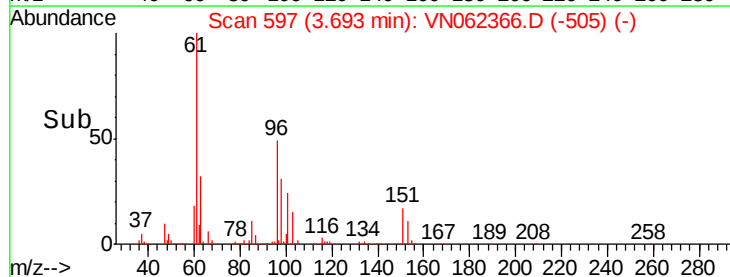
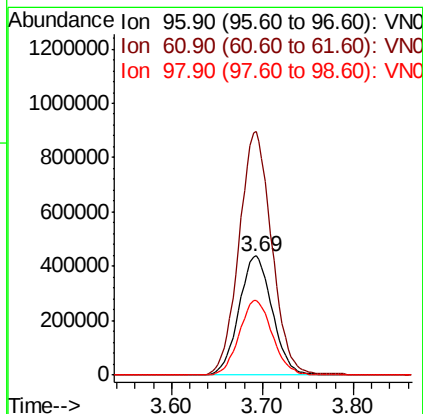
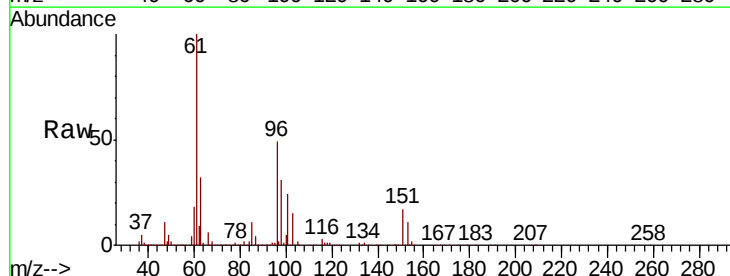
Tot Ion: 59 Resp: 1415172
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

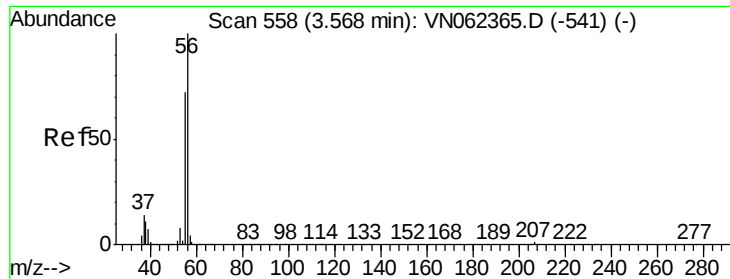


#12

1,1-Dichloroethene
Concen: 83.784 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 96 Resp: 1114959
Ion Ratio Lower Upper
96 100
61 204.0 161.4 242.0
98 62.3 48.8 73.2





#13

Acrolein

Concen: 276.989 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

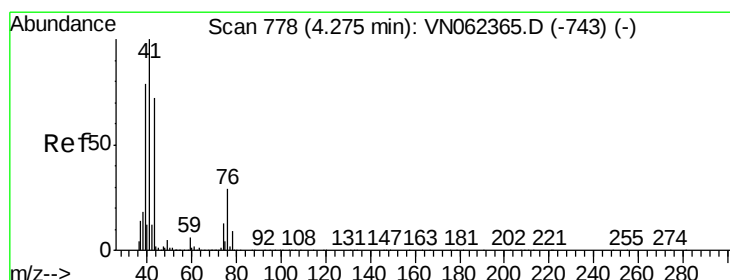
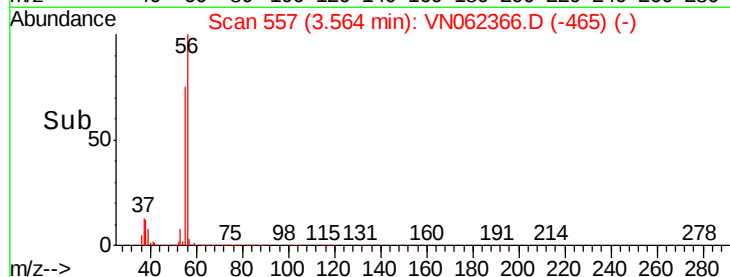
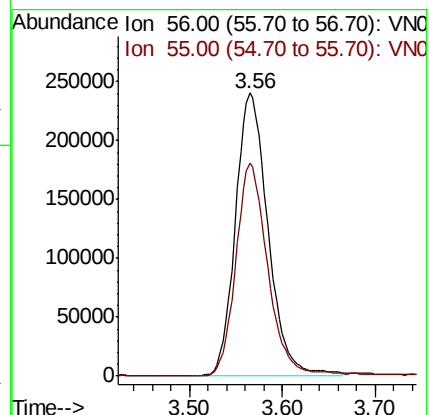
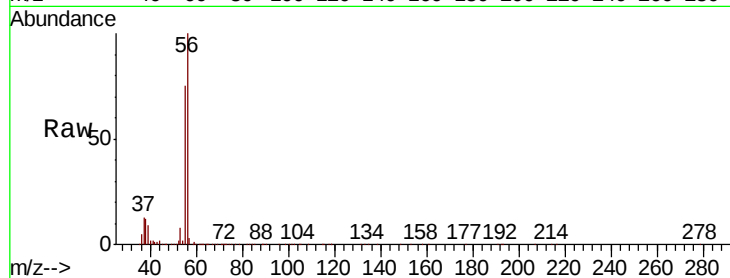
VSTDIC100

Tot Ion: 56 Resp: 584902

Ion Ratio Lower Upper

56 100

55 72.8 59.6 89.4



#14

Allyl chloride

Concen: 142.709 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

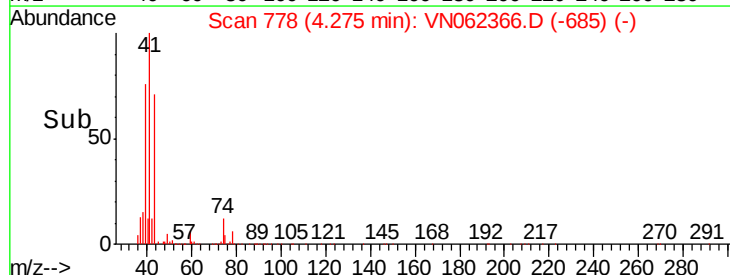
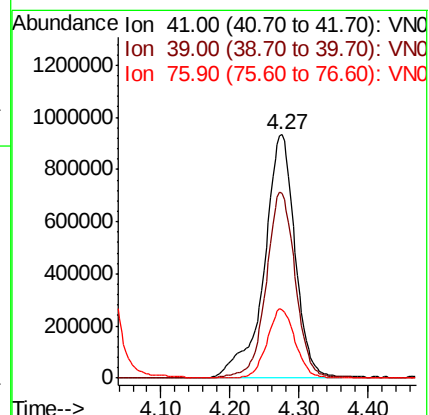
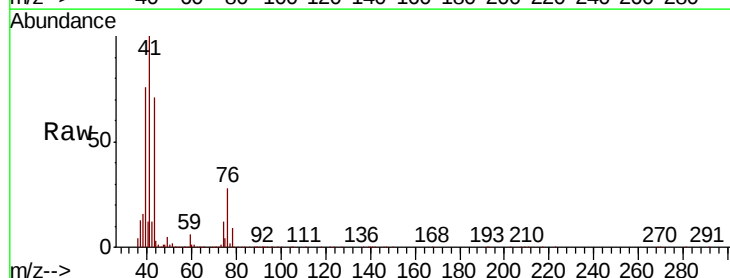
Tgt Ion: 41 Resp: 2887794

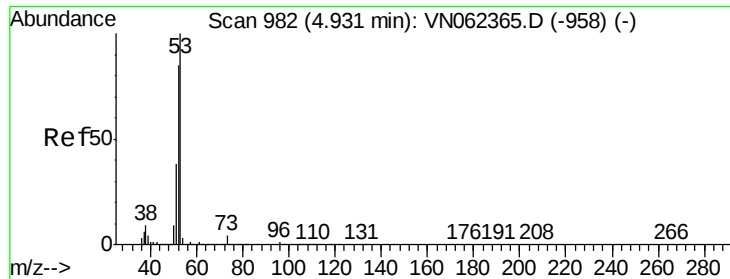
Ion Ratio Lower Upper

41 100

39 72.1 59.8 89.6

76 25.6 20.7 31.1





#15

Acrylonitrile

Concen: 572.078 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

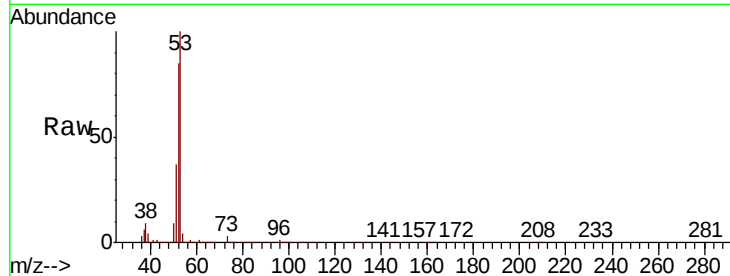
Tot Ion: 53 Resp: 3848749

Ion Ratio Lower Upper

53 100

52 83.9 67.6 101.4

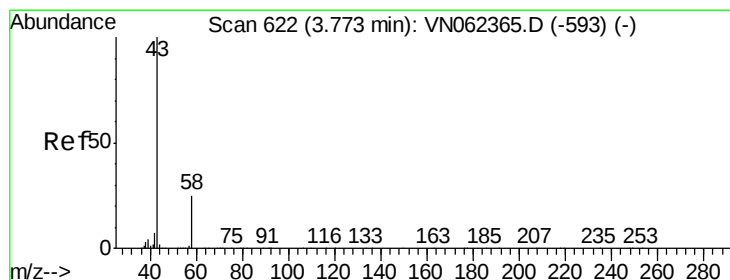
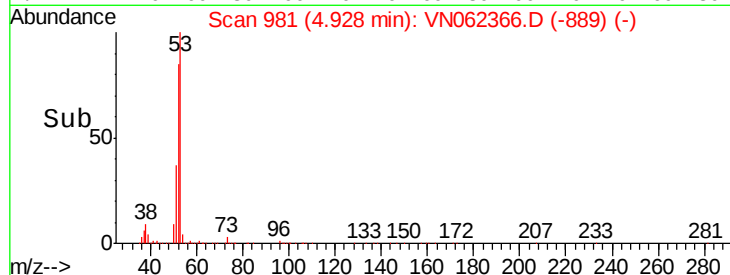
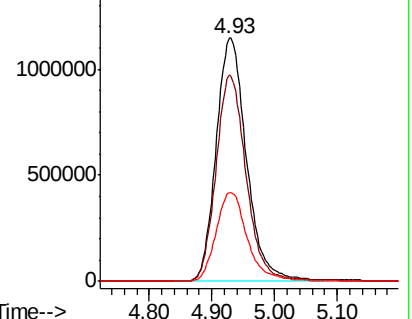
51 37.5 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VN062366.D (-889) (-)

Ion 52.00 (51.70 to 52.70): VN062366.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VN062366.D (-889) (-)



#16

Acetone

Concen: 693.127 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062366.D

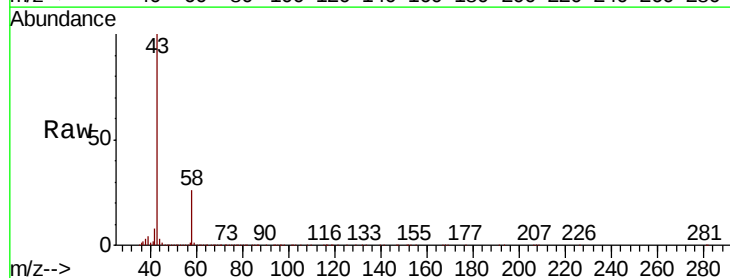
Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 4534502

Ion Ratio Lower Upper

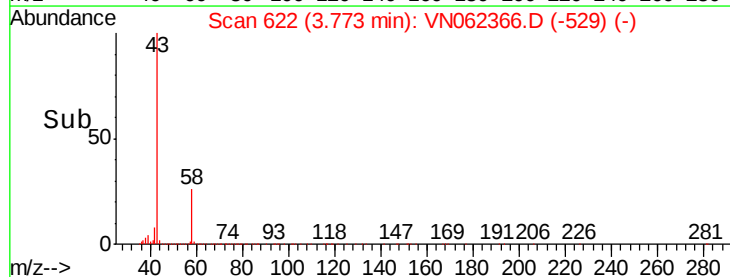
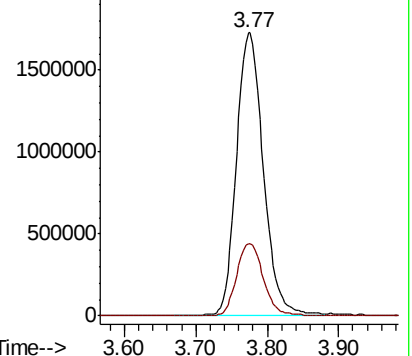
43 100

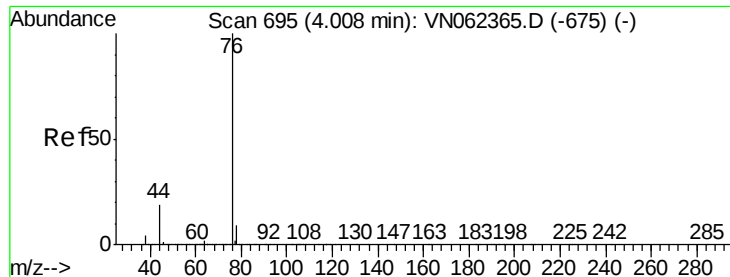
58 25.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062366.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062366.D (-529) (-)

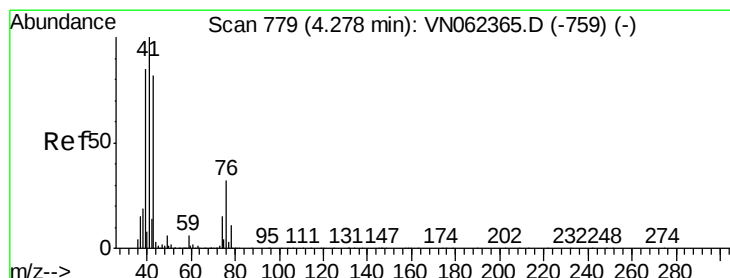
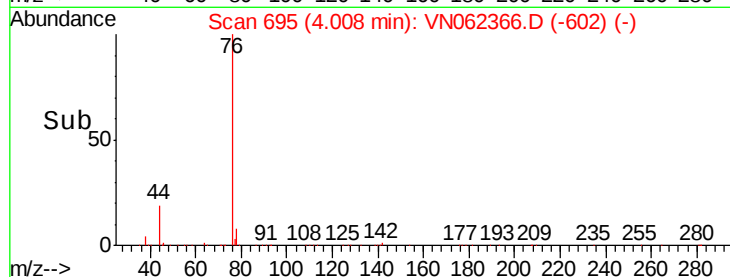
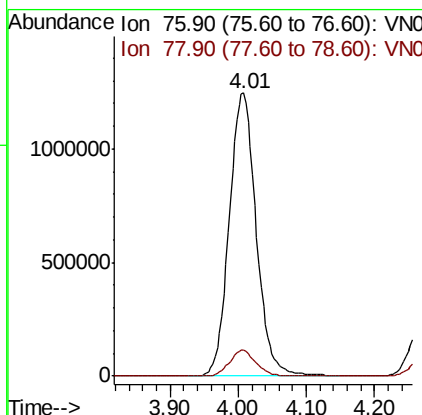
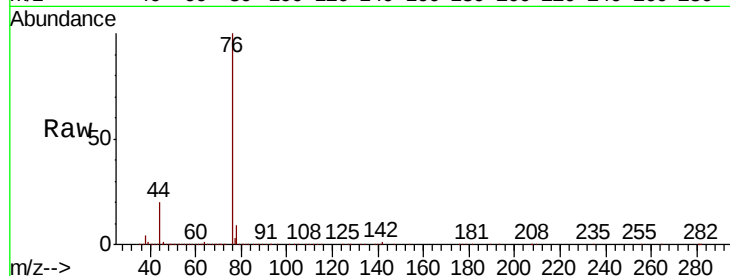




#17
Carbon Disulfide
Concen: 80.559 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

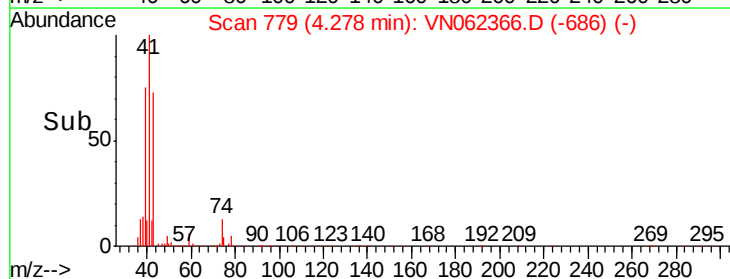
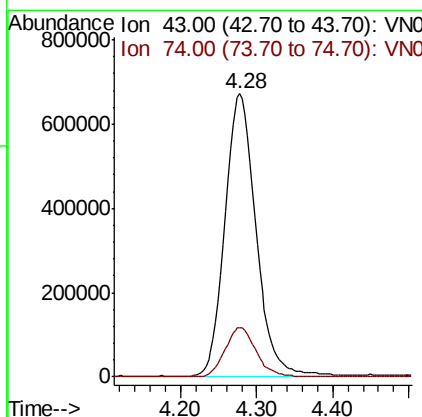
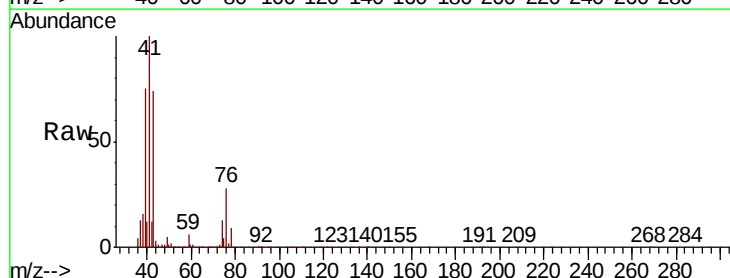
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

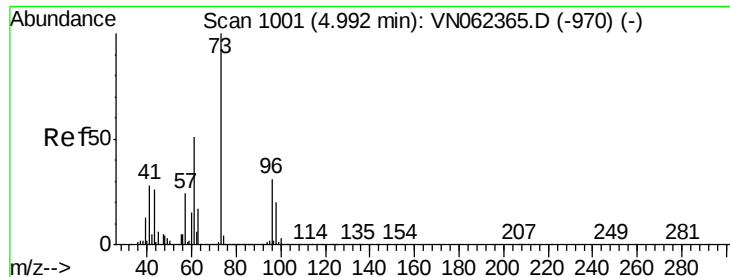
Tot Ion: 76 Resp: 3423527
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 131.962 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 1902852
Ion Ratio Lower Upper
43 100
74 17.6 14.2 21.4

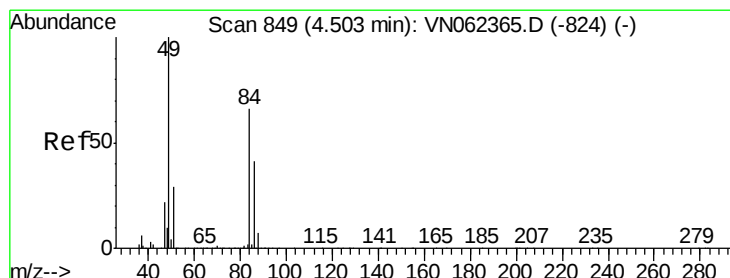
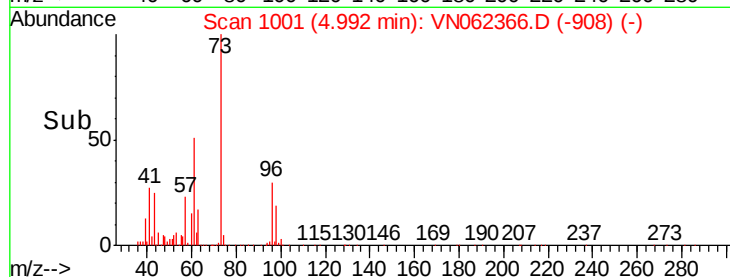
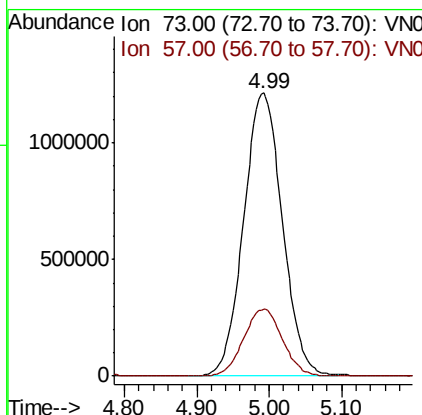
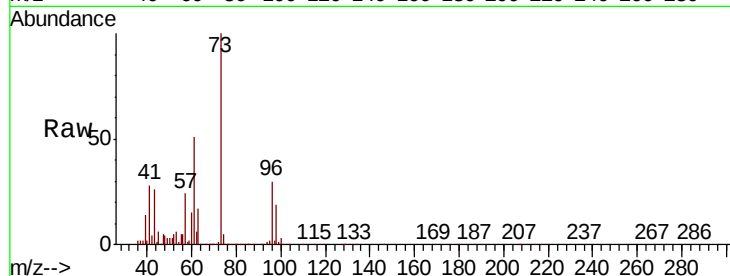




#19
Methvl tert-butvl Ether
Concen: 102.829 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

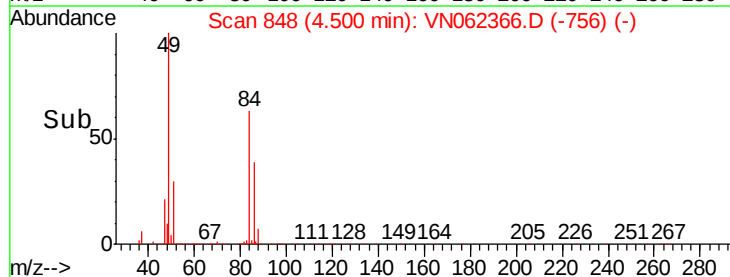
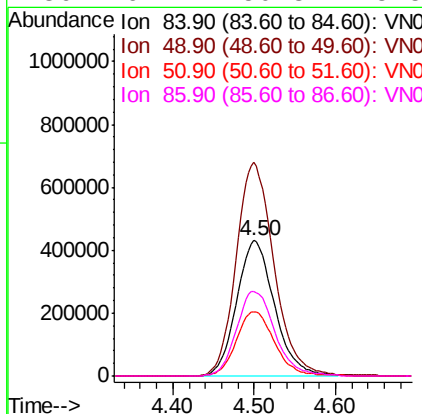
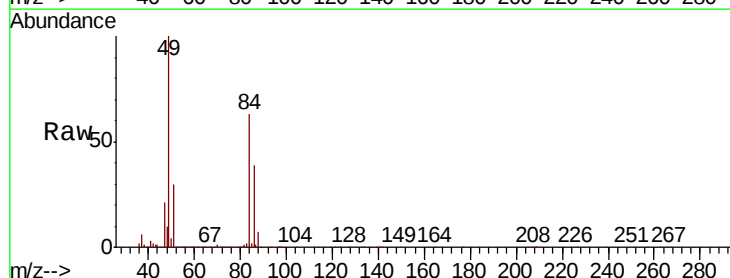
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

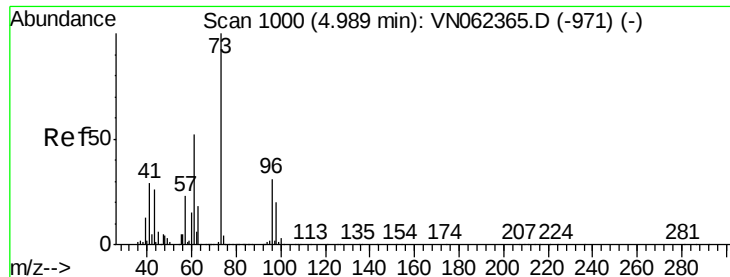
Tot Ion: 73 Resp: 4506494
Ion Ratio Lower Upper
73 100
57 23.6 18.9 28.3



#20
Methylene Chloride
Concen: 83.919 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 84 Resp: 1385120
Ion Ratio Lower Upper
84 100
49 157.4 121.8 182.6
51 47.4 35.0 52.4
86 62.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 81.963 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

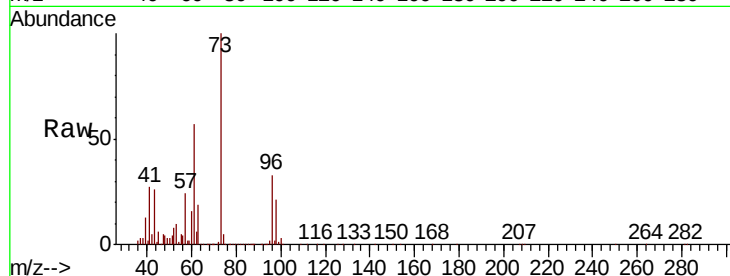
Tot Ion: 96 Resp: 1236868

Ion Ratio Lower Upper

96 100

61 169.7 134.7 202.1

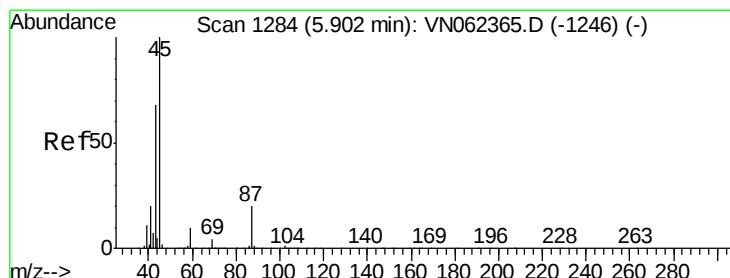
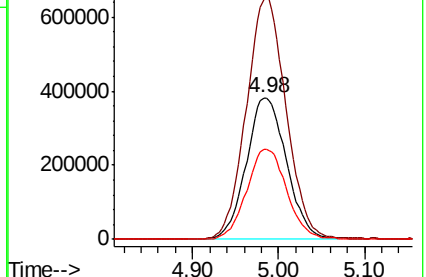
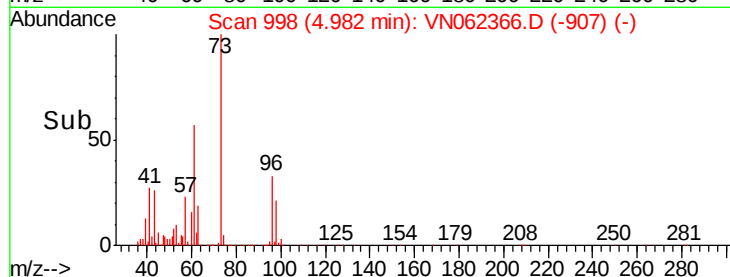
98 63.7 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VN062366.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN062366.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN062366.D (-907) (-)



#22

Diisopropyl ether

Concen: 128.384 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion: 45 Resp: 5790479

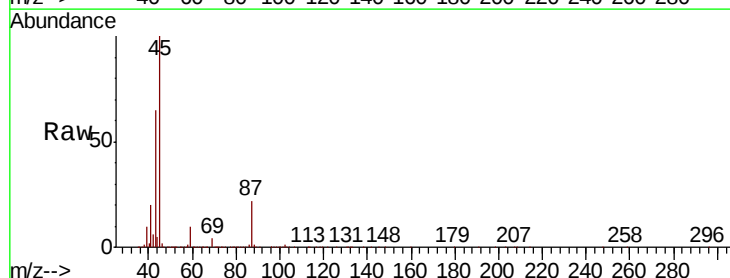
Ion Ratio Lower Upper

45 100

43 64.9 54.6 81.8

87 21.7 16.6 24.8

59 9.9 7.7 11.5

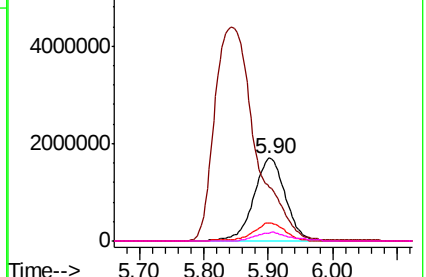
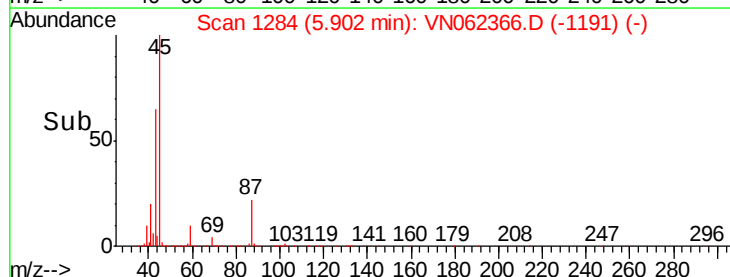


