

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062364.D
 Acq On : 6 Jul 2020 13:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 07 04:38:34 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	1073683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1845467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1687186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	767296	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	409503	25.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.42%	
35) Dibromofluoromethane	7.55	113	263307	21.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.94%	
50) Toluene-d8	10.06	98	997042	20.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.08%	
62) 4-Bromofluorobenzene	12.37	95	356888	21.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	241457	19.732	ug/l	99
3) Chloromethane	2.04	50	361500	22.048	ug/l	98
4) Vinyl Chloride	2.16	62	306444	16.468	ug/l	97
5) Bromomethane	2.53	94	177008	15.191	ug/l	93
6) Chloroethane	2.67	64	173856	13.992	ug/l	98
7) Trichlorofluoromethane	2.98	101	442530	18.638	ug/l	99
8) Diethyl Ether	3.37	74	160833	19.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	234619	19.067	ug/l	98
10) Methyl Iodide	3.91	142	299935	21.358	ug/l	97
11) Tert butyl alcohol	4.73	59	265748	115.114	ug/l #	79
12) 1,1-Dichloroethene	3.70	96	219283	17.956	ug/l	98
13) Acrolein	3.57	56	109423	56.467	ug/l	91
14) Allyl chloride	4.28	41	548159	29.519	ug/l	99
15) Acrylonitrile	4.93	53	736120	119.231	ug/l	100
16) Acetone	3.78	43	927802	154.540	ug/l	99
17) Carbon Disulfide	4.01	76	678932	17.409	ug/l	100
18) Methyl Acetate	4.28	43	366047	27.662	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	862999	21.458	ug/l	99
20) Methylene Chloride	4.50	84	285477	18.847	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	238554	17.226	ug/l	95
22) Diisopropyl ether	5.90	45	1110502	26.830	ug/l	94
23) Vinyl Acetate	5.84	43	4784225	142.008	ug/l	98
24) 1,1-Dichloroethane	5.80	63	539049	21.355	ug/l	100
25) 2-Butanone	6.79	43	1194668	147.214	ug/l	99
26) 2,2-Dichloropropane	6.78	77	438801	21.031	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	285890	18.256	ug/l	97
28) Bromochloromethane	7.15	49	307070	26.442	ug/l	100
29) Tetrahydrofuran	7.17	42	753472	142.122	ug/l	99
30) Chloroform	7.33	83	516663	20.373	ug/l	98
31) Cyclohexane	7.62	56	495444	22.858	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	440920	20.625	ug/l	98
36) 1,1-Dichloropropene	7.75	75	381109	20.265	ug/l	100
37) Ethyl Acetate	6.88	43	485198	28.654	ug/l	98
38) Carbon Tetrachloride	7.73	117	393643	21.954	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	406443	19.832	ug/l	99
40) Benzene	8.00	78	1109467	19.536	ug/l	98
41) Methacrylonitrile	7.12	41	213130	27.741	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	488927	24.400	ug/l	99
43) Isopropyl Acetate	8.13	43	790060	28.557	ug/l	100
44) Trichloroethene	8.80	130	256131	18.058	ug/l	97
45) 1,2-Dichloropropane	9.09	63	322144	22.366	ug/l	97
46) Dibromomethane	9.18	93	196256	20.473	ug/l	96
47) Bromodichloromethane	9.37	83	423027	21.672	ug/l	96
48) Methyl methacrylate	9.17	41	401304	31.571	ug/l	97
49) 1,4-Dioxane	9.17	88	100186	400.216	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2413683	150.645	ug/l	96
52) Toluene	10.12	92	660694	19.213	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	463136	21.500	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	494282	21.700	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	259478	19.201	ug/l	97
56) Ethyl methacrylate	10.40	69	421150	22.510	ug/l	98
57) 1,3-Dichloropropane	10.68	76	485069	20.499	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	750359	106.716	ug/l	99
59) 2-Hexanone	10.72	43	1789980	153.071	ug/l	96
60) Dibromochloromethane	10.87	129	298454	20.536	ug/l	100
61) 1,2-Dibromoethane	10.98	107	272582	19.593	ug/l	97
64) Tetrachloroethene	10.60	164	210943	18.434	ug/l	96
65) Chlorobenzene	11.40	112	700652	18.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	265850	20.630	ug/l	99
67) Ethyl Benzene	11.48	91	1312226	20.879	ug/l	99
68) m/p-Xylenes	11.59	106	937287	38.957	ug/l	94
69) o-Xylene	11.92	106	451322	19.892	ug/l	100
70) Styrene	11.94	104	752940	19.858	ug/l	99
71) Bromoform	12.10	173	195690	21.048	ug/l #	98
73) Isopropylbenzene	12.22	105	1240362	20.938	ug/l	99
74) N-amyl acetate	12.05	43	662000	30.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	413927	20.837	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	549789	30.386	ug/l #	100
77) Bromobenzene	12.50	156	278344	19.040	ug/l	99
78) n-propylbenzene	12.57	91	1434763	21.108	ug/l	100
79) 2-Chlorotoluene	12.65	91	871920	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1032738	21.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	131320	20.990	ug/l	95
82) 4-Chlorotoluene	12.75	91	883700	20.690	ug/l	99
83) tert-Butylbenzene	12.97	119	880021	21.416	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	1003405	20.857	ug/l	99
85) sec-Butylbenzene	13.15	105	1131813	20.740	ug/l	100
86) p-Isopropyltoluene	13.27	119	996297	20.885	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	485303	18.847	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	487874	18.357	ug/l	97
89) n-Butylbenzene	13.59	91	821168	20.554	ug/l	98
90) Hexachloroethane	13.85	117	202227	21.299	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	483002	19.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	80168	24.368	ug/l	97

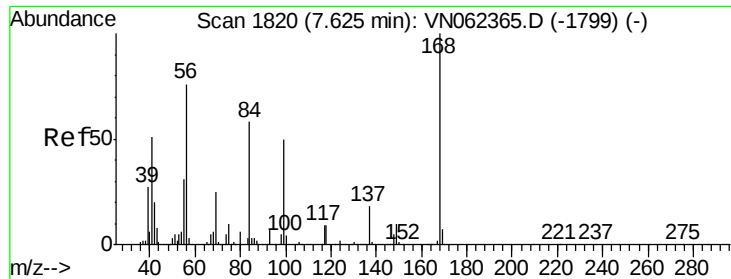
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216879	19.657	ug/l	99
94) Hexachlorobutadiene	14.98	225	128331	25.320	ug/l	97
95) Naphthalene	15.10	128	580493	18.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	214959	19.104	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

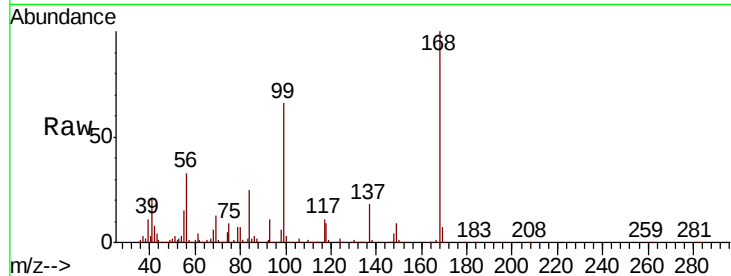
VSTDIC020

Tot Ion:168 Resp: 1073683

Ion Ratio Lower Upper

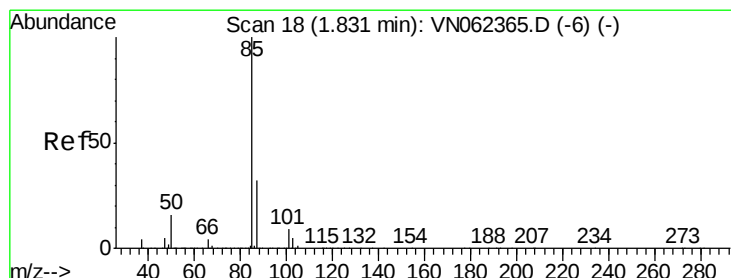
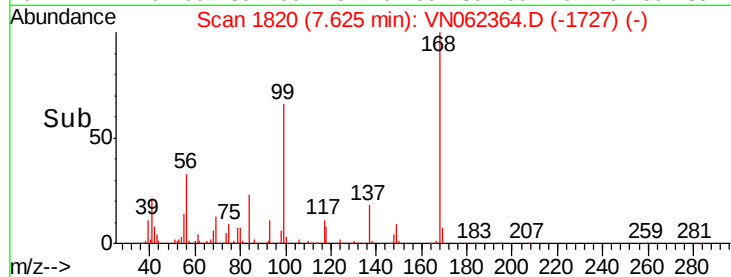
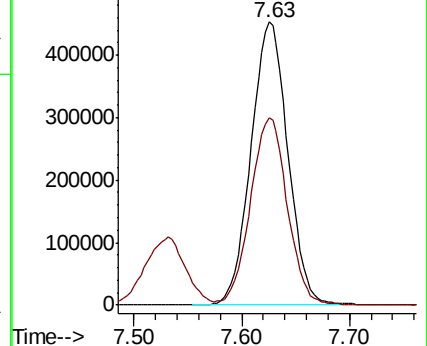
168 100

99 65.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.732 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062364.D

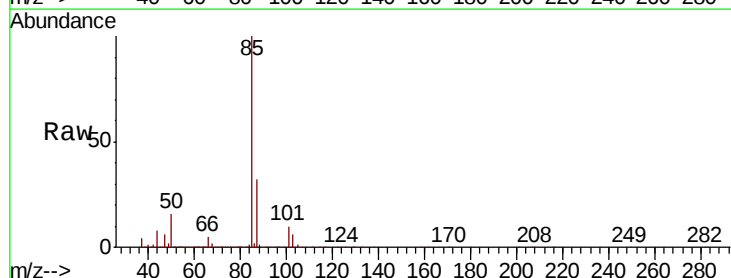
Acq: 6 Jul 2020 13:14

Tgt Ion: 85 Resp: 241457

Ion Ratio Lower Upper

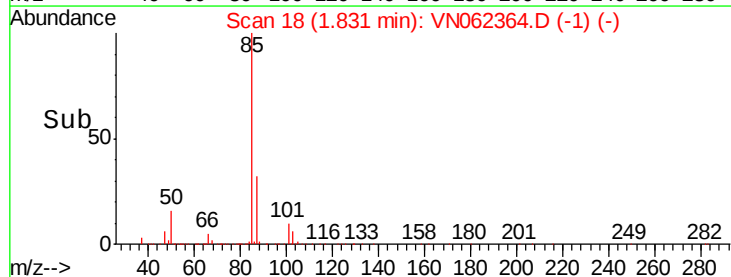
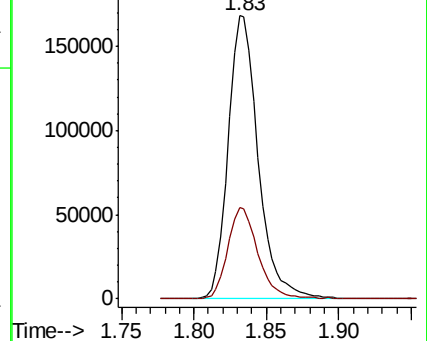
85 100

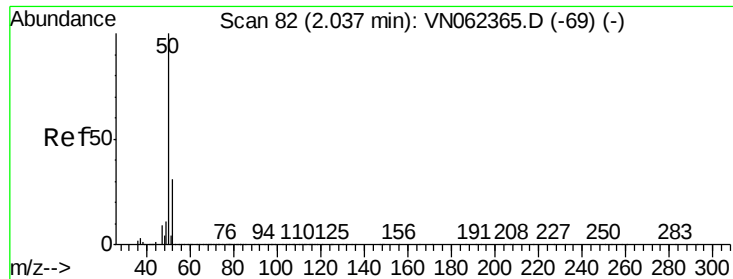
87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

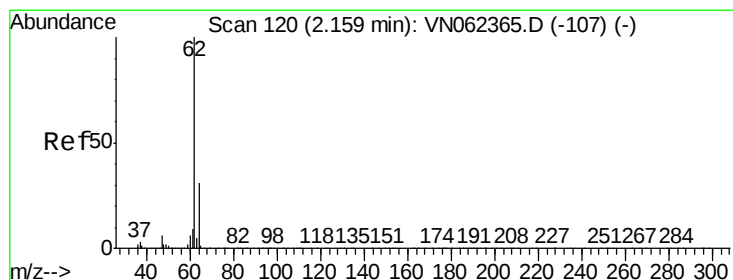
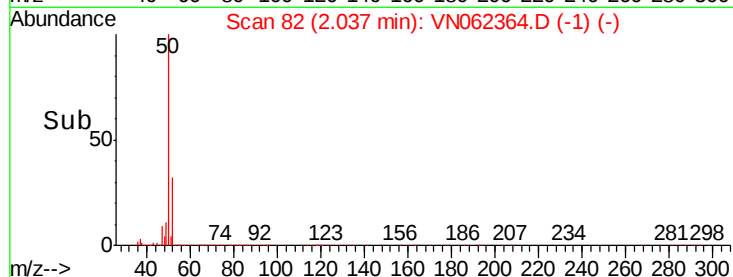
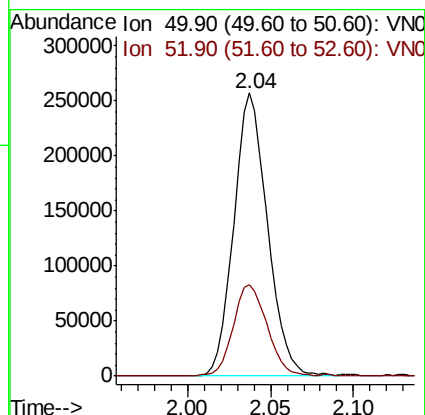
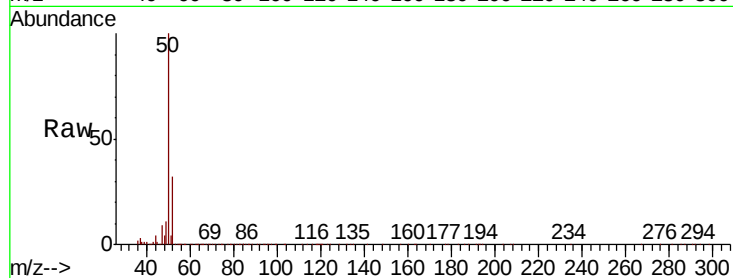




#3
Chloromethane
Concen: 22.048 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

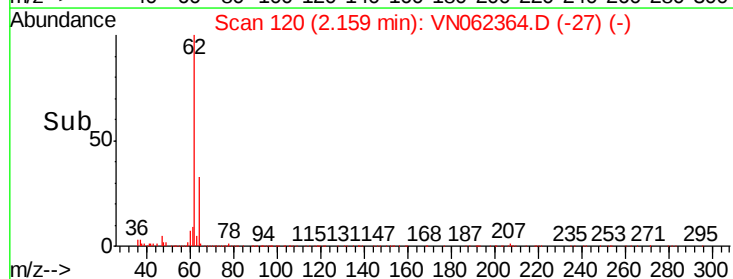
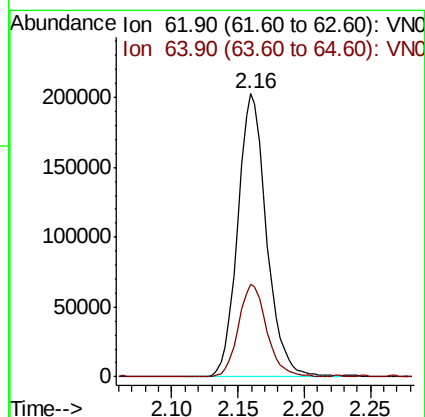
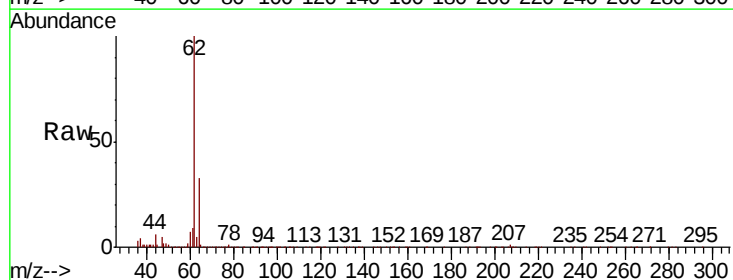
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

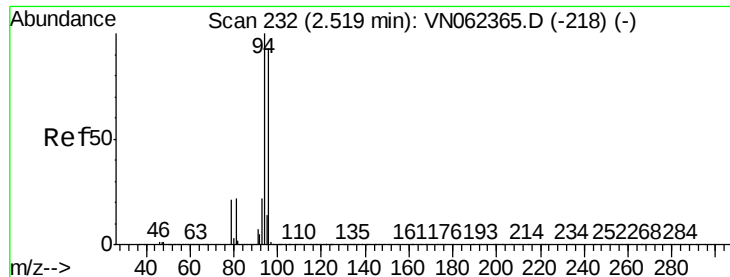
Tot Ion: 50 Resp: 361500
Ion Ratio Lower Upper
50 100
52 32.3 25.0 37.6



#4
Vinyl Chloride
Concen: 16.468 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 62 Resp: 306444
Ion Ratio Lower Upper
62 100
64 32.6 24.9 37.3





#5

Bromomethane

Concen: 15.191 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

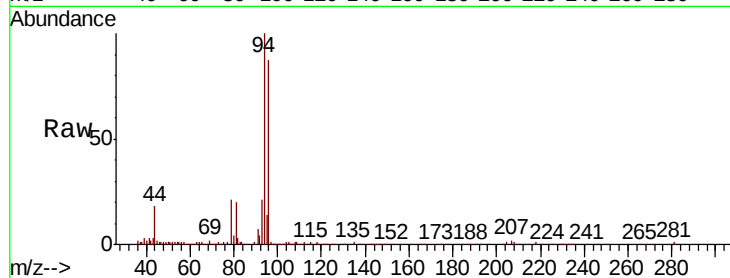
VSTDIC020

Tot Ion: 94 Resp: 177008

Ion Ratio Lower Upper

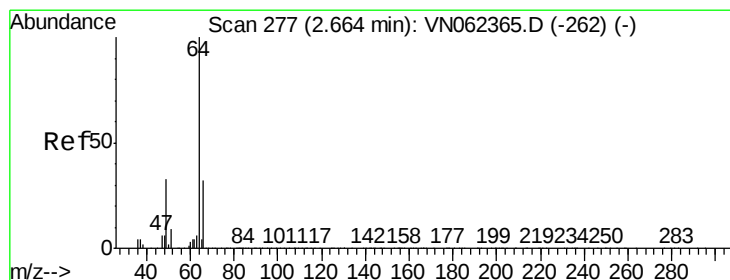
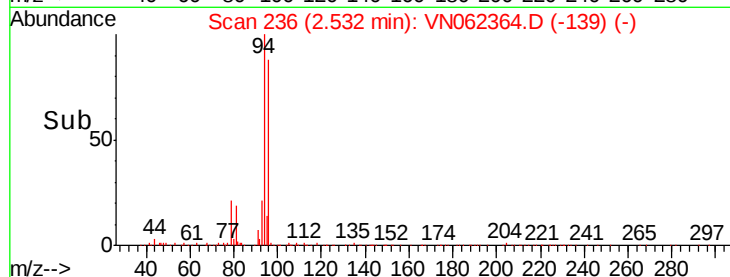
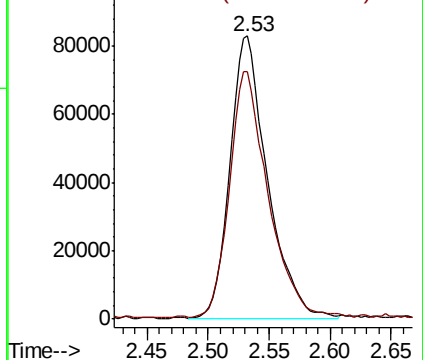
94 100

96 86.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 13.992 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062364.D

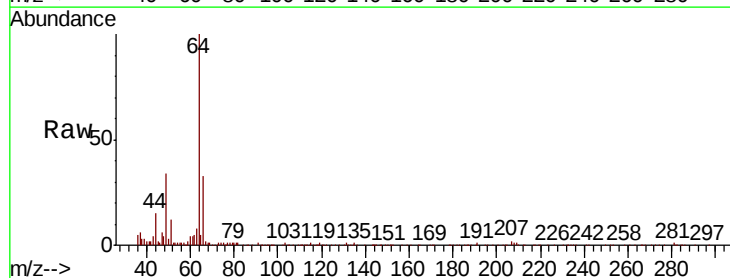
Acq: 6 Jul 2020 13:14

Tgt Ion: 64 Resp: 173856

Ion Ratio Lower Upper

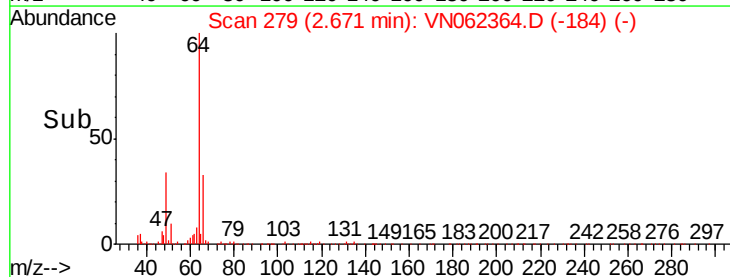
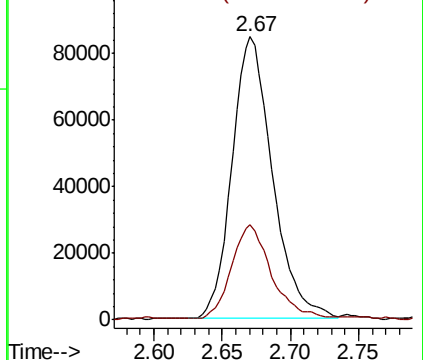
64 100

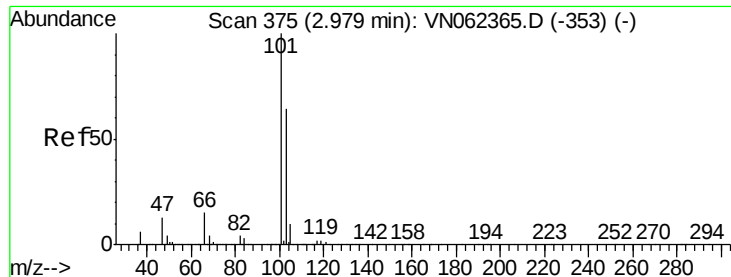
66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



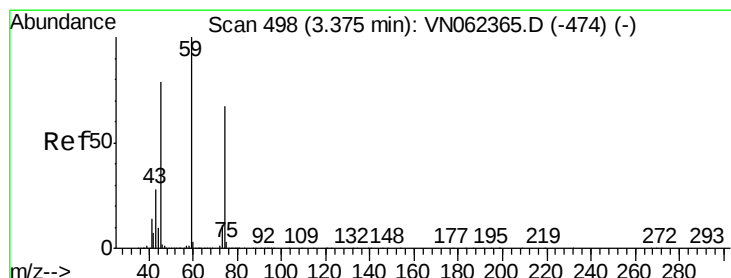
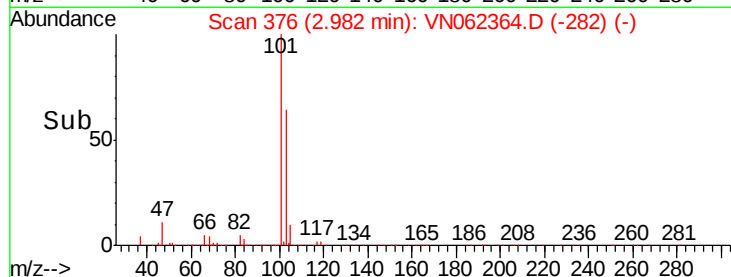
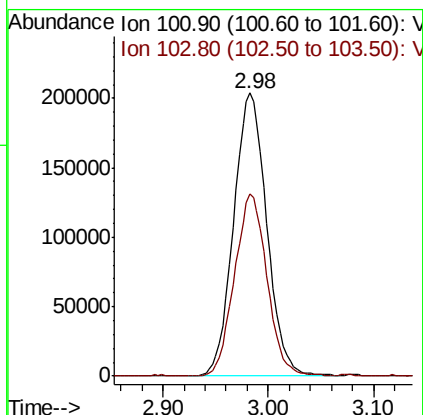
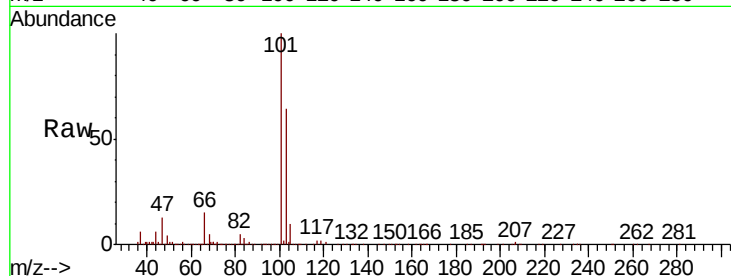