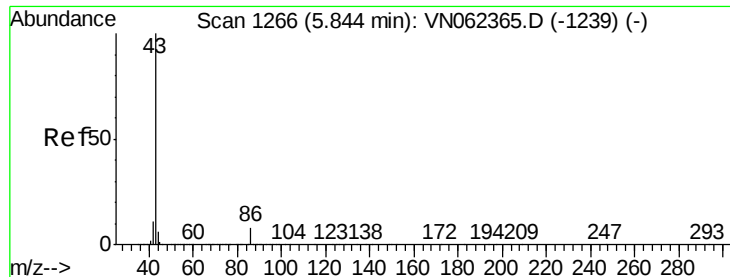
Abundance Ion 45.00 (44.70 to 45.70): VN062366.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062366.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062366.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062366.D (-1191) (-)





#23

Vinyl Acetate

Concen: 525.388 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

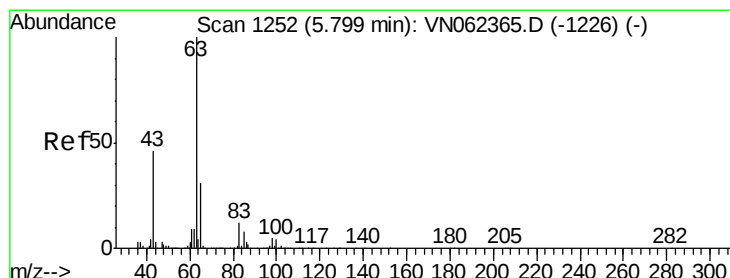
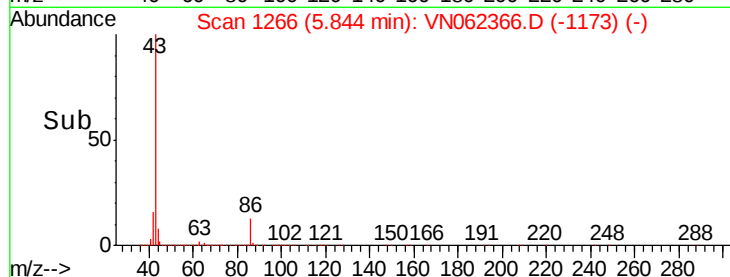
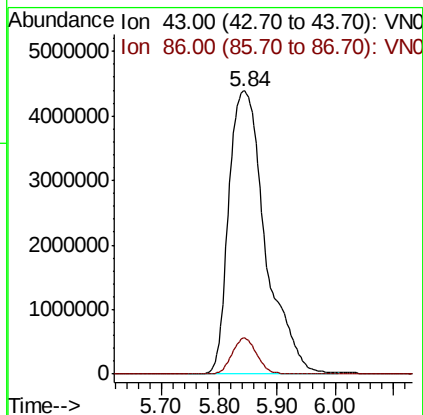
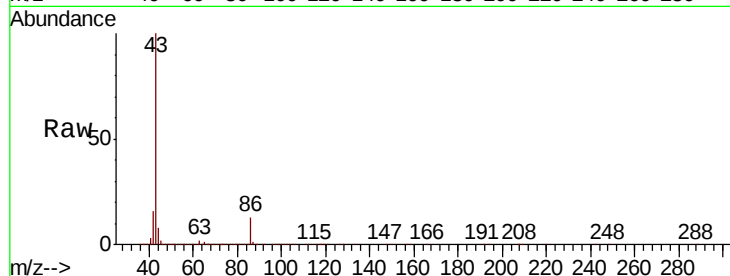
VSTDIC100

Tot Ion: 43 Resp:19287806

Ion Ratio Lower Upper

43 100

86 12.7 6.6 9.8#



#24

1,1-Dichloroethane

Concen: 99.932 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

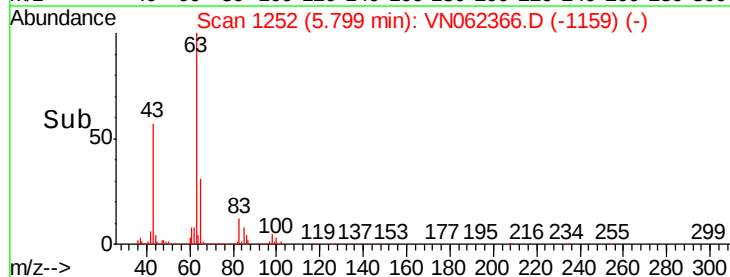
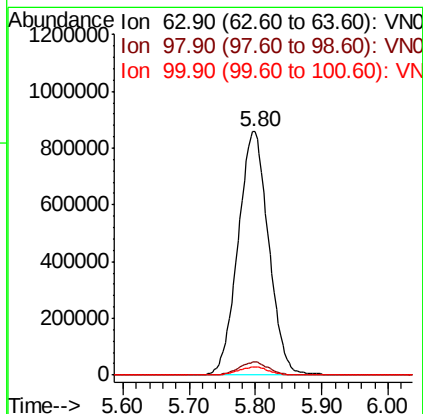
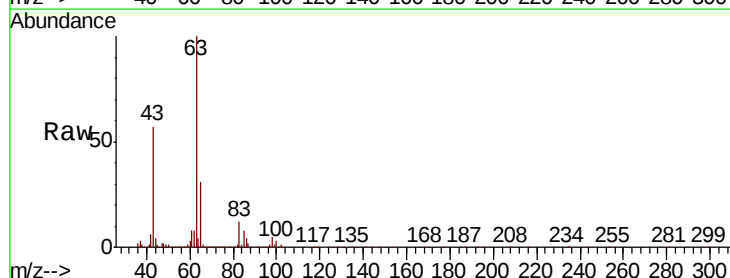
Tgt Ion: 63 Resp: 2748725

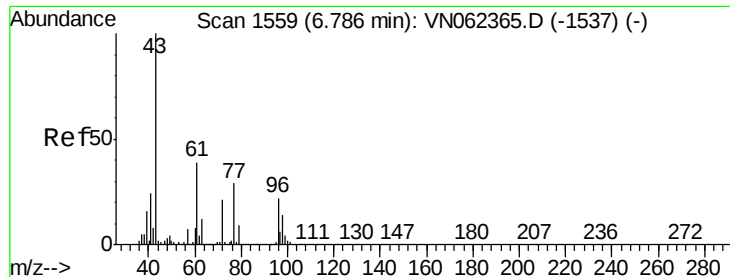
Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 689.944 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

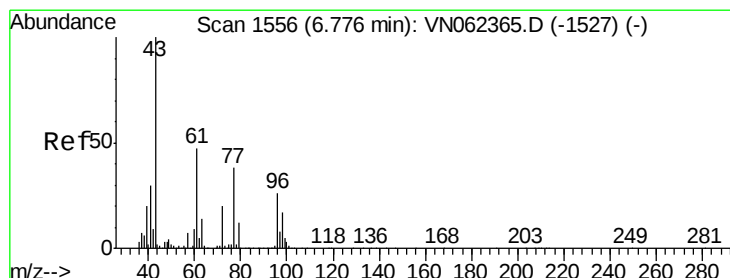
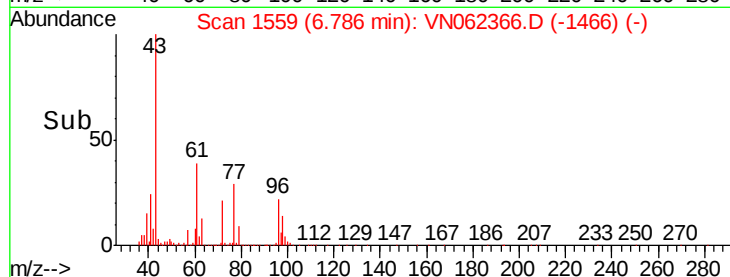
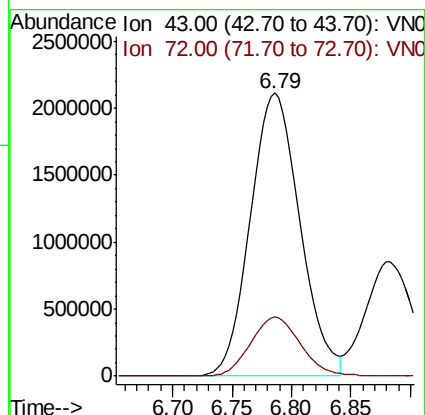
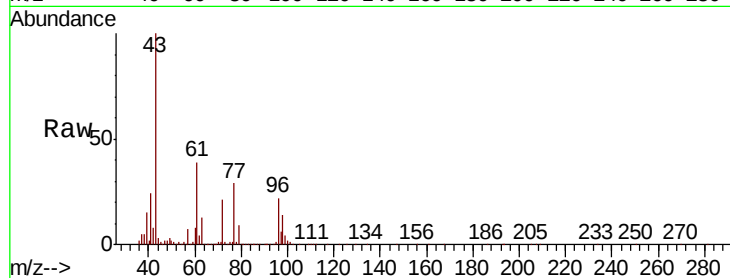
VSTDIC100

Tot Ion: 43 Resp: 6101193

Ion Ratio Lower Upper

43 100

72 20.8 16.4 24.6



#26

2,2-Dichloropropane

Concen: 100.402 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062366.D

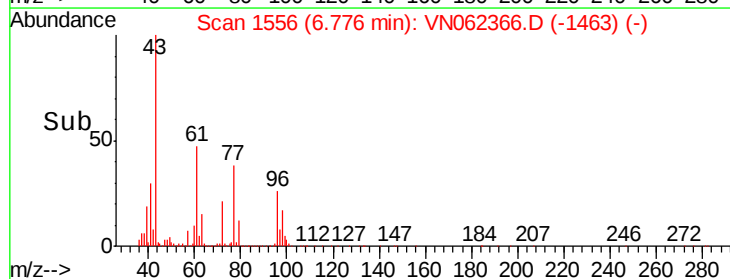
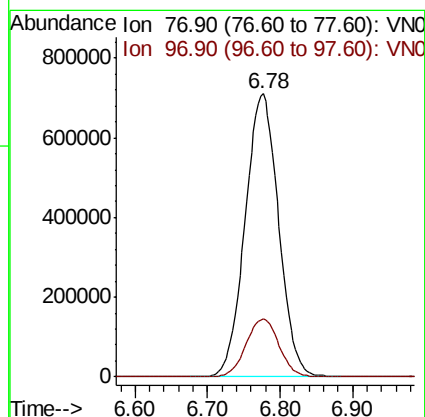
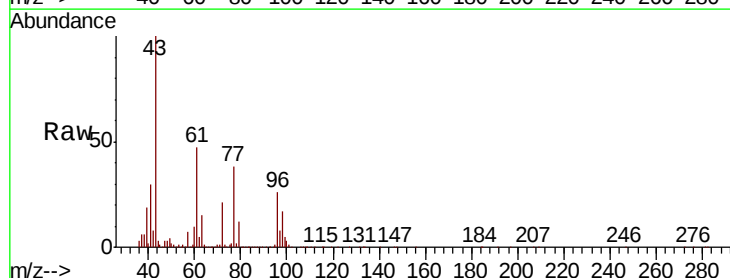
Acq: 6 Jul 2020 14:02

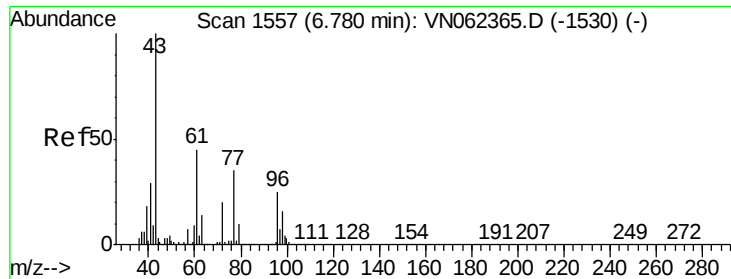
Tgt Ion: 77 Resp: 2282751

Ion Ratio Lower Upper

77 100

97 20.3 10.1 30.1



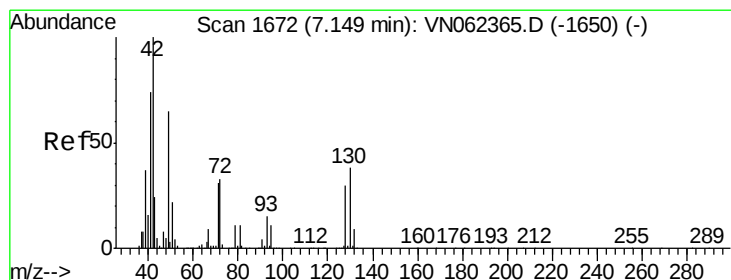
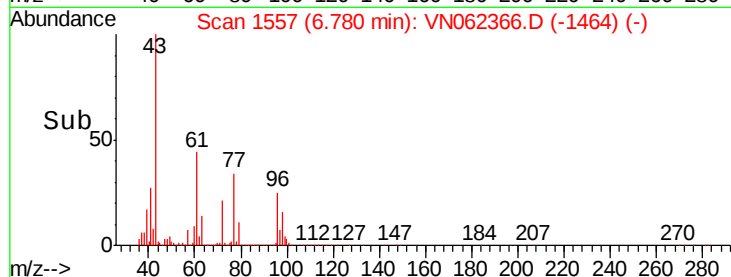
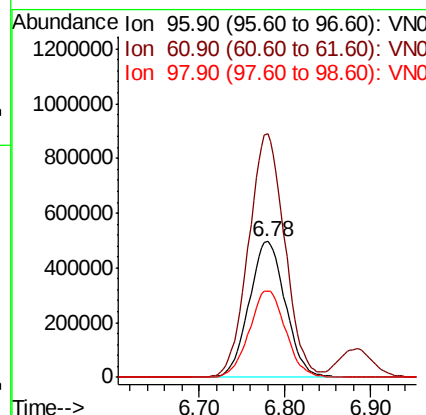
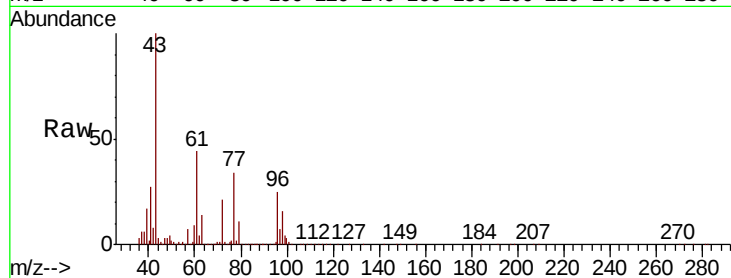


#27
 cis-1,2-Dichloroethene
 Concen: 85.394 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 96 Resp: 1457233

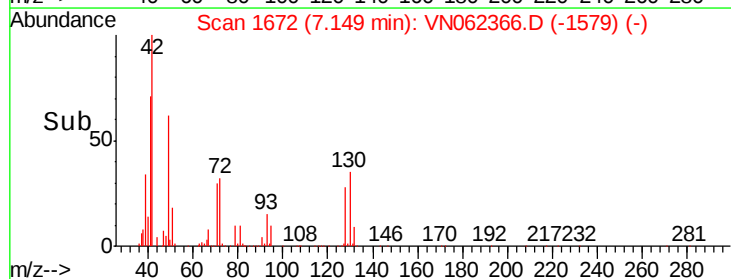
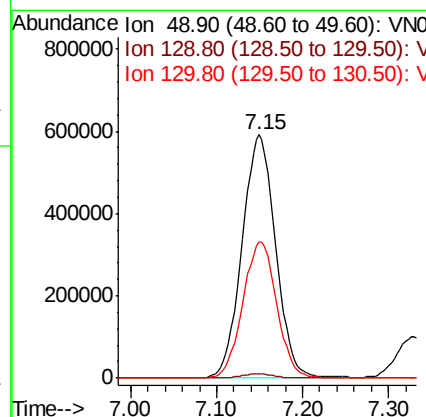
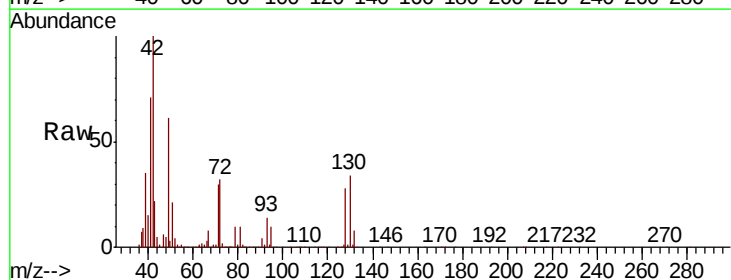
Ion	Ratio	Lower	Upper
96	100		
61	178.6	0.0	358.8
98	63.9	0.0	130.6

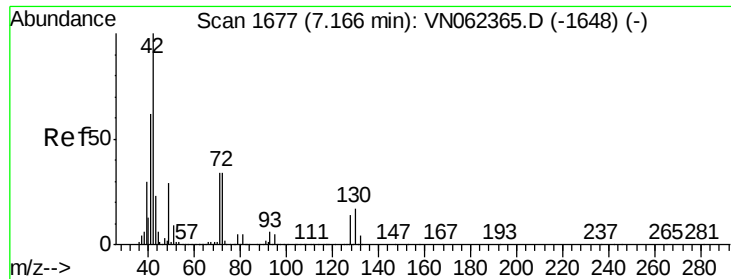


#28
 Bromochloromethane
 Concen: 126.480 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 49 Resp: 1600534

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	56.7	45.8	68.8





#29

Tetrahydrofuran

Concen: 686.928 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

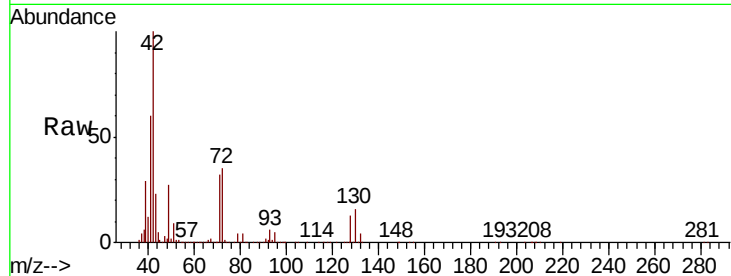
Tot Ion: 42 Resp: 3968442

Ion Ratio Lower Upper

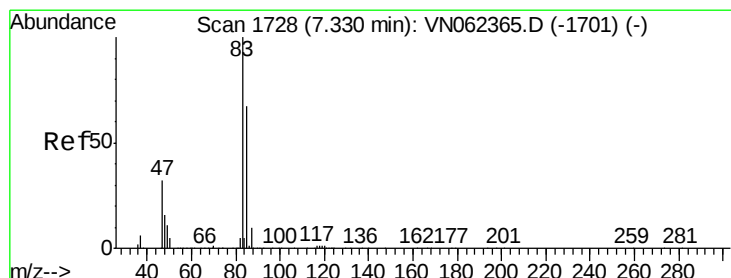
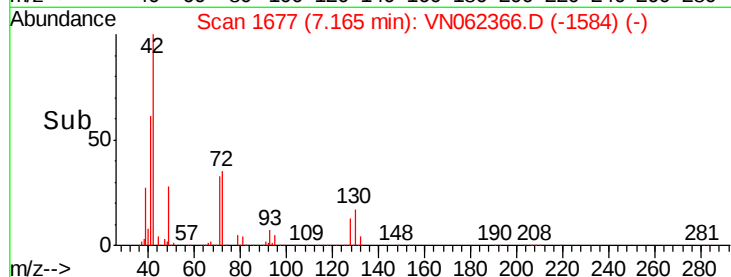
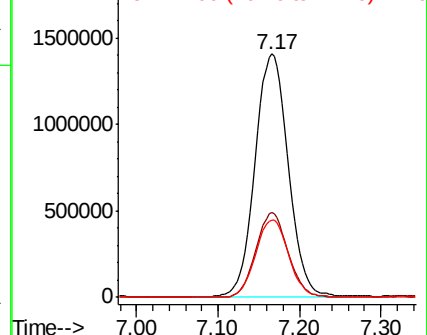
42 100

72 33.6 26.8 40.2

71 31.7 26.0 39.0



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO



#30

Chloroform

Concen: 95.232 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062366.D

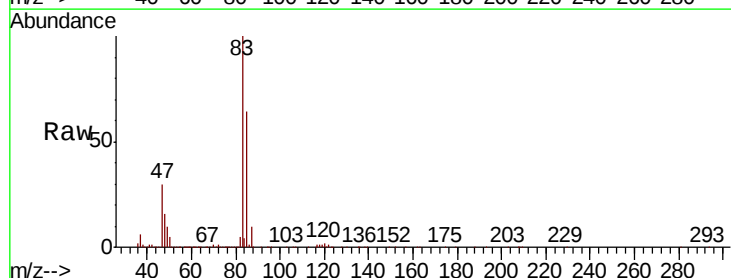
Acq: 6 Jul 2020 14:02

Tgt Ion: 83 Resp: 2631753

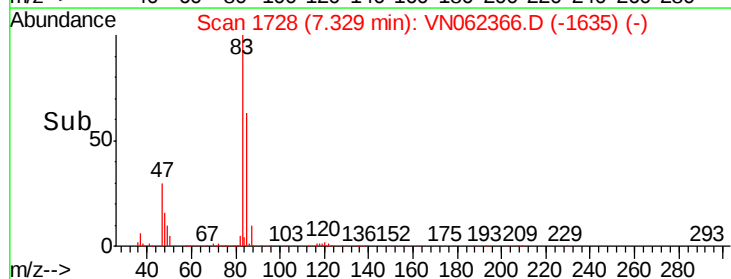
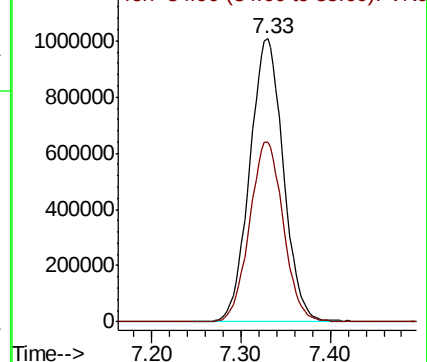
Ion Ratio Lower Upper

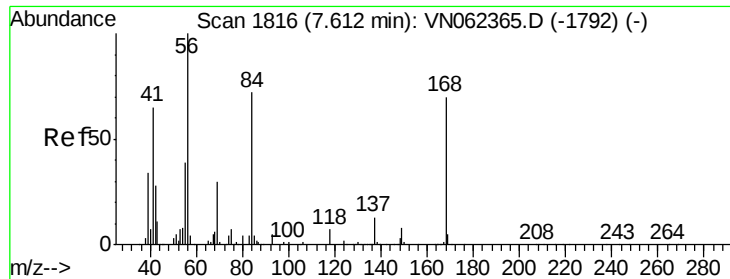
83 100

85 63.6 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO

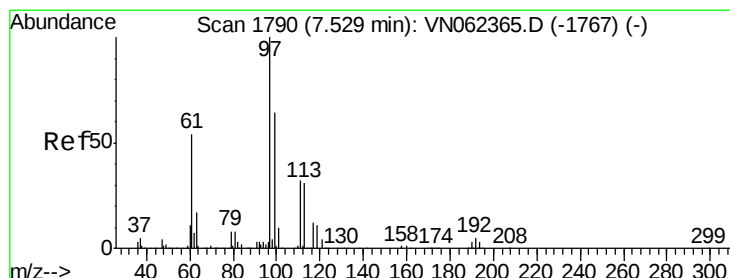
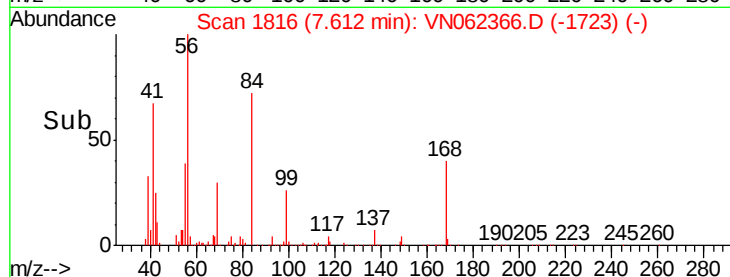
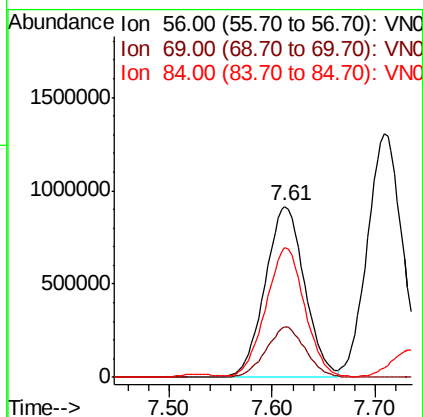
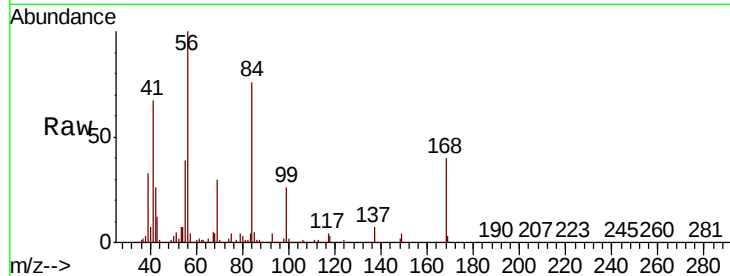




#31
Cyclohexane
Concen: 103.255 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

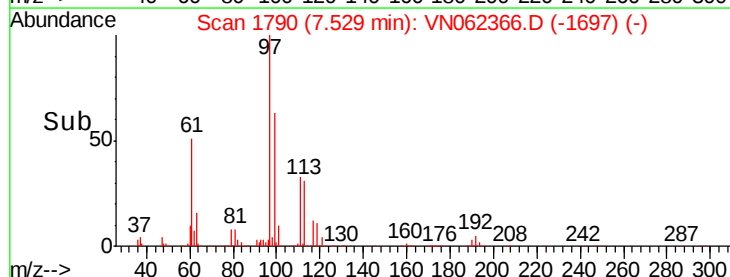
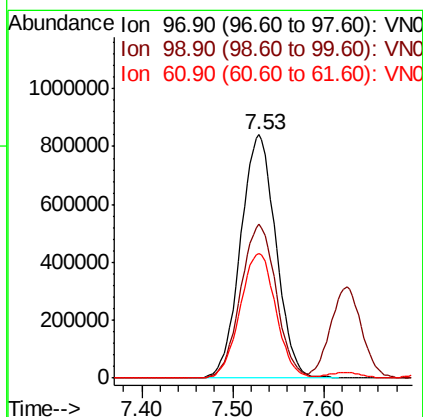
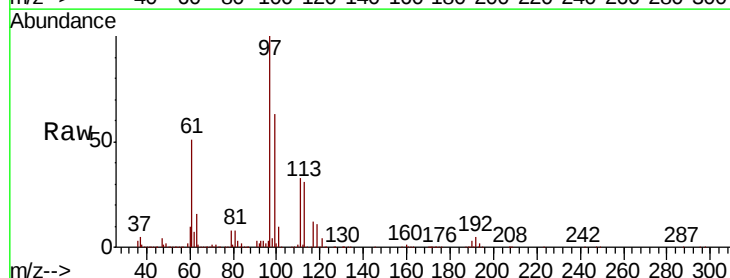
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