#7

Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
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ClientSampleId :
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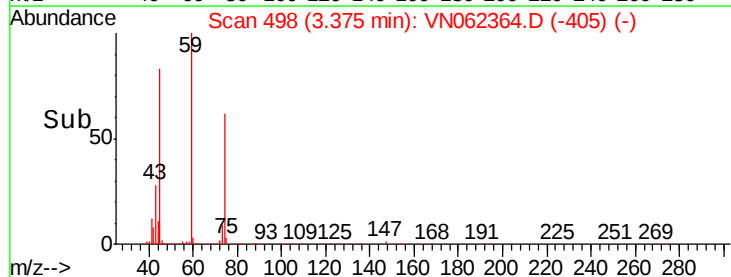
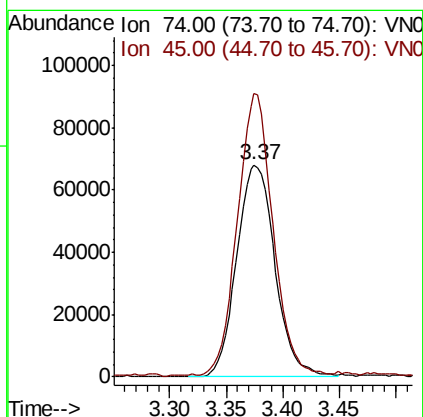
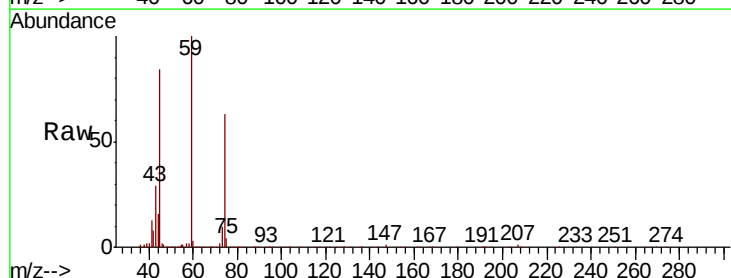
Tot Ion:101 Resp: 442530
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

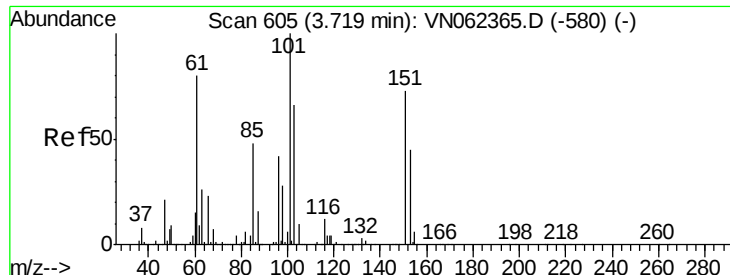


#8

Diethyl Ether
Concen: 19.458 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 74 Resp: 160833
Ion Ratio Lower Upper
74 100
45 121.9 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.067 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

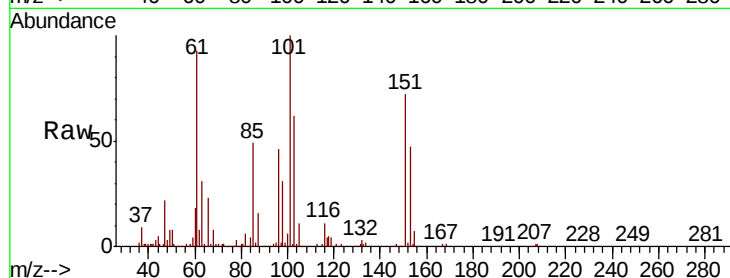
Tot Ion:101 Resp: 234619

Ion Ratio Lower Upper

101 100

85 49.9 38.6 57.8

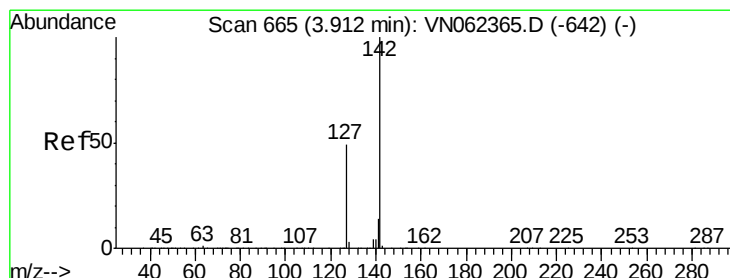
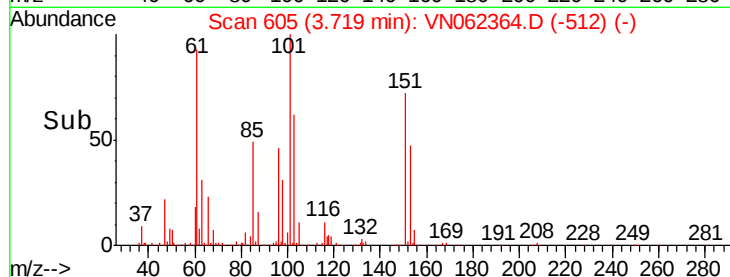
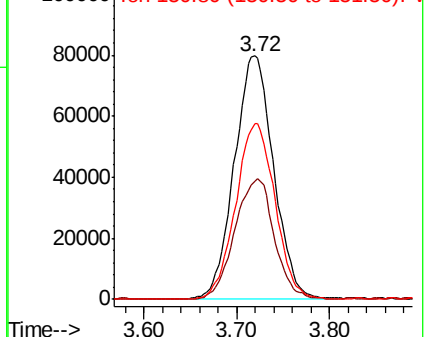
151 71.8 58.3 87.5



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: 21.358 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

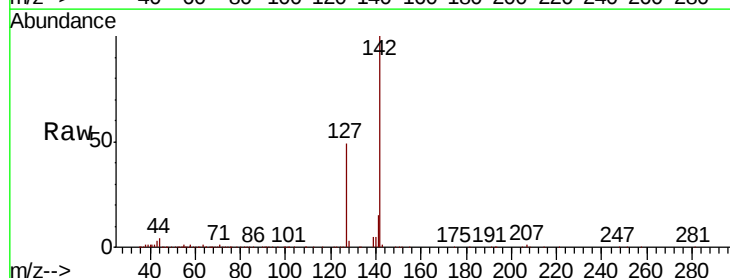
Tgt Ion:142 Resp: 299935

Ion Ratio Lower Upper

142 100

127 48.6 41.0 61.6

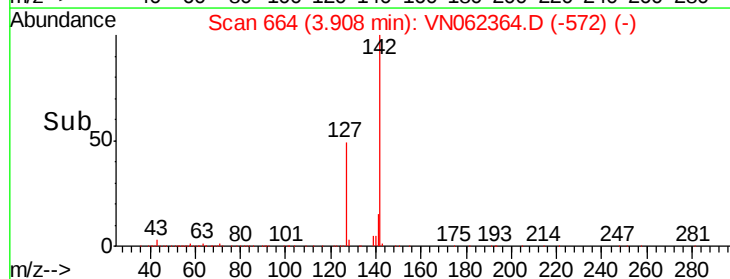
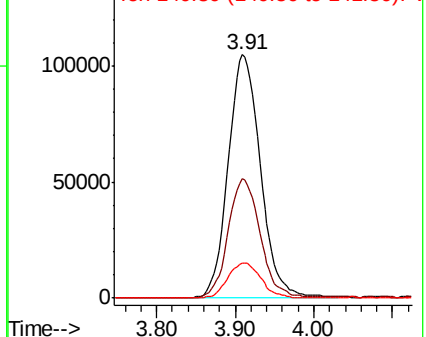
141 15.0 11.8 17.8

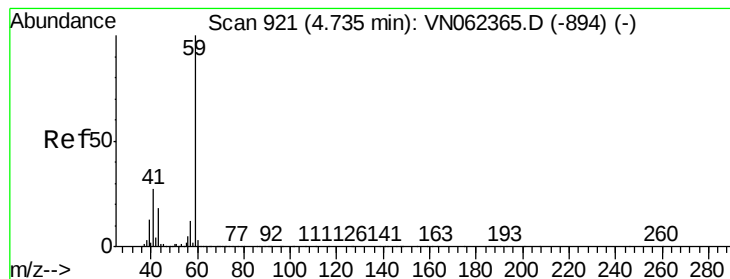


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



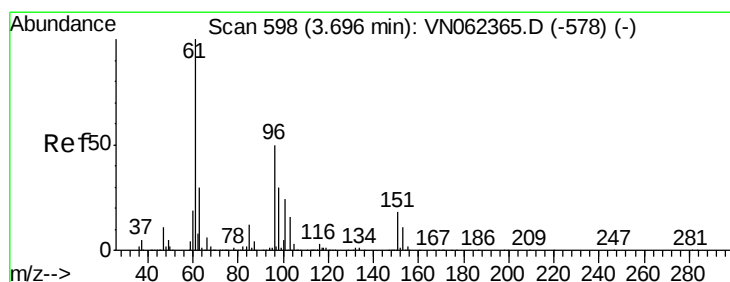
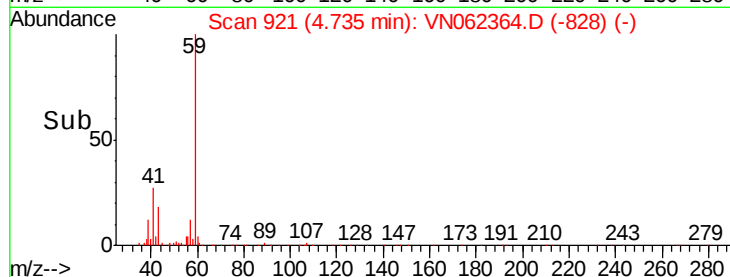
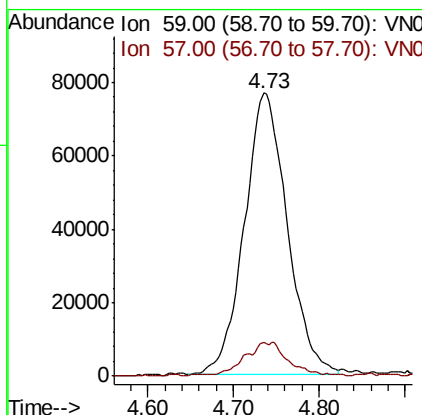
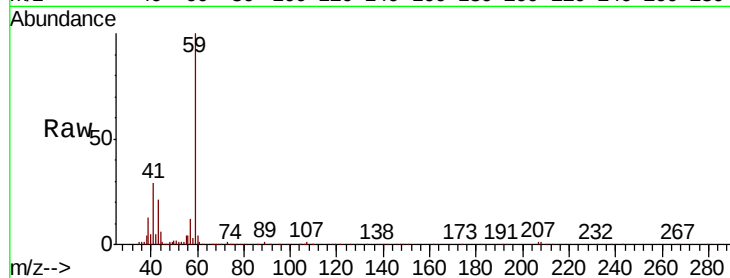


#11

Tert butyl alcohol
 Concen: 115.114 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

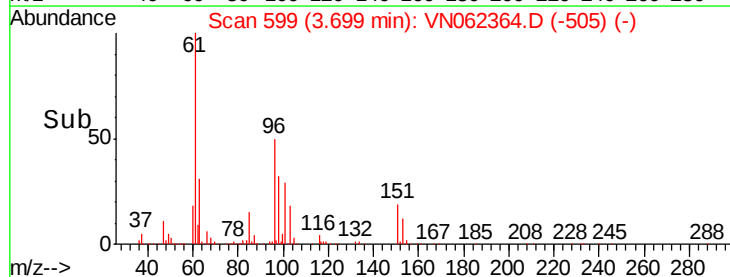
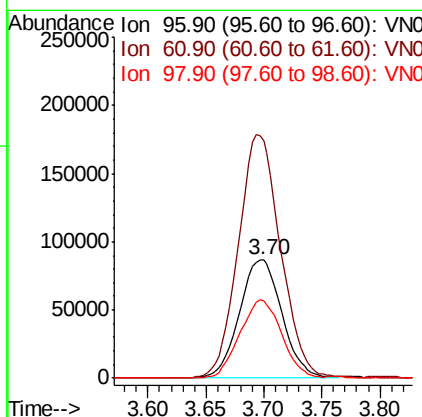
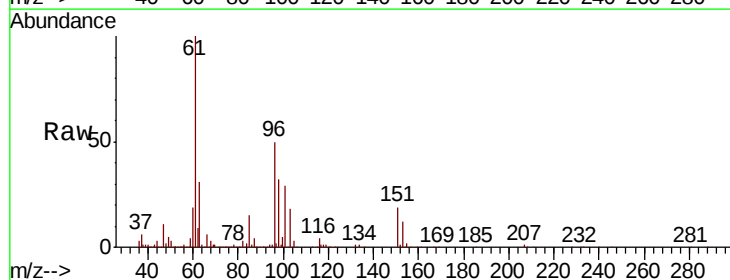
Tot Ion: 59 Resp: 265748
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.5 12.7#

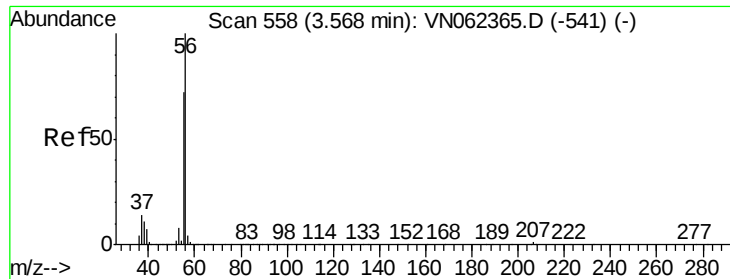


#12

1,1-Dichloroethene
 Concen: 17.956 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 96 Resp: 219283
 Ion Ratio Lower Upper
 96 100
 61 200.5 161.4 242.0
 98 65.2 48.8 73.2





#13

Acrolein

Concen: 56.467 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

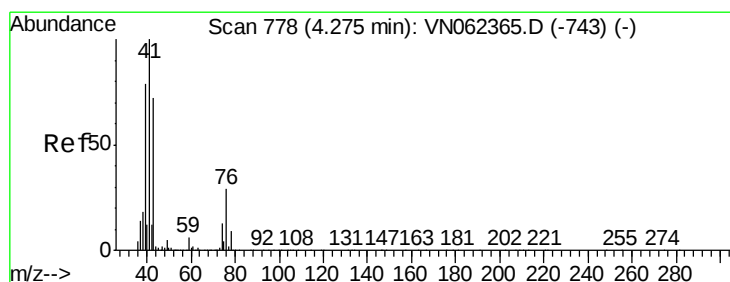
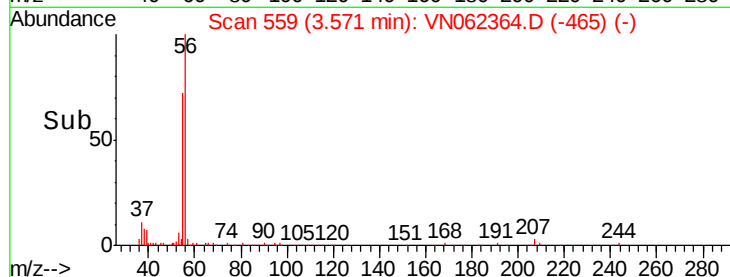
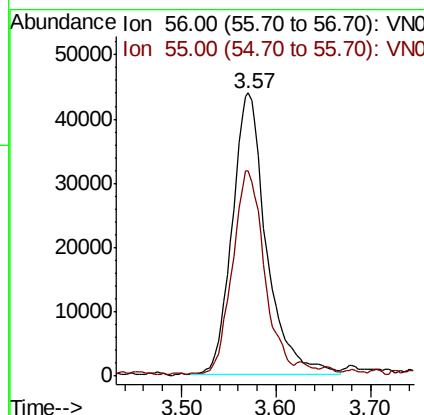
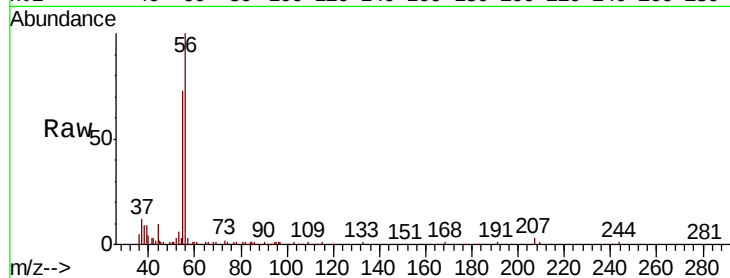
VSTDIC020

Tot Ion: 56 Resp: 109423

Ion Ratio Lower Upper

56 100

55 67.2 59.6 89.4



#14

Allyl chloride

Concen: 29.519 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

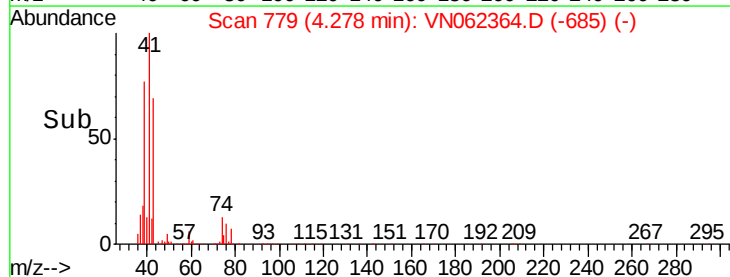
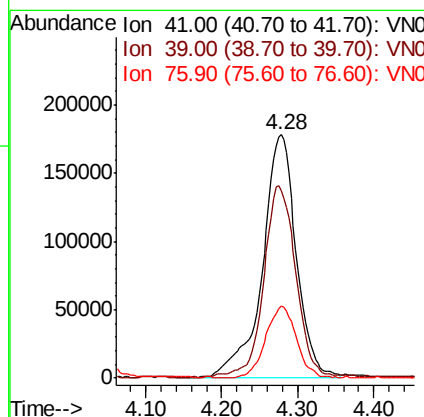
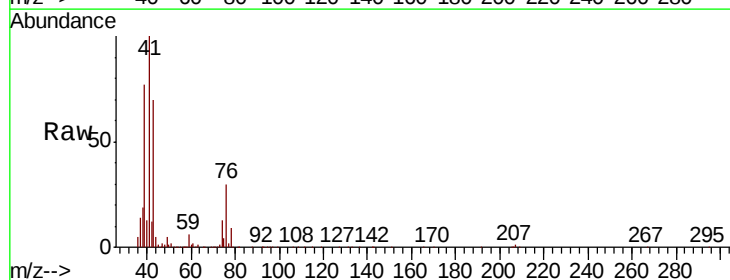
Tgt Ion: 41 Resp: 548159

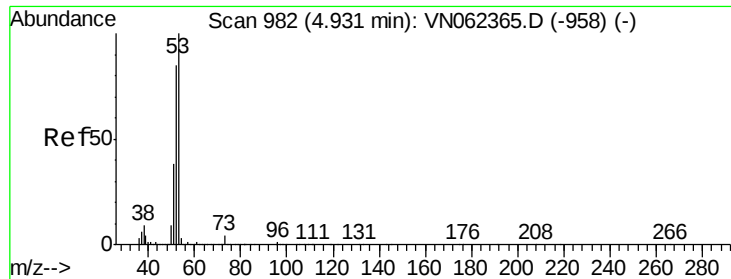
Ion Ratio Lower Upper

41 100

39 74.1 59.8 89.6

76 26.6 20.7 31.1





#15

Acrylonitrile

Concen: 119.231 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

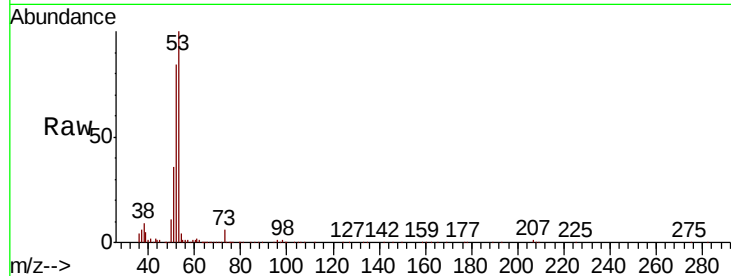
Tot Ion: 53 Resp: 736120

Ion Ratio Lower Upper

53 100

52 84.5 67.6 101.4

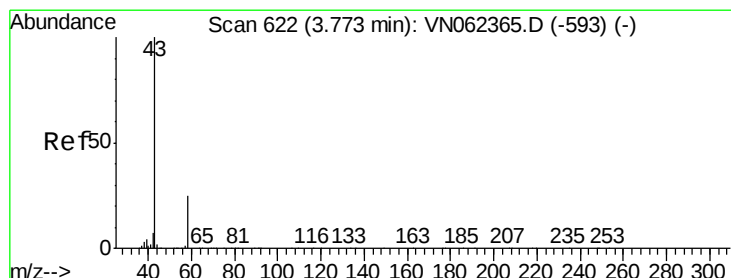
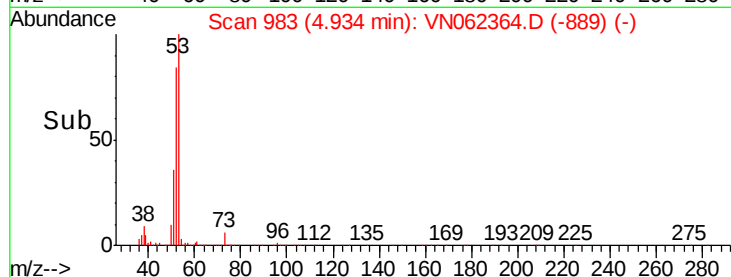
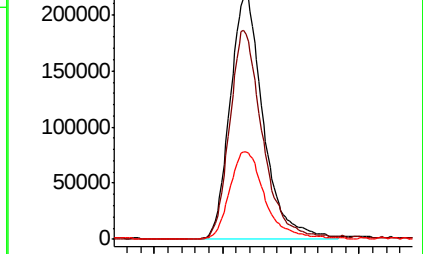
51 37.5 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VN062365.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN062365.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN062365.D (-958) (-)



#16

Acetone

Concen: 154.540 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062364.D

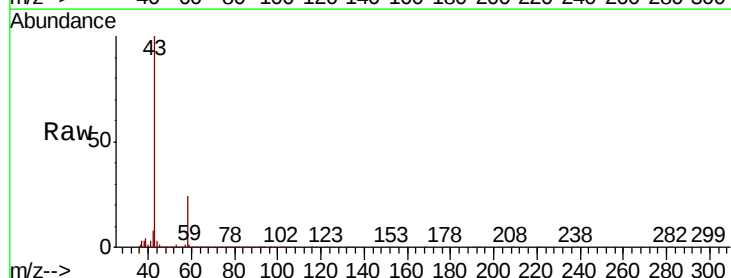
Acq: 6 Jul 2020 13:14

Tgt Ion: 43 Resp: 927802

Ion Ratio Lower Upper

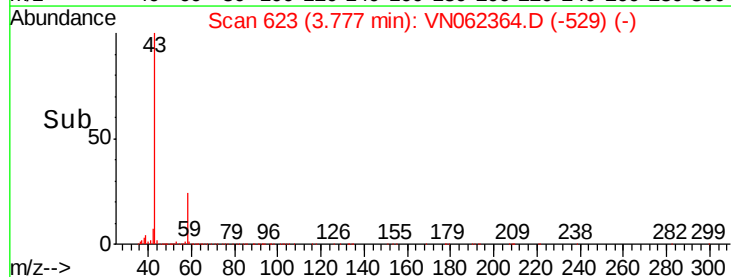
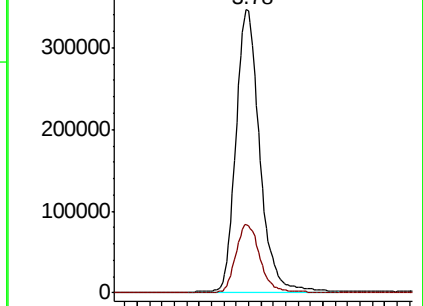
43 100

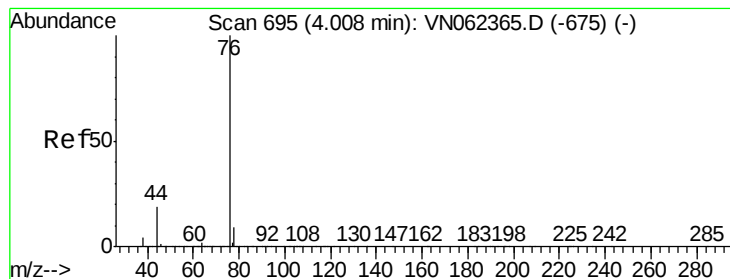
58 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN062365.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN062365.D (-593) (-)





#17

Carbon Disulfide

Concen: 17.409 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

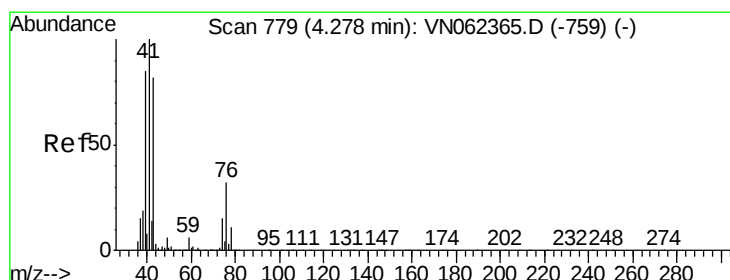
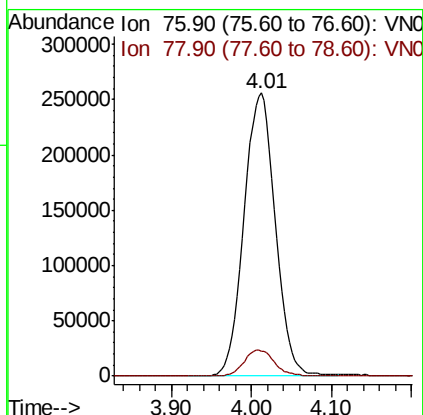
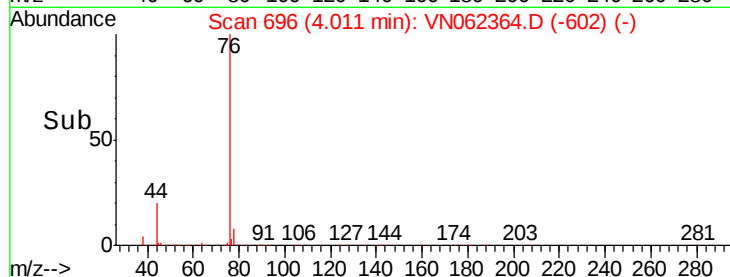
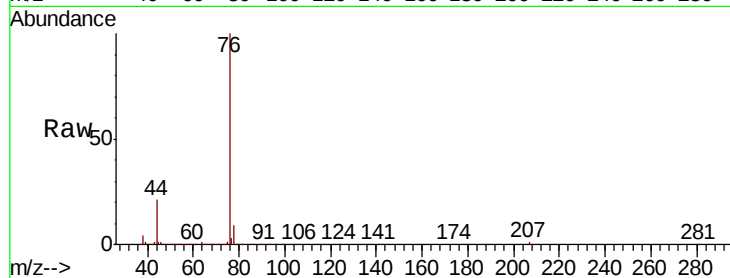
VSTDIC020

Tot Ion: 76 Resp: 678932

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3



#18

Methyl Acetate

Concen: 27.662 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062364.D

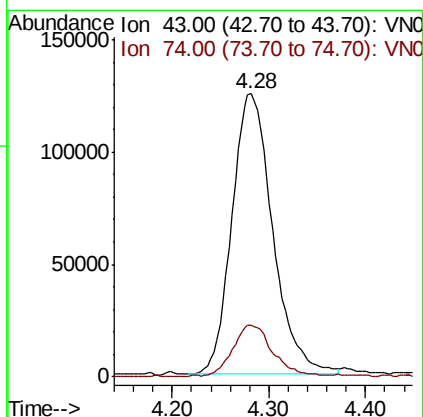
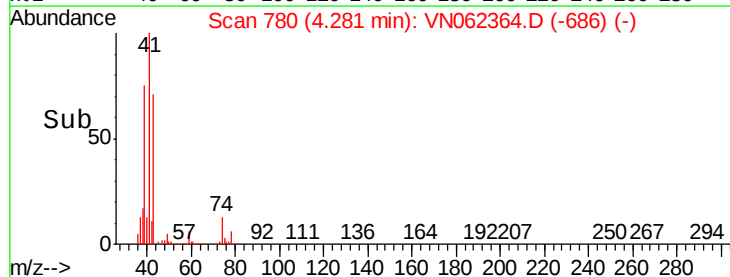
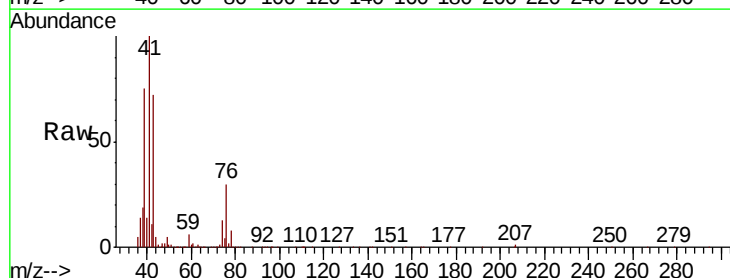
Acq: 6 Jul 2020 13:14

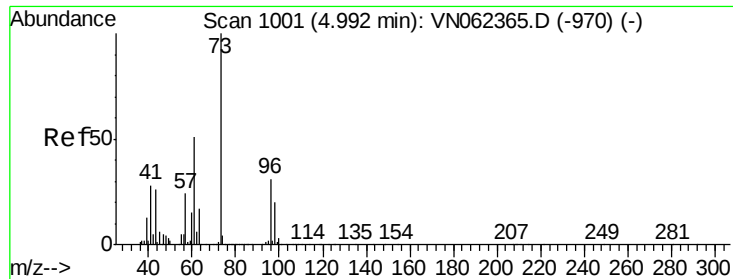
Tgt Ion: 43 Resp: 366047

Ion Ratio Lower Upper

43 100

74 17.6 14.2 21.4



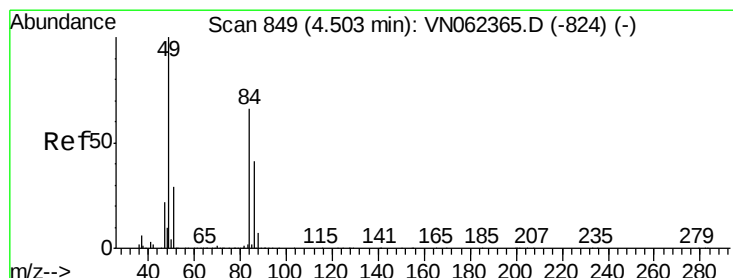
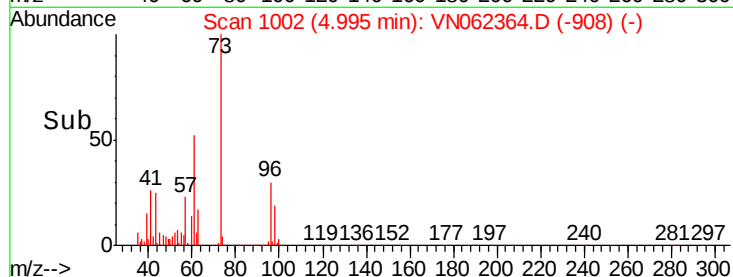
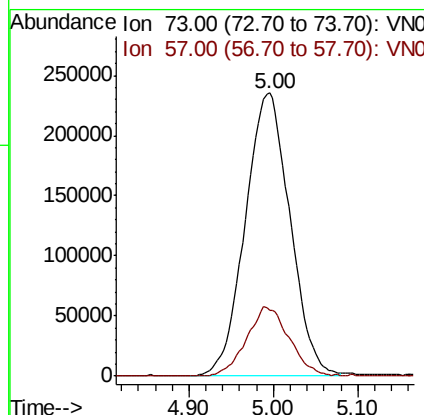
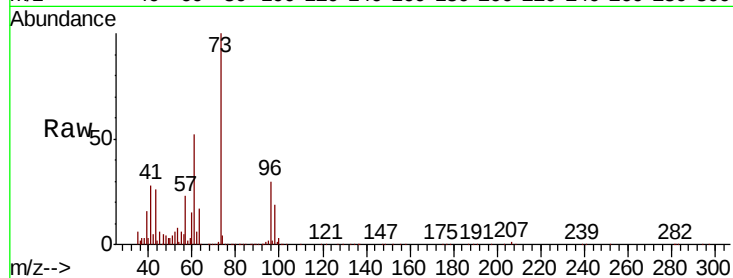


#19

Methyl tert-butyl Ether
 Concen: 21.458 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

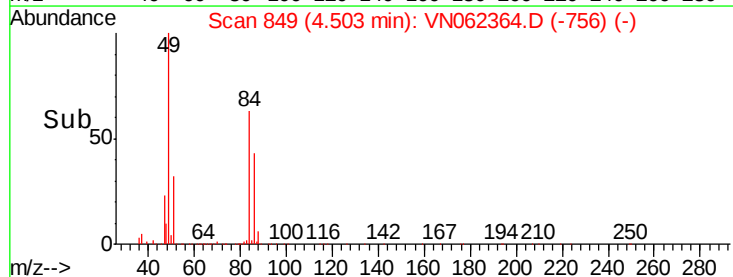
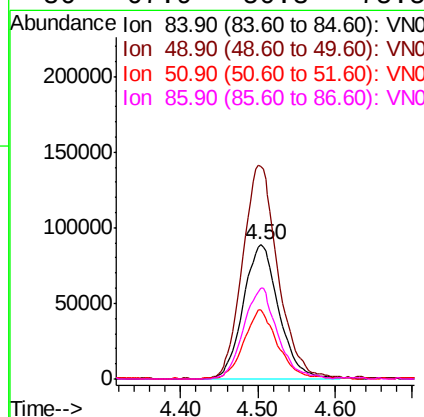
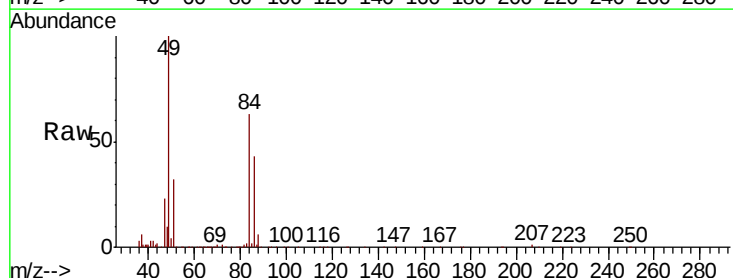
Tot Ion: 73 Resp: 862999
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.9 28.3

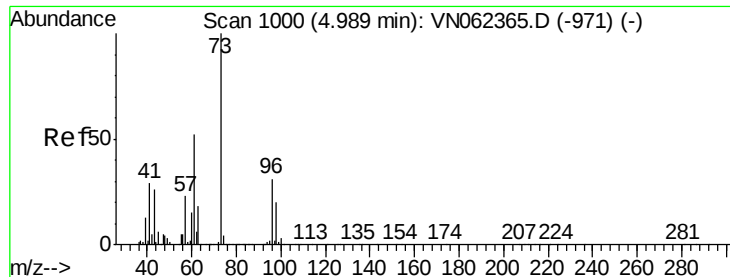


#20

Methylene Chloride
 Concen: 18.847 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 84 Resp: 285477
 Ion Ratio Lower Upper
 84 100
 49 158.1 121.8 182.6
 51 51.3 35.0 52.4
 86 67.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 17.226 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

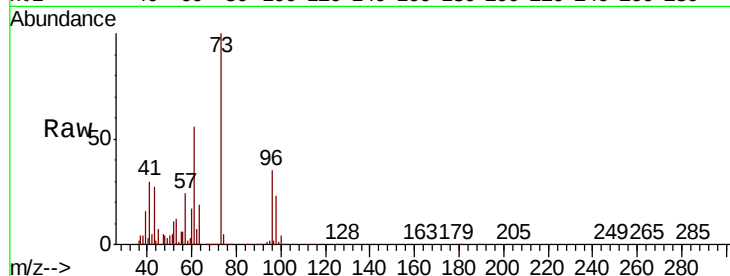
Tot Ion: 96 Resp: 238554

Ion Ratio Lower Upper

96 100

61 160.0 134.7 202.1

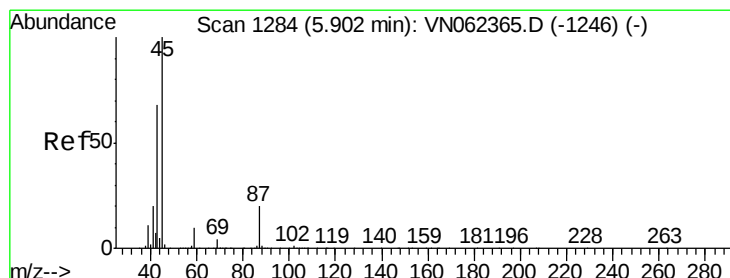
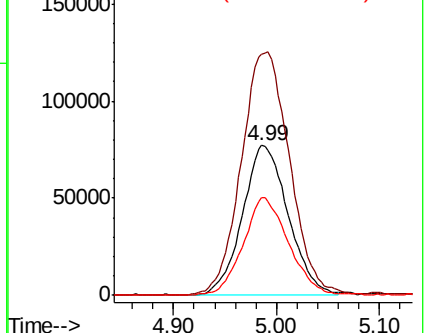
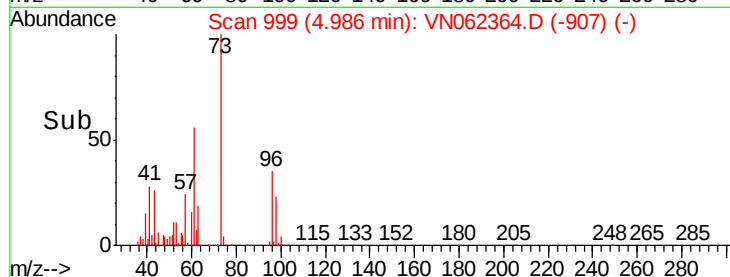
98 64.6 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 26.830 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion: 45 Resp: 1110502

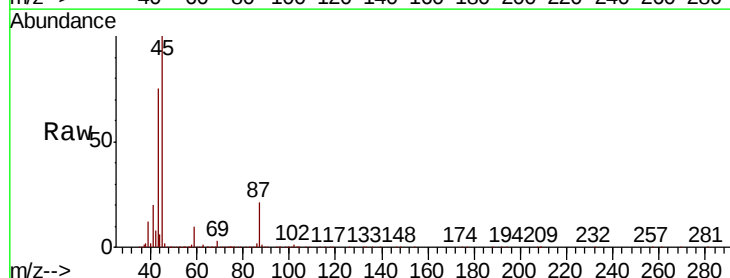
Ion Ratio Lower Upper

45 100

43 74.6 54.6 81.8

87 20.8 16.6 24.8

59 10.1 7.7 11.5

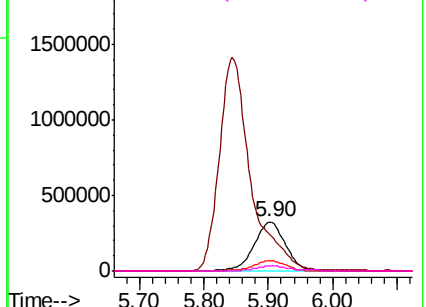
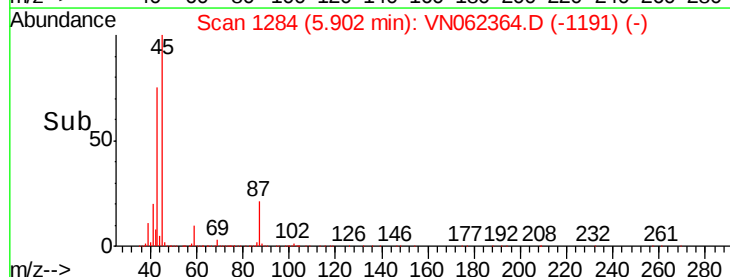


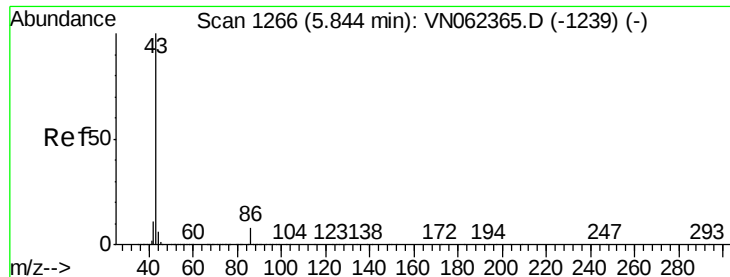
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 142.008 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

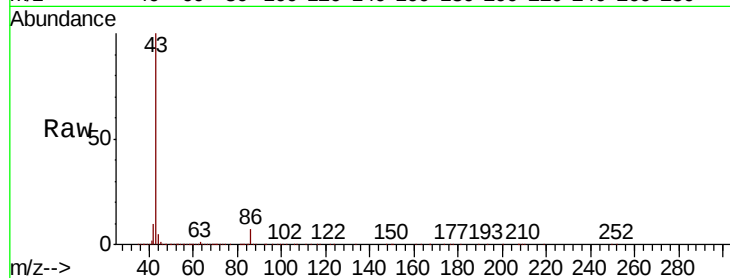
VSTDIC020

Tot Ion: 43 Resp: 4784225

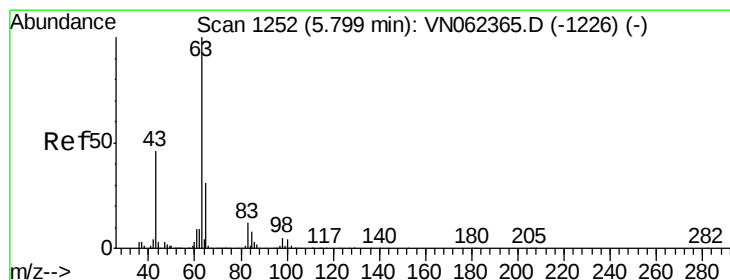
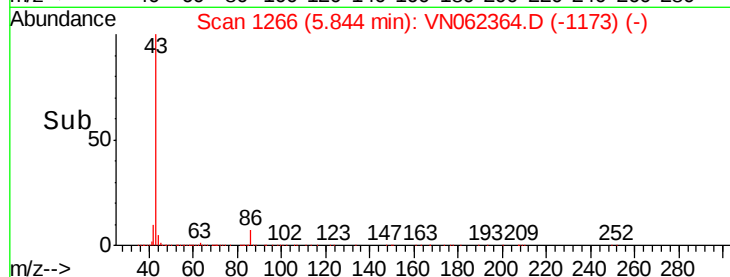
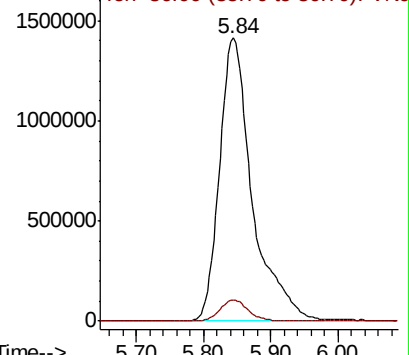
Ion Ratio Lower Upper

43 100

86 7.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN062364.D (-1173) (-)



#24

1,1-Dichloroethane

Concen: 21.355 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

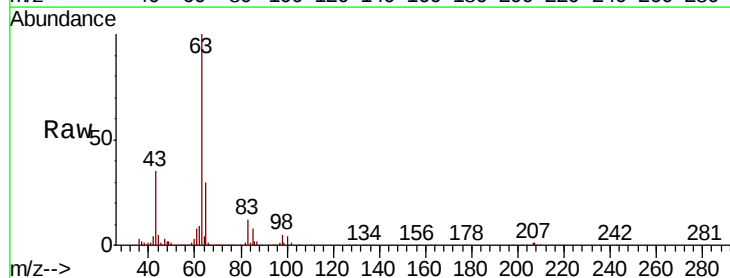
Tgt Ion: 63 Resp: 539049

Ion Ratio Lower Upper

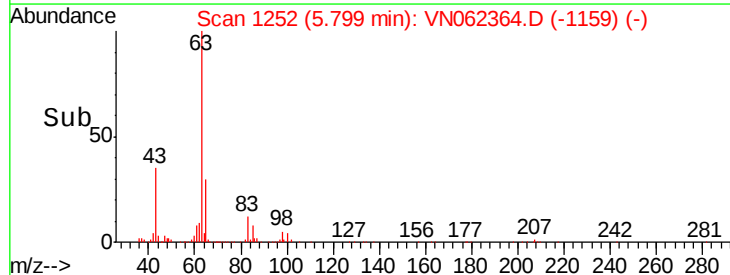
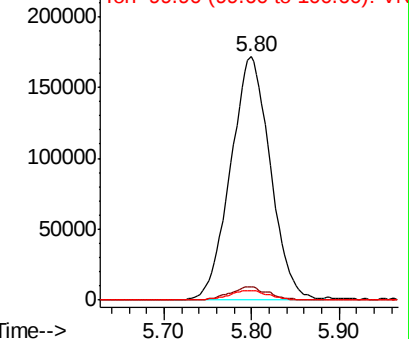
63 100

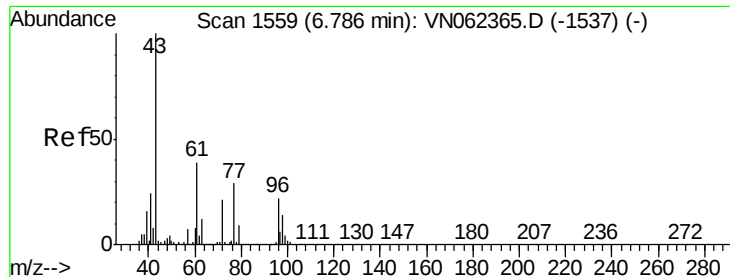
98 5.3 2.6 7.8

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN062364.D (-1159) (-)

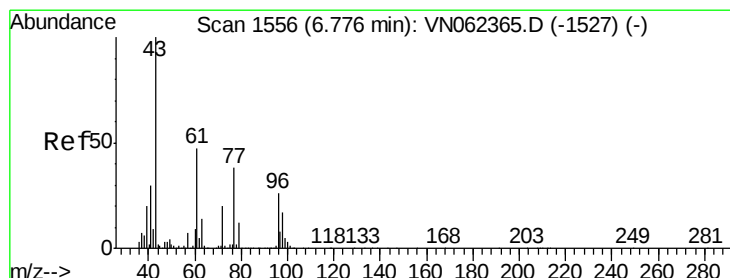
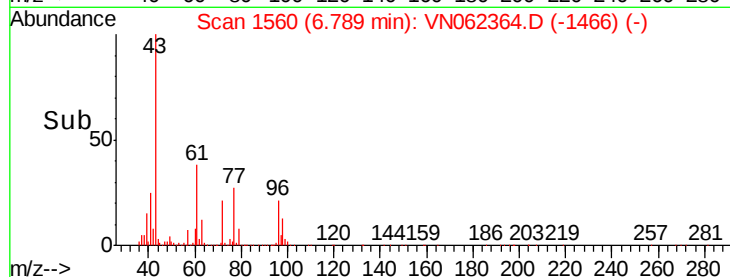
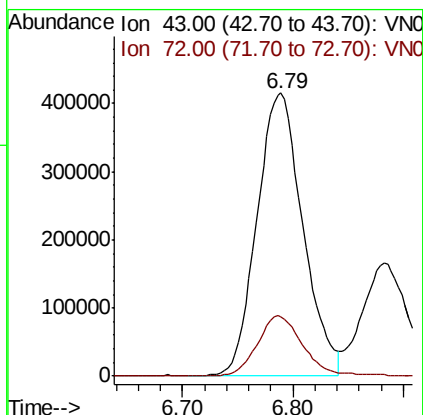
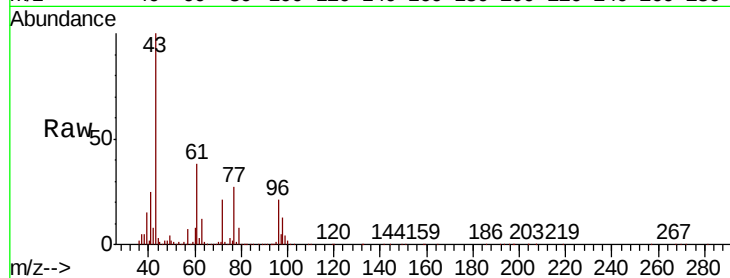




#25
2-Butanone
Concen: 147.214 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

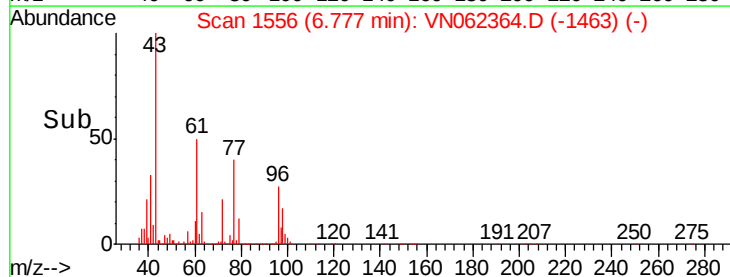
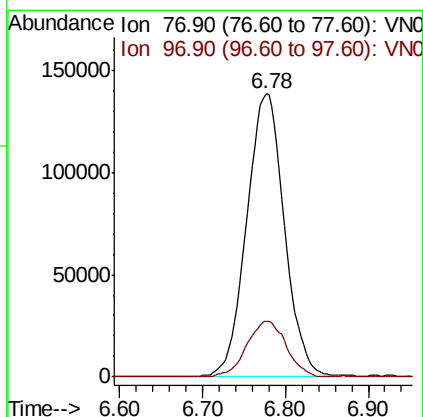
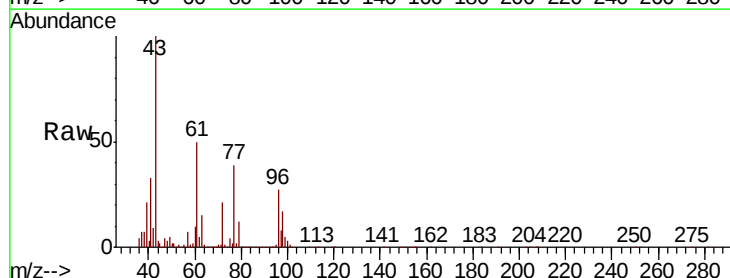
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