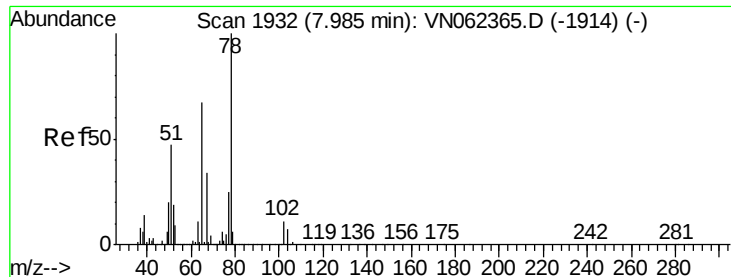
Tot Ion: 56 Resp: 2438729
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 74.2 57.2 85.8



#32
1,1,1-Trichloroethane
Concen: 97.069 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 97 Resp: 2261196
Ion Ratio Lower Upper
97 100
99 63.7 51.1 76.7
61 51.9 42.5 63.7





#33

1,2-Dichloroethane-d4

Concen: 111.489 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

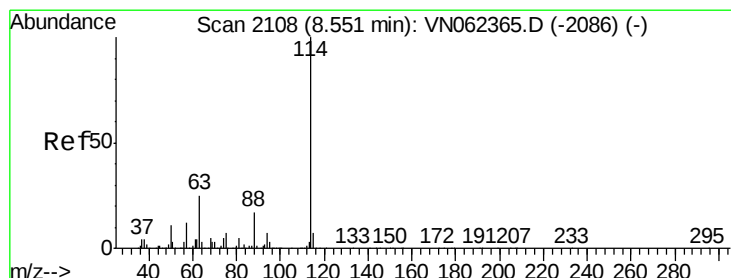
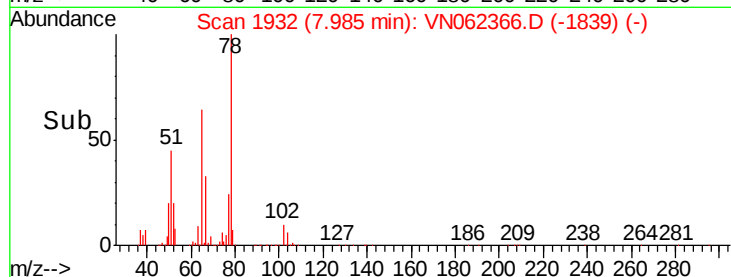
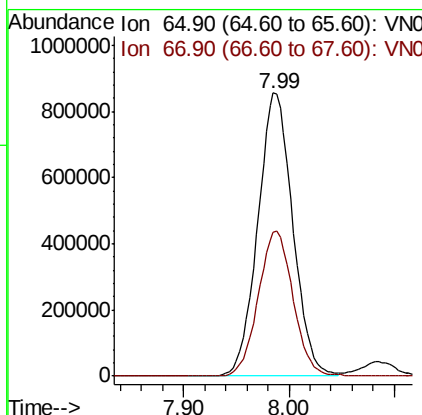
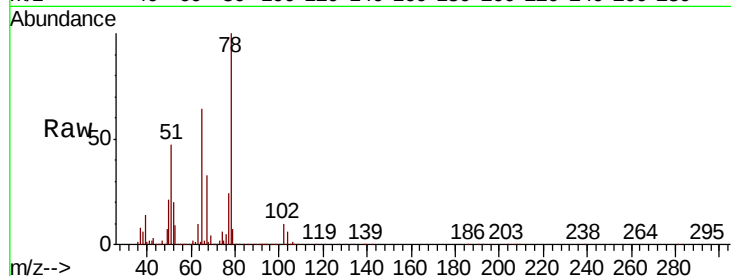
Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 65 Resp: 1973723

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

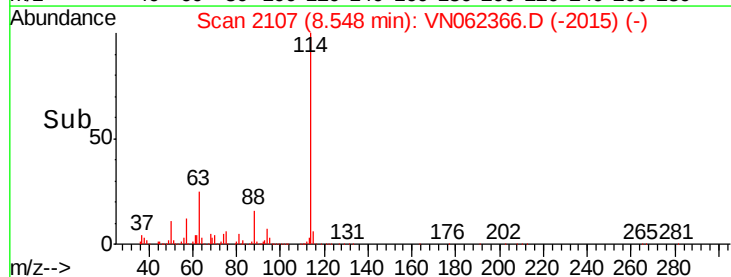
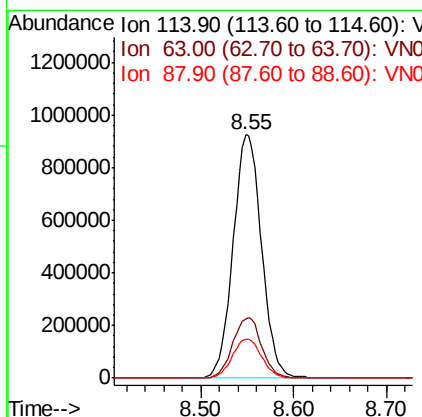
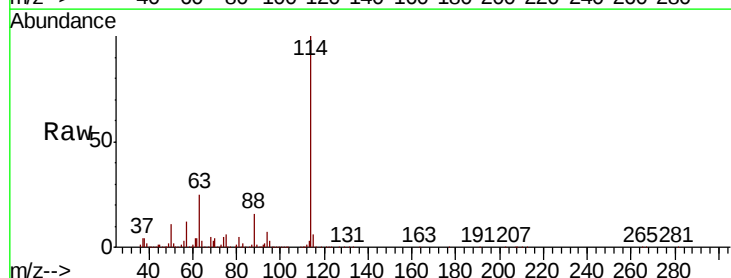
Delta R.T. -0.00 min

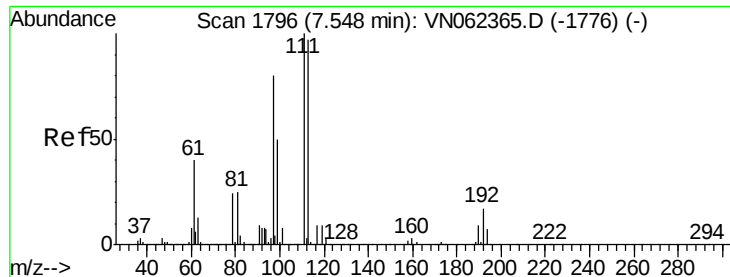
Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion: 114 Resp: 1963404

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.0
88	16.0	0.0	34.0

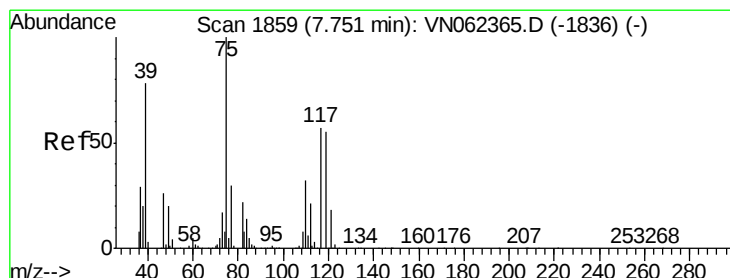
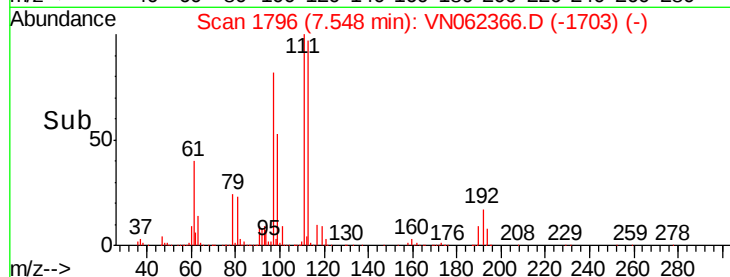
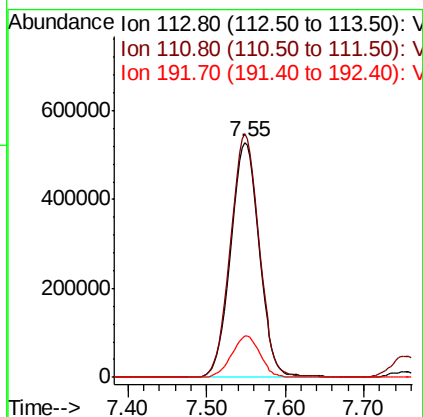
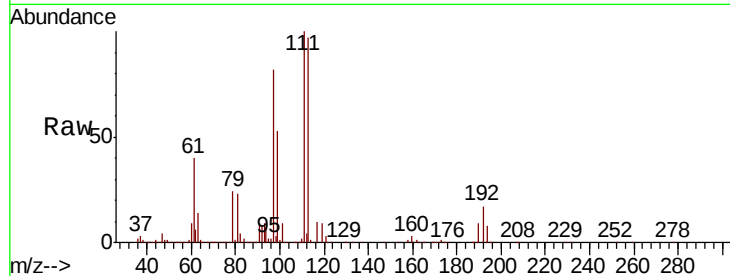




#35
 Dibromofluoromethane
 Concen: 102.247 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

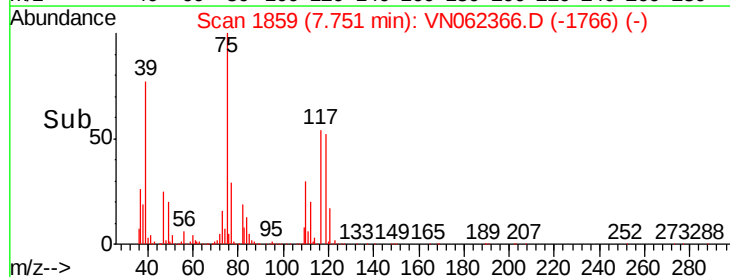
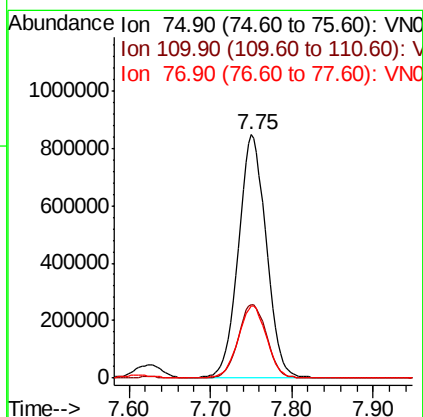
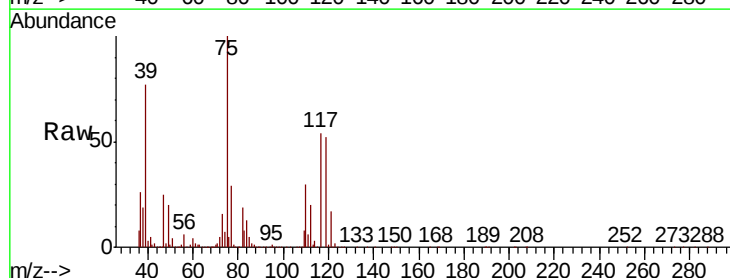
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

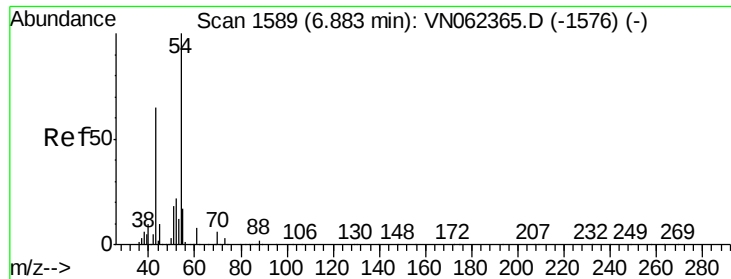
Tot Ion:113 Resp: 1333812
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.2 124.8
 192 17.4 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 99.225 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 75 Resp: 1985306
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.7 47.1
 77 30.5 24.3 36.5



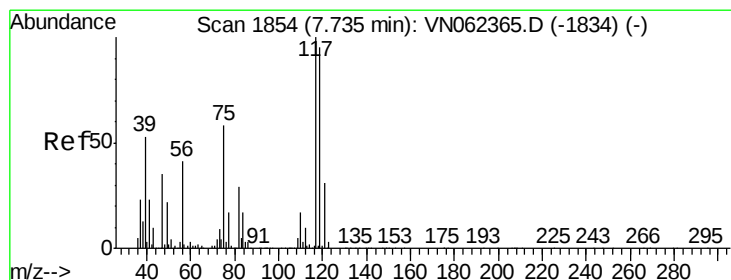
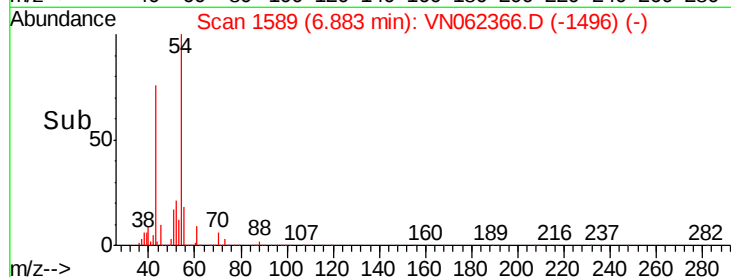
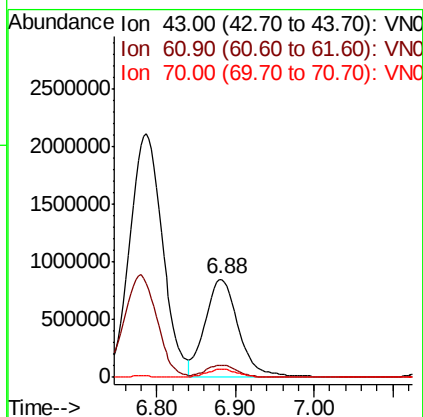
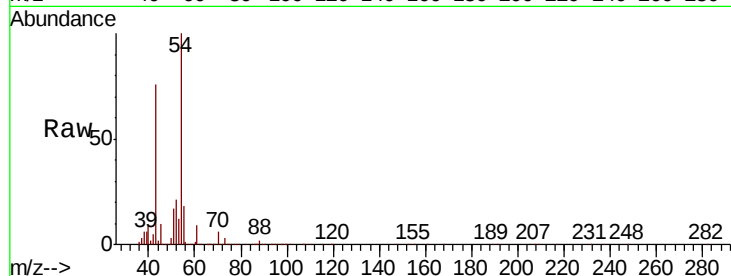


#37
Ethyl Acetate
Concen: 137.591 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 2478682

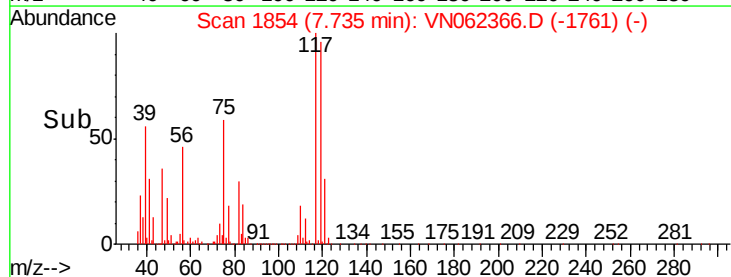
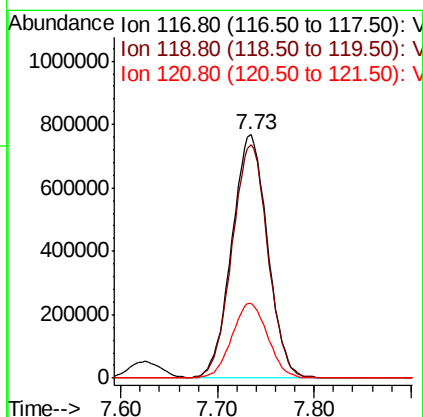
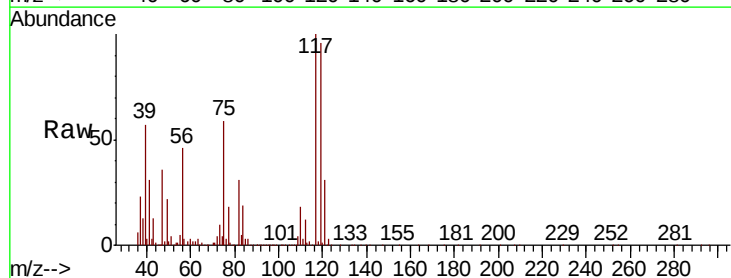
Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	7.6	6.2	9.4

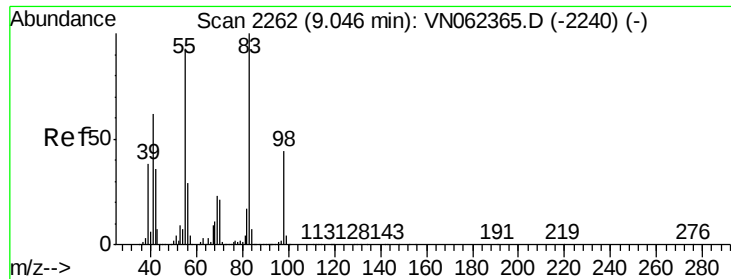


#38
Carbon Tetrachloride
Concen: 103.063 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 117 Resp: 1966015

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.9	113.9
121	30.8	24.6	36.8



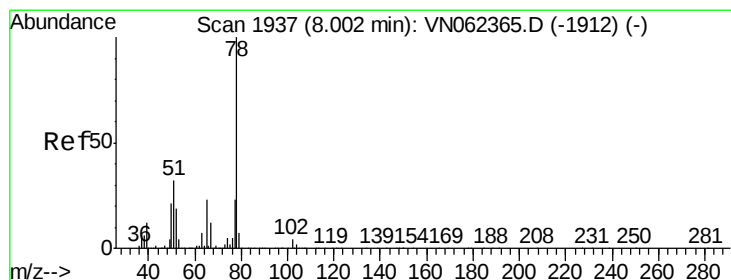
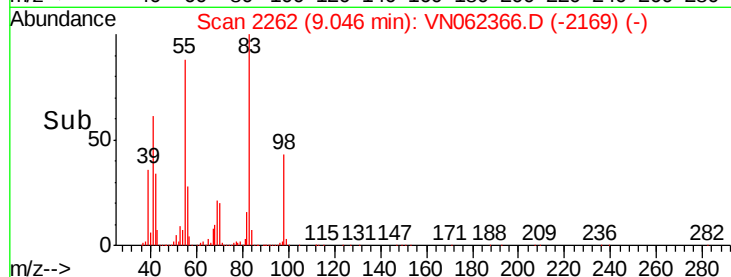
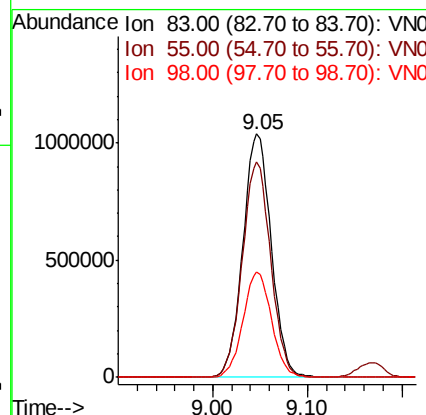
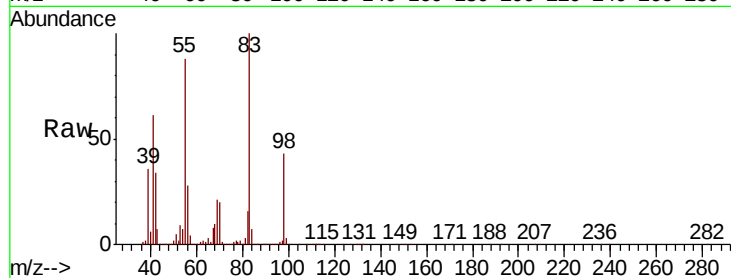


#39
Methvlcvclohexane
Concen: 99.191 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 2162812

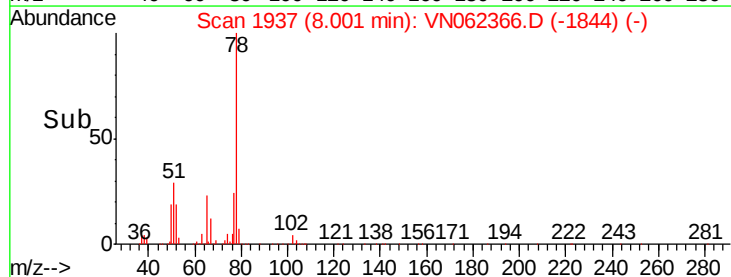
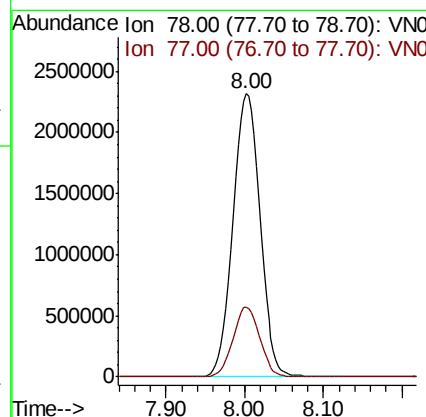
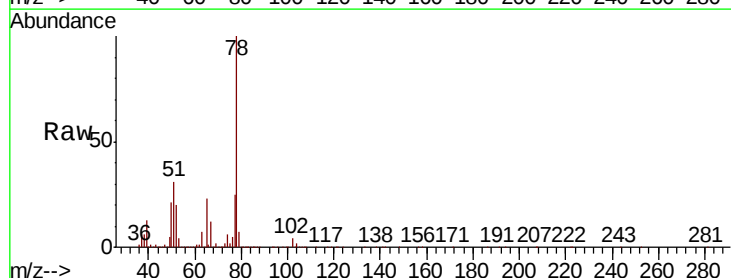
Ion	Ratio	Lower	Upper
83	100		
55	88.2	74.1	111.1
98	43.0	35.6	53.4

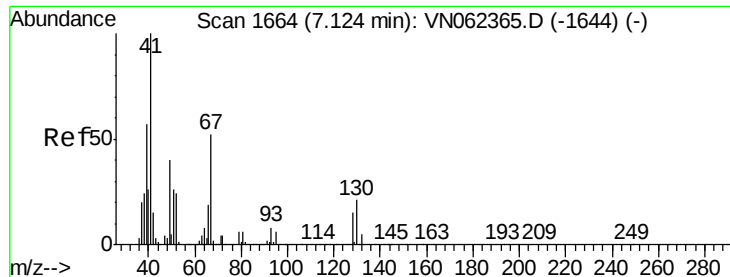


#40
Benzene
Concen: 91.961 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 78 Resp: 5556337

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0



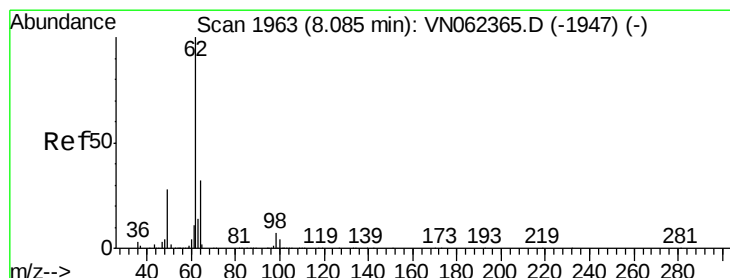
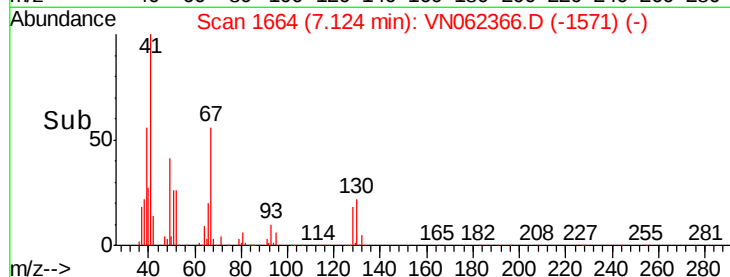
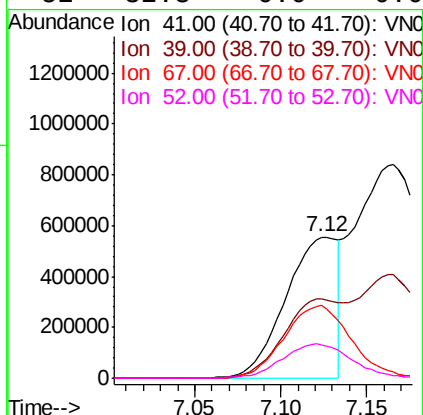
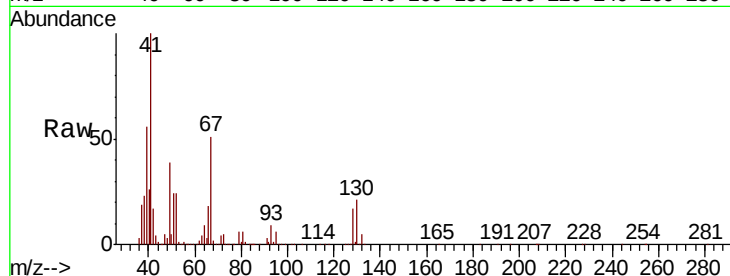


#41
Methacrylonitrile
Concen: 142.600 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1165607

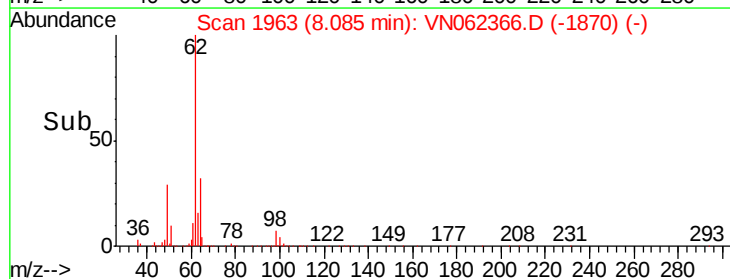
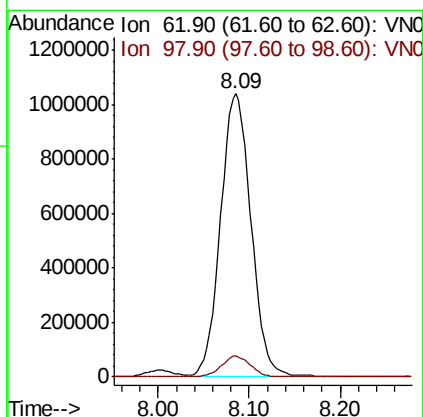
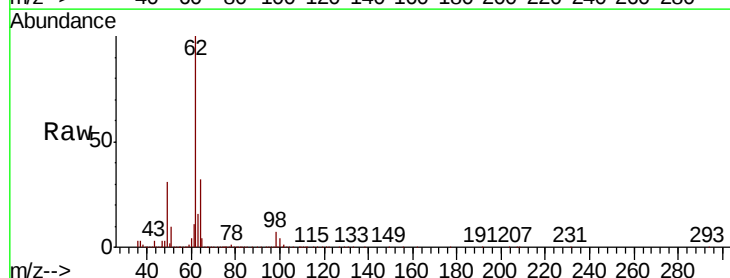
Ion	Ratio	Lower	Upper
41	100		
39	61.8	0.0	0.0#
67	67.1	0.0	0.0#
52	32.3	0.0	0.0#

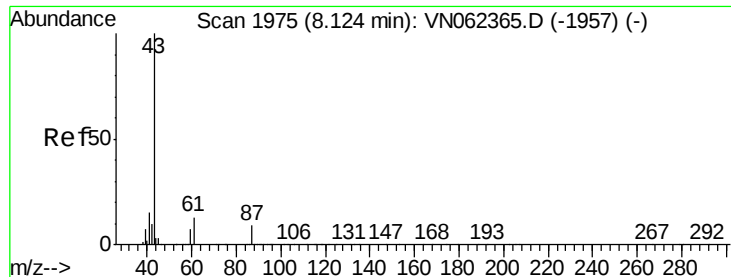


#42
1,2-Dichloroethane
Concen: 113.444 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion: 62 Resp: 2418450

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	13.4





#43

Isopropyl Acetate

Concen: 141.548 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

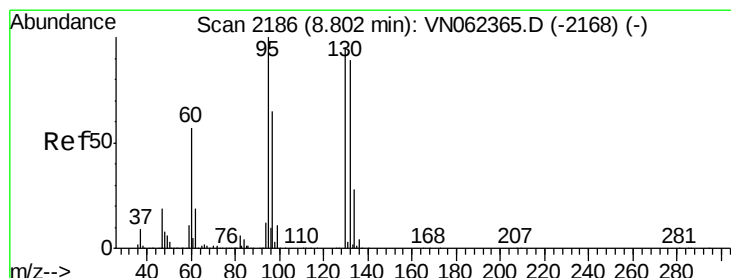
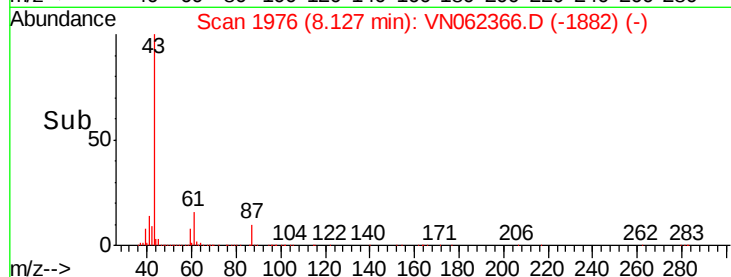
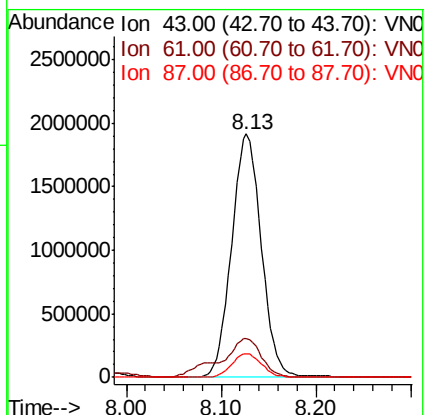
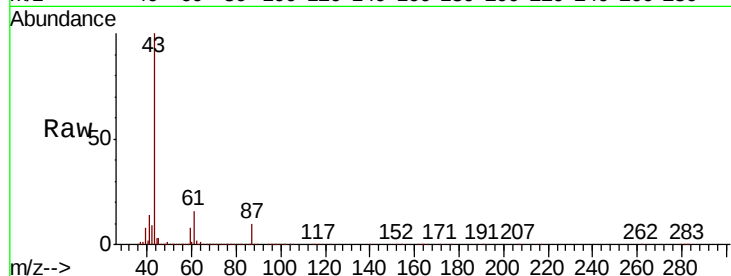
Tot Ion: 43 Resp: 4166301

Ion Ratio Lower Upper

43 100

61 16.5 13.1 19.7

87 9.8 7.5 11.3



#44

Trichloroethene

Concen: 87.743 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062366.D

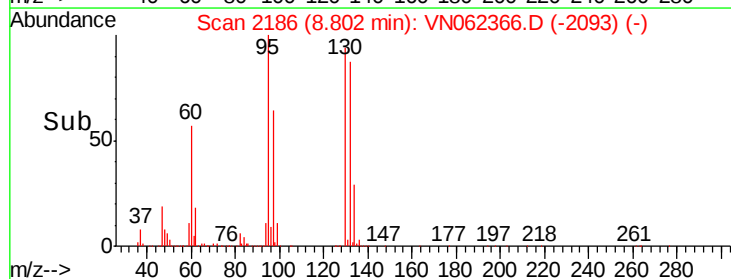
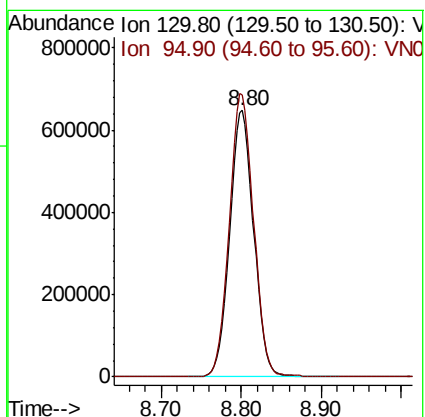
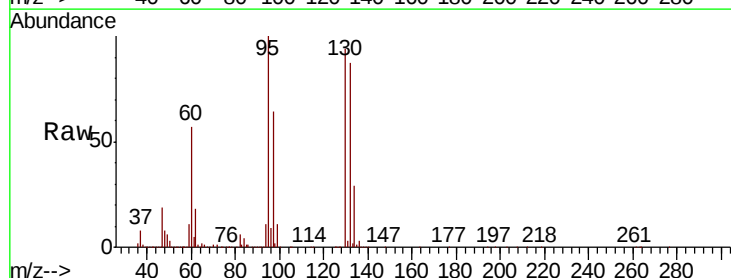
Acq: 6 Jul 2020 14:02

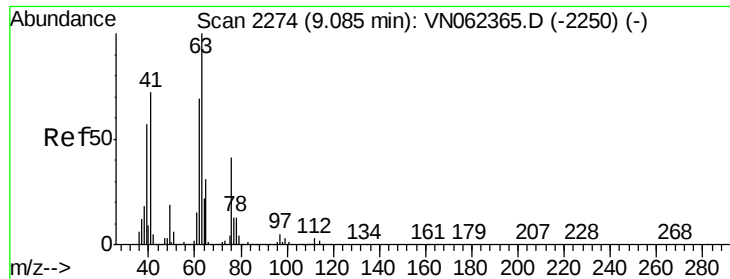
Tgt Ion:130 Resp: 1324083

Ion Ratio Lower Upper

130 100

95 106.0 0.0 209.8





#45

1,2-Dichloropropane

Concen: 107.576 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

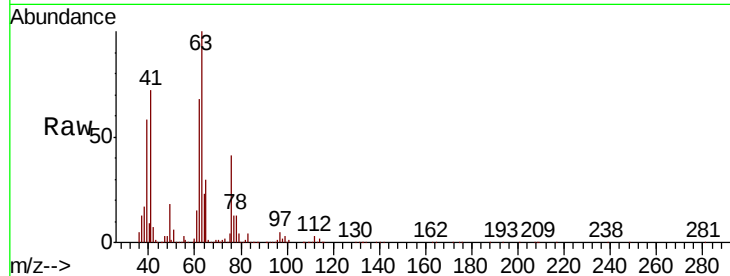
VSTDIC100

Tot Ion: 63 Resp: 1648449

Ion Ratio Lower Upper

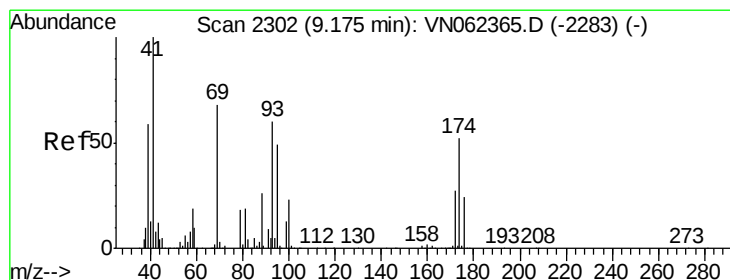
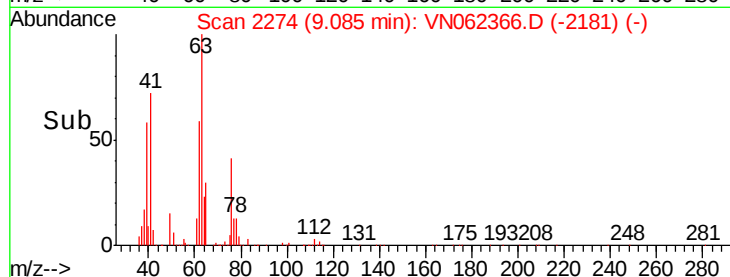
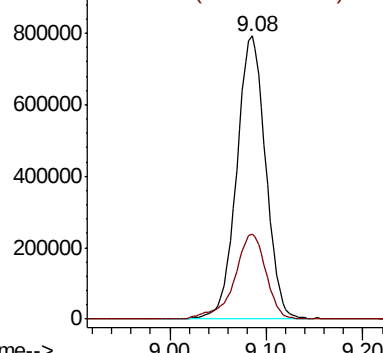
63 100

65 30.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 99.254 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

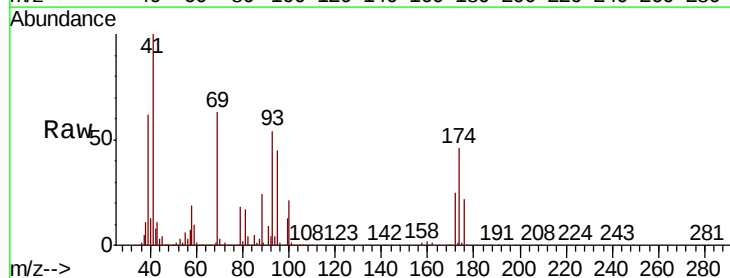
Tgt Ion: 93 Resp: 1012286

Ion Ratio Lower Upper

93 100

95 82.1 64.8 97.2

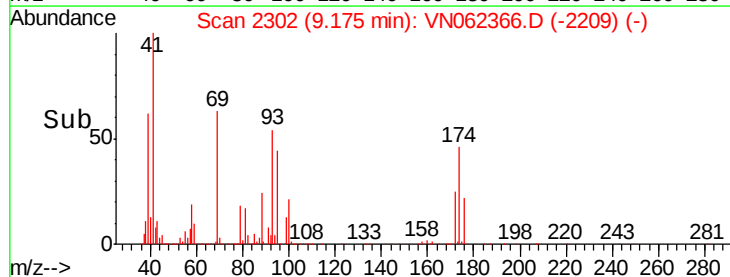
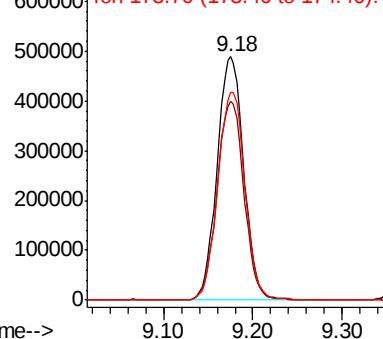
174 86.8 67.6 101.4

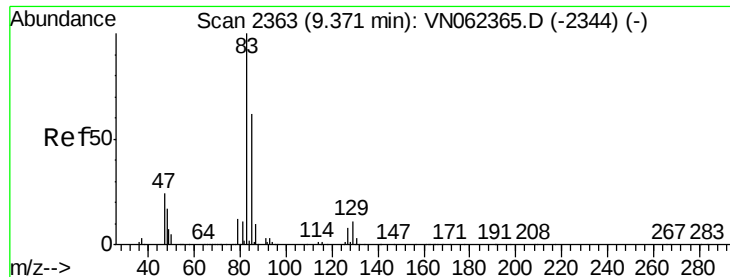


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 104.834 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

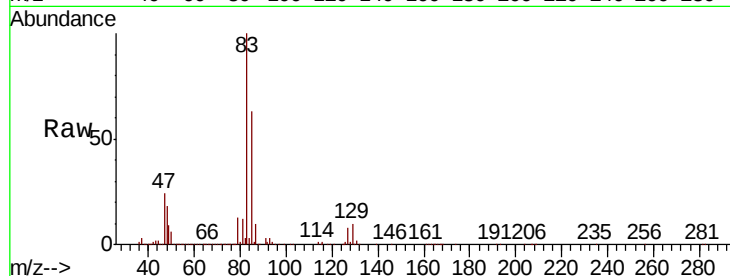
Tot Ion: 83 Resp: 2177076

Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.8	74.6
127	8.1	6.2	9.2

83 100

85 63.3 49.8 74.6

127 8.1 6.2 9.2

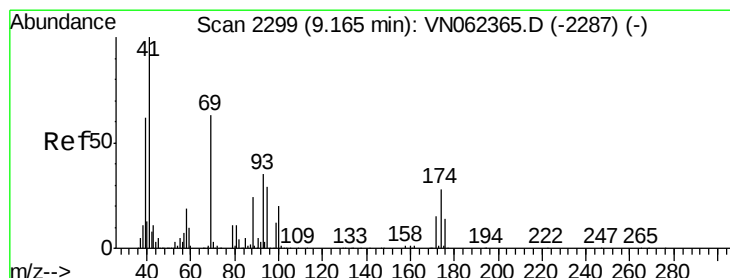
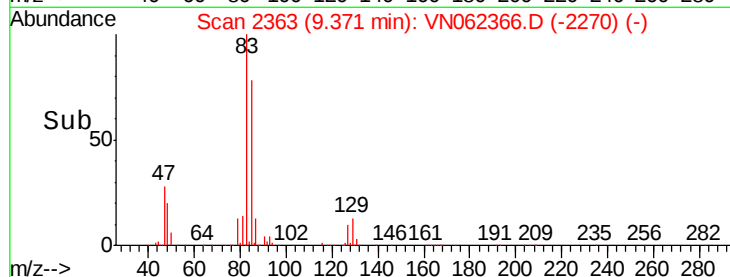
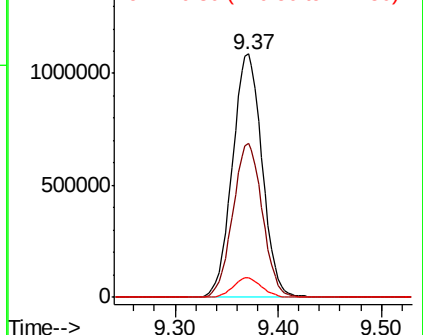


Abundance

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: 155.574 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

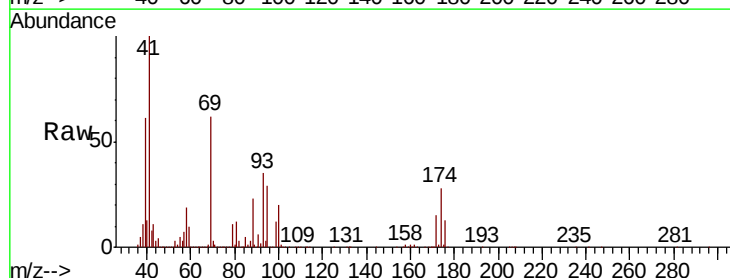
Tgt Ion: 41 Resp: 2103913

Ion	Ratio	Lower	Upper
41	100		
69	64.4	51.5	77.3
39	63.1	51.2	76.8

41 100

69 64.4 51.5 77.3

39 63.1 51.2 76.8

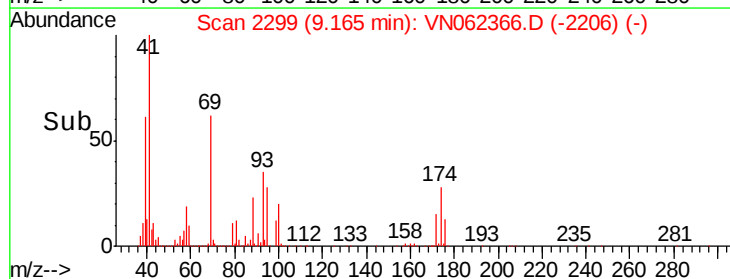
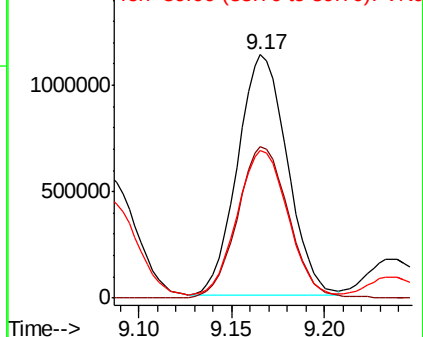


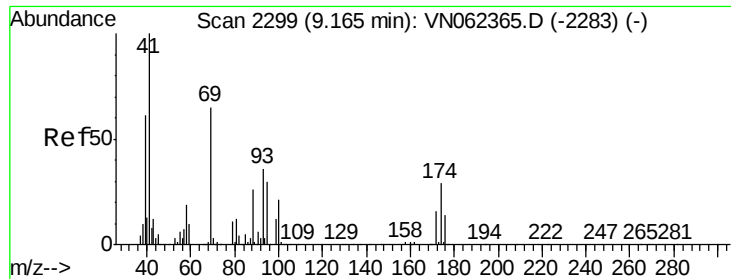
Abundance

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



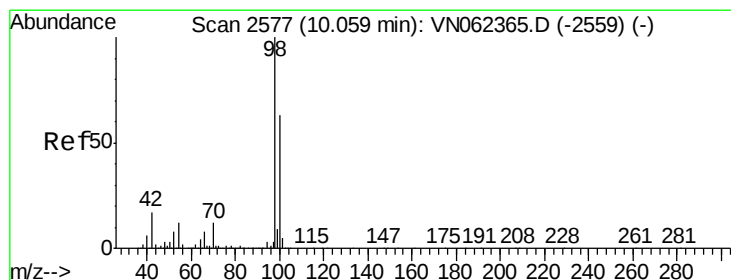
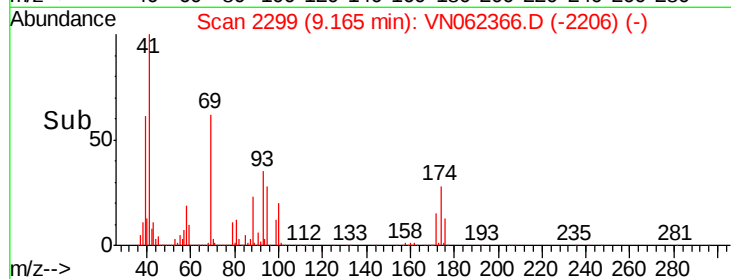
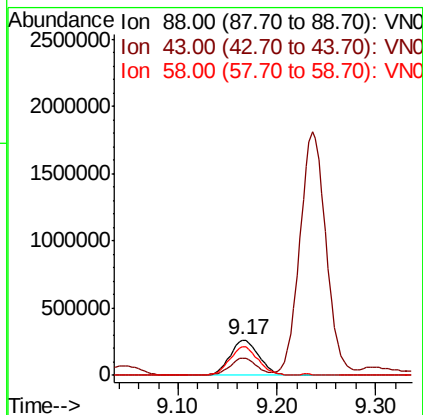
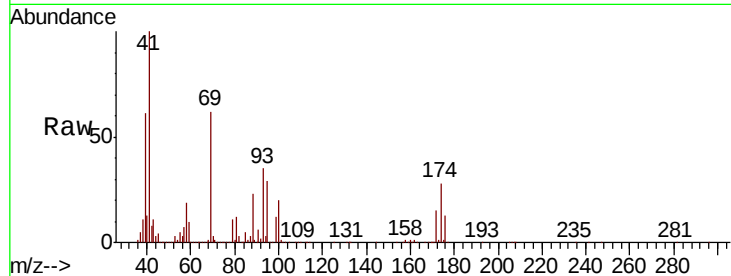


#49
 1,4-Dioxane
 Concen: 2041.278 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 88 Resp: 543648

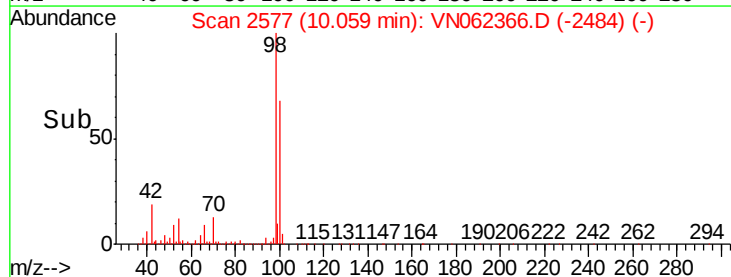
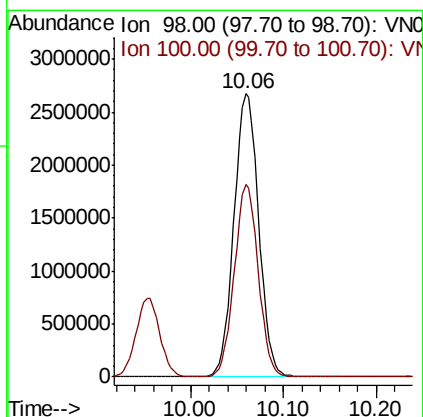
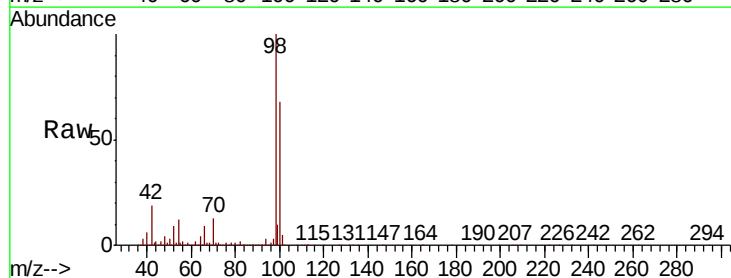
Ion	Ratio	Lower	Upper
88	100		
43	44.9	34.0	51.0
58	79.6	63.0	94.4

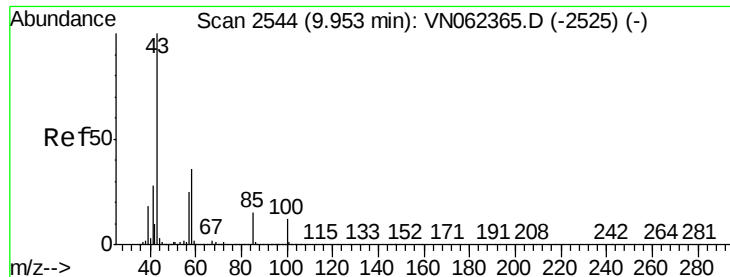


#50
 Toluene-d8
 Concen: 95.715 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 98 Resp: 4943982

Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 550.411 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

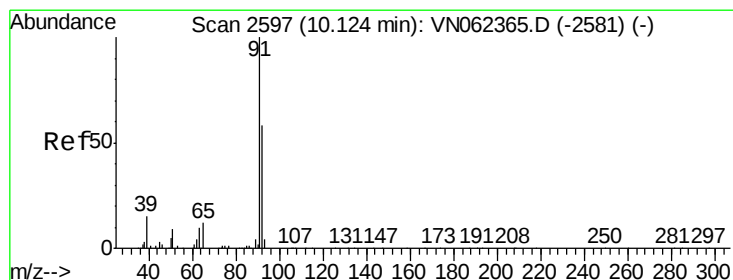
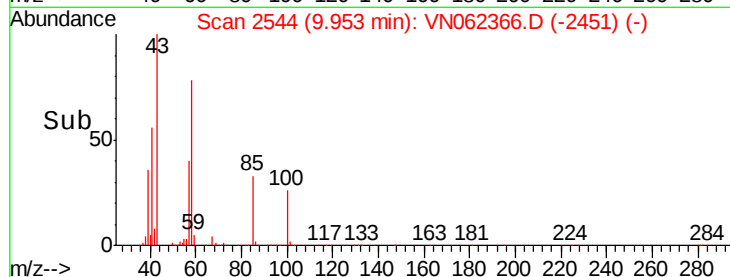
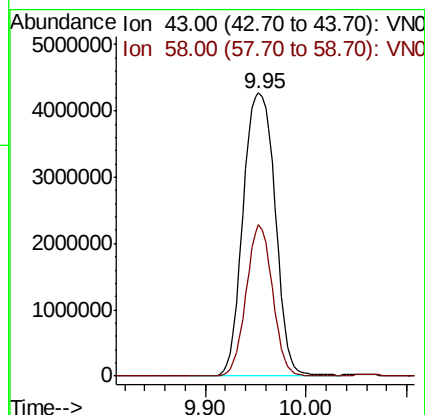
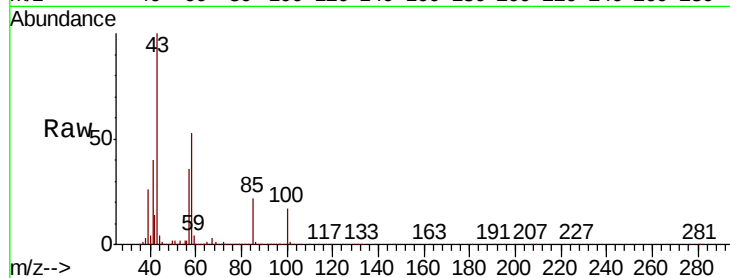
VSTDIC100

Tot Ion: 43 Resp: 9382431

Ion Ratio Lower Upper

43 100

58 43.9 27.6 41.4#



#52

Toluene

Concen: 94.413 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062366.D

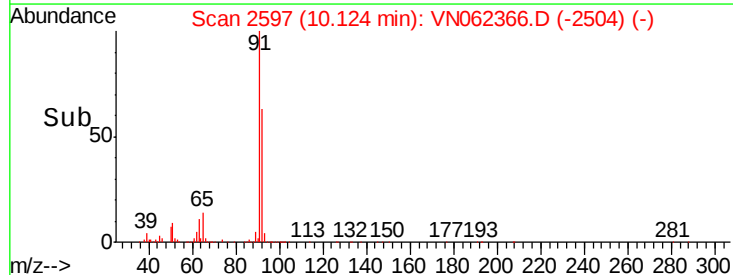
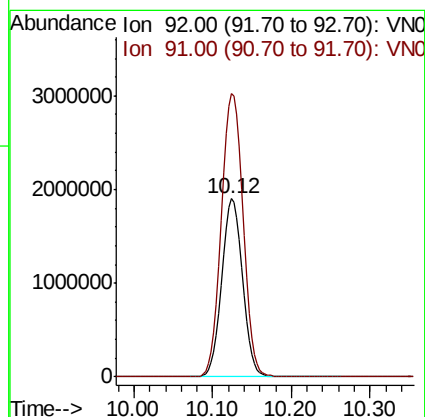
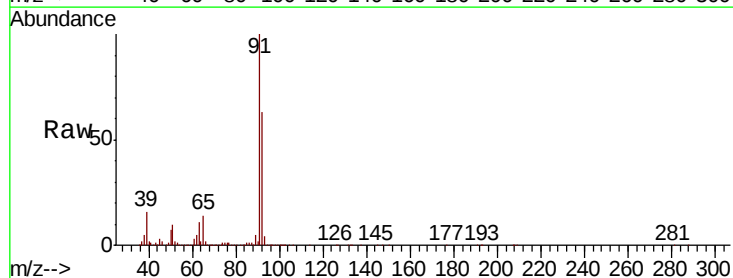
Acq: 6 Jul 2020 14:02

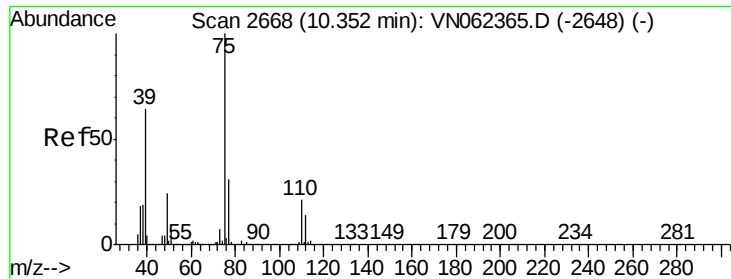
Tgt Ion: 92 Resp: 3454095

Ion Ratio Lower Upper

92 100

91 166.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 109.687 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

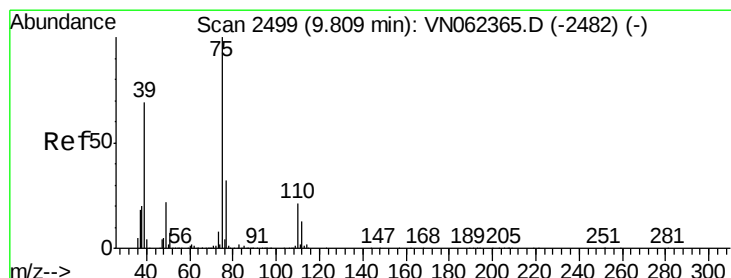
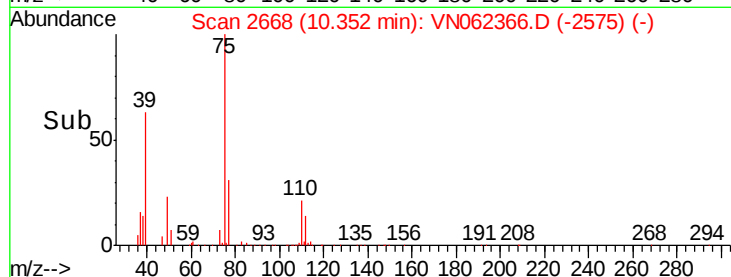
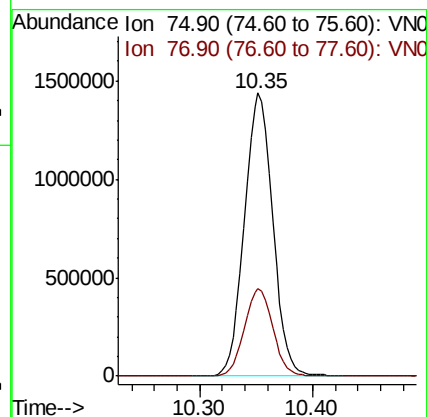
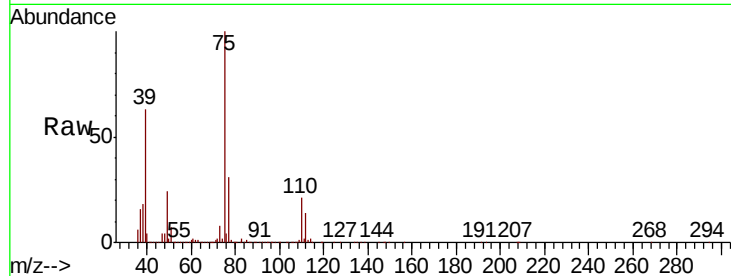
VSTDIC100