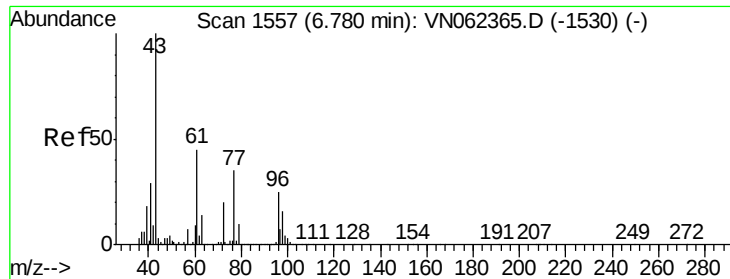
Tot Ion: 43 Resp: 1194668
Ion Ratio Lower Upper
43 100
72 21.0 16.4 24.6



#26
2,2-Dichloropropane
Concen: 21.031 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 77 Resp: 438801
Ion Ratio Lower Upper
77 100
97 20.3 10.1 30.1

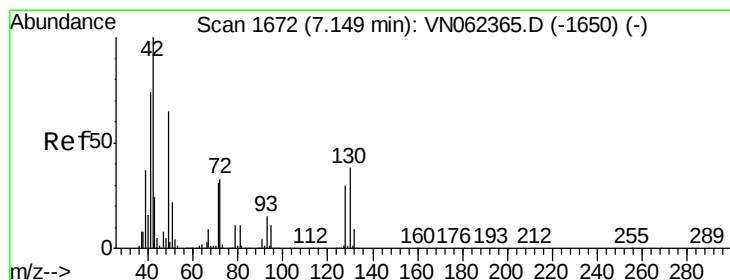
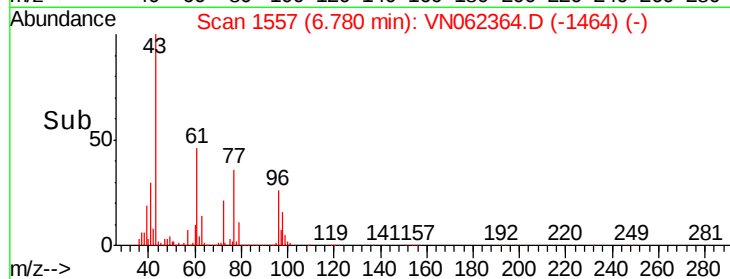
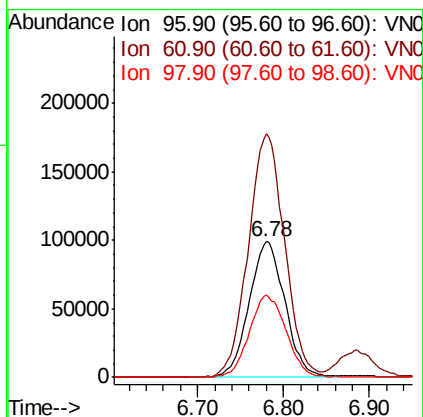
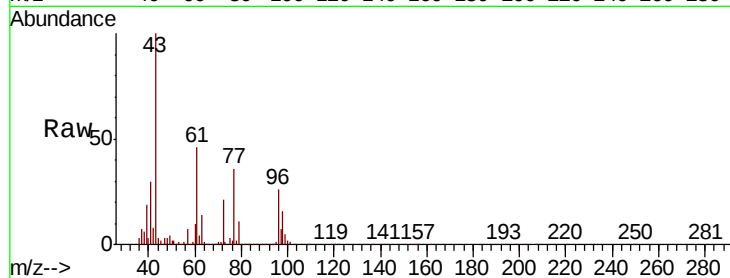




#27
 cis-1,2-Dichloroethene
 Concen: 18.256 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

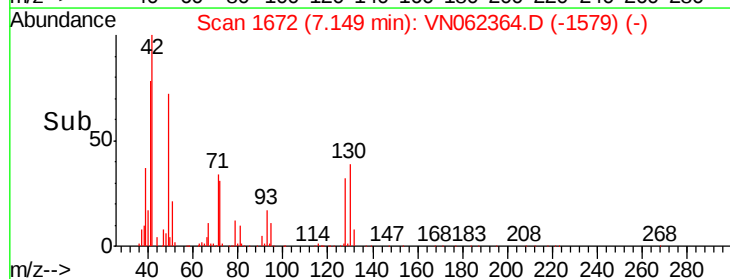
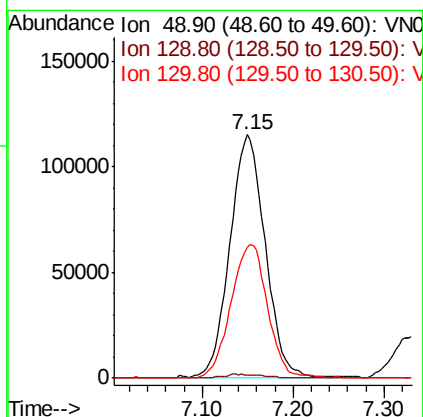
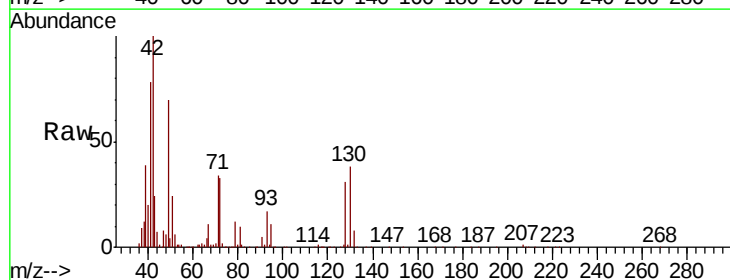
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

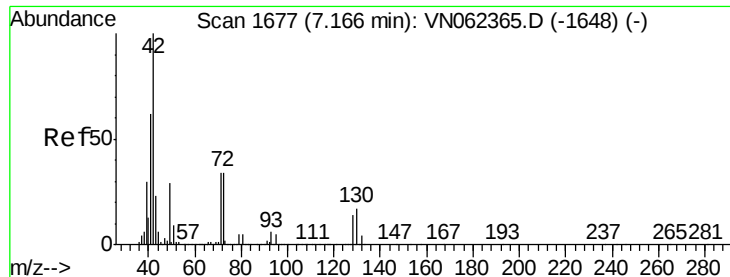
Tot Ion	Ratio	Lower	Upper
96	100		
61	182.6	0.0	358.8
98	62.4	0.0	130.6



#28
 Bromochloromethane
 Concen: 26.442 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	57.6	45.8	68.8





#29

Tetrahydrofuran

Concen: 142.122 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

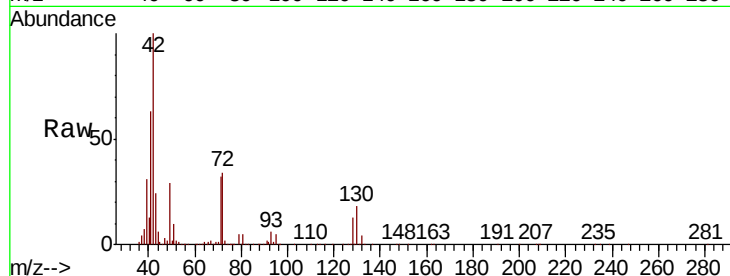
Tot Ion: 42 Resp: 753472

Ion Ratio Lower Upper

42 100

72 34.0 26.8 40.2

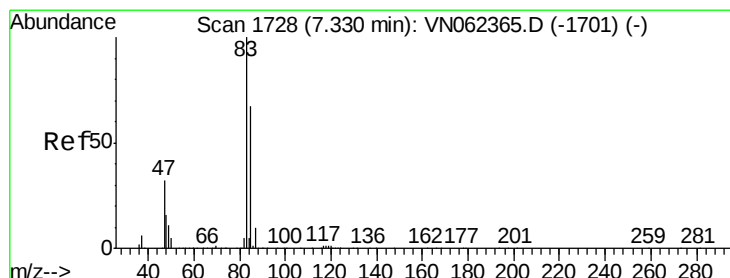
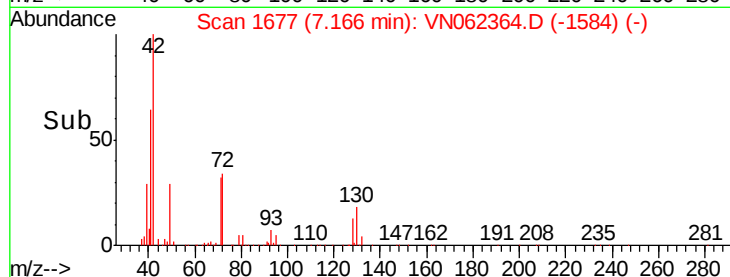
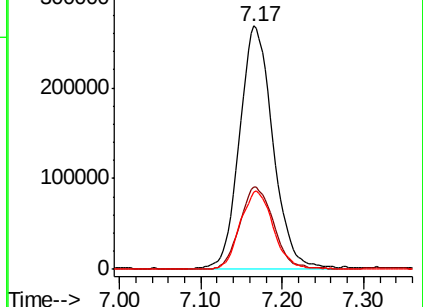
71 32.2 26.0 39.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.373 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062364.D

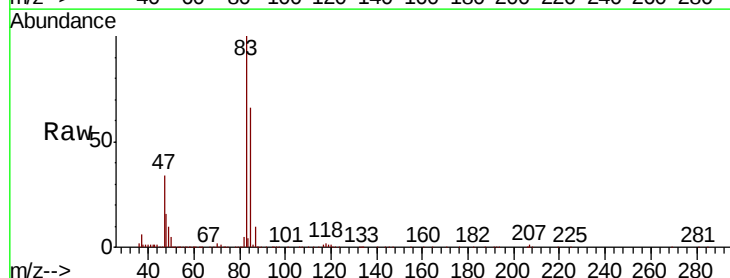
Acq: 6 Jul 2020 13:14

Tgt Ion: 83 Resp: 516663

Ion Ratio Lower Upper

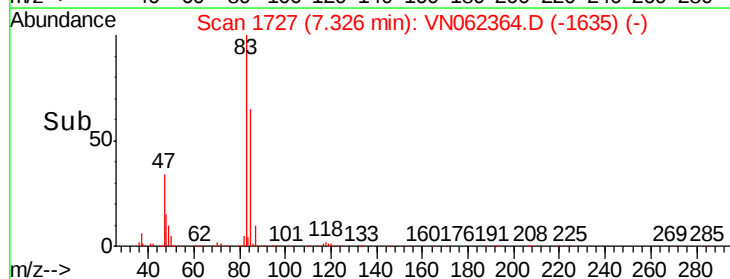
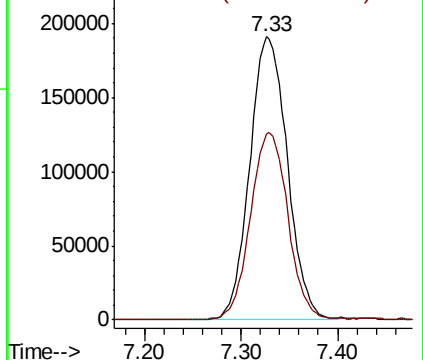
83 100

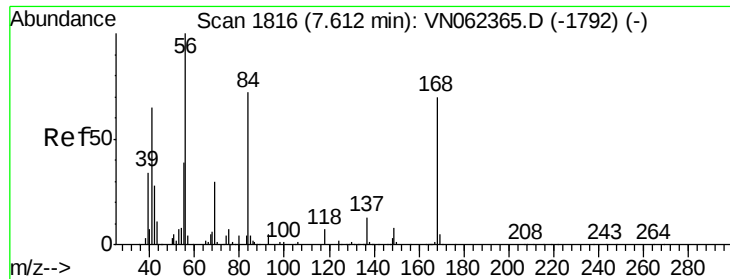
85 65.5 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

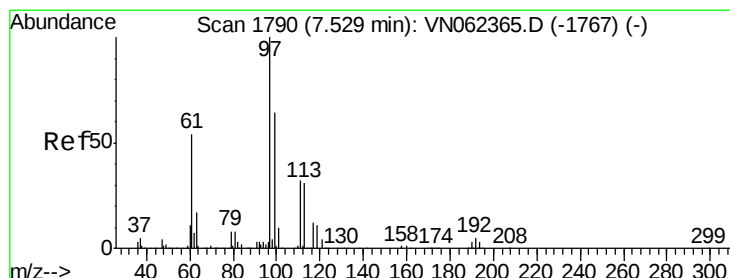
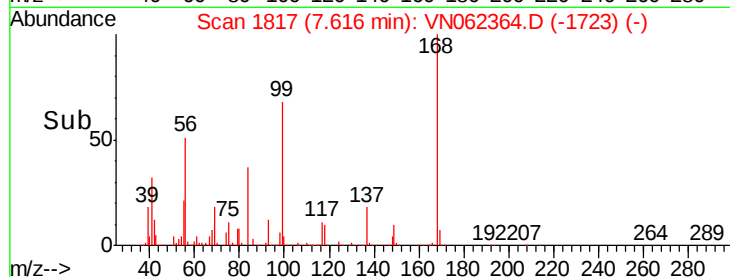
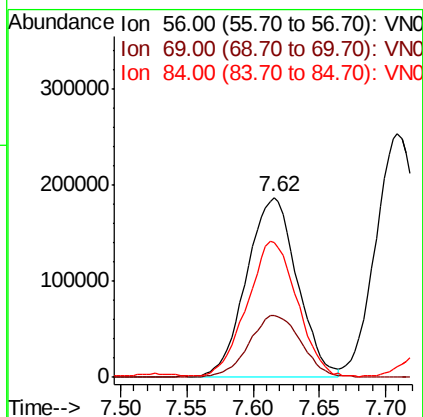
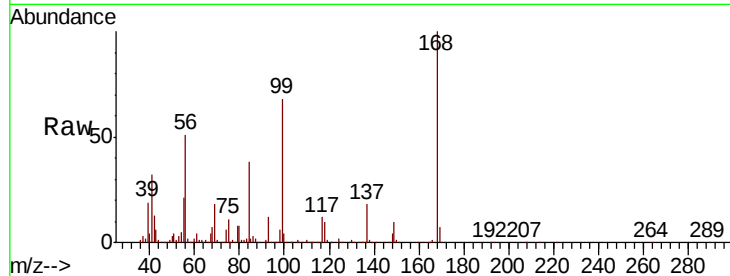




#31
Cyclohexane
Concen: 22.858 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

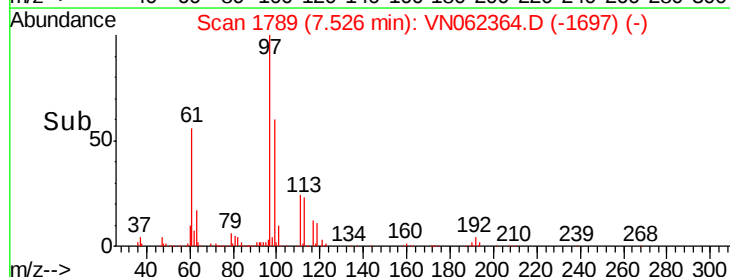
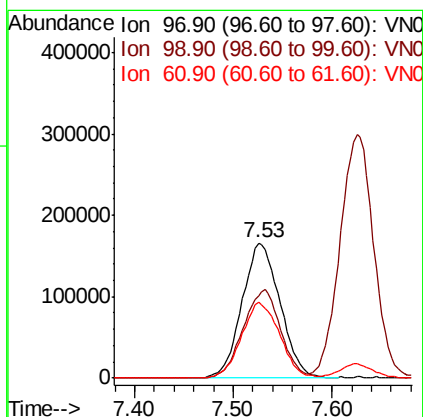
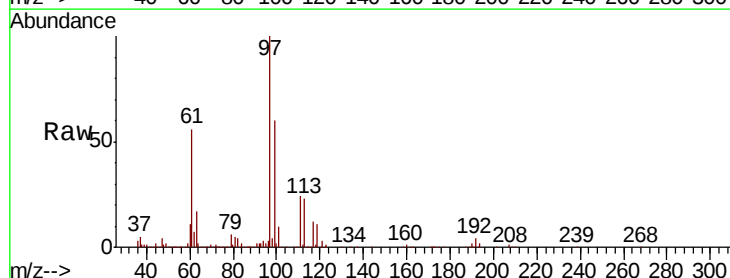
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

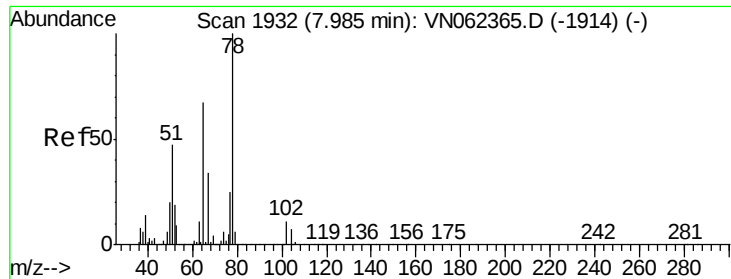
Tot Ion: 56 Resp: 495444
Ion Ratio Lower Upper
56 100
69 34.6 23.7 35.5
84 73.9 57.2 85.8



#32
1,1,1-Trichloroethane
Concen: 20.625 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 97 Resp: 440920
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 55.7 42.5 63.7





#33

1,2-Dichloroethane-d4

Concen: 25.206 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

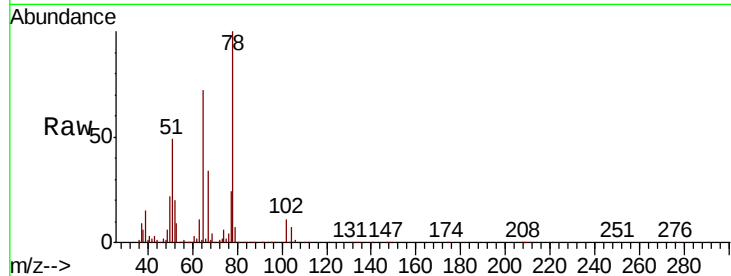
VSTDIC020

Tot Ion: 65 Resp: 409503

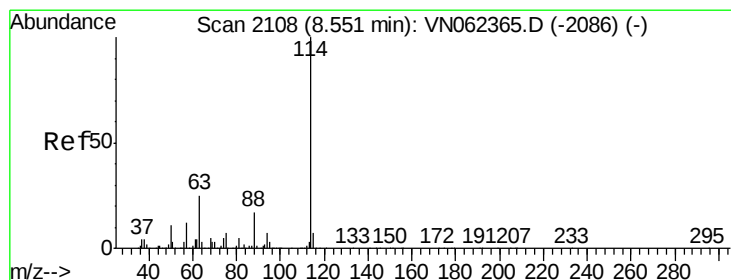
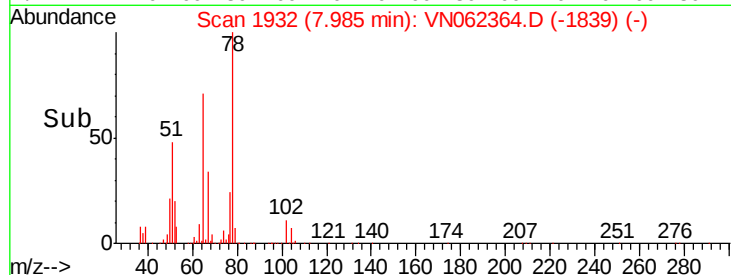
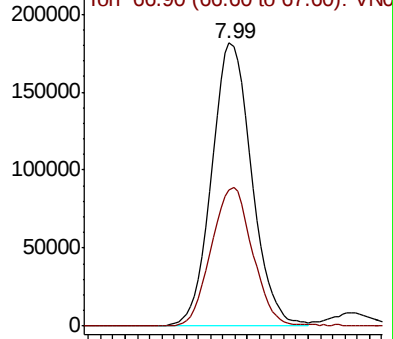
Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VN062364.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

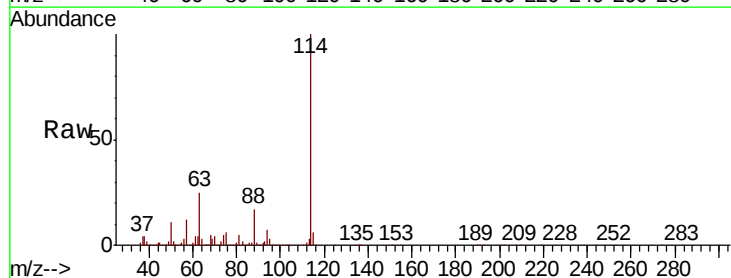
Tgt Ion: 114 Resp: 1845467

Ion Ratio Lower Upper

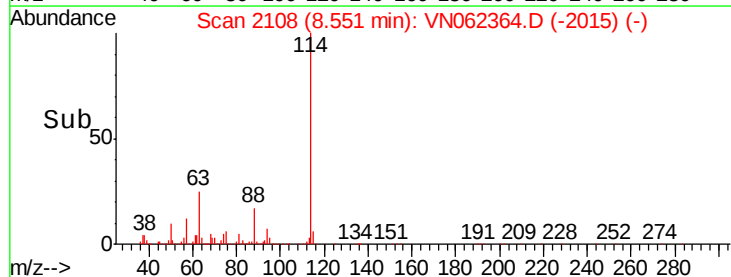
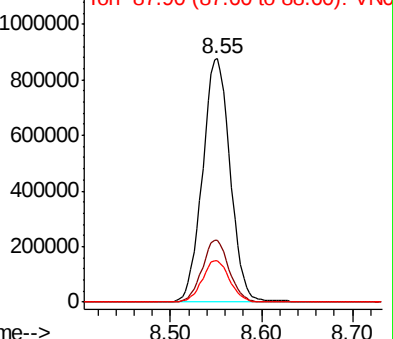
114 100

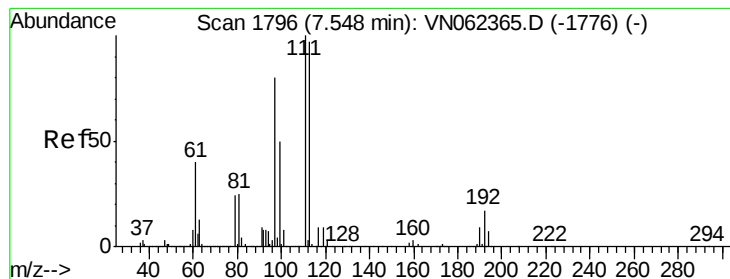
63 25.2 0.0 49.0

88 16.9 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN062364.D (-2015) (-)





#35

Dibromofluoromethane

Concen: 21.474 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

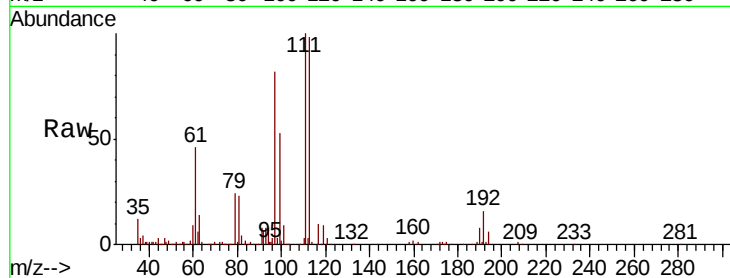
Tot Ion:113 Resp: 263307

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

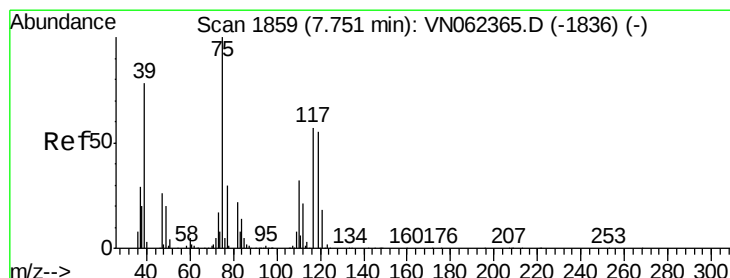
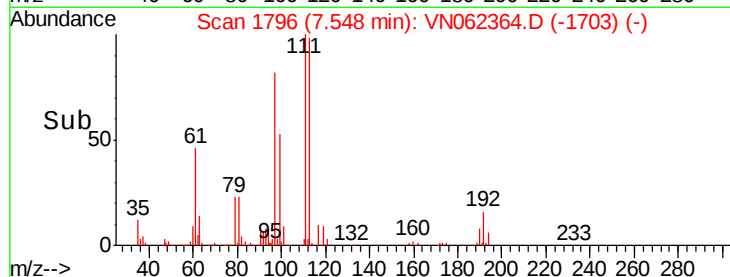
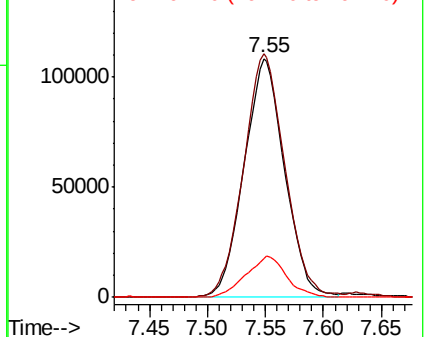
192 17.4 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.265 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

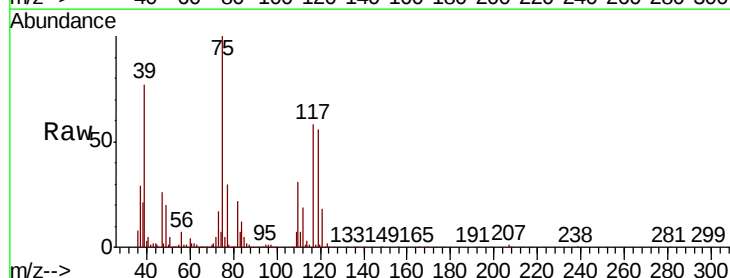
Tgt Ion: 75 Resp: 381109

Ion Ratio Lower Upper

75 100

110 31.3 15.7 47.1

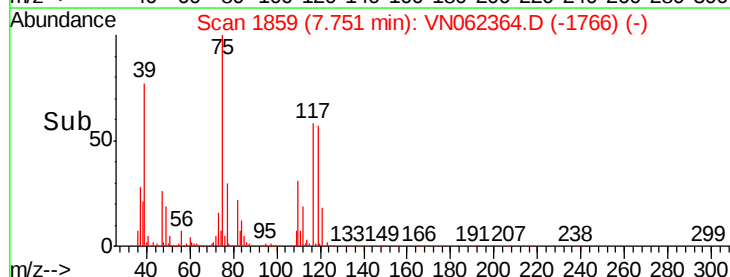
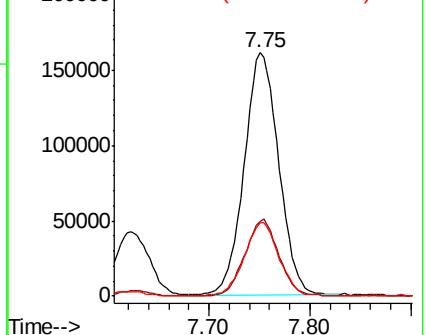
77 30.1 24.3 36.5

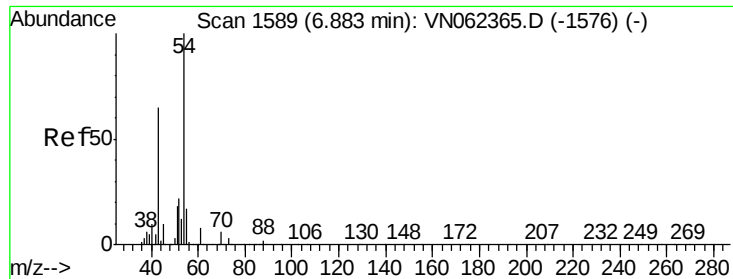


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

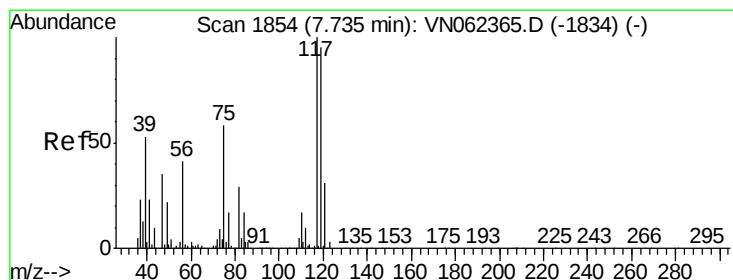
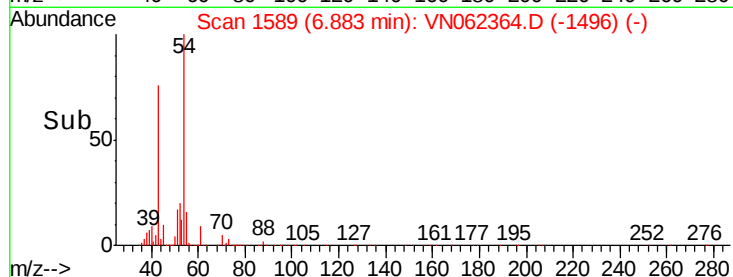
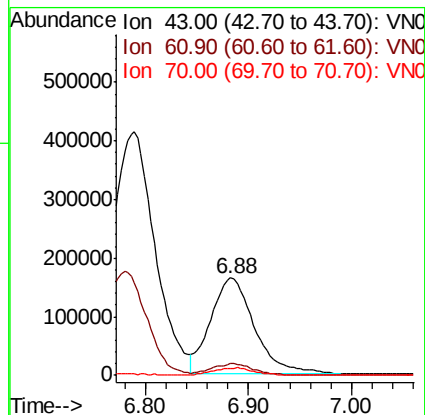
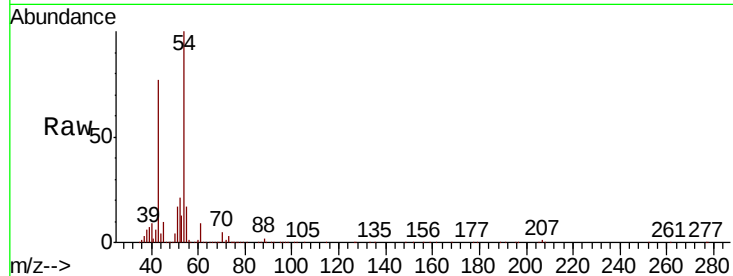




#37
Ethyl Acetate
Concen: 28.654 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

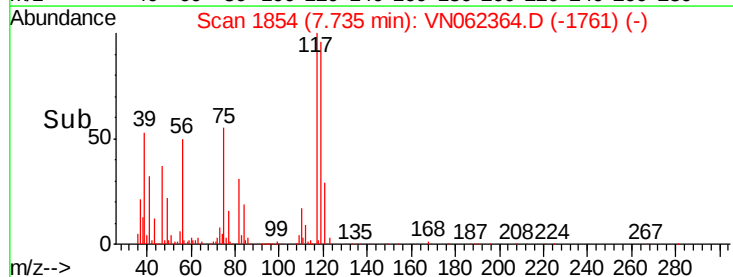
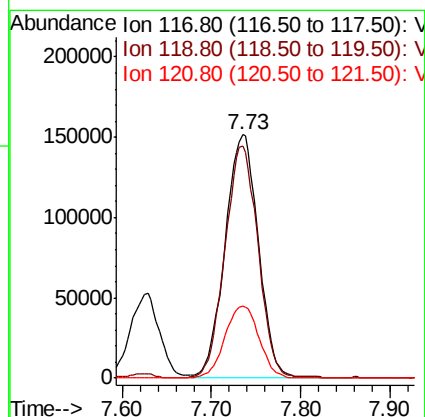
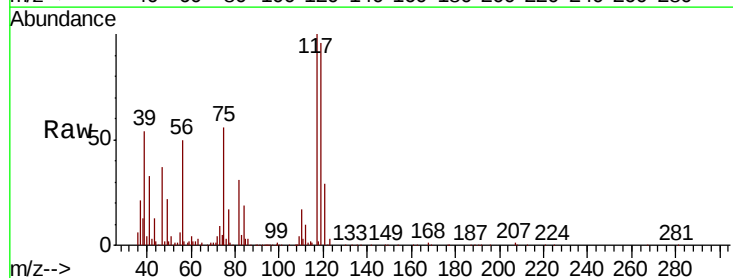
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

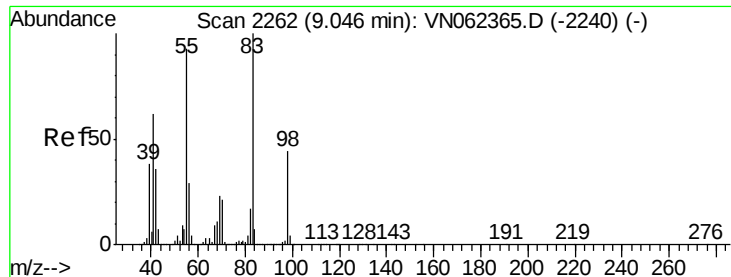
Tot Ion: 43 Resp: 485198
Ion Ratio Lower Upper
43 100
61 11.4 8.8 13.2
70 7.0 6.2 9.4



#38
Carbon Tetrachloride
Concen: 21.954 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 117 Resp: 393643
Ion Ratio Lower Upper
117 100
119 95.3 75.9 113.9
121 29.3 24.6 36.8

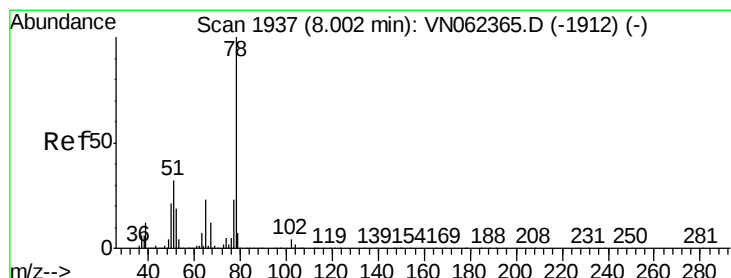
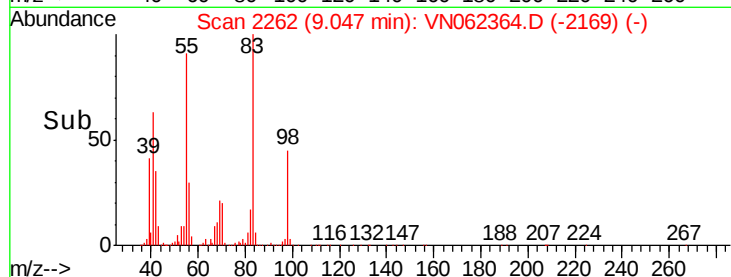
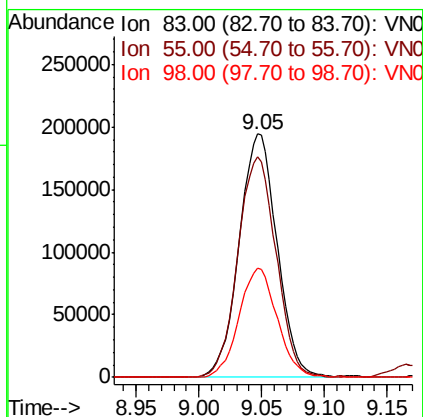
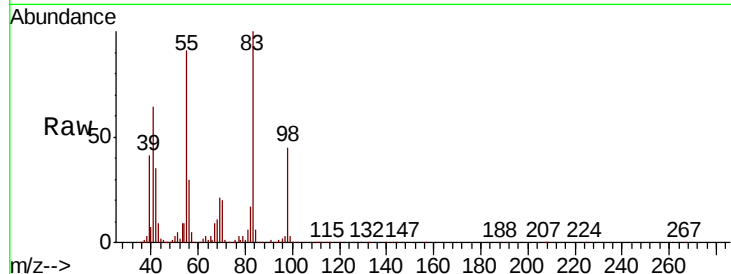




#39
Methvlcvclohexane
Concen: 19.832 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

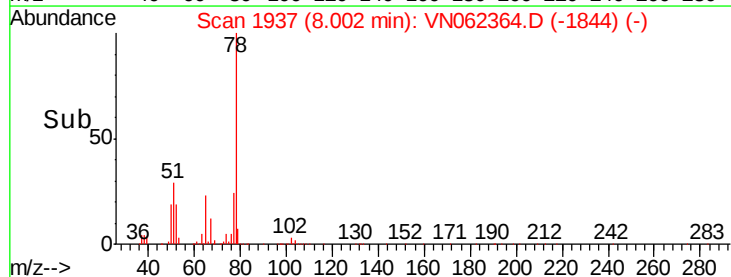
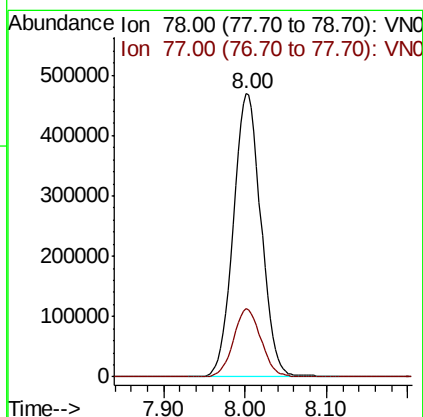
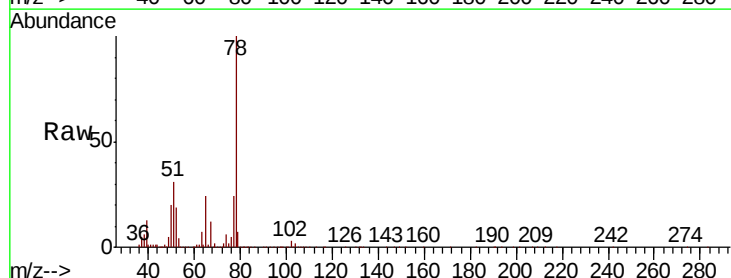
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

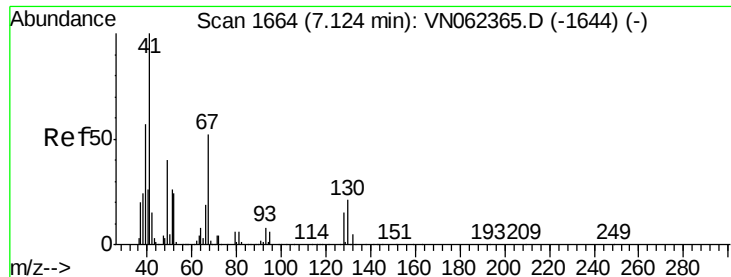
Tot Ion	83	Resp	406443
Ion Ratio	Lower	Upper	
83	100		
55	90.7	74.1	111.1
98	44.6	35.6	53.4



#40
Benzene
Concen: 19.536 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion	78	Resp	1109467
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.6	28.0

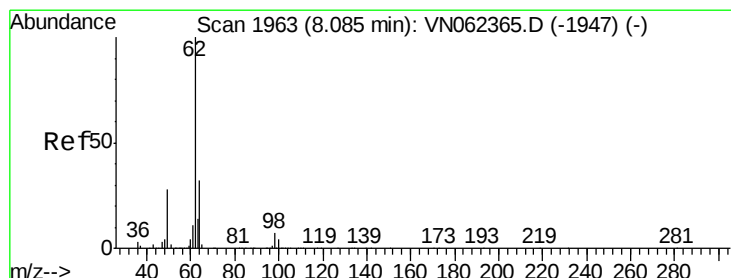
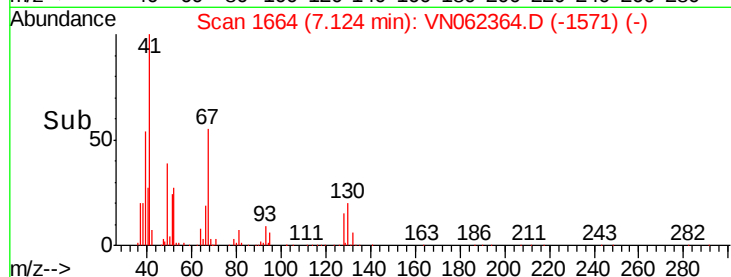
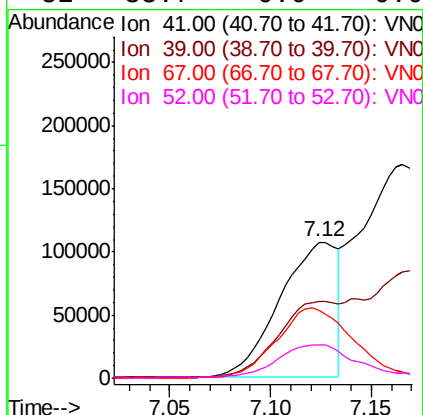
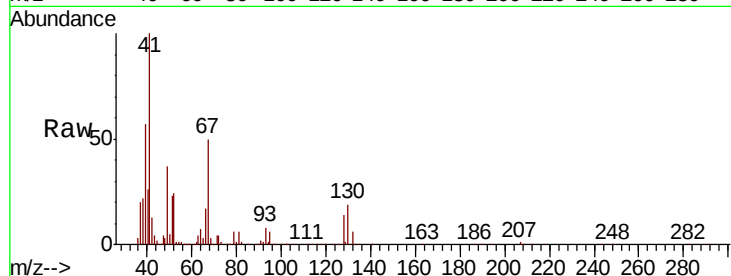




#41
Methacrylonitrile
Concen: 27.741 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

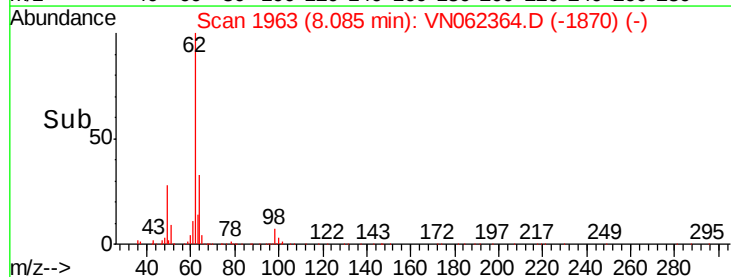
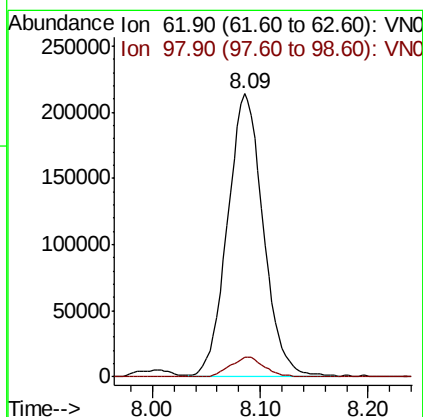
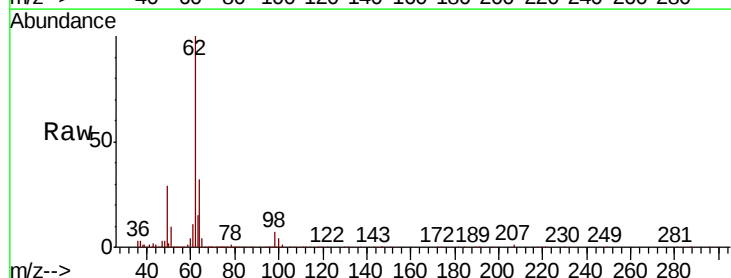
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

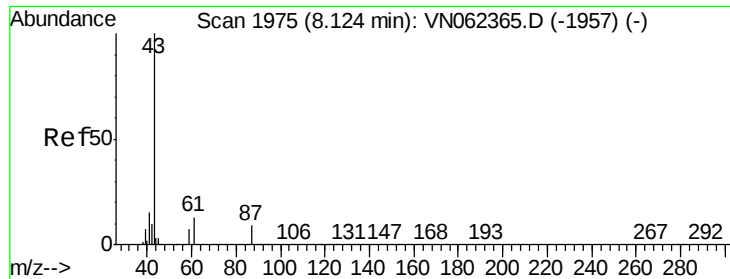
Tot Ion:	41	Resp:	213130
Ion	Ratio	Lower	Upper
41	100		
39	57.0	0.0	0.0#
67	70.4	0.0	0.0#
52	33.7	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 24.400 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion:	62	Resp:	488927
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.4





#43

Isopropyl Acetate

Concen: 28.557 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

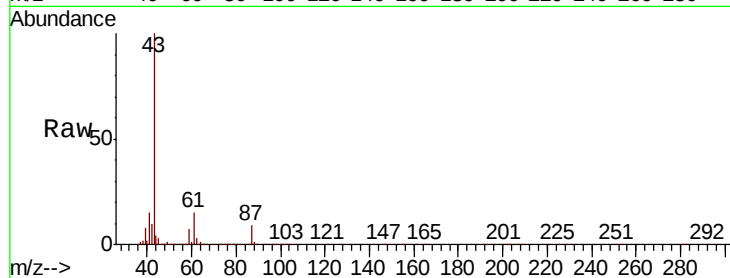
Tot Ion: 43 Resp: 790060

Ion Ratio Lower Upper

43 100

61 16.2 13.1 19.7

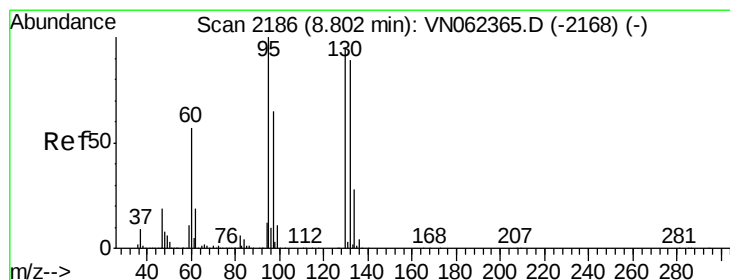
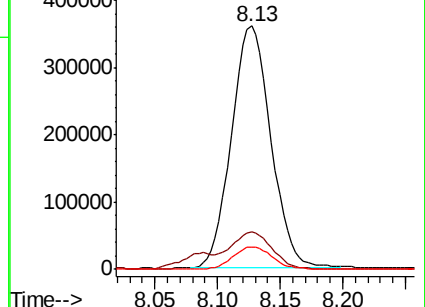
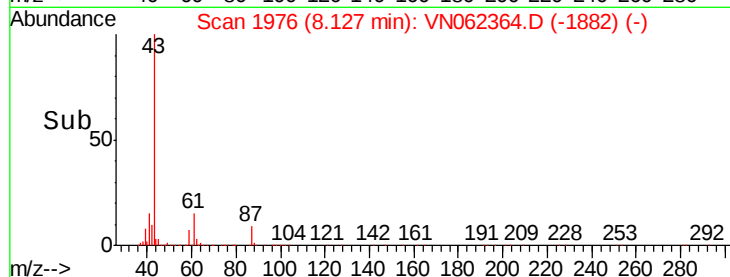
87 9.4 7.5 11.3



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

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

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



#44

Trichloroethene

Concen: 18.058 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062364.D

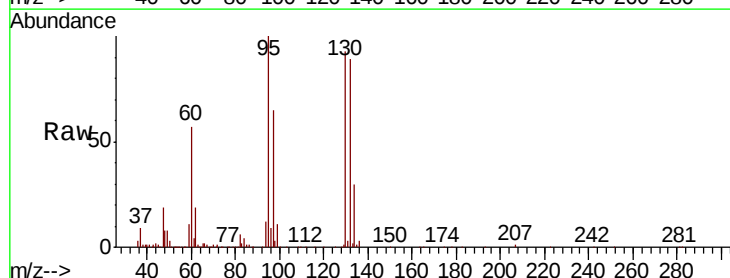
Acq: 6 Jul 2020 13:14

Tgt Ion:130 Resp: 256131

Ion Ratio Lower Upper

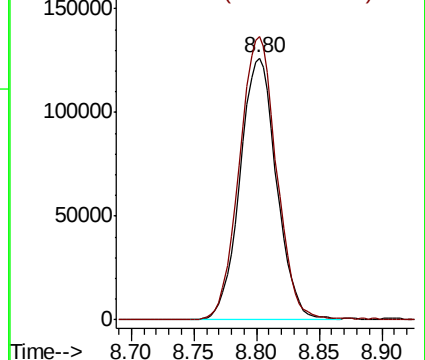
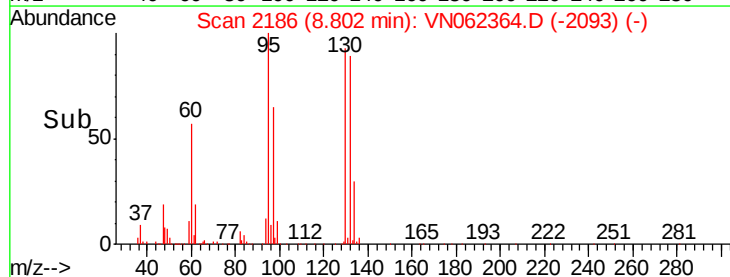
130 100

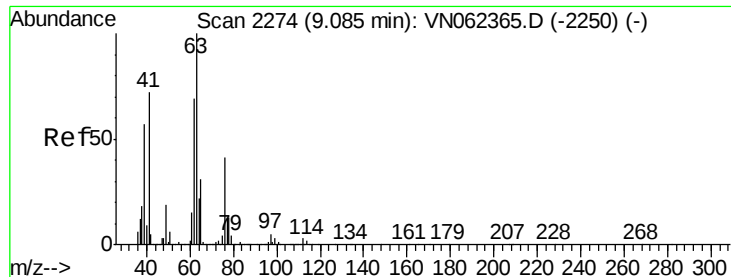
95 108.1 0.0 209.8



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

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





#45

1,2-Dichloropropane

Concen: 22.366 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

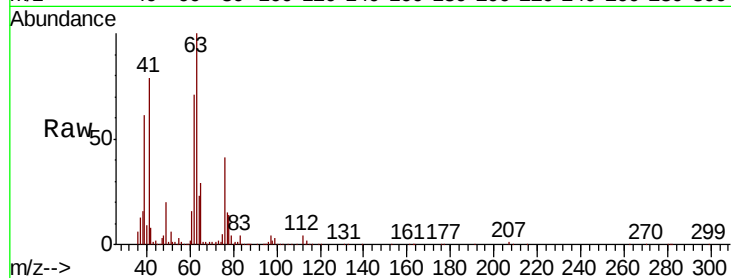
VSTDIC020

Tot Ion: 63 Resp: 322144

Ion Ratio Lower Upper

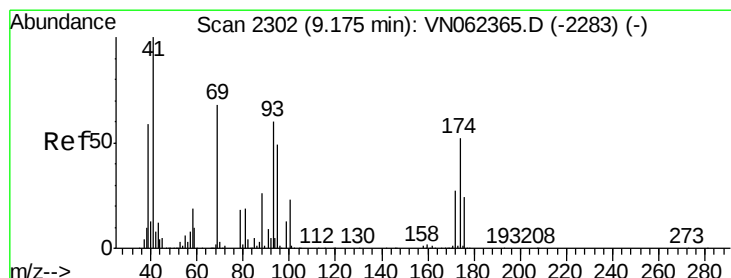
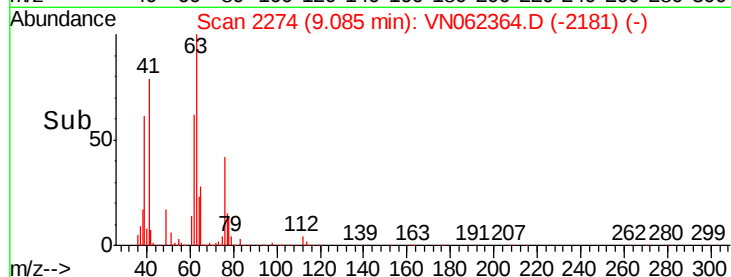
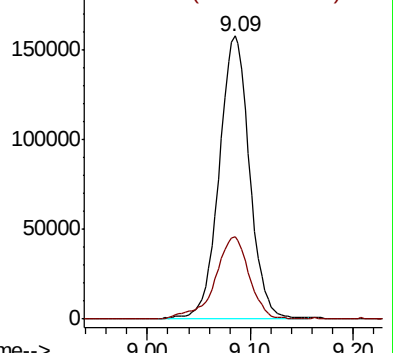
63 100