Tot Ion: 75 Resp: 2513763

Ion Ratio Lower Upper

75 100

77 30.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 106.974 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

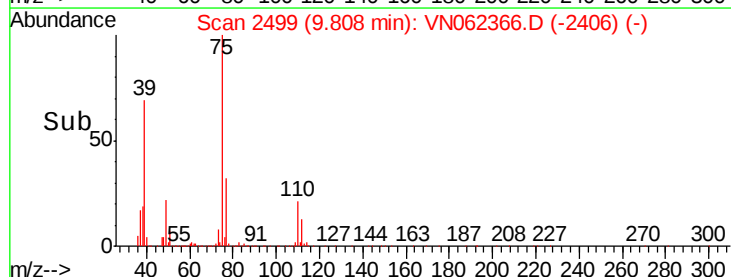
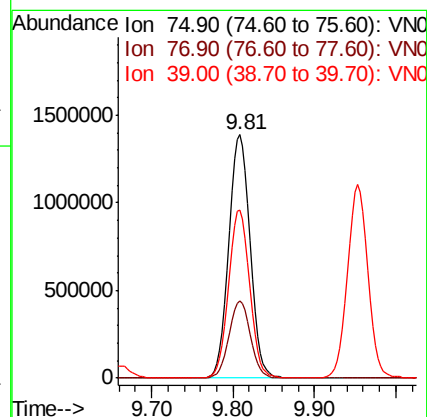
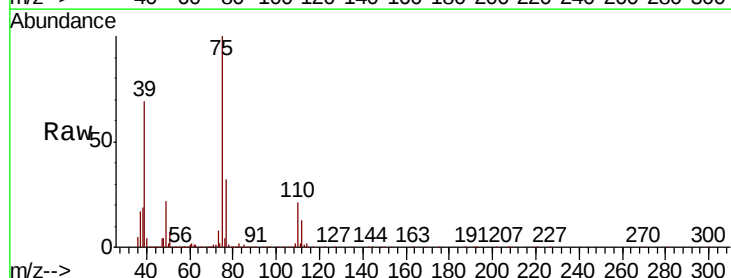
Tgt Ion: 75 Resp: 2592367

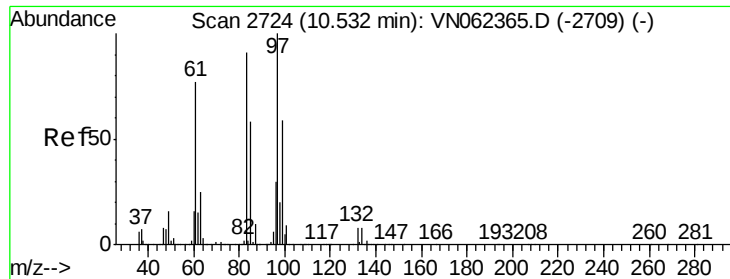
Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

39 69.1 55.3 82.9



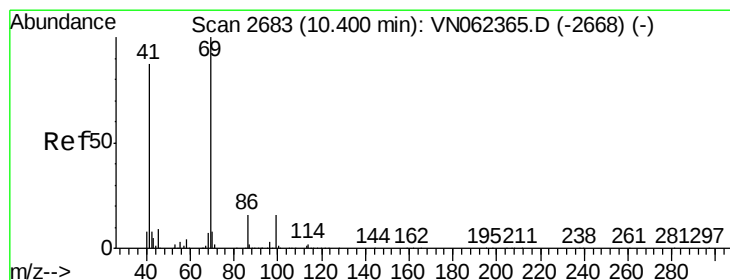
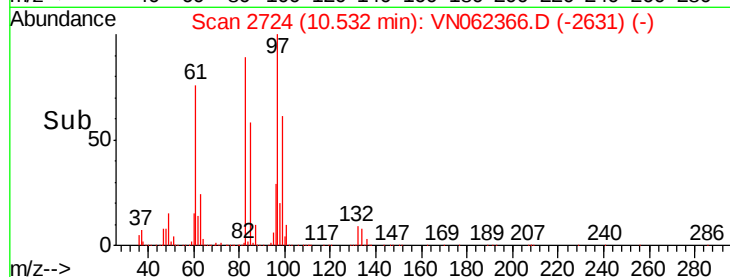
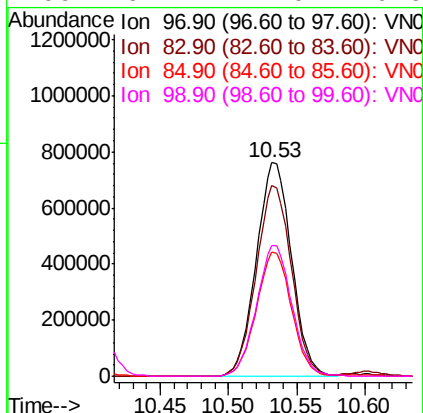
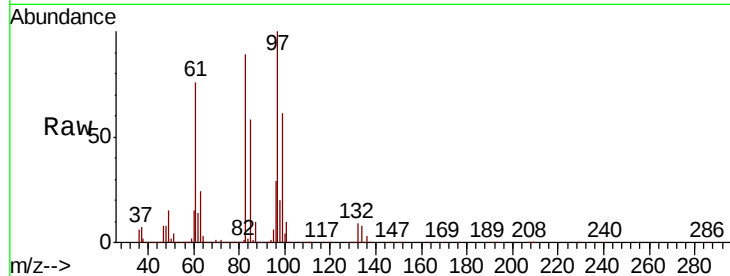


#55
 1,1,2-Trichloroethane
 Concen: 94.982 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion: 97 Resp: 1365611

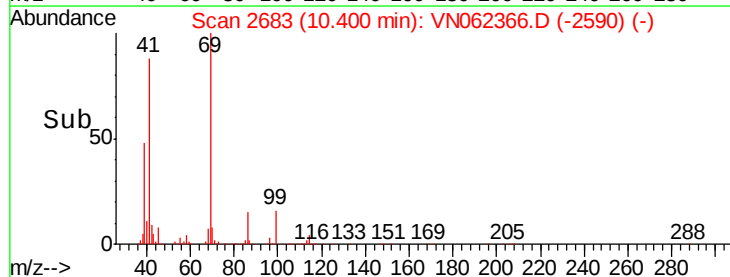
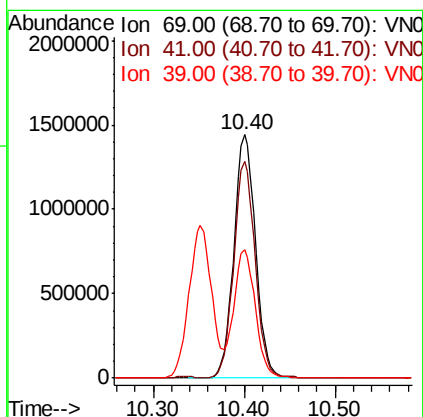
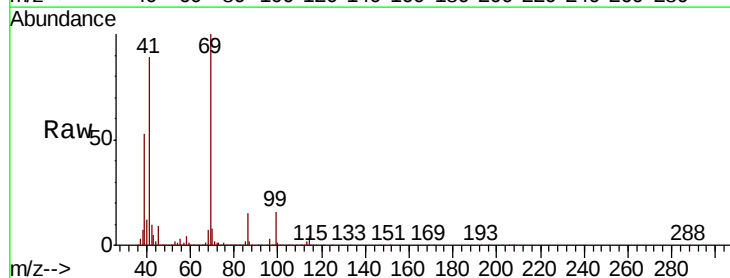
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.4	108.6
85	57.9	46.3	69.5
99	61.2	47.0	70.6

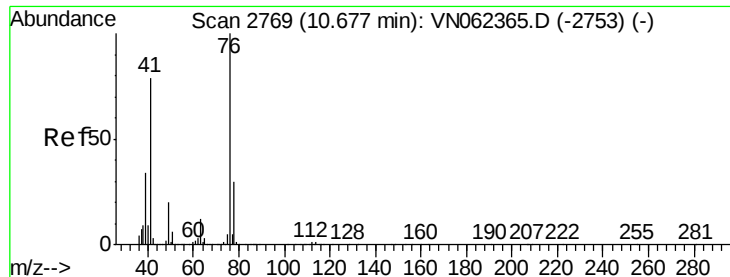


#56
 Ethyl methacrylate
 Concen: 119.989 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion: 69 Resp: 2388393

Ion	Ratio	Lower	Upper
69	100		
41	87.3	69.4	104.0
39	52.0	42.4	63.6





#57

1,3-Dichloropropane

Concen: 99.162 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

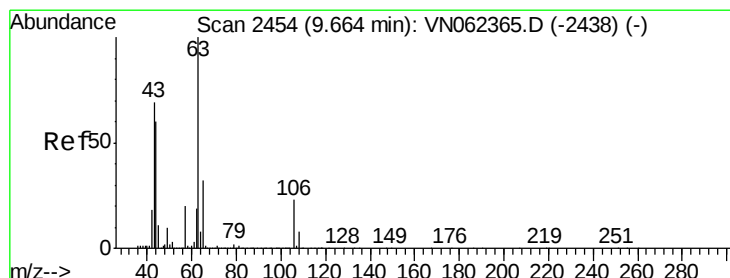
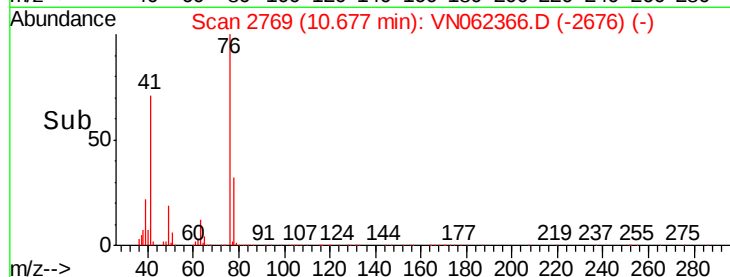
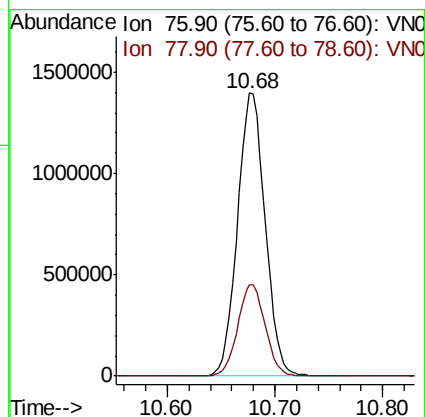
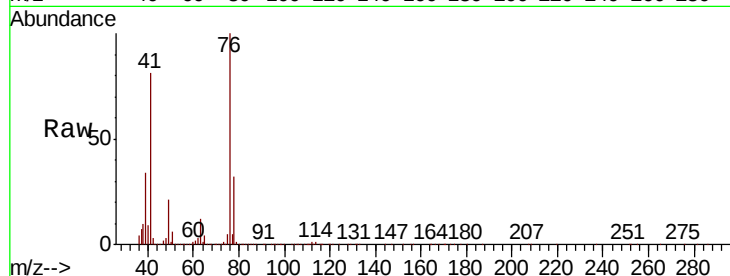
VSTDIC100

Tot Ion: 76 Resp: 2496481

Ion Ratio Lower Upper

76 100

78 32.2 25.0 37.4



#58

2-Chloroethyl Vinyl ether

Concen: 570.747 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062366.D

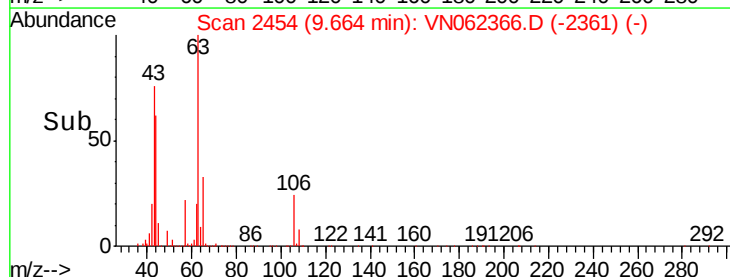
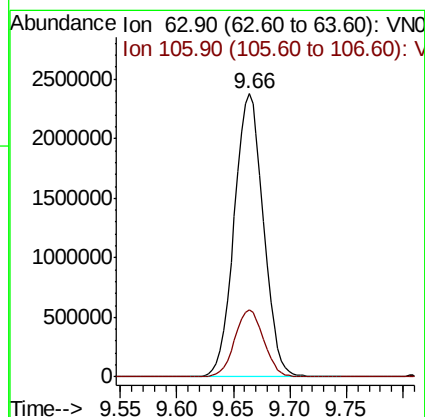
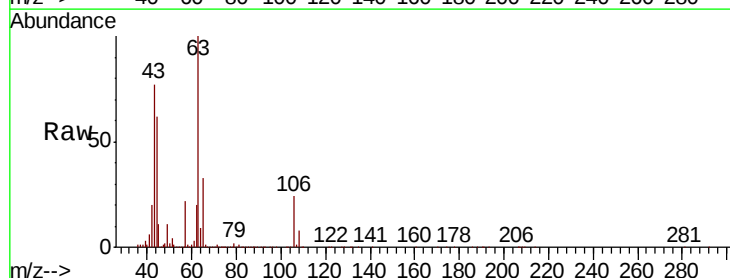
Acq: 6 Jul 2020 14:02

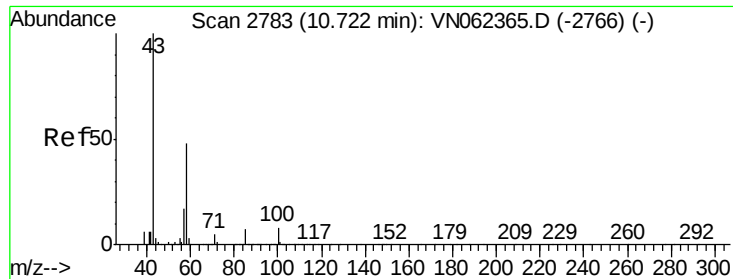
Tgt Ion: 63 Resp: 4269611

Ion Ratio Lower Upper

63 100

106 23.6 18.0 27.0





#59

2-Hexanone

Concen: 629.220 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

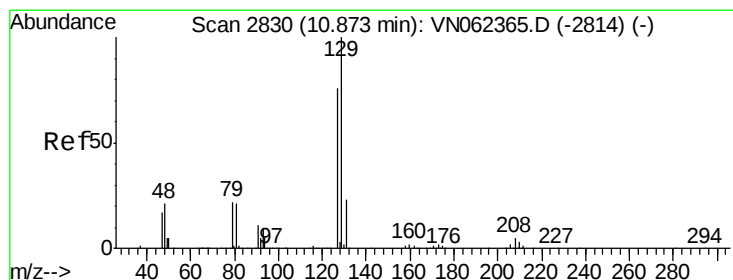
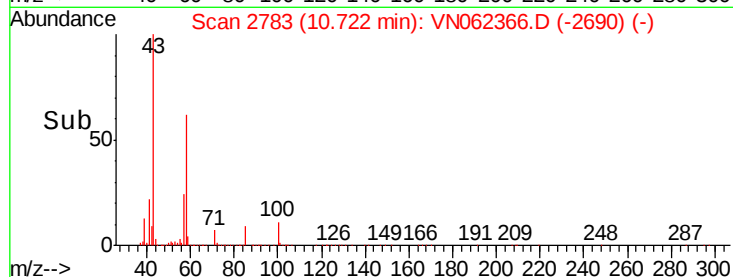
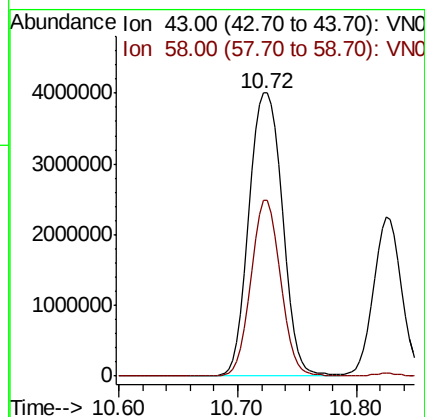
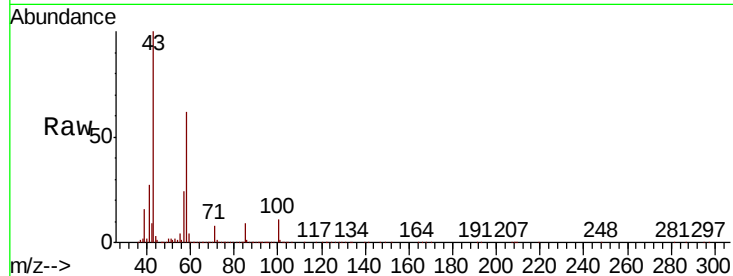
VSTDIC100

Tot Ion: 43 Resp: 7828201

Ion Ratio Lower Upper

43 100

58 55.0 23.5 70.6



#60

Dibromochloromethane

Concen: 104.223 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062366.D

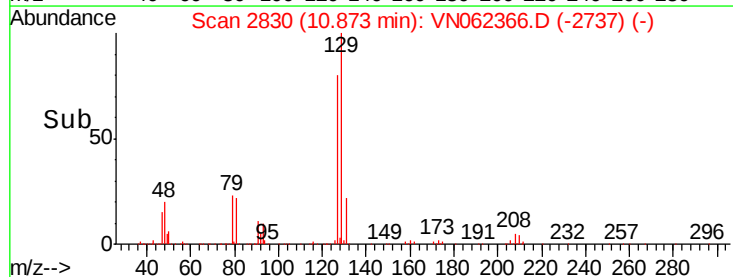
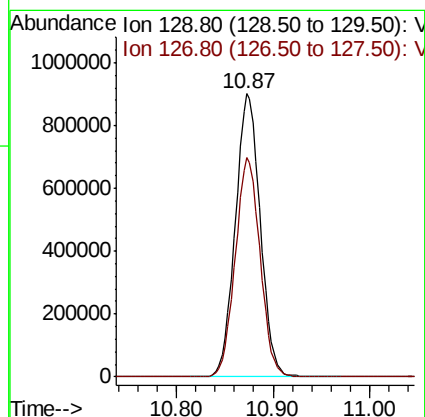
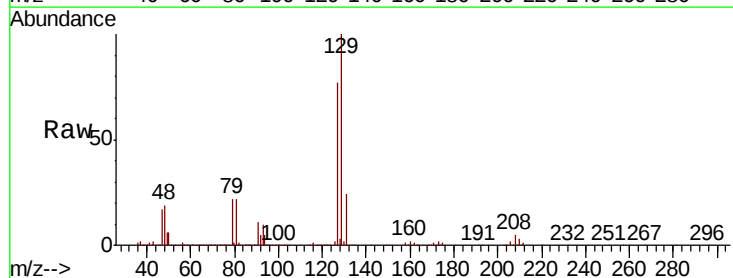
Acq: 6 Jul 2020 14:02

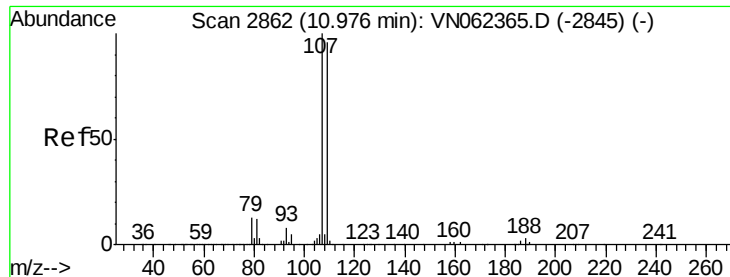
Tgt Ion: 129 Resp: 1611466

Ion Ratio Lower Upper

129 100

127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 96.004 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

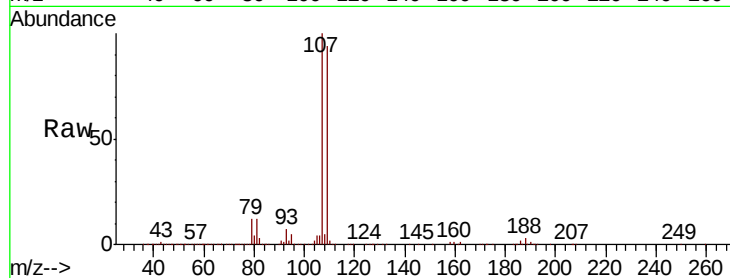
VSTDIC100

Tot Ion:107 Resp: 1420996

Ion Ratio Lower Upper

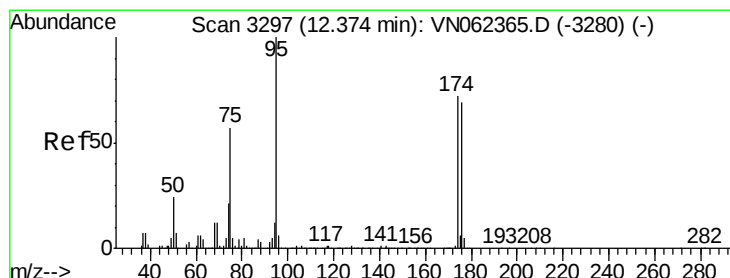
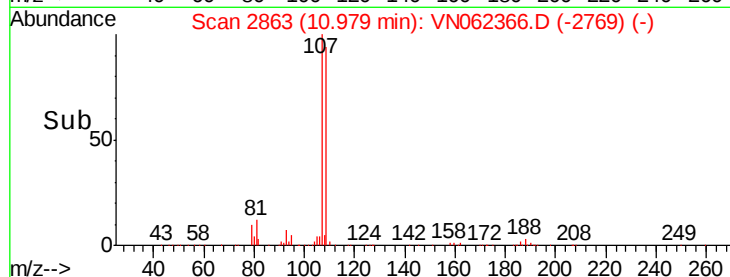
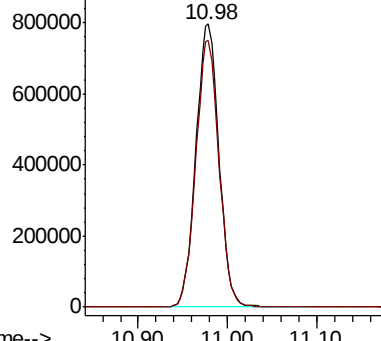
107 100

109 94.7 76.4 114.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 110.034 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

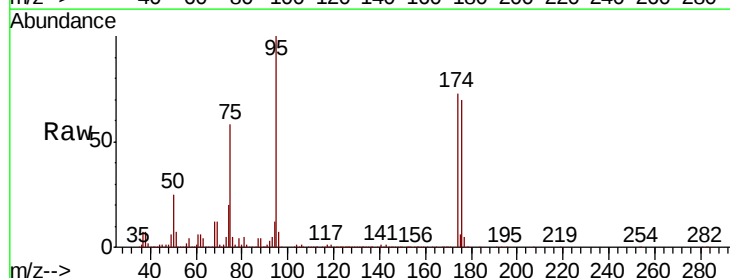
Tgt Ion: 95 Resp: 1962129

Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.8

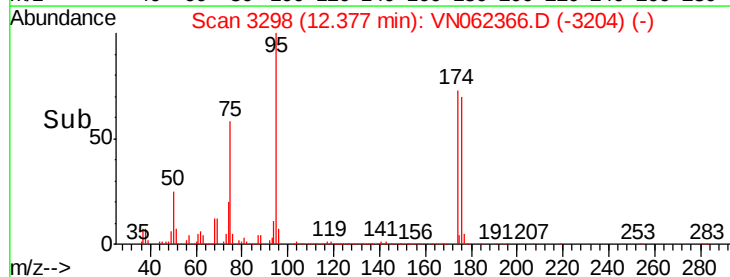
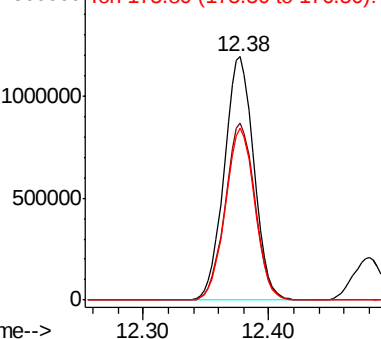
176 70.4 0.0 140.2

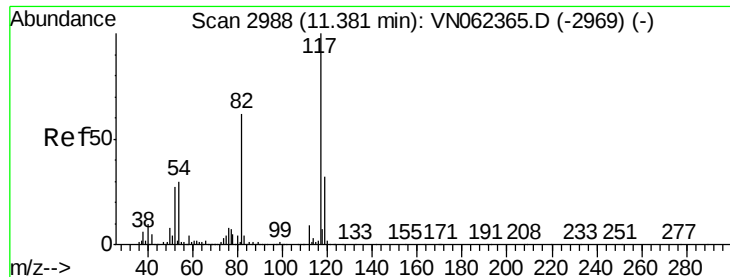


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

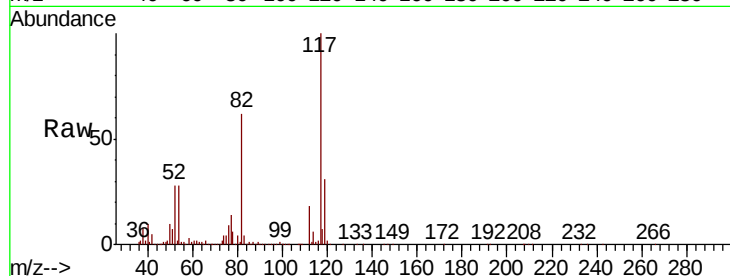
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1853092

Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.4	74.2
119	31.3	25.6	38.4

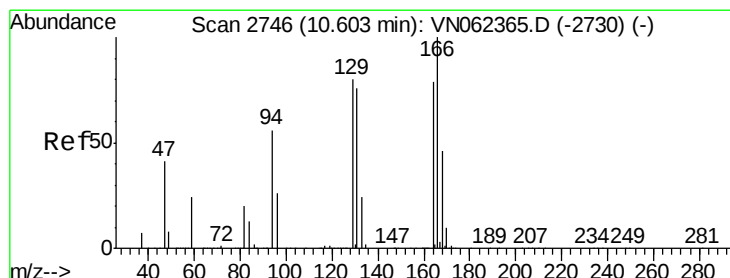
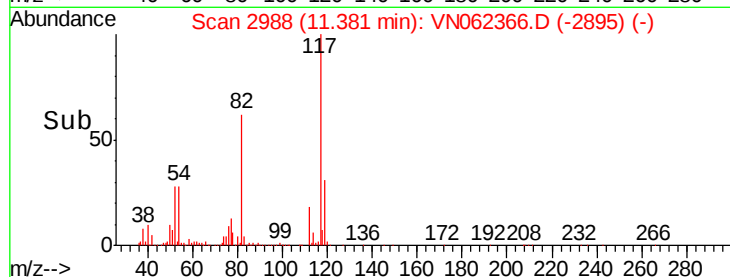
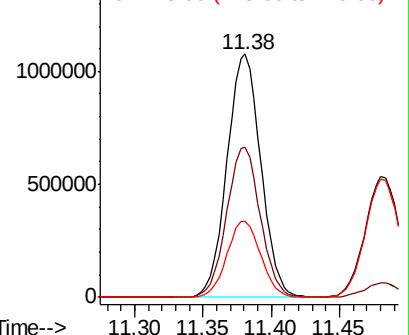