65 28.8 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.473 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

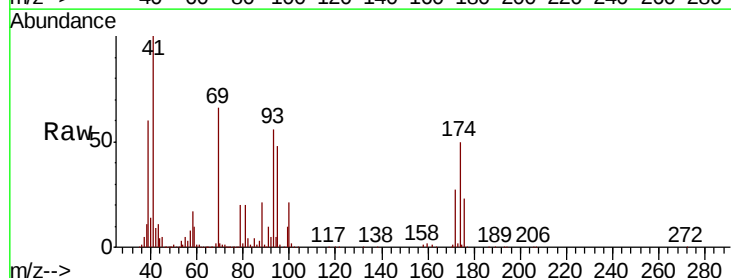
Tgt Ion: 93 Resp: 196256

Ion Ratio Lower Upper

93 100

95 85.2 64.8 97.2

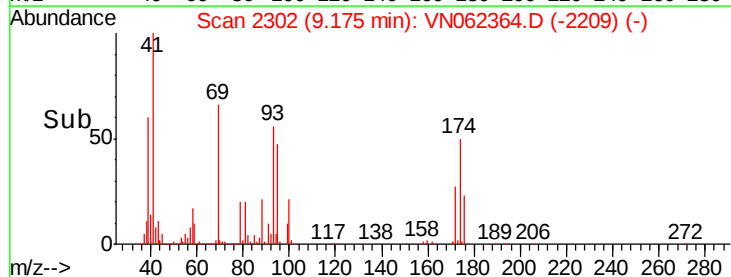
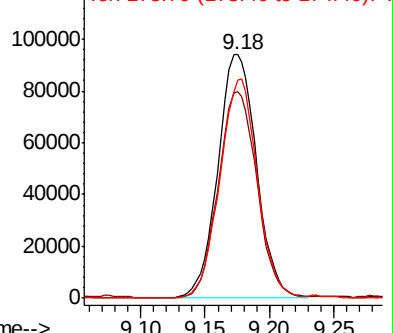
174 87.5 67.6 101.4

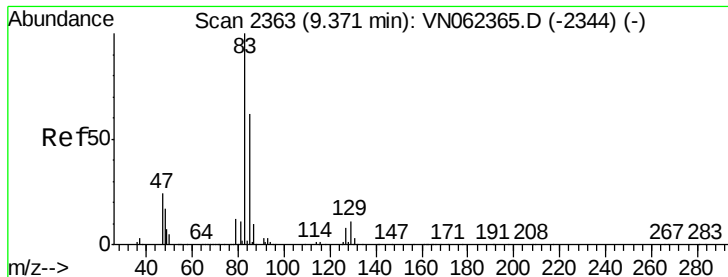


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.672 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

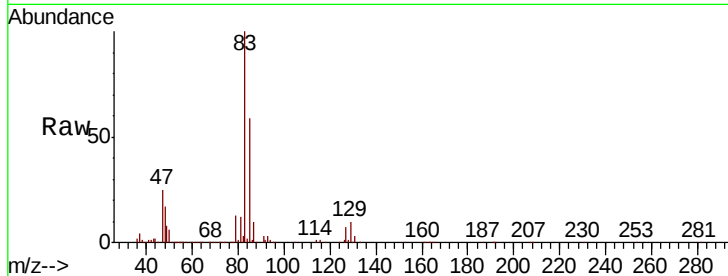
Tot Ion: 83 Resp: 423027

Ion Ratio Lower Upper

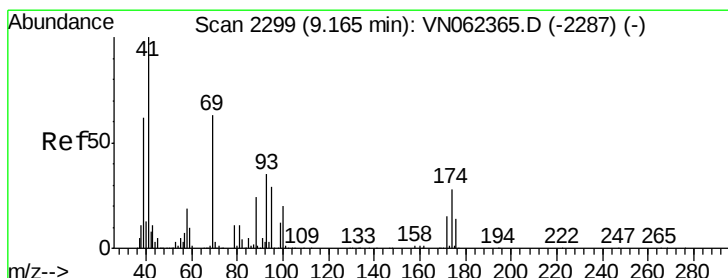
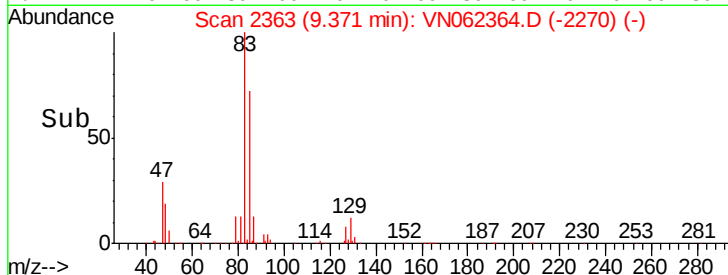
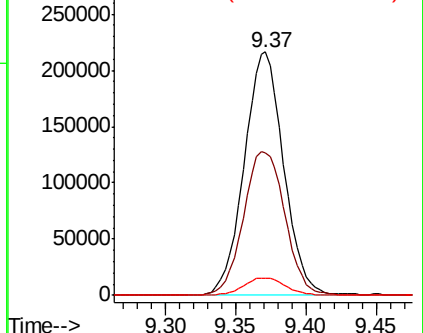
83 100

85 58.7 49.8 74.6

127 6.9 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 31.571 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

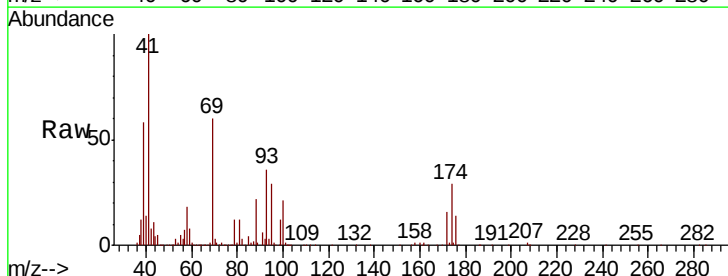
Tgt Ion: 41 Resp: 401304

Ion Ratio Lower Upper

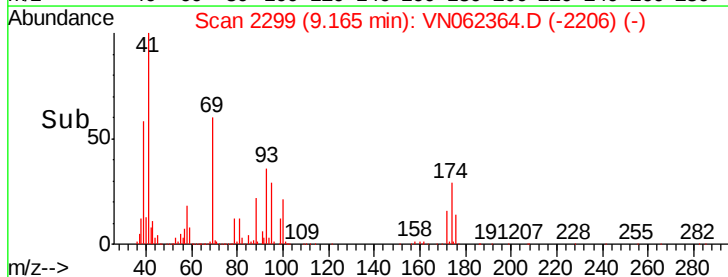
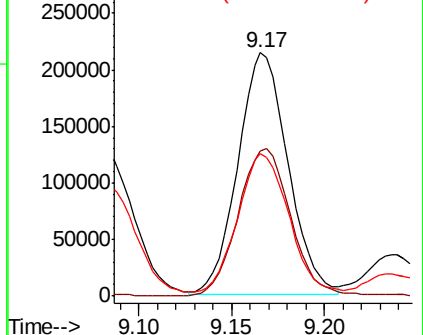
41 100

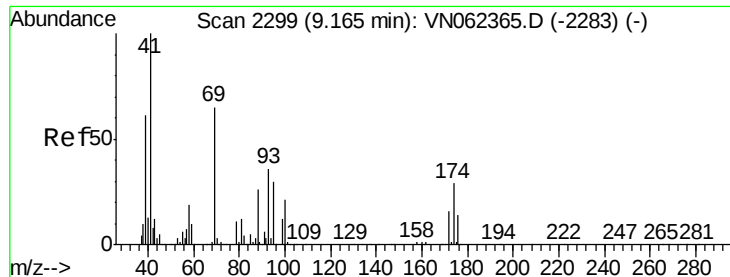
69 63.4 51.5 77.3

39 60.2 51.2 76.8



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

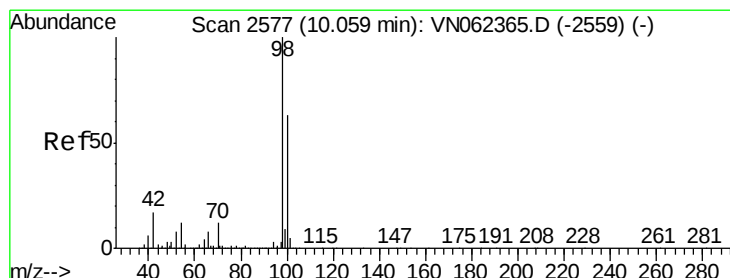
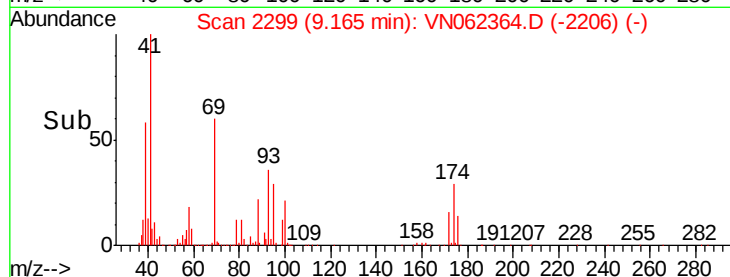
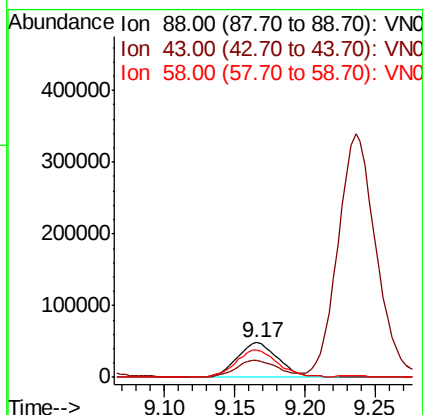
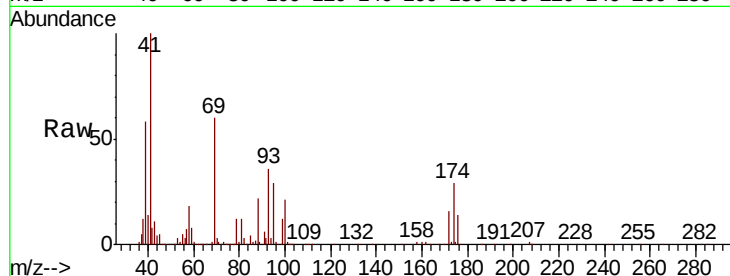




#49
1,4-Dioxane
Concen: 400.216 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

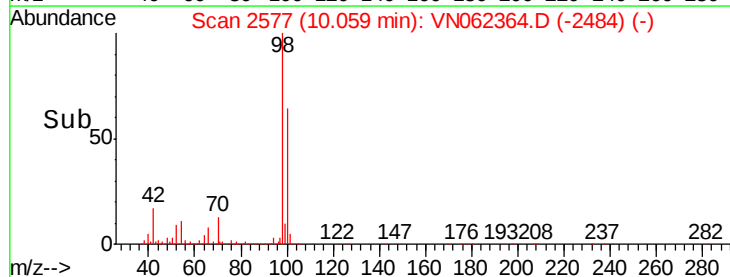
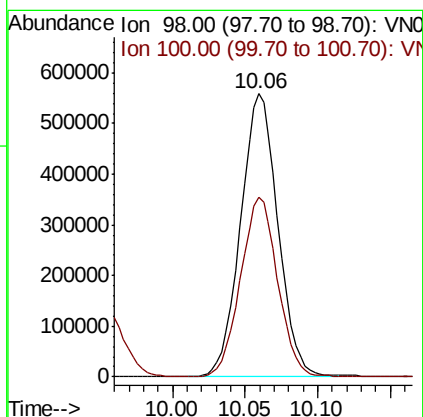
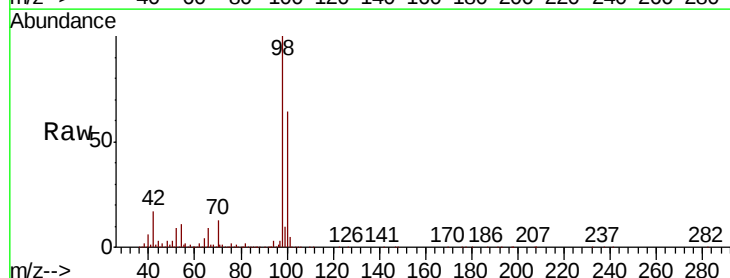
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

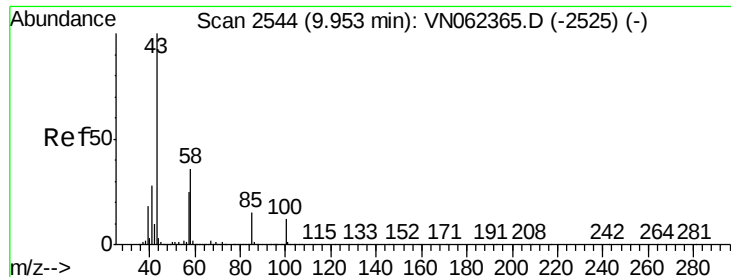
Tot Ion: 88 Resp: 100186
Ion Ratio Lower Upper
88 100
43 46.7 34.0 51.0
58 80.2 63.0 94.4



#50
Toluene-d8
Concen: 20.536 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 98 Resp: 997042
Ion Ratio Lower Upper
98 100
100 62.9 50.2 75.2

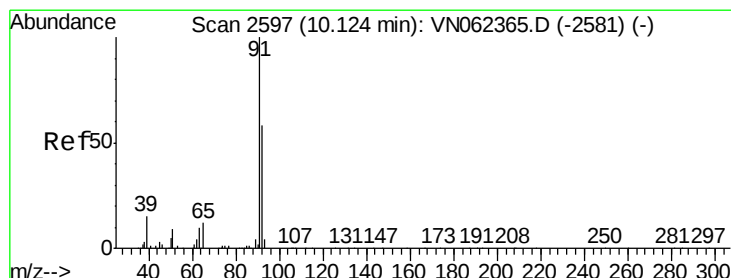
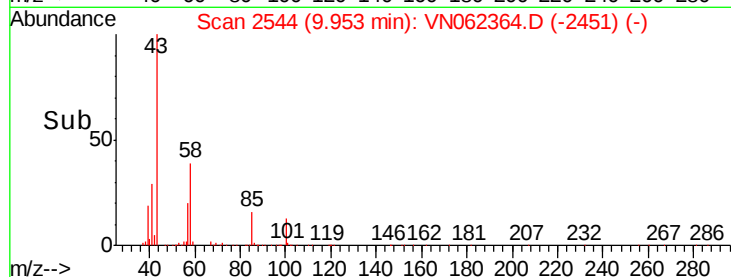
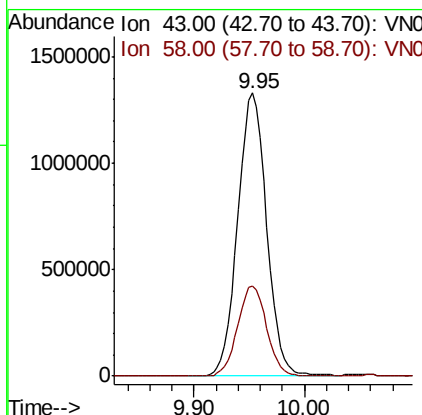
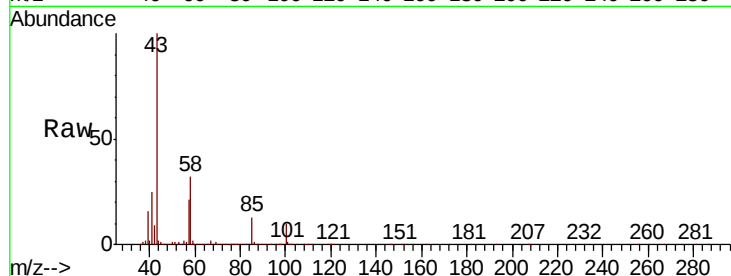




#51
4-Methyl-2-Pentanone
Concen: 150.645 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

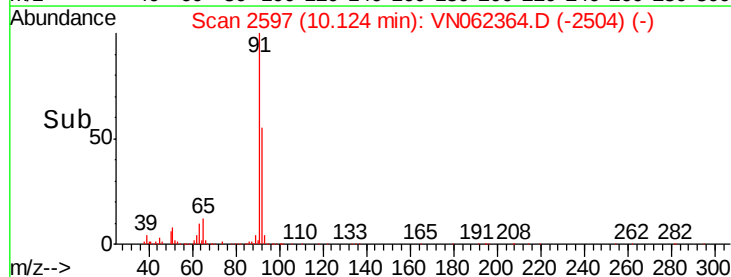
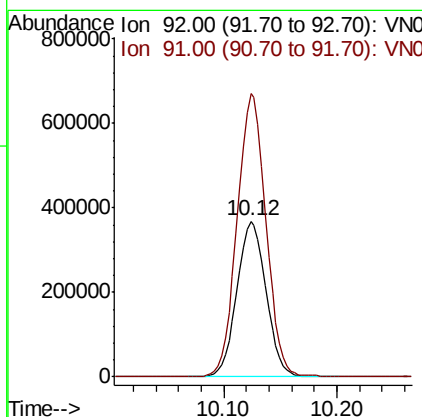
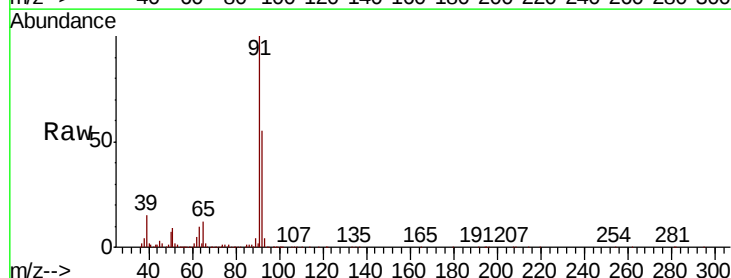
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

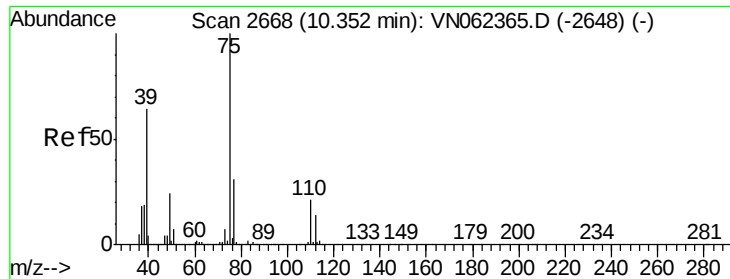
Tot Ion: 43 Resp: 2413683
Ion Ratio Lower Upper
43 100
58 32.0 27.6 41.4



#52
Toluene
Concen: 19.213 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 92 Resp: 660694
Ion Ratio Lower Upper
92 100
91 180.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 21.500 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

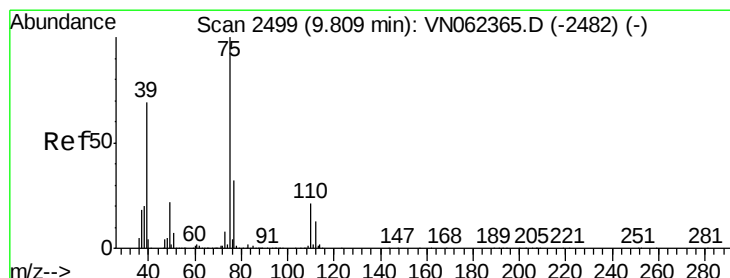
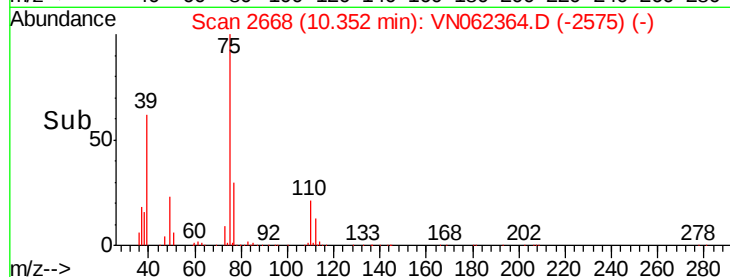
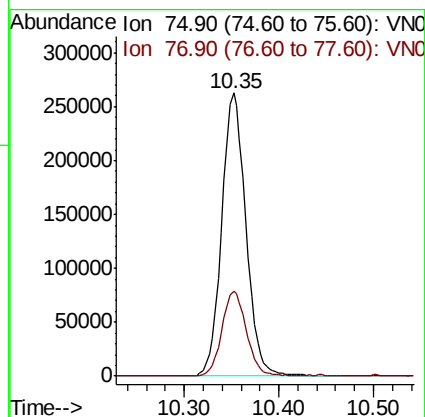
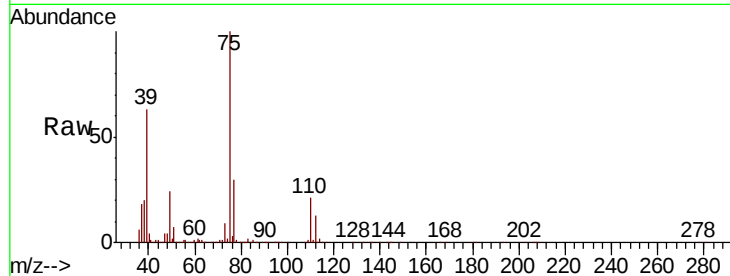
VSTDIC020

Tot Ion: 75 Resp: 463136

Ion Ratio Lower Upper

75 100

77 30.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.700 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

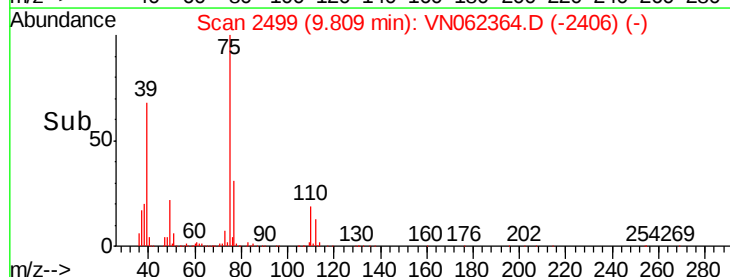
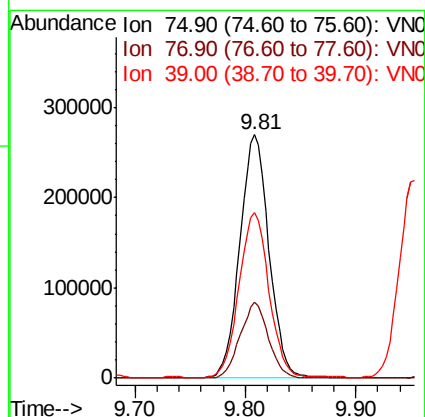
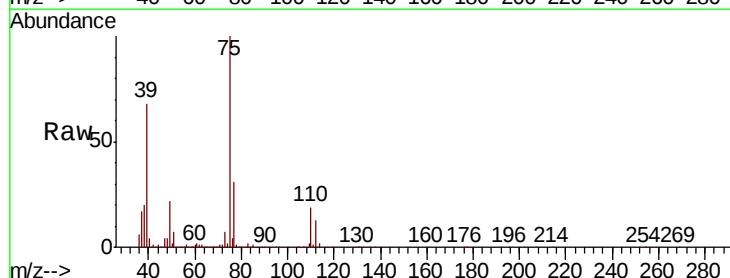
Tgt Ion: 75 Resp: 494282

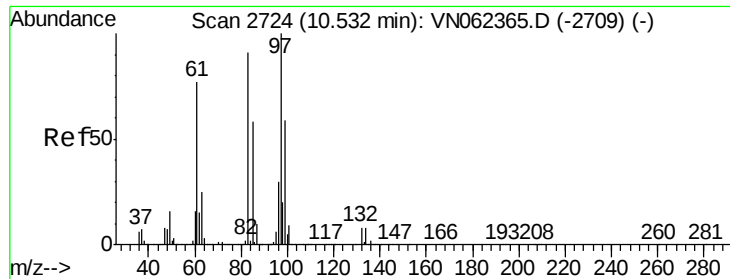
Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

39 67.6 55.3 82.9

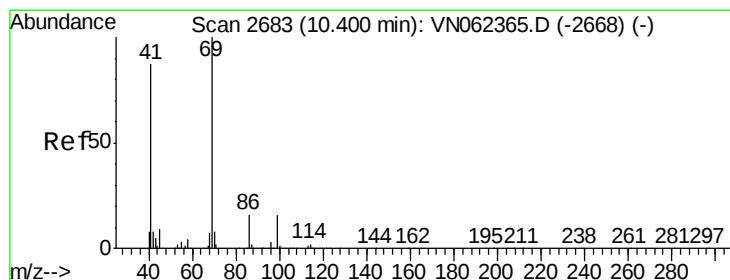
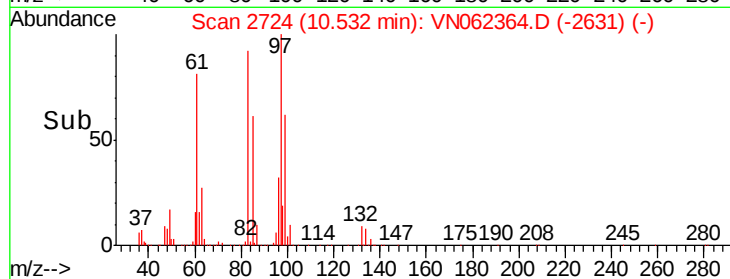
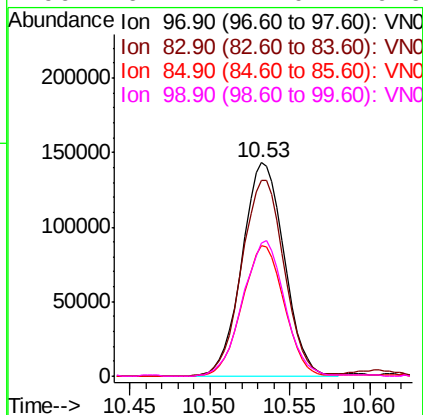
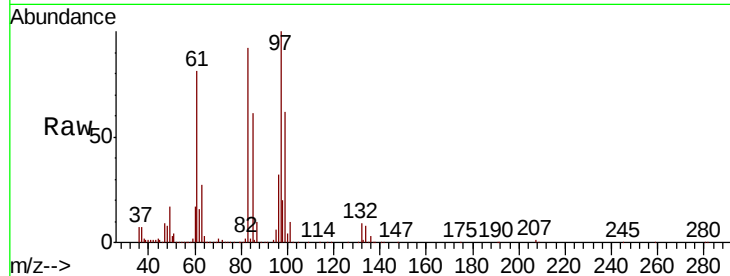




#55
 1,1,2-Trichloroethane
 Concen: 19.201 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

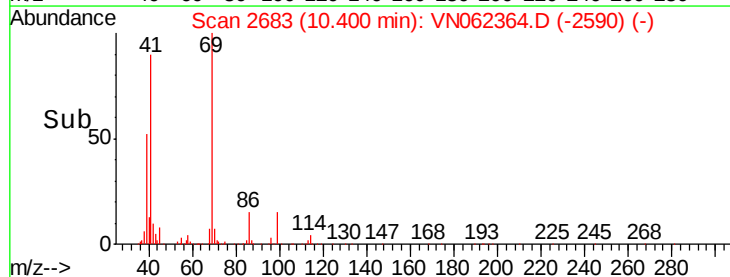
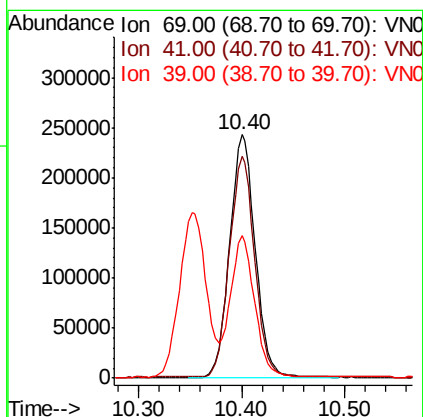
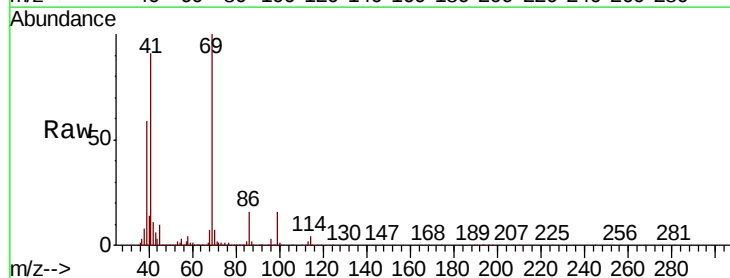
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

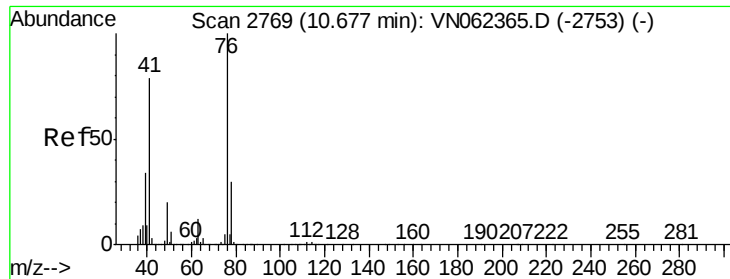
Tot Ion: 97 Resp: 259478
 Ion Ratio Lower Upper
 97 100
 83 91.8 72.4 108.6
 85 60.8 46.3 69.5
 99 62.1 47.0 70.6



#56
 Ethyl methacrylate
 Concen: 22.510 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 69 Resp: 421150
 Ion Ratio Lower Upper
 69 100
 41 88.8 69.4 104.0
 39 54.6 42.4 63.6





#57

1,3-Dichloropropane

Concen: 20.499 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

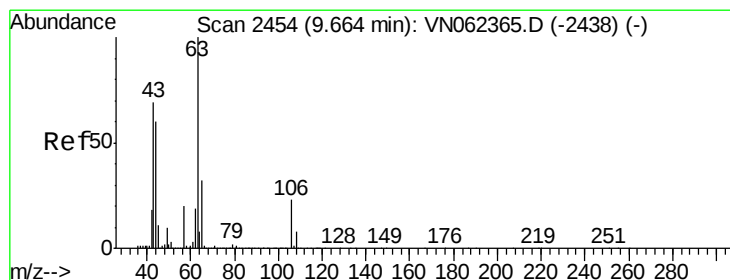
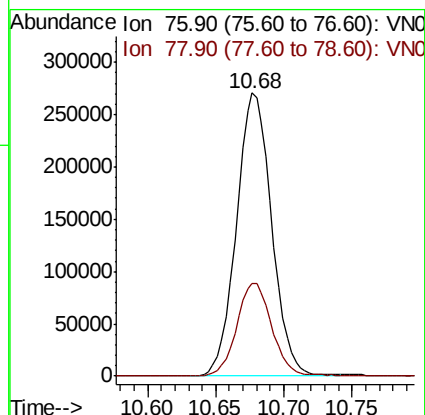
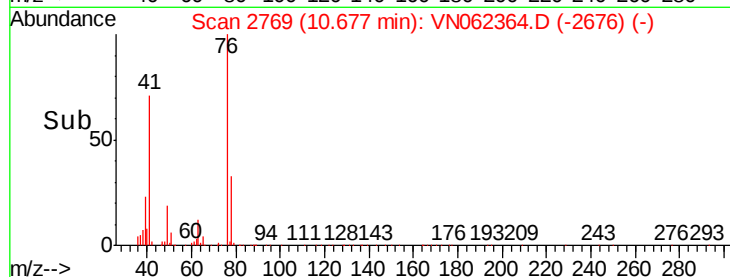
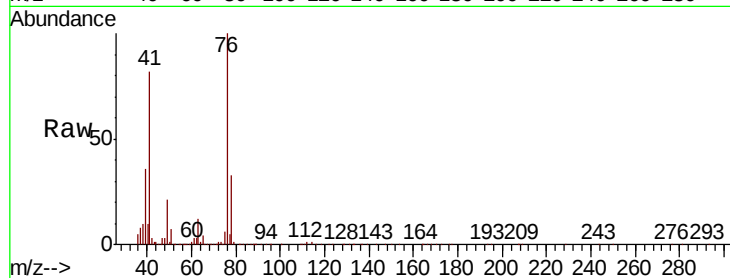
VSTDIC020

Tot Ion: 76 Resp: 485069

Ion Ratio Lower Upper

76 100

78 32.8 25.0 37.4



#58

2-Chloroethyl Vinyl ether

Concen: 106.716 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062364.D

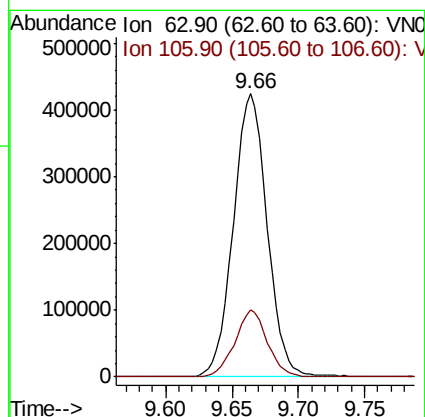
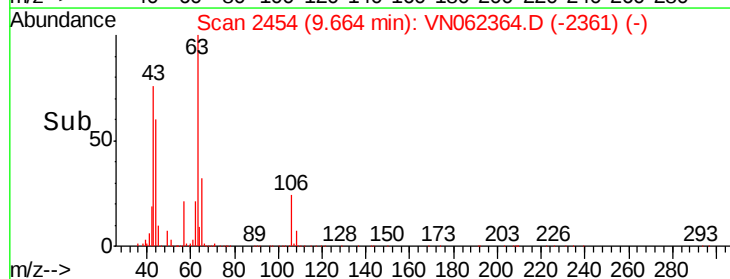
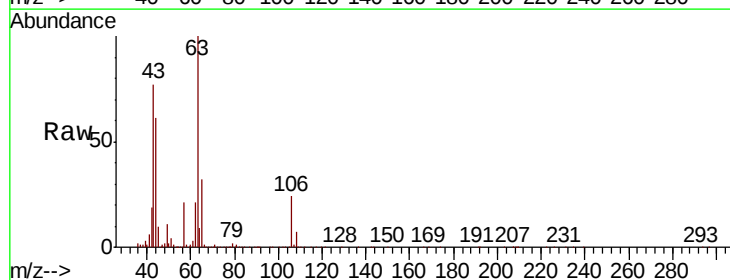
Acq: 6 Jul 2020 13:14

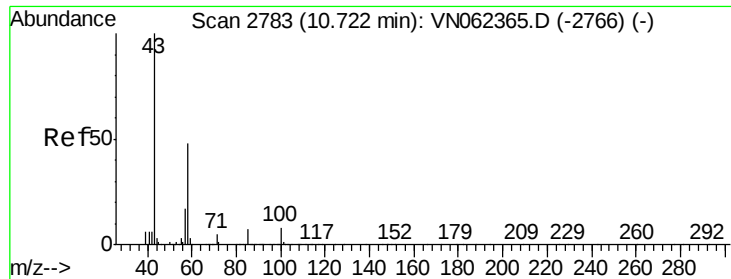
Tgt Ion: 63 Resp: 750359

Ion Ratio Lower Upper

63 100

106 22.8 18.0 27.0

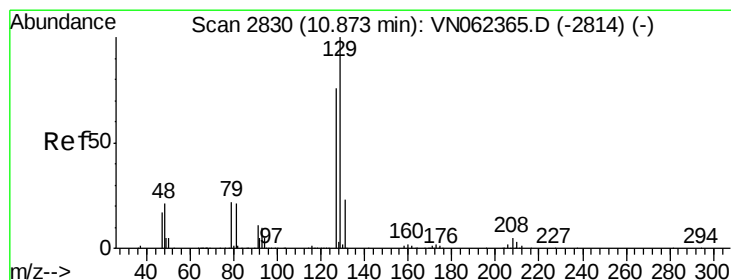
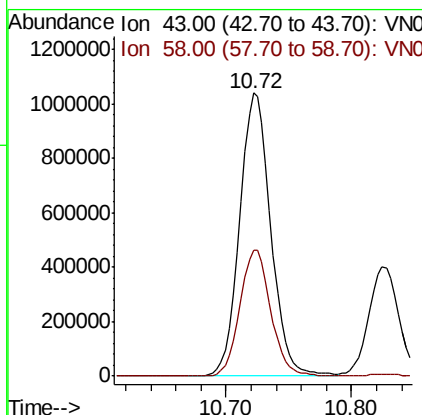
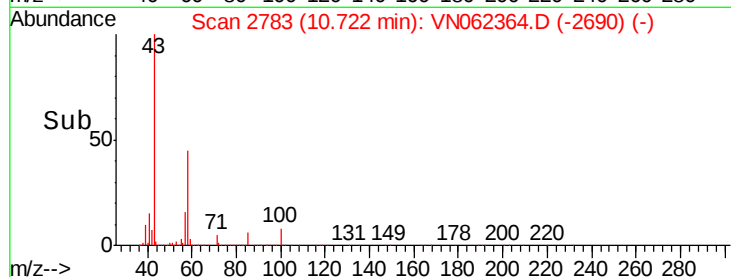
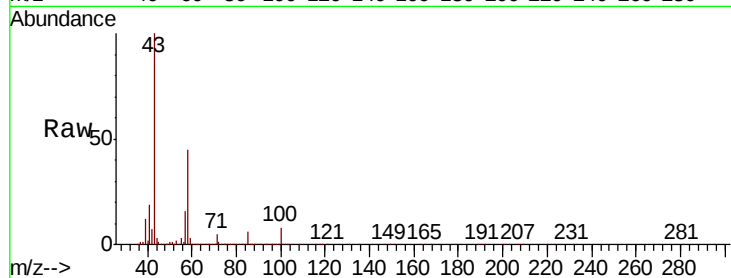




#59
2-Hexanone
Concen: 153.071 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

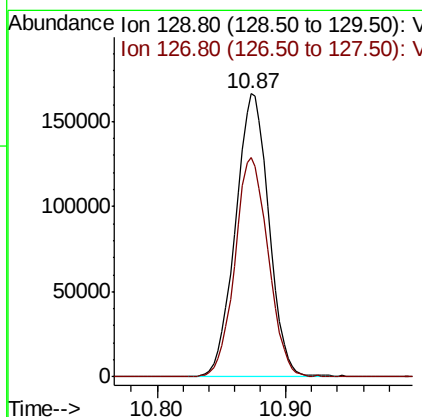
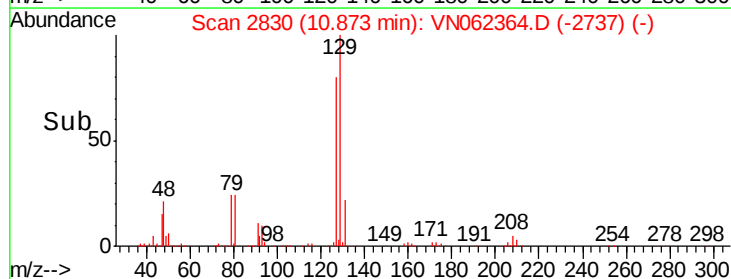
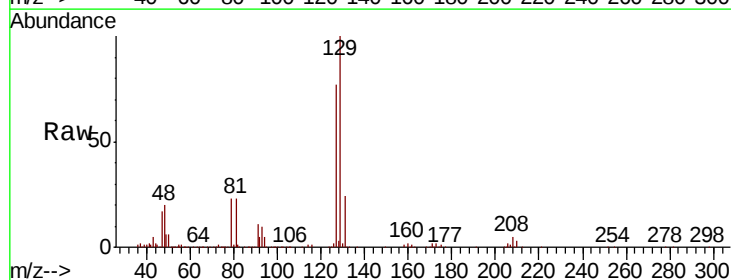
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

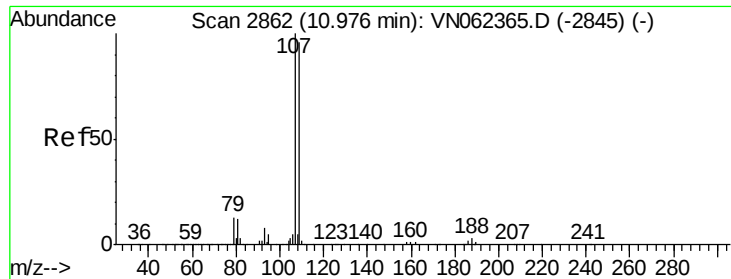
Tot Ion: 43 Resp: 1789980
Ion Ratio Lower Upper
43 100
58 44.4 23.5 70.6



#60
Dibromochloromethane
Concen: 20.536 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 129 Resp: 298454
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3

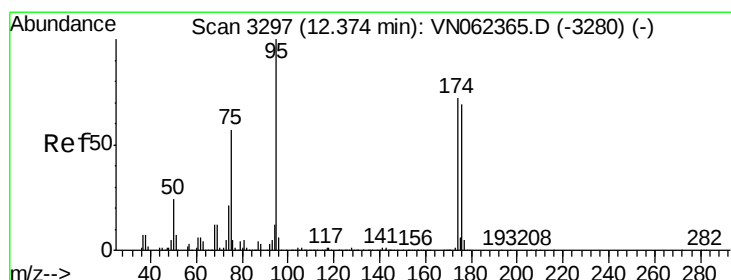
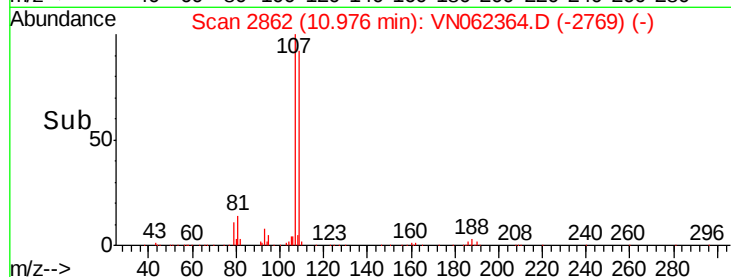
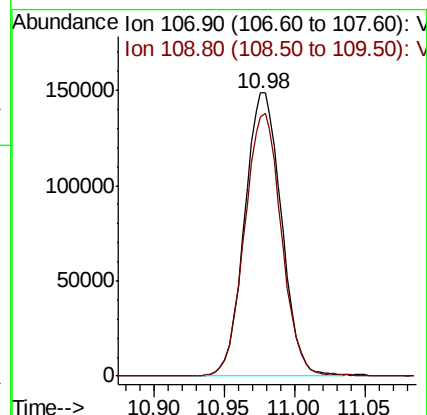
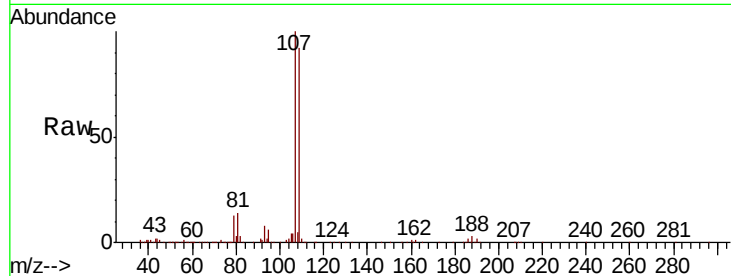




#61
 1,2-Dibromoethane
 Concen: 19.593 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

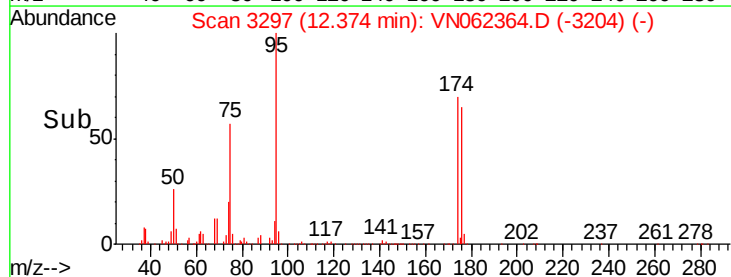
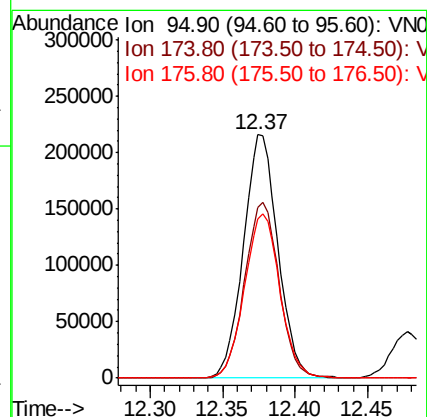
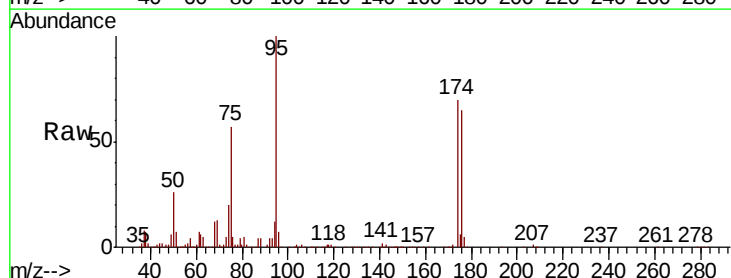
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

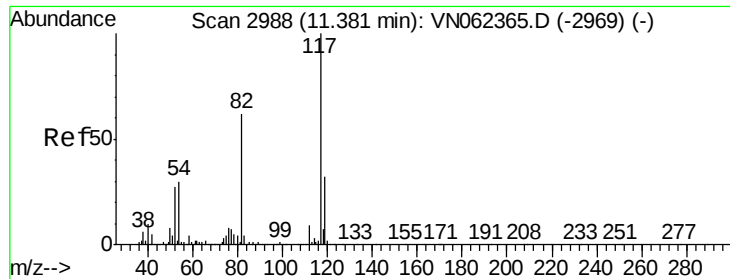
Tot Ion:107 Resp: 272582
 Ion Ratio Lower Upper
 107 100
 109 92.9 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 21.293 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 95 Resp: 356888
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 145.8
 176 69.3 0.0 140.2

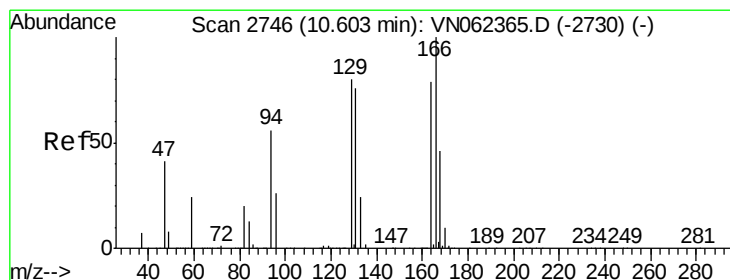
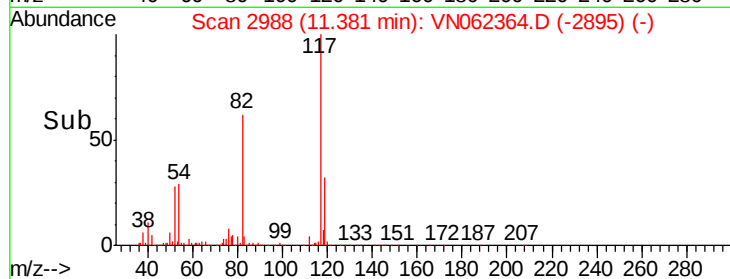
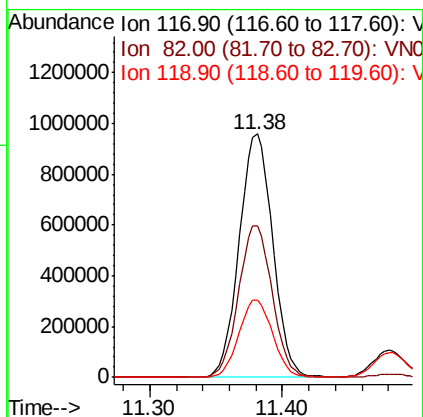
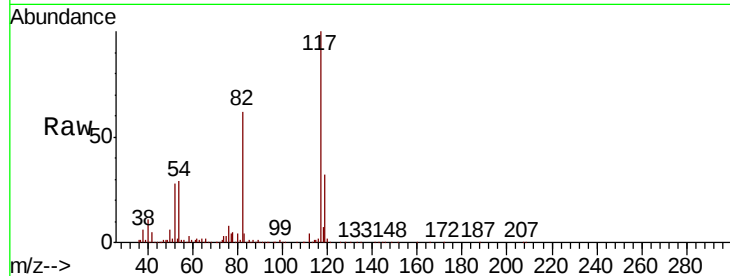