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 87.163 ug/l

RT: 10.60 min Scan# 2746

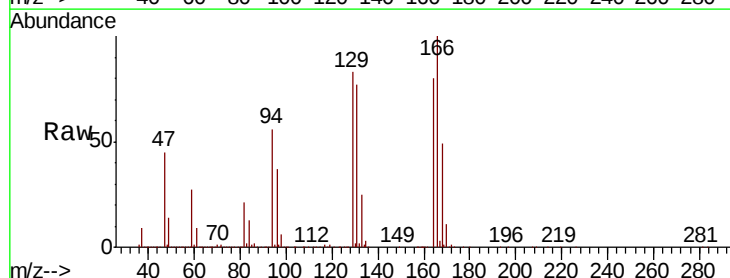
Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion:164 Resp: 1095511

Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.6	152.4
129	104.1	81.4	122.2
131	96.5	77.1	115.7



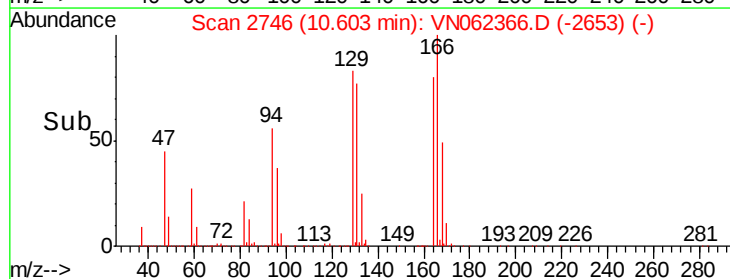
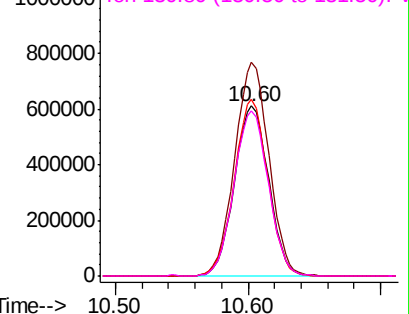
Abundance

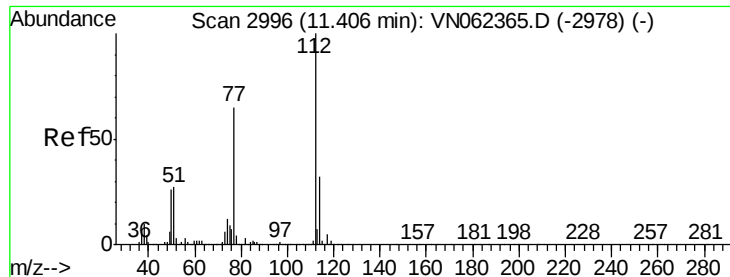
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 89.351 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

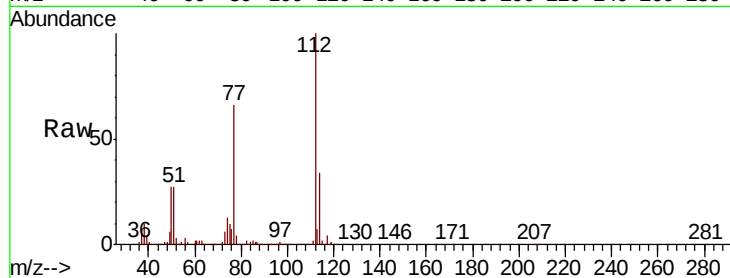
VSTDIC100

Tot Ion:112 Resp: 3622436

Ion Ratio Lower Upper

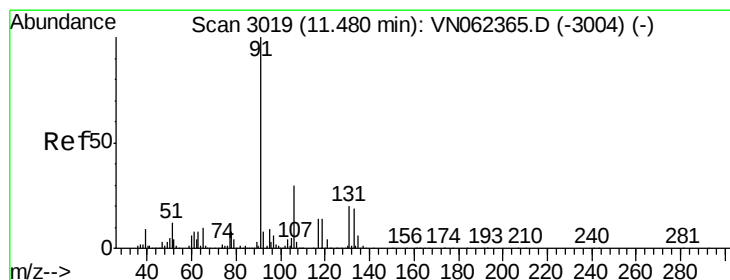
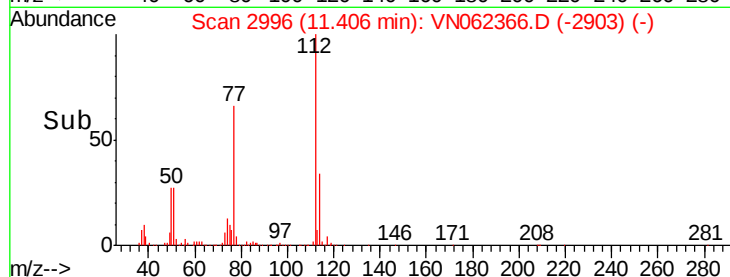
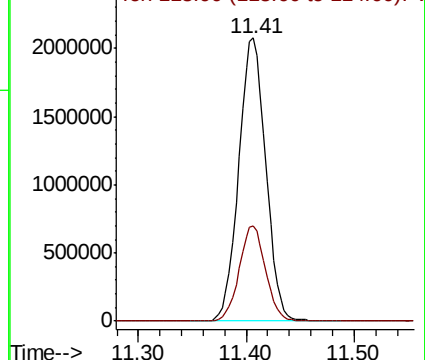
112 100

114 33.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 99.186 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

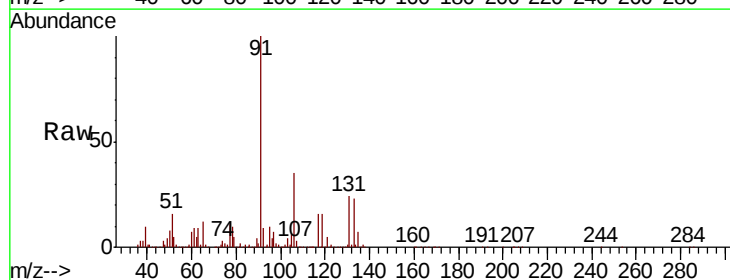
Tgt Ion:131 Resp: 1403881

Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.9

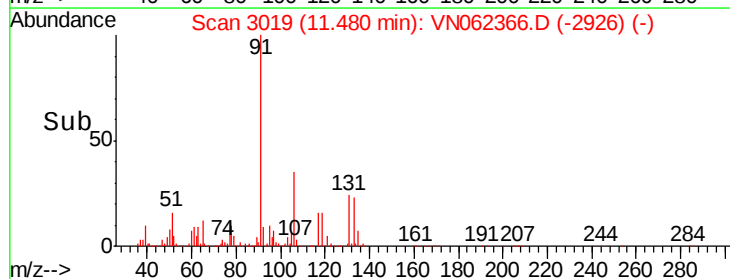
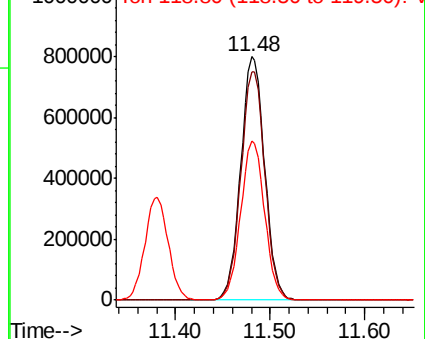
119 65.5 33.3 99.9

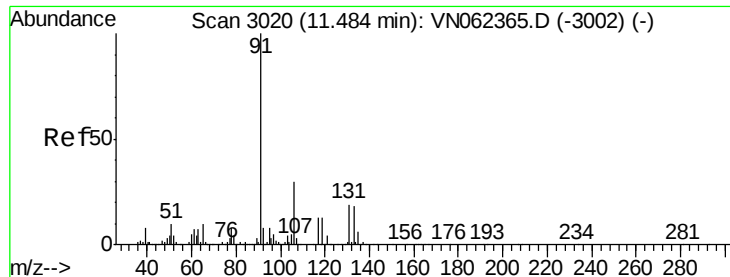


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 90.690 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

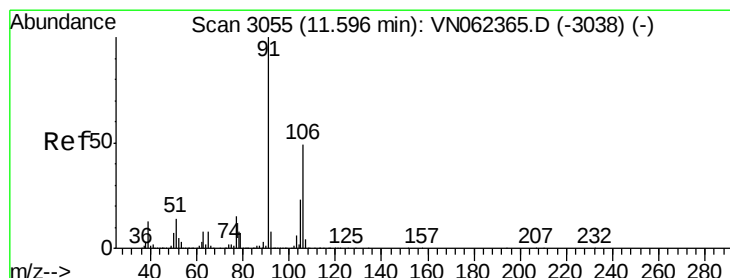
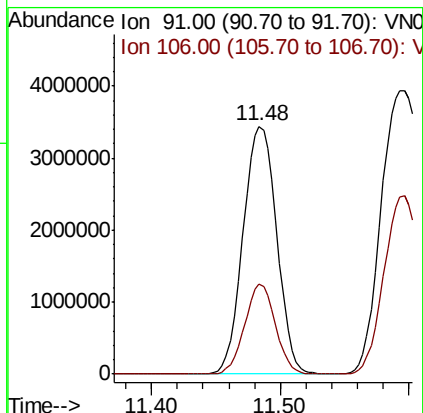
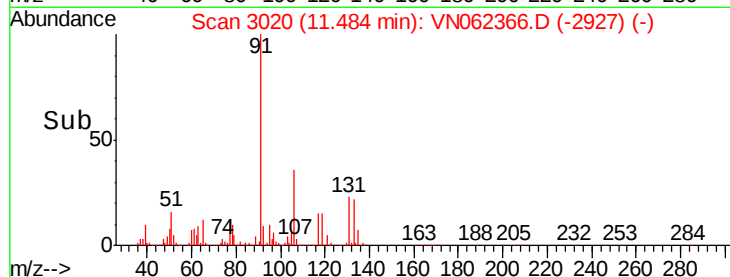
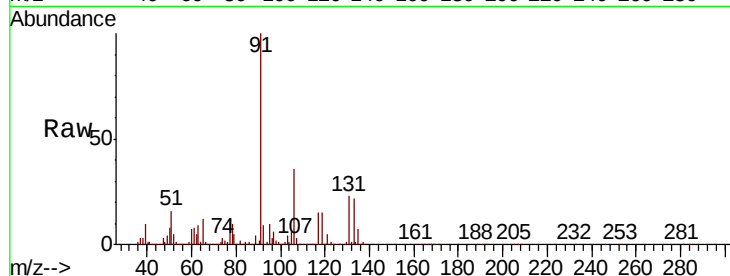
VSTDIC100

Tot Ion: 91 Resp: 6260218

Ion Ratio Lower Upper

91 100

106 36.2 24.2 36.2



#68

m/p-Xylenes

Concen: 185.355 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062366.D

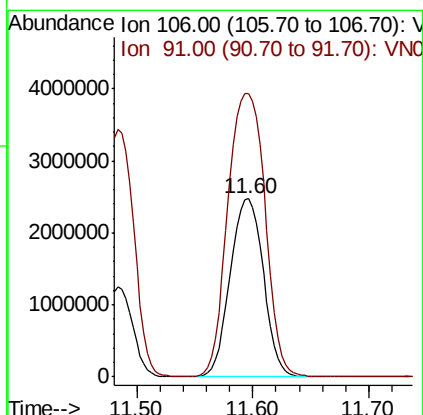
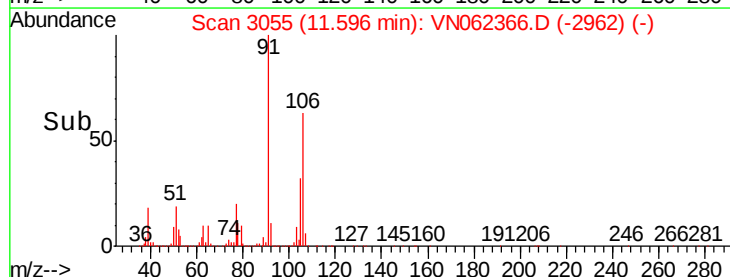
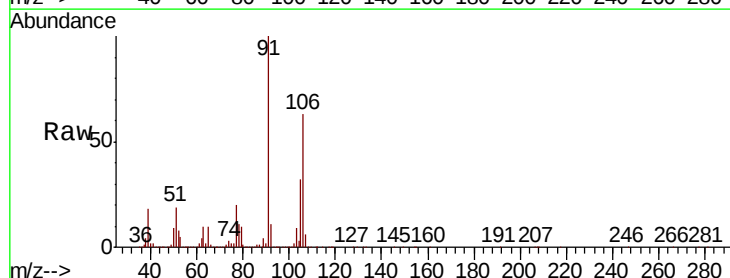
Acq: 6 Jul 2020 14:02

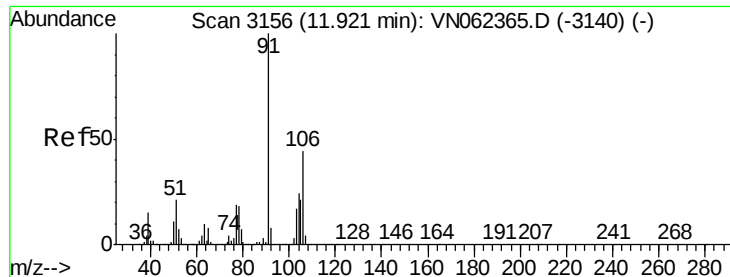
Tgt Ion: 106 Resp: 4898102

Ion Ratio Lower Upper

106 100

91 179.5 165.4 248.2

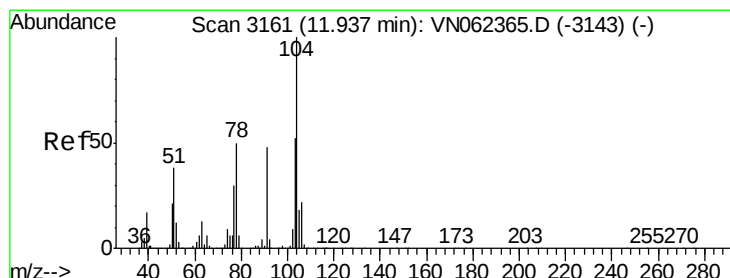
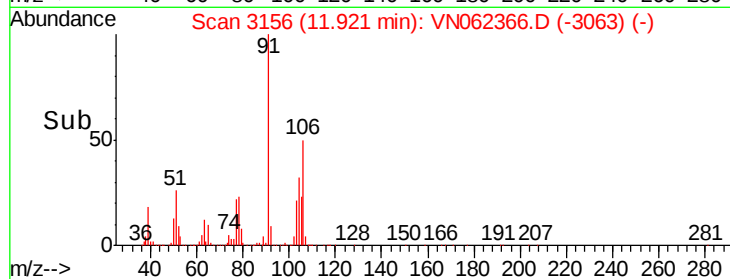
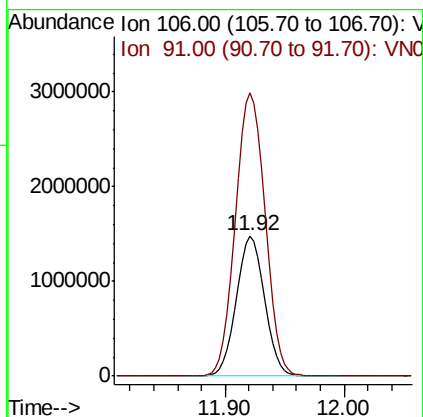
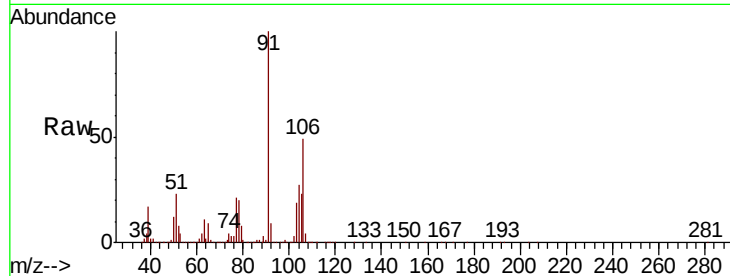




#69
o-Xylene
Concen: 97.744 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

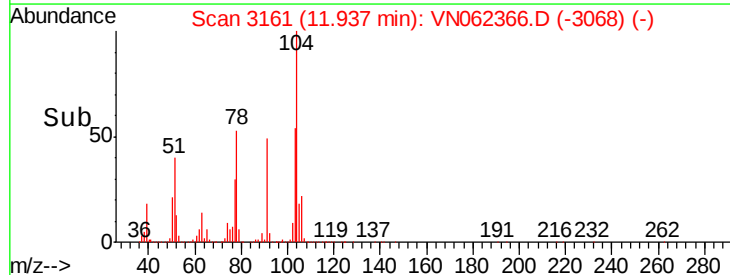
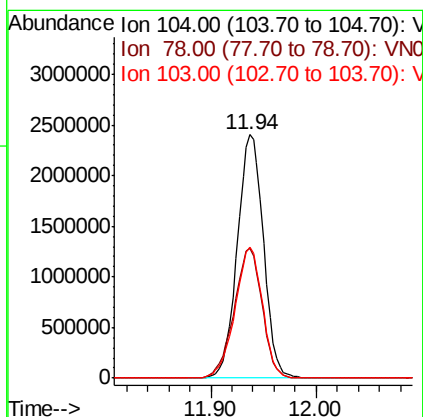
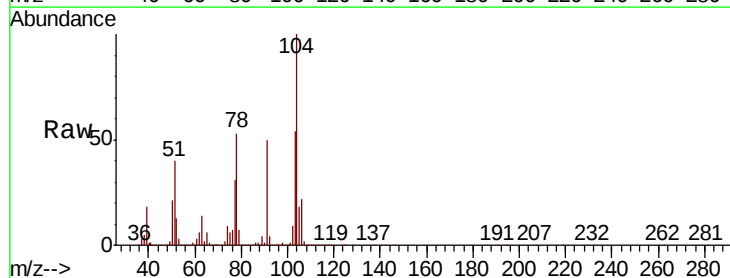
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

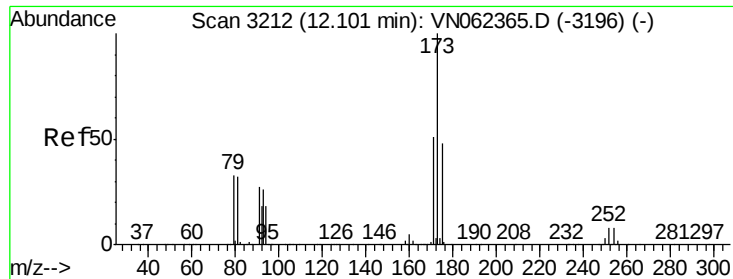
Tot Ion:106 Resp: 2435704
Ion Ratio Lower Upper
106 100
91 212.7 113.1 339.4



#70
Styrene
Concen: 99.132 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062366.D
Acq: 6 Jul 2020 14:02

Tgt Ion:104 Resp: 4128402
Ion Ratio Lower Upper
104 100
78 57.1 44.8 67.2
103 56.4 45.0 67.4





#71

Bromoform

Concen: 110.302 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

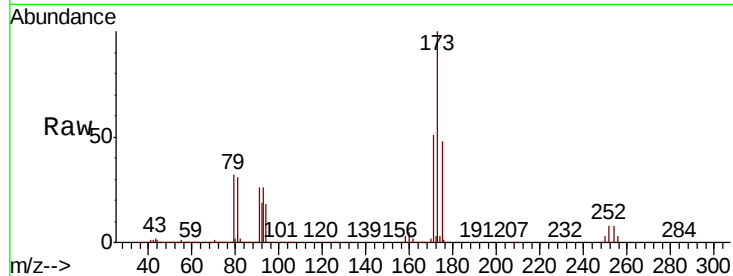
Tot Ion:173 Resp: 1126331

Ion Ratio Lower Upper

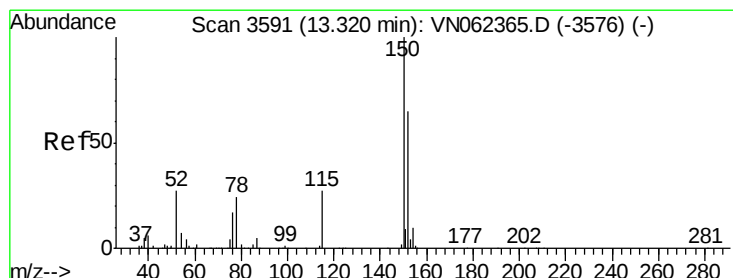
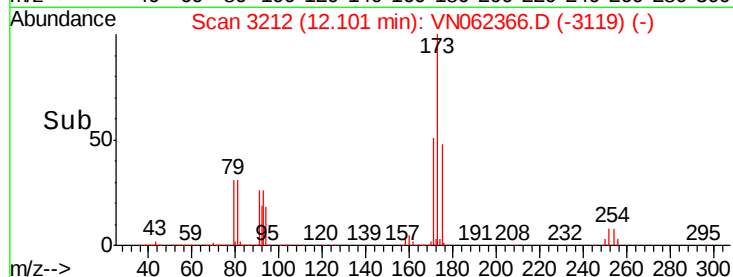
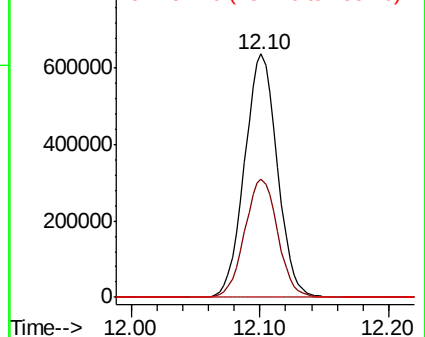
173 100

175 48.9 24.1 72.2

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

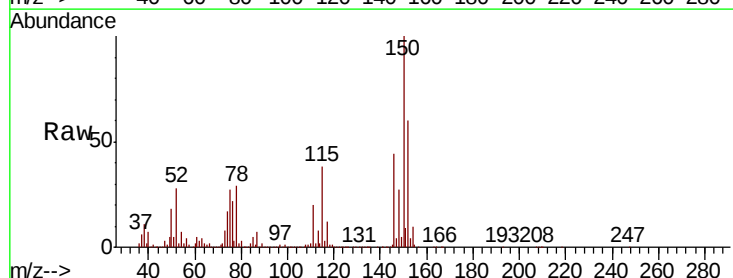
Tgt Ion:152 Resp: 923569

Ion Ratio Lower Upper

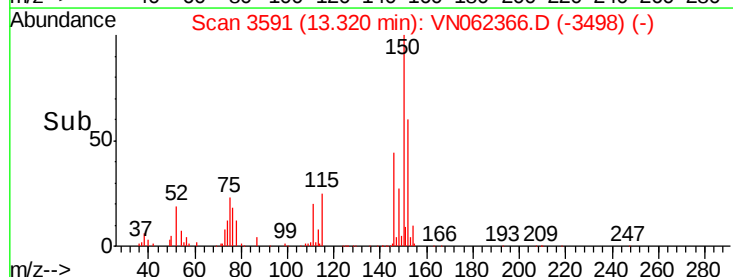
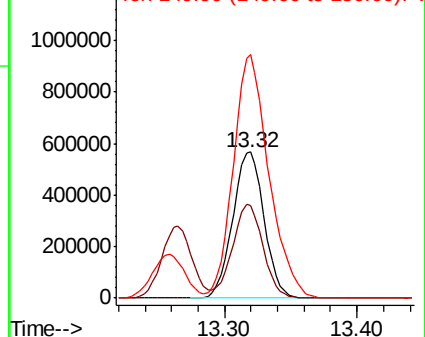
152 100

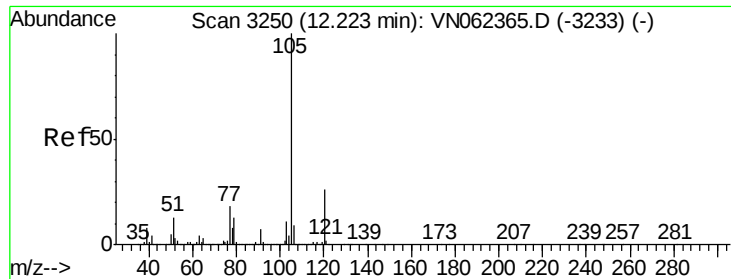
115 62.5 30.5 91.5

150 189.7 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 84.509 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

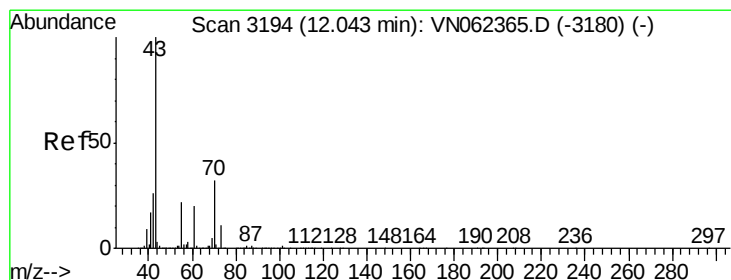
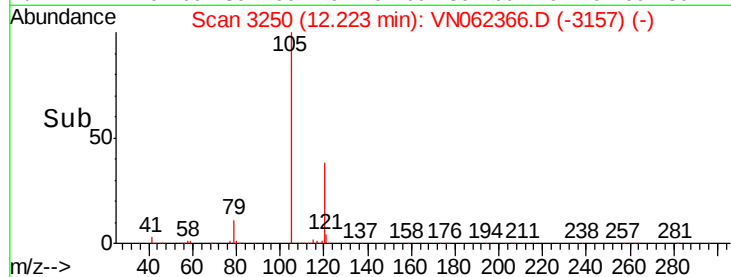
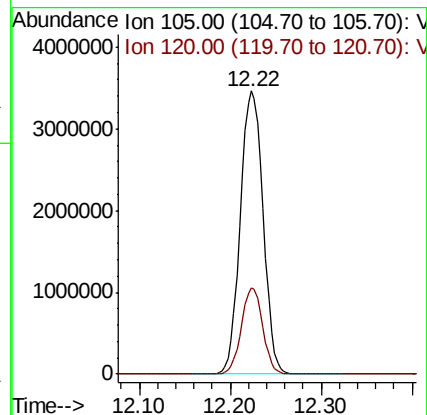
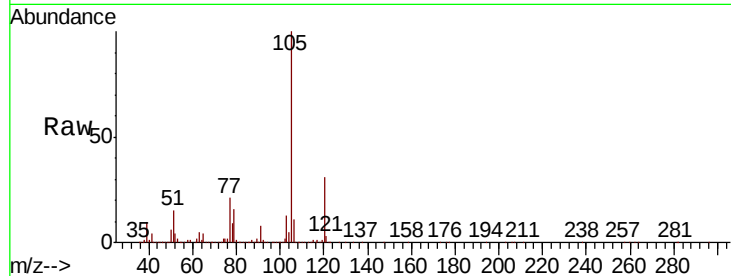
VSTDIC100

Tot Ion:105 Resp: 6025876

Ion Ratio Lower Upper

105 100

120 28.4 12.8 38.3



#74

N-ethyl acetate

Concen: 146.817 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion: 43 Resp: 3792655

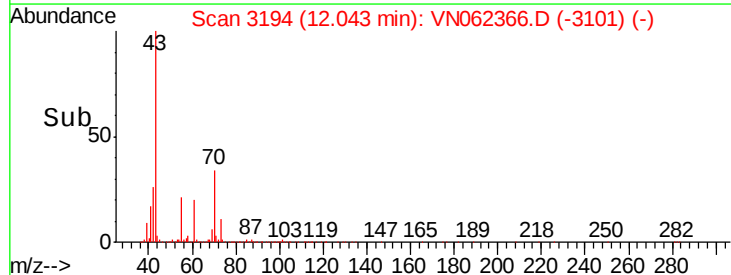
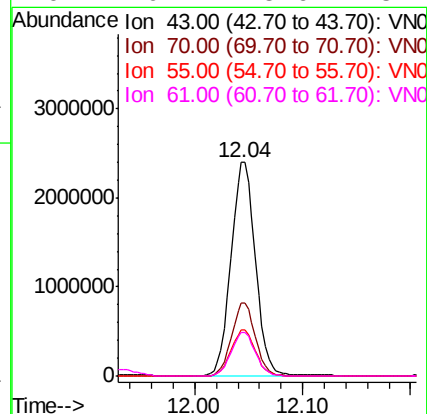
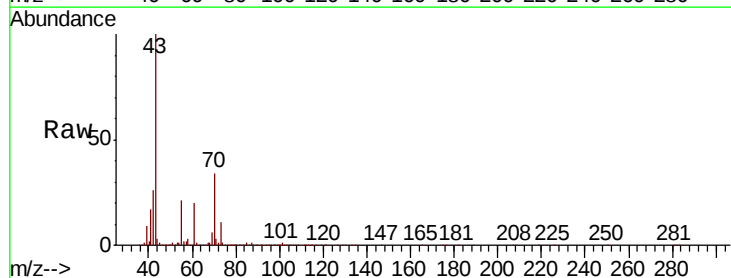
Ion Ratio Lower Upper

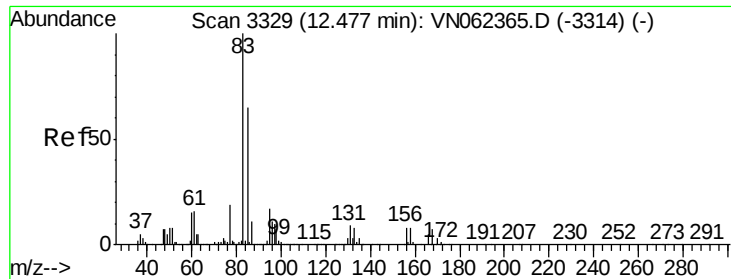
43 100

70 33.4 25.9 38.9

55 21.5 17.4 26.0

61 20.1 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 88.078 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

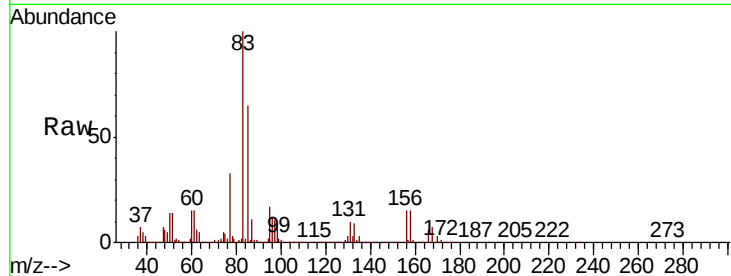
Tot Ion: 83 Resp: 2106024

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

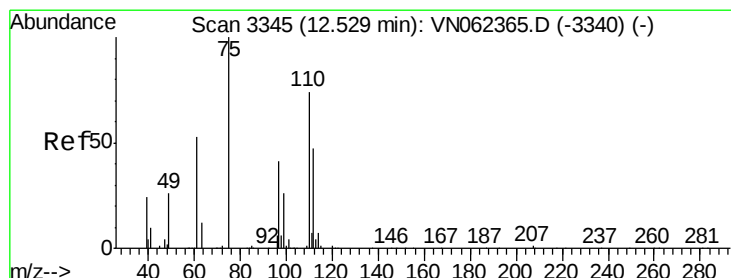
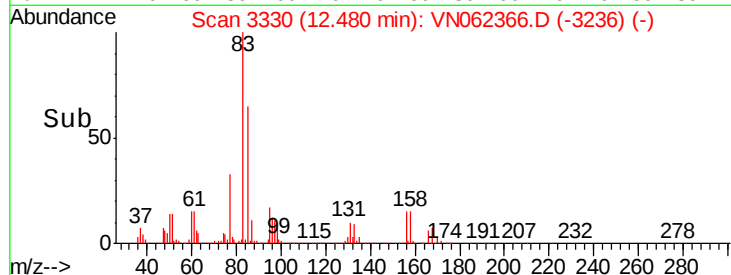
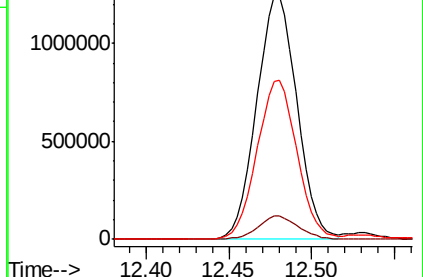
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN062366.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062366.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062366.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 136.487 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062366.D

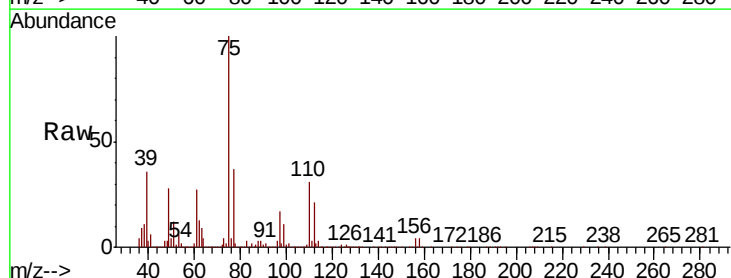
Acq: 6 Jul 2020 14:02

Tgt Ion: 75 Resp: 2972456

Ion Ratio Lower Upper

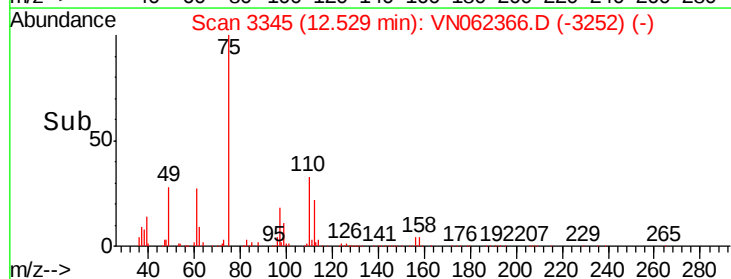
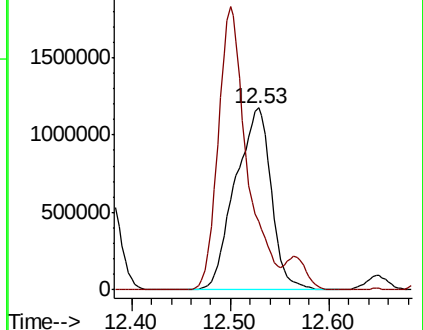
75 100

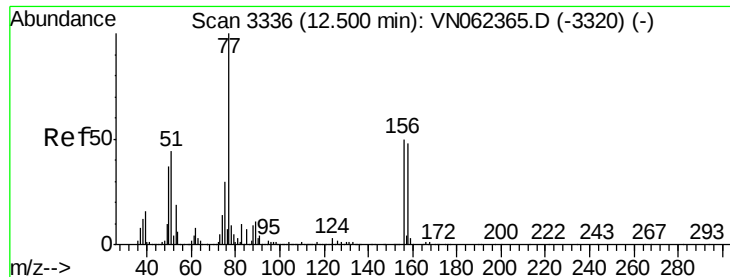
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062366.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062366.D (-3252) (-)





#77

Bromobenzene

Concen: 88.862 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

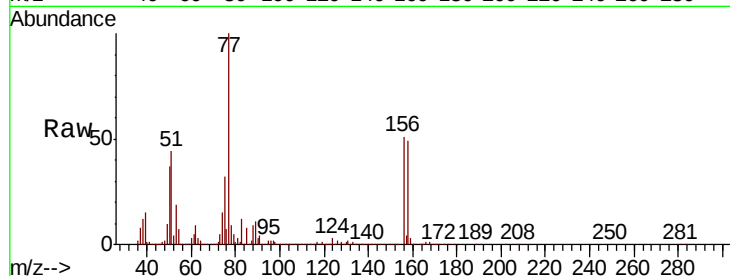
Tot Ion:156 Resp: 1563608

Ion Ratio Lower Upper

156 100

77 238.8 123.3 369.8

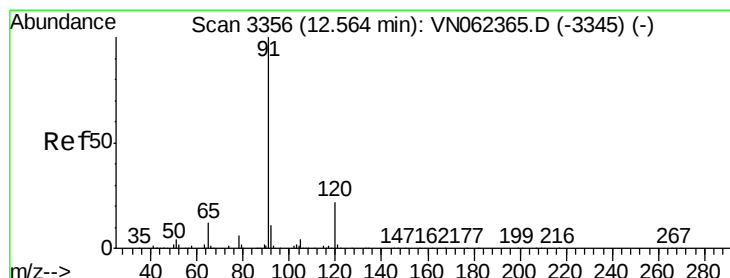
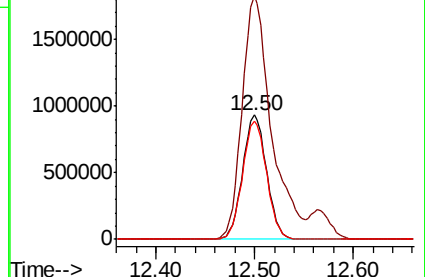
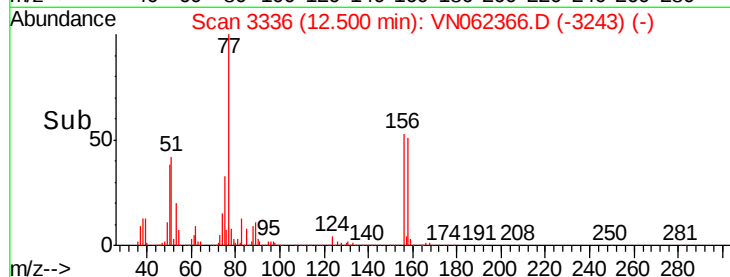
158 95.7 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 83.776 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062366.D

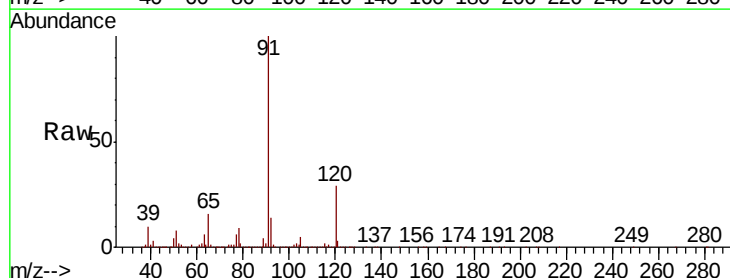
Acq: 6 Jul 2020 14:02

Tgt Ion: 91 Resp: 6854334

Ion Ratio Lower Upper

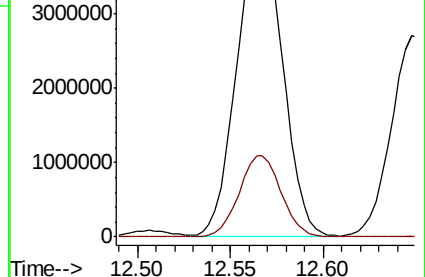
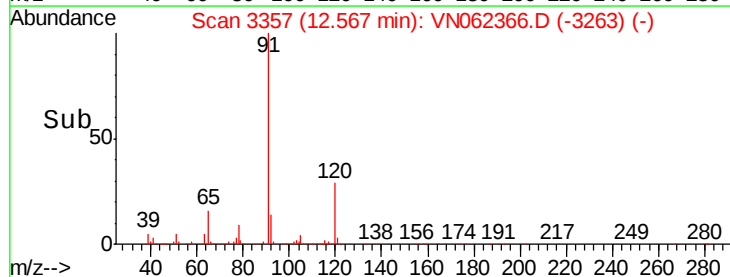
91 100

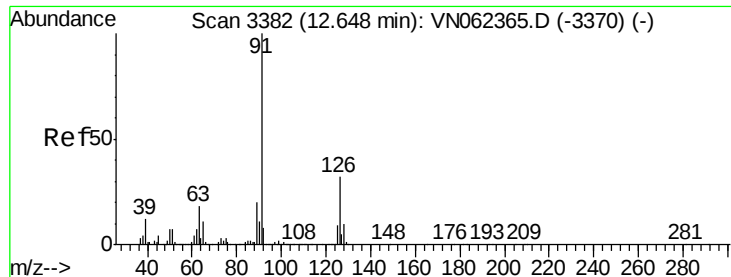
120 25.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 92.145 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

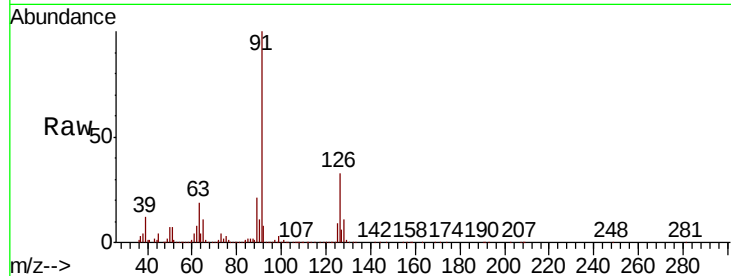
VSTDIC100

Tot Ion: 91 Resp: 4580901

Ion Ratio Lower Upper

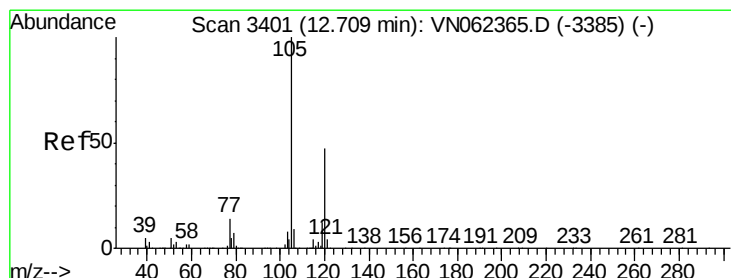
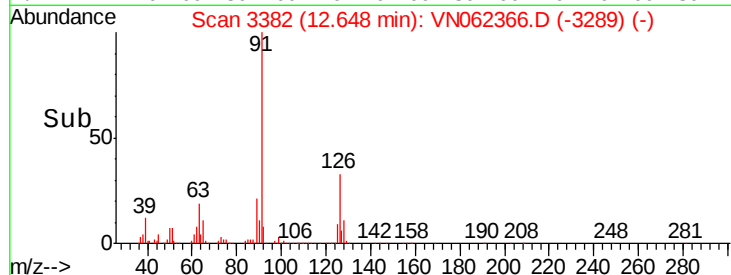
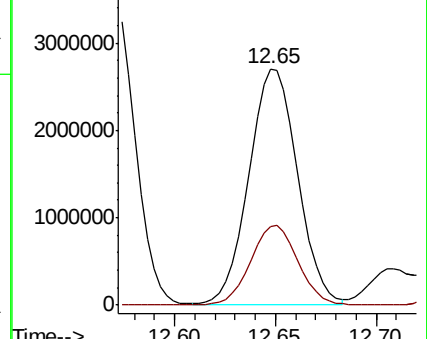
91 100

126 32.9 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN062366.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062366.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 91.805 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062366.D

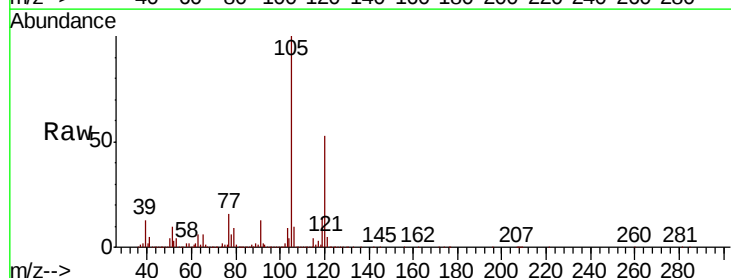
Acq: 6 Jul 2020 14:02

Tgt Ion:105 Resp: 5335654

Ion Ratio Lower Upper

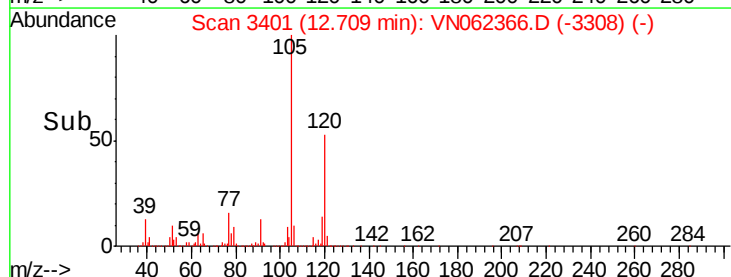
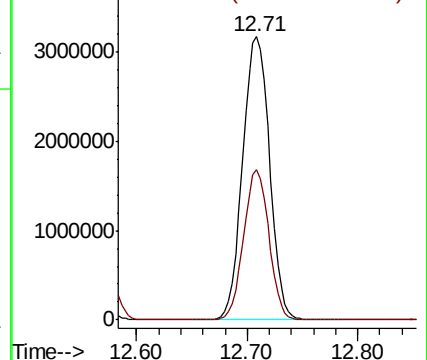
105 100

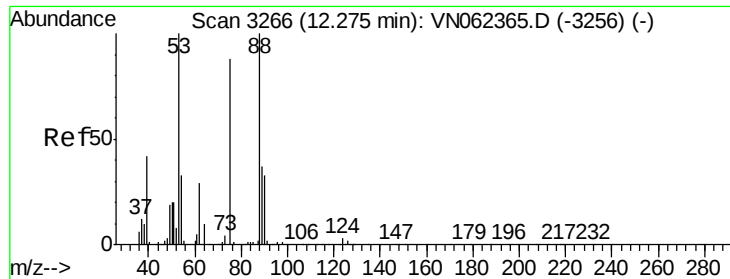
120 50.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062366.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062366.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 106.691 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

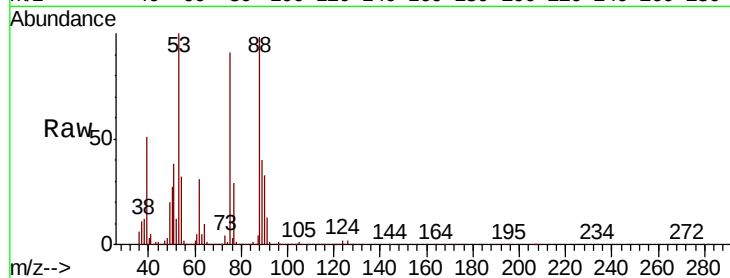
Tot Ion: 75 Resp: 803427

Ion	Ratio	Lower	Upper
75	100		
53	110.1	92.3	138.5
89	44.2	37.0	55.4

75 100

53 110.1 92.3 138.5

89 44.2 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

800000

600000

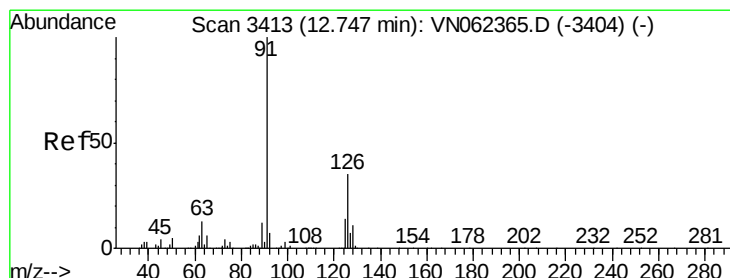
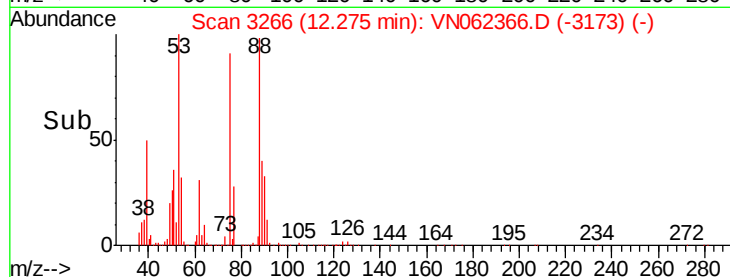
400000

200000

0

12.20 12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 93.437 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062366.D

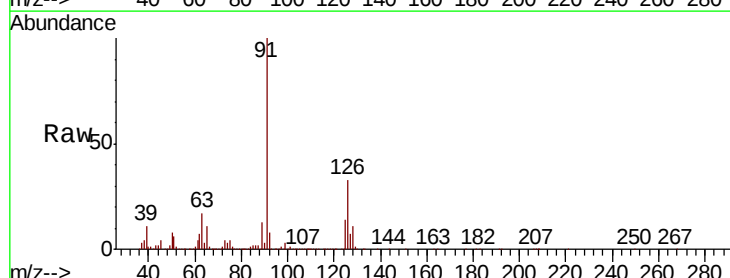
Acq: 6 Jul 2020 14:02

Tgt Ion: 91 Resp: 4803528

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.7

91 100

126 31.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

3000000

2500000

2000000

1500000

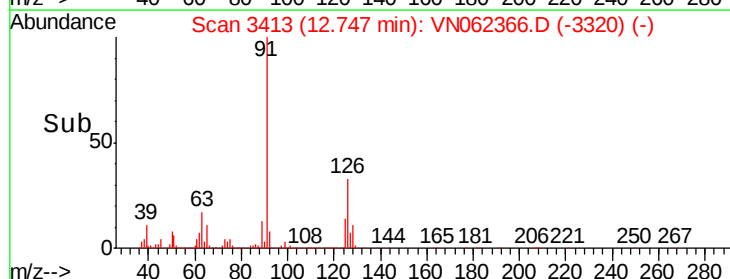
1000000

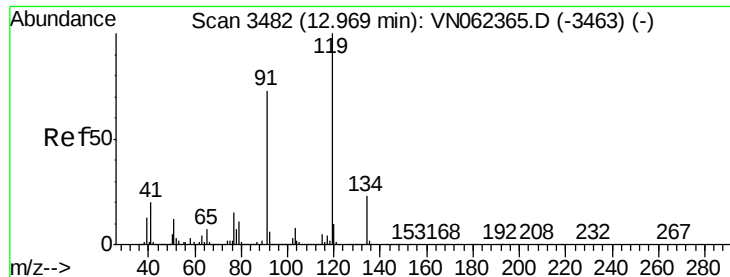
500000

0

12.70 12.80

Time-->





#83

tert-Butylbenzene

Concen: 92.814 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

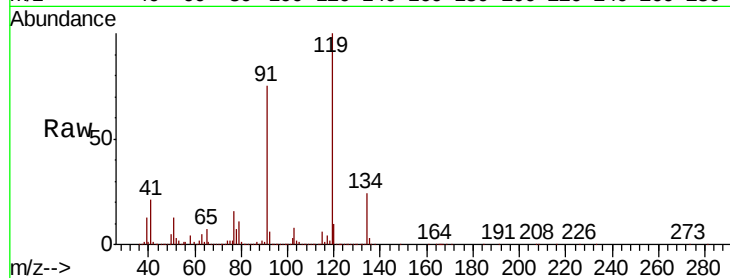
Tot Ion:119 Resp: 4590741

Ion Ratio Lower Upper

119 100

91 72.1 36.4 109.1

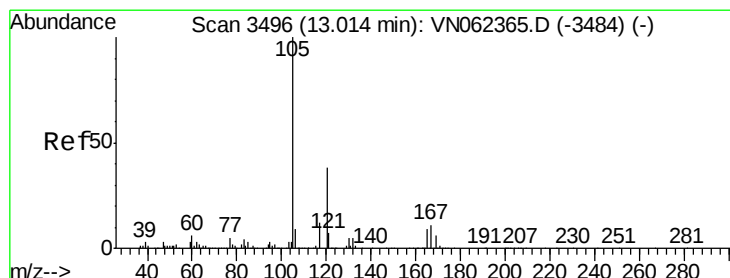
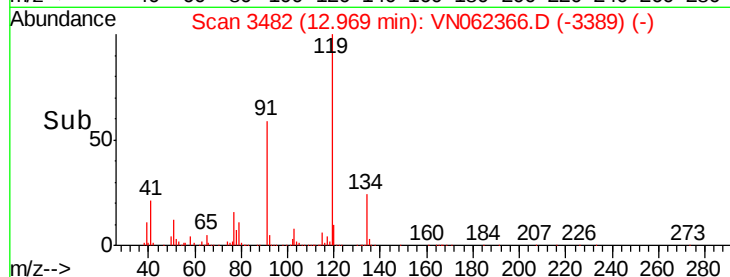
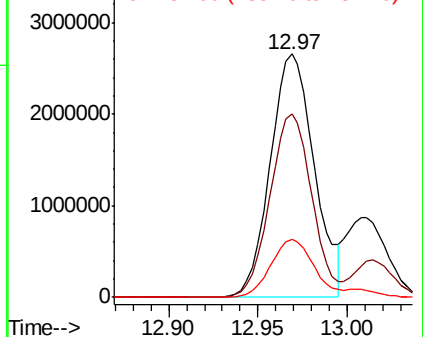
134 23.4 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 91.224 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN062366.D

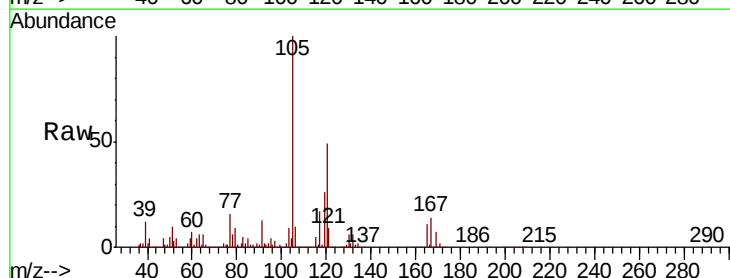
Acq: 6 Jul 2020 14:02

Tgt Ion:105 Resp: 5282605

Ion Ratio Lower Upper

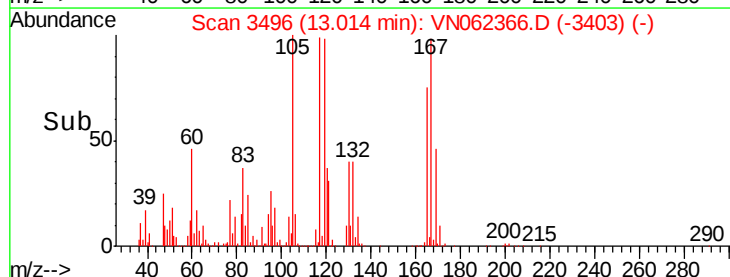
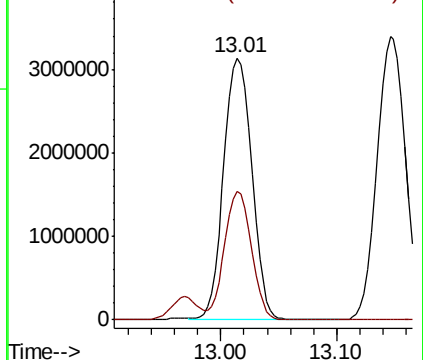
105 100

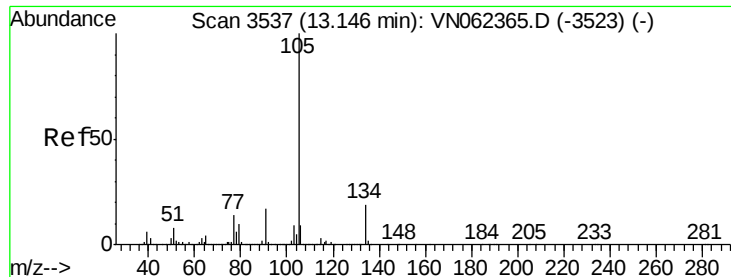
120 47.0 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 88.857 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

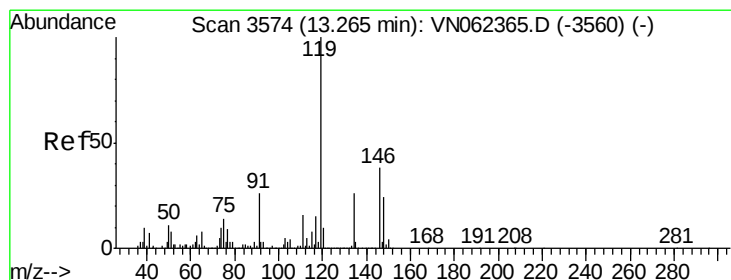
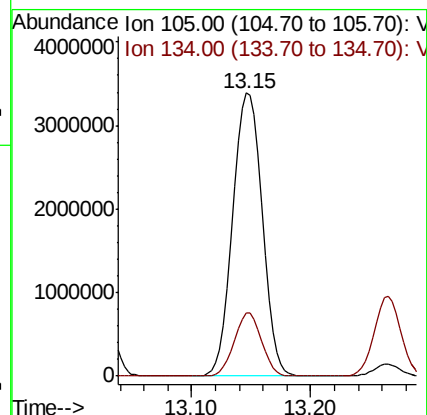
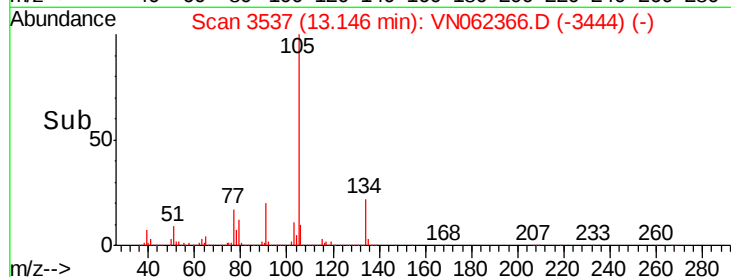
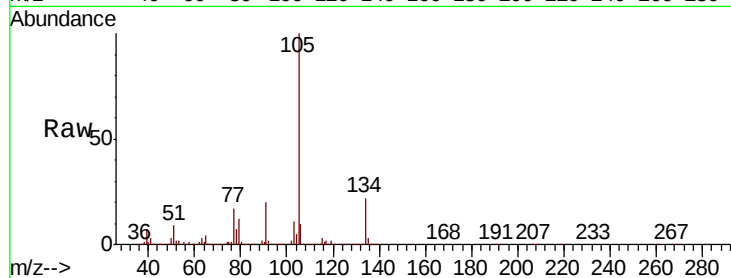
VSTDIC100

Tot Ion:105 Resp: 5836659

Ion Ratio Lower Upper

105 100

134 20.6 9.4 28.2



#86

p-Isopropyltoluene

Concen: 91.613 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

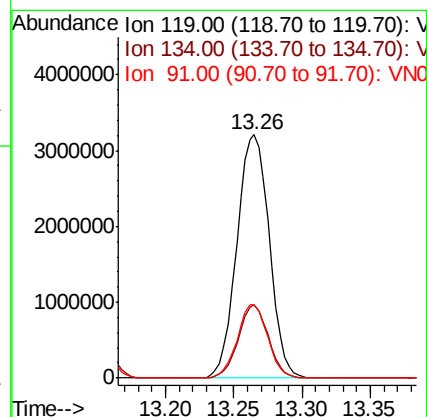
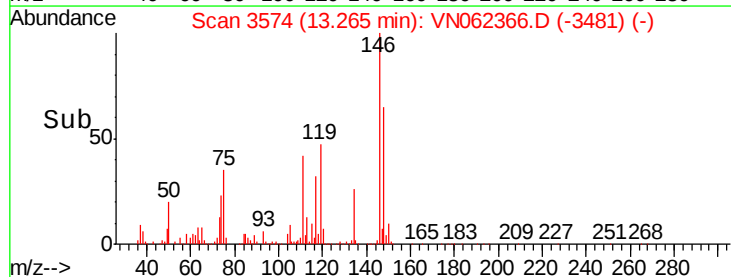
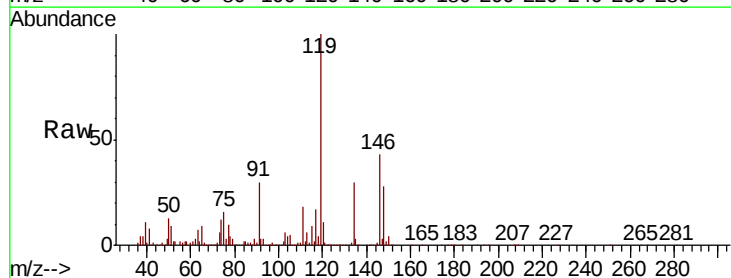
Tgt Ion:119 Resp: 5260368

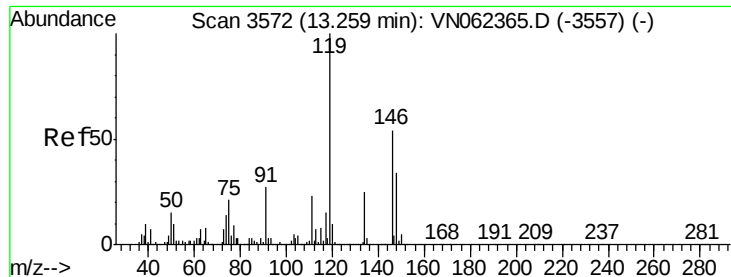
Ion Ratio Lower Upper

119 100

134 28.1 12.7 38.1

91 28.6 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 91.174 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

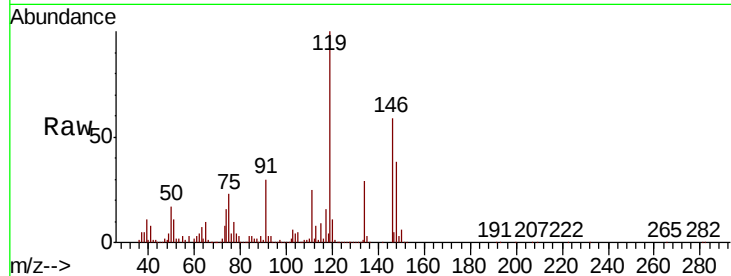
Tot Ion:146 Resp: 2825848

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.9

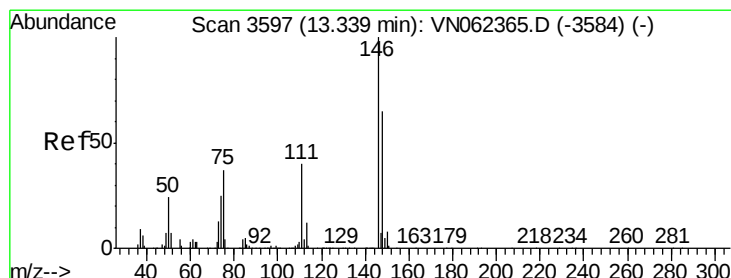
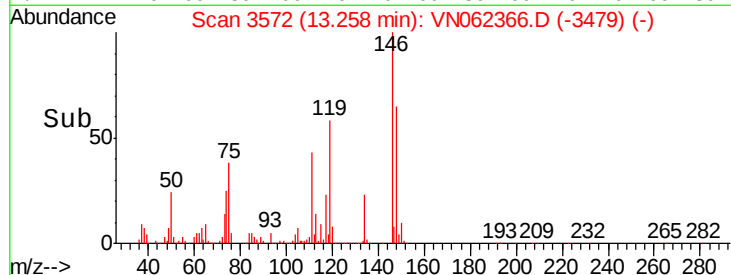
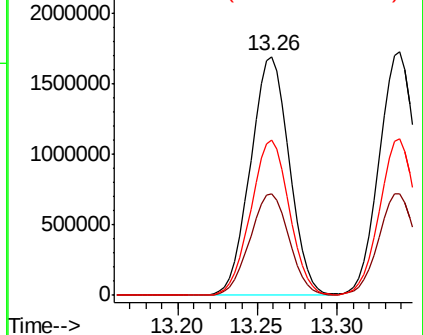
148 64.7 31.6 95.0



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: 88.648 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

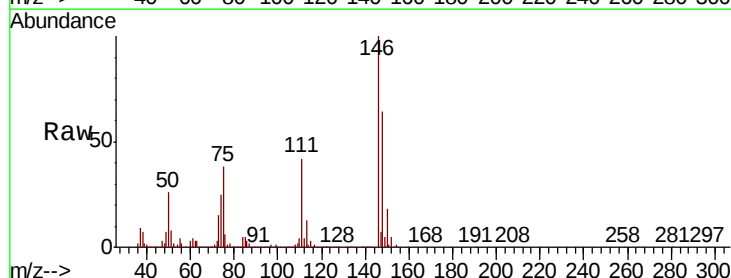
Tgt Ion:146 Resp: 2835830

Ion Ratio Lower Upper

146 100

111 41.8 20.6 61.8

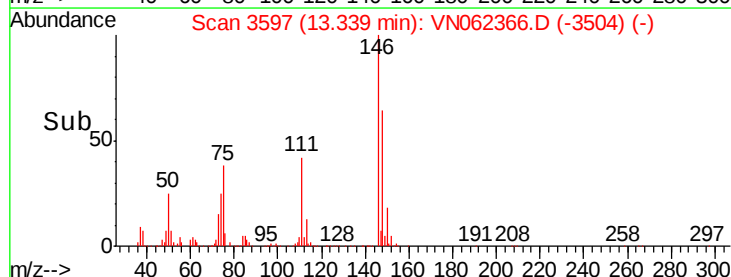
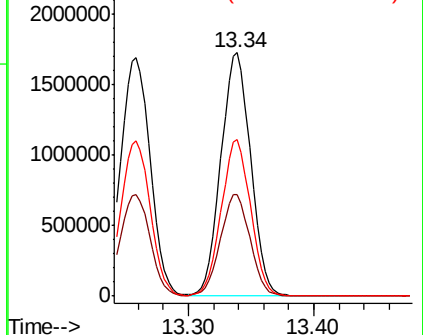
148 63.5 31.8 95.4

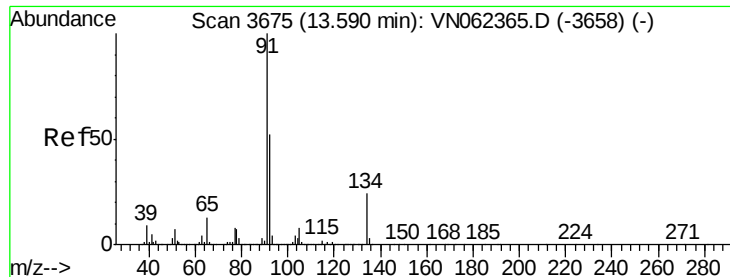


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 102.512 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

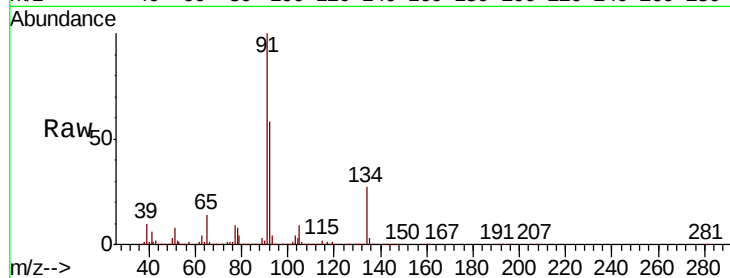
Tot Ion: 91 Resp: 4929694

Ion Ratio Lower Upper

91 100

92 54.2 25.7 77.1

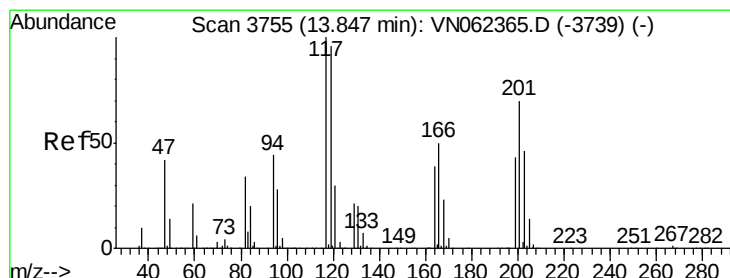
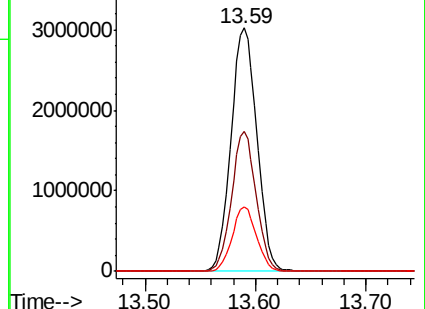
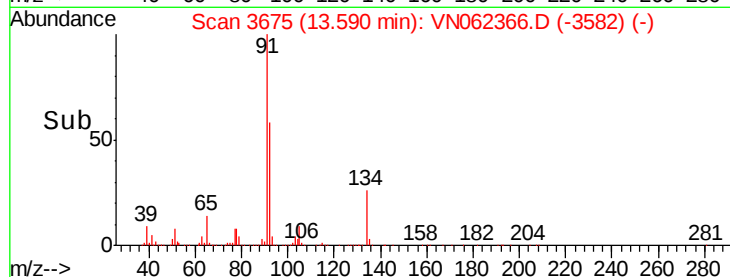
134 24.9 11.7 35.1



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) (-)



#90

Hexachloroethane

Concen: 97.538 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062366.D

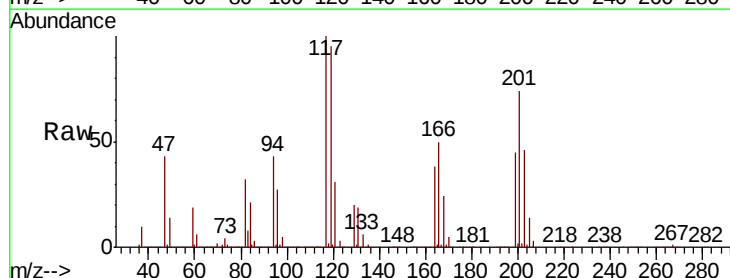
Acq: 6 Jul 2020 14:02

Tgt Ion: 117 Resp: 1114693

Ion Ratio Lower Upper

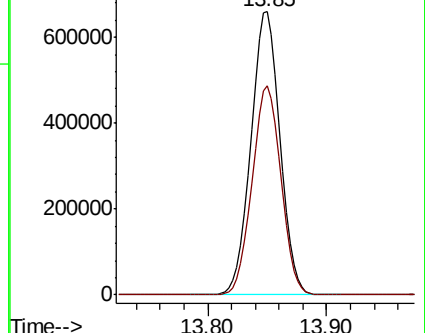
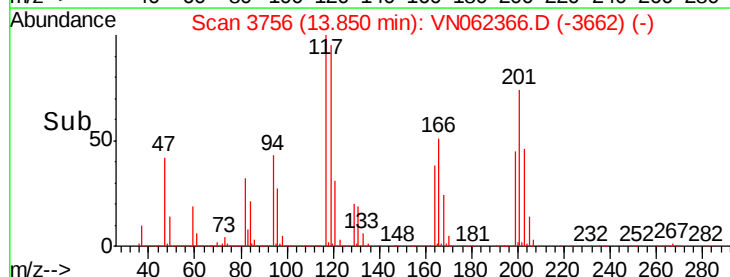
117 100

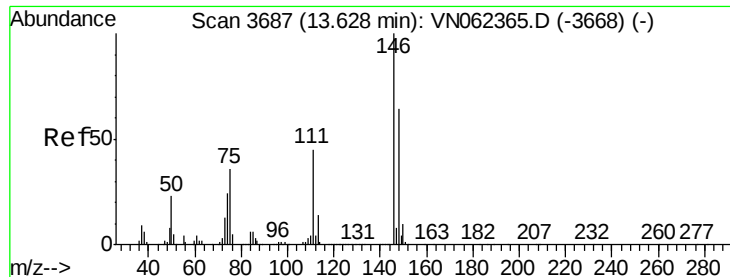
201 73.4 35.4 106.2



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

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





#91

1,2-Dichlorobenzene

Concen: 90.090 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

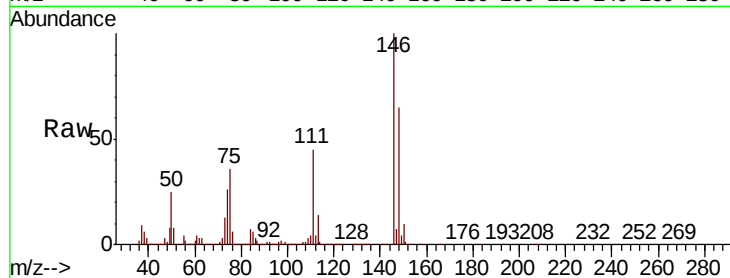
Tot Ion:146 Resp: 2708848

Ion Ratio Lower Upper

146 100

111 44.3 22.3 66.9

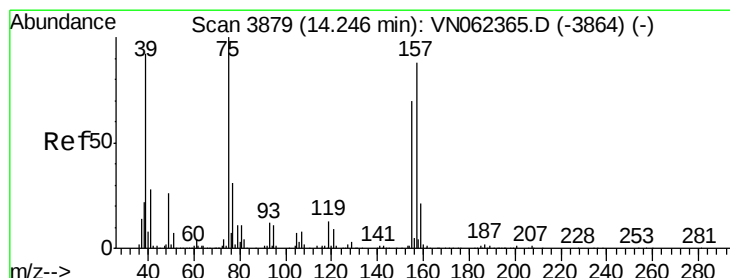
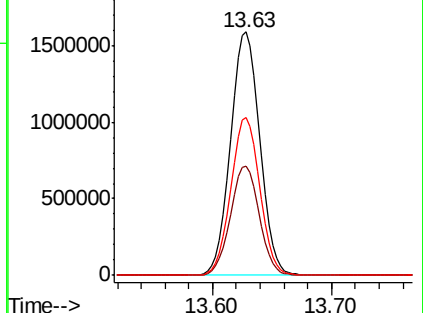
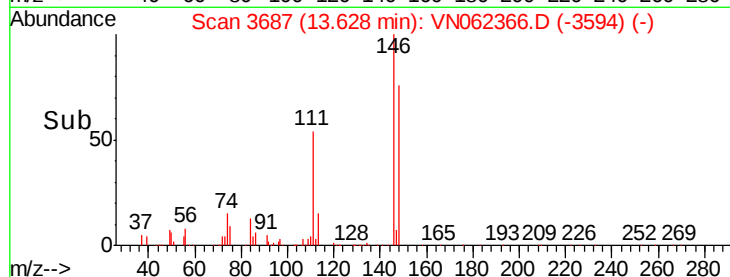
148 64.2 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 113.708 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

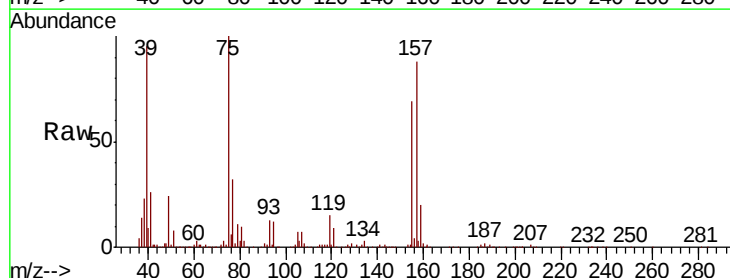
Tgt Ion: 75 Resp: 450267

Ion Ratio Lower Upper

75 100

155 69.5 34.1 102.2

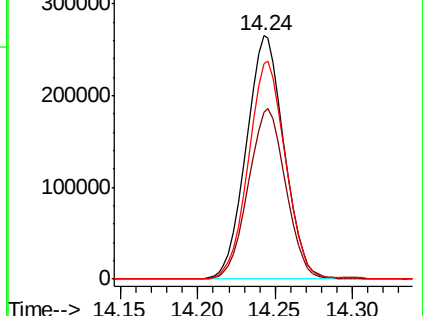
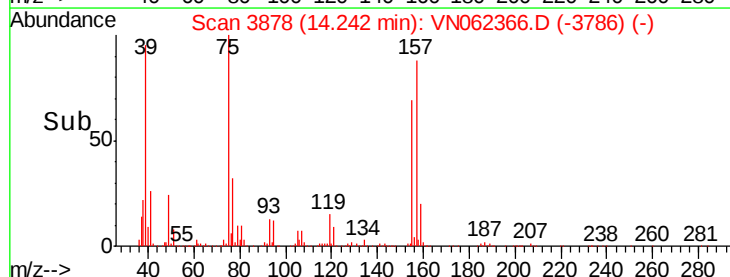
157 88.2 43.3 129.8

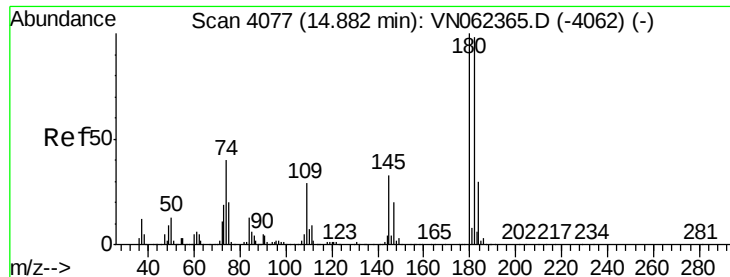


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

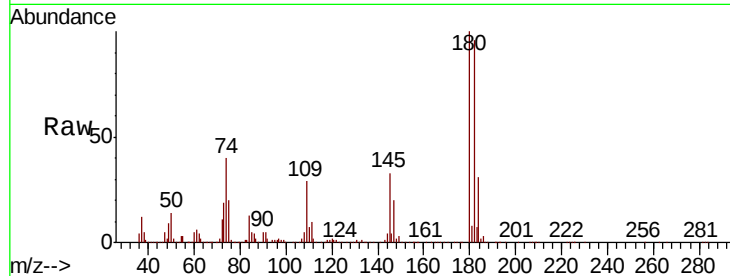




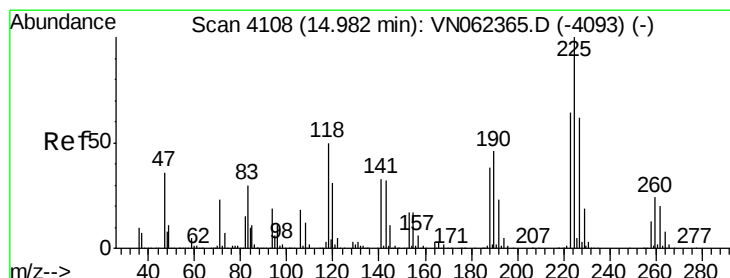
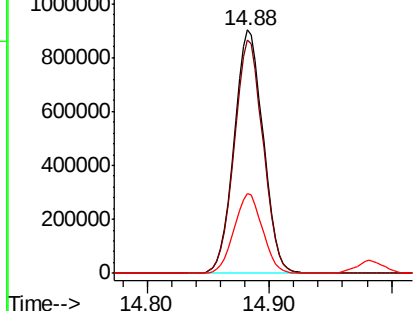
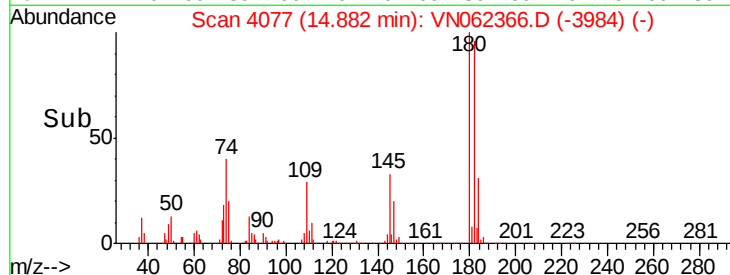
#93
 1,2,4-Trichlorobenzene
 Concen: 111.999 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1487340
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.6 142.8
 145 32.2 15.9 47.7

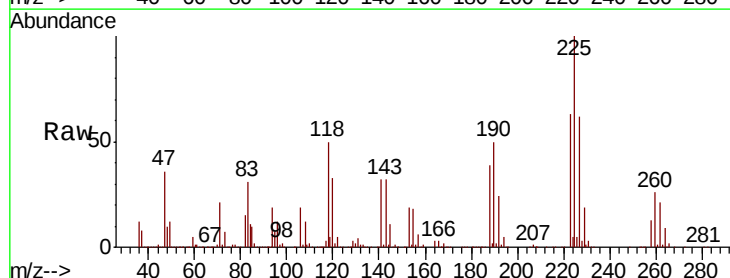


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

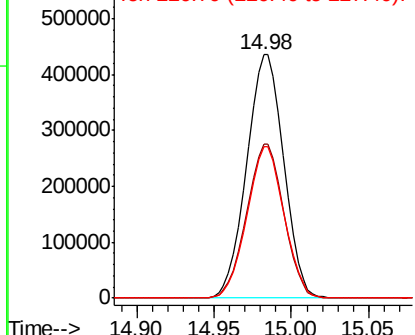
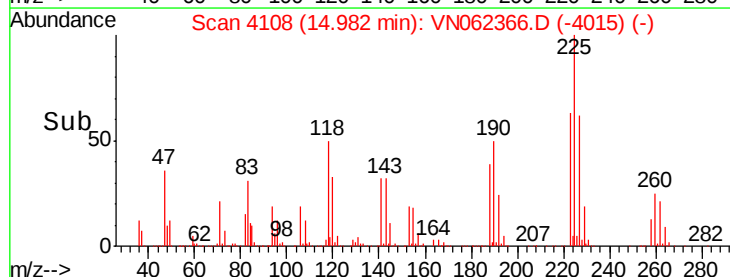


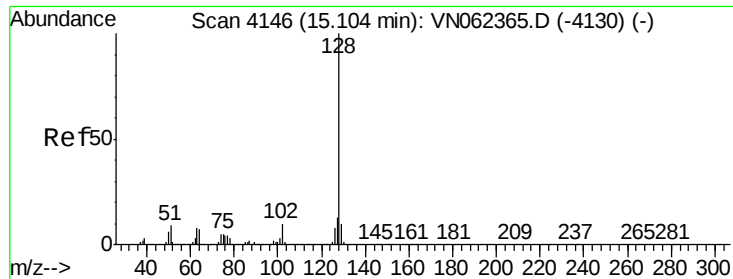
#94
 Hexachlorobutadiene
 Concen: 119.330 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062366.D
 Acq: 6 Jul 2020 14:02

Tgt Ion:225 Resp: 727984
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.7 95.1
 227 62.0 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: 106.866 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Instrument :

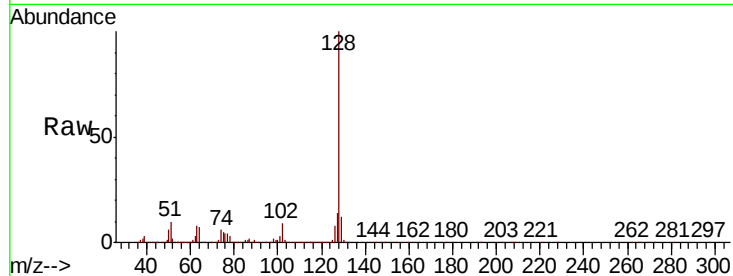
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 4072130

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.1	8.6	12.8

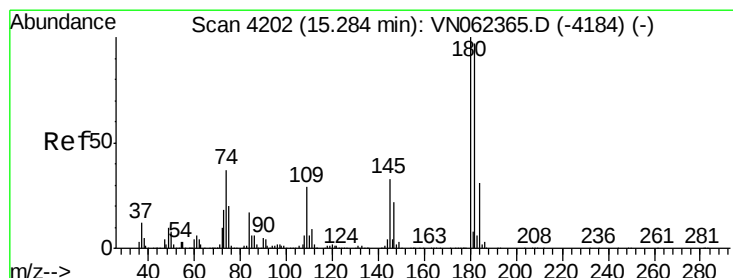
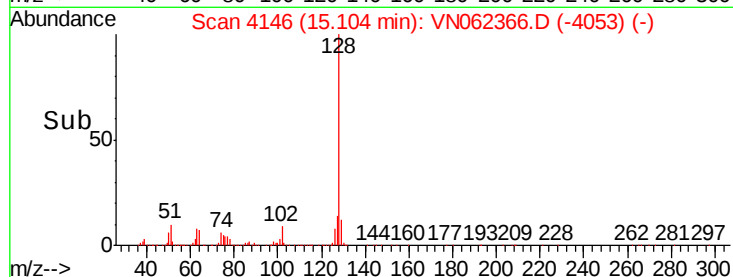
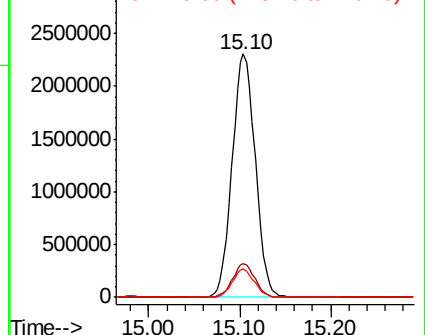


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 107.365 ug/l

RT: 15.28 min Scan# 4202

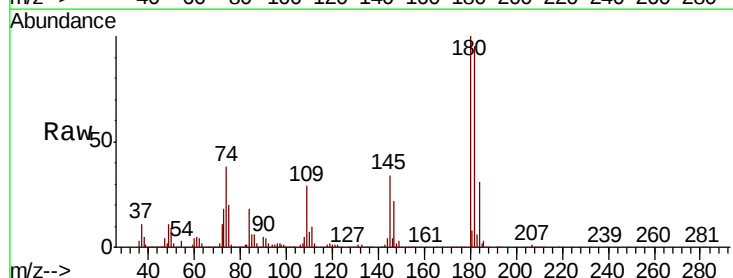
Delta R.T. -0.00 min

Lab File: VN062366.D

Acq: 6 Jul 2020 14:02

Tgt Ion:180 Resp: 1454156

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	34.1	16.4	49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