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

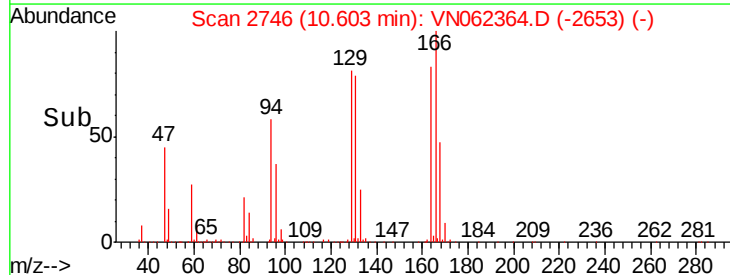
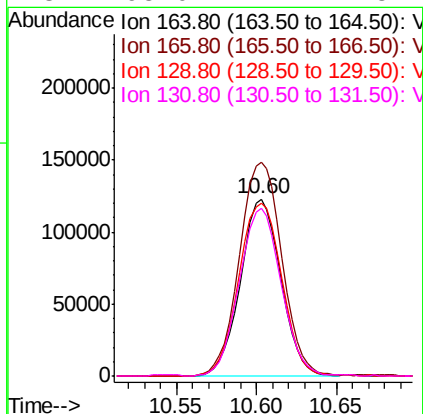
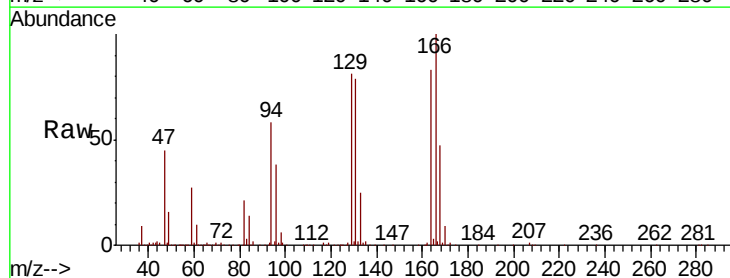
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

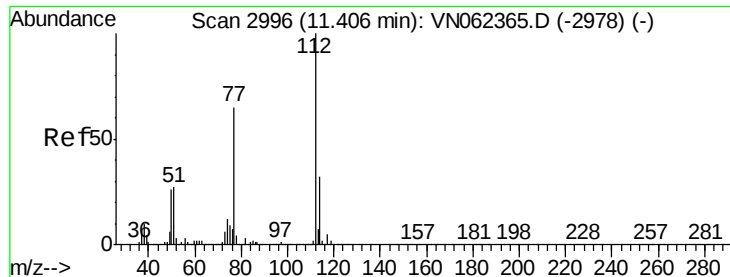
Tot Ion:117 Resp: 1687186
Ion Ratio Lower Upper
117 100
82 62.4 49.4 74.2
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 18.434 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion:164 Resp: 210943
Ion Ratio Lower Upper
164 100
166 120.7 101.6 152.4
129 98.1 81.4 122.2
131 95.0 77.1 115.7





#65

Chlorobenzene

Concen: 18.982 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

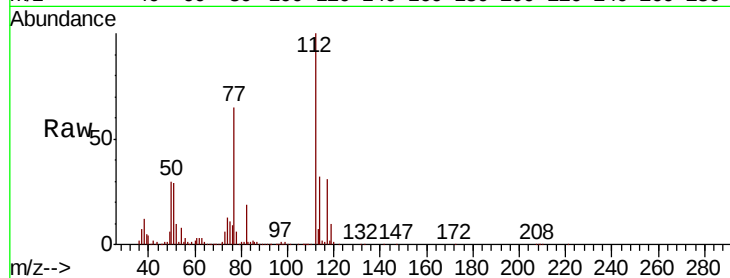
VSTDIC020

Tot Ion:112 Resp: 700652

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

400000

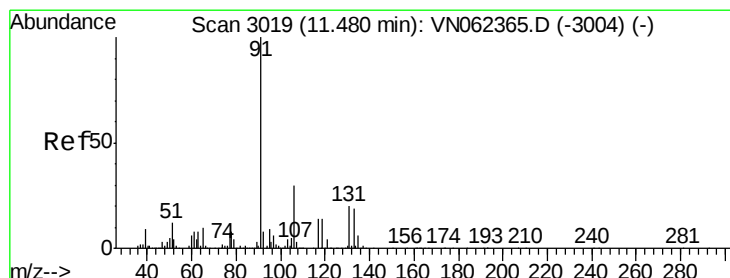
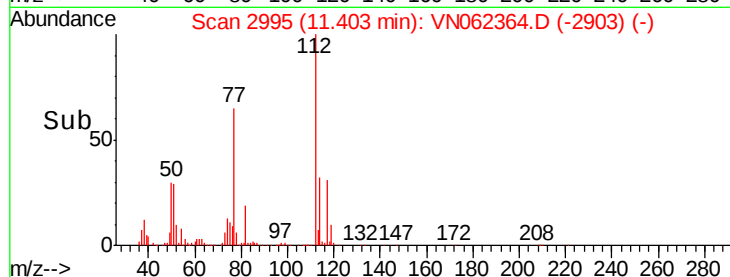
300000

200000

100000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 20.630 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

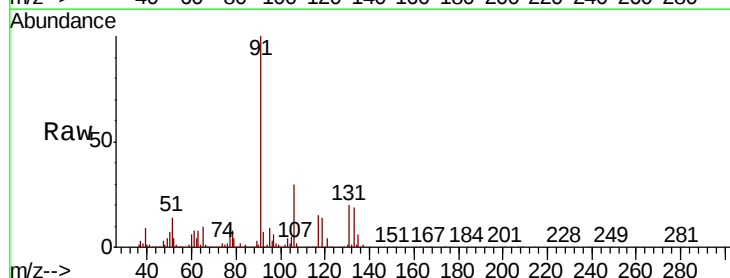
Tgt Ion:131 Resp: 265850

Ion Ratio Lower Upper

131 100

133 96.1 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

400000

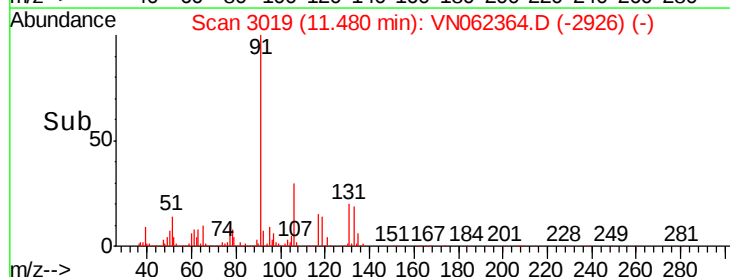
300000

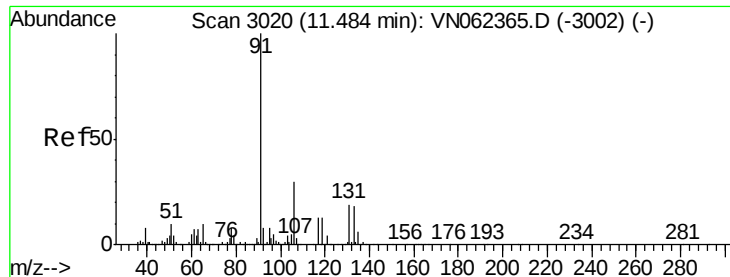
200000

100000

0

Time--> 11.40 11.50

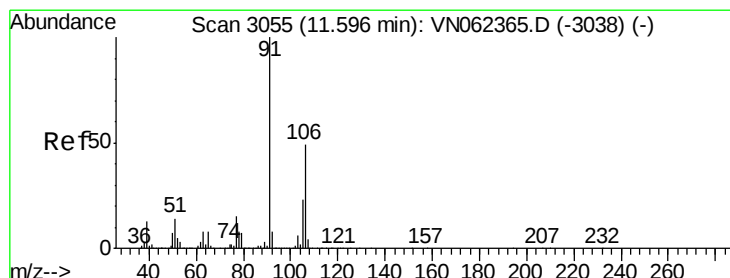
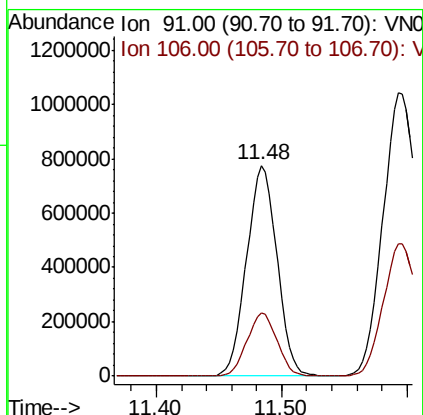
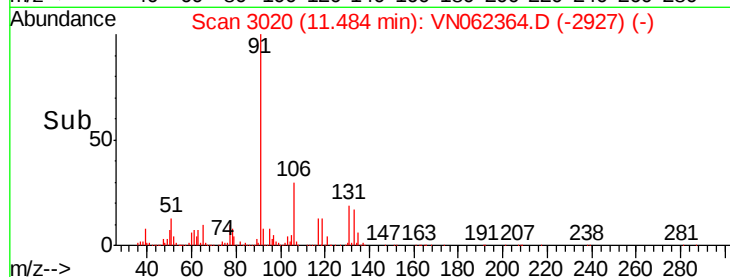
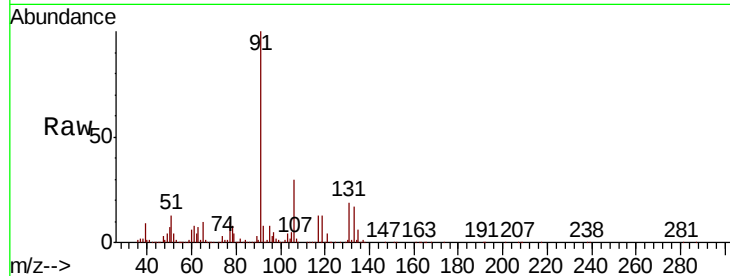




#67
Ethyl Benzene
Concen: 20.879 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

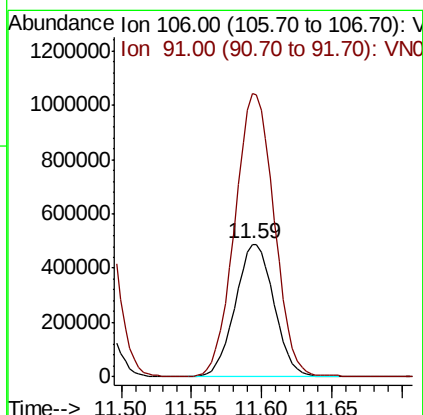
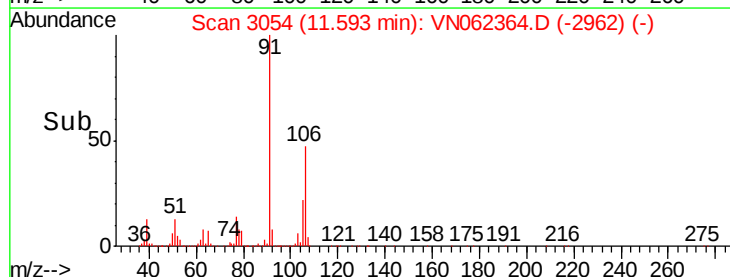
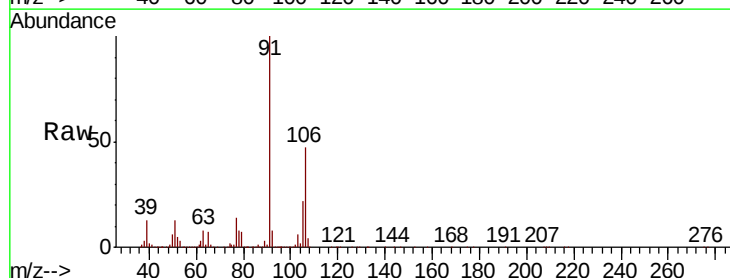
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

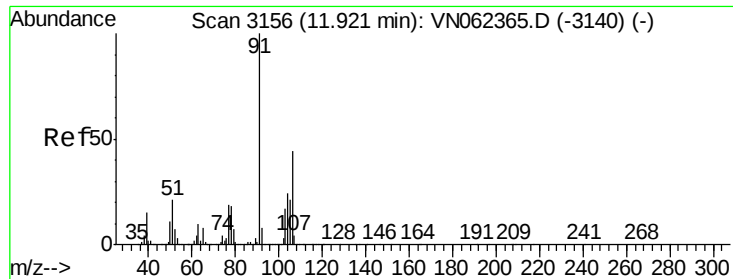
Tot Ion: 91 Resp: 1312226
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2



#68
m/p-Xylenes
Concen: 38.957 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 106 Resp: 937287
Ion Ratio Lower Upper
106 100
91 216.7 165.4 248.2

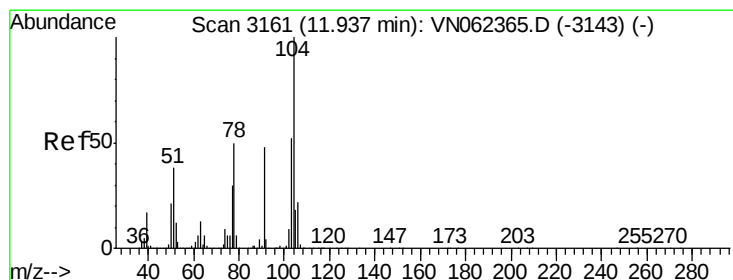
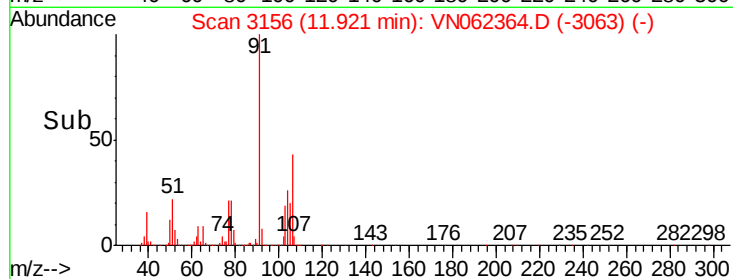
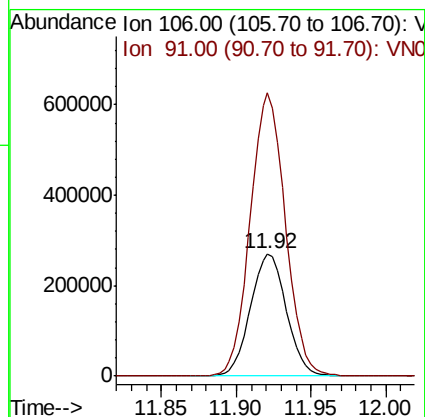
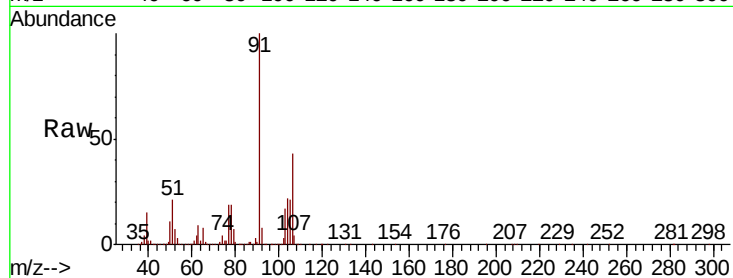




#69
o-Xylene
Concen: 19.892 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

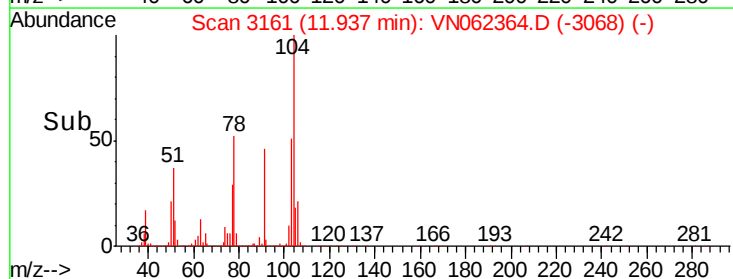
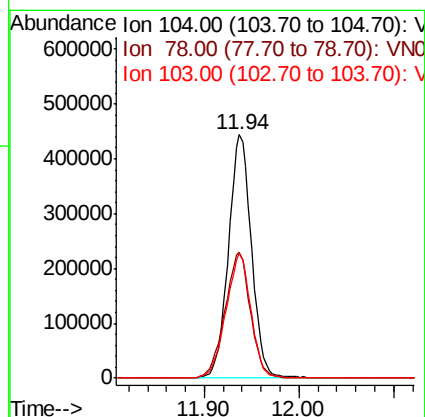
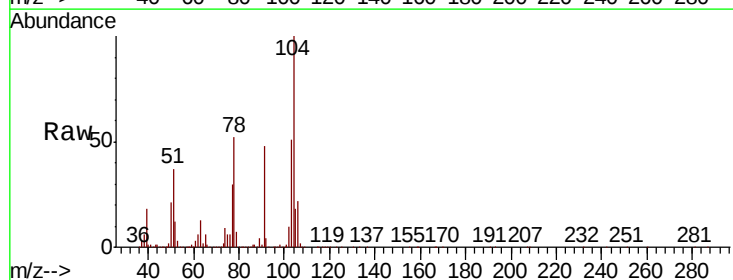
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

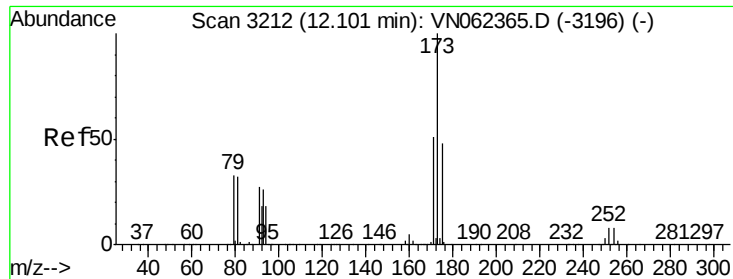
Tot Ion:106 Resp: 451322
Ion Ratio Lower Upper
106 100
91 226.0 113.1 339.4



#70
Styrene
Concen: 19.858 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion:104 Resp: 752940
Ion Ratio Lower Upper
104 100
78 56.7 44.8 67.2
103 55.3 45.0 67.4





#71

Bromoform

Concen: 21.048 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

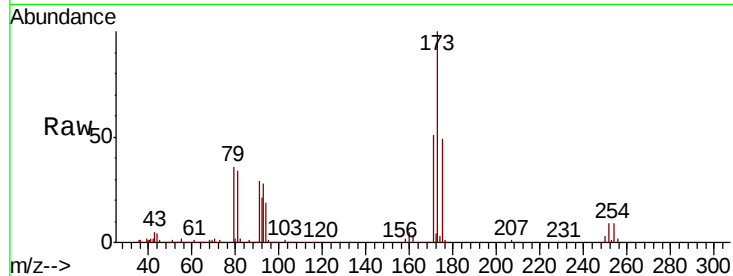
Tot Ion:173 Resp: 195690

Ion Ratio Lower Upper

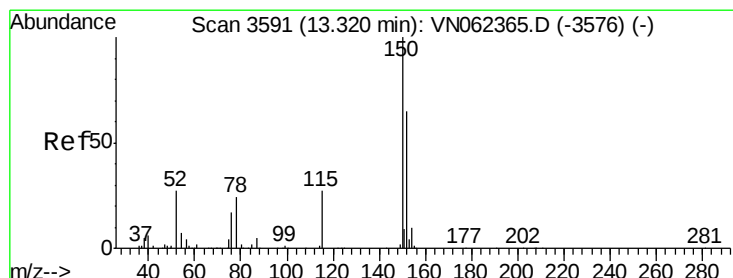
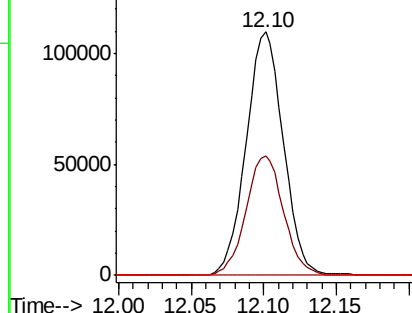
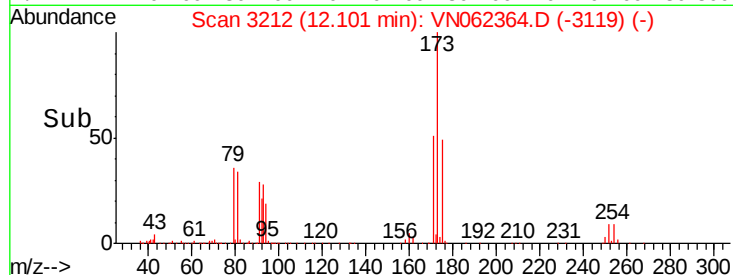
173 100

175 49.6 24.1 72.2

254 0.0 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# 3590

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

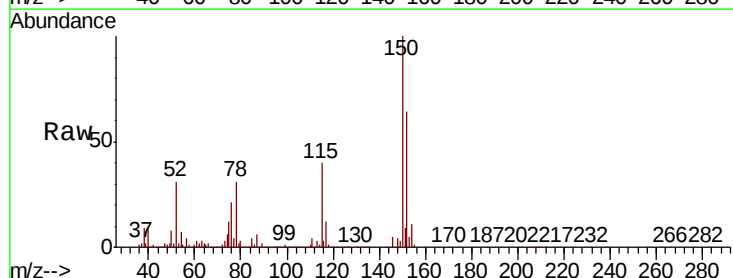
Tgt Ion:152 Resp: 767296

Ion Ratio Lower Upper

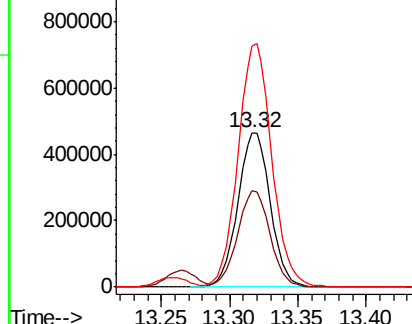
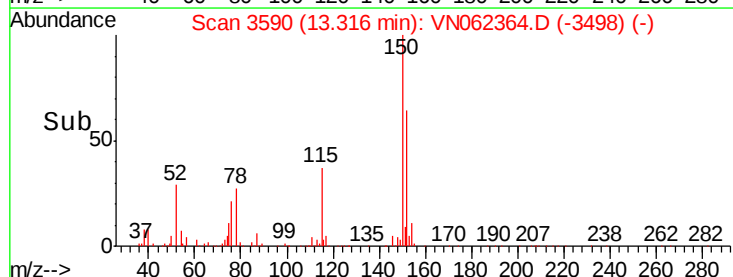
152 100

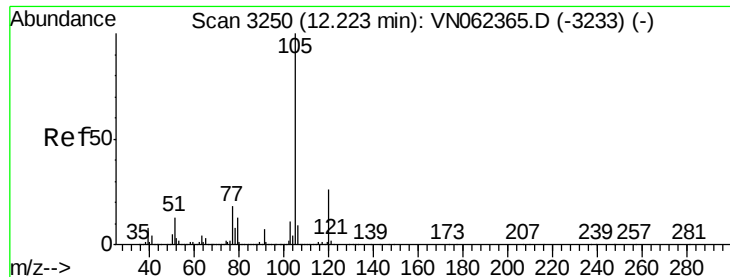
115 62.5 30.5 91.5

150 163.6 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: 20.938 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

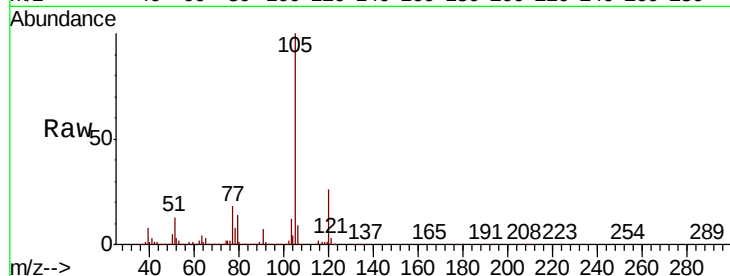
VSTDIC020

Tot Ion:105 Resp: 1240362

Ion Ratio Lower Upper

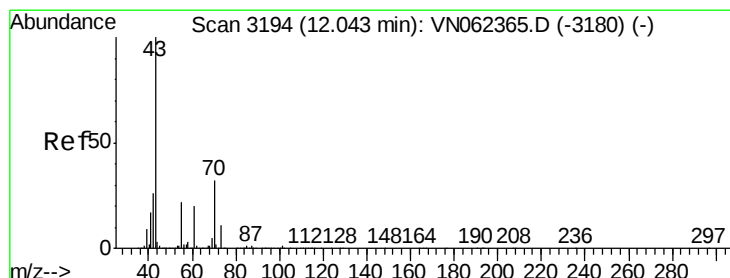
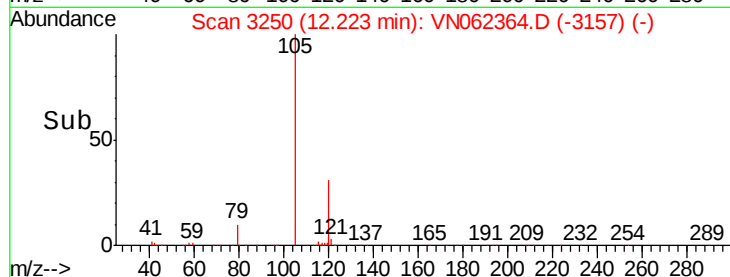
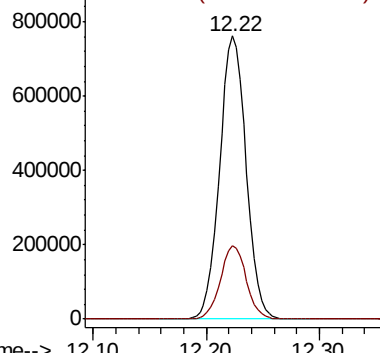
105 100

120 25.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 30.846 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Tgt Ion: 43 Resp: 662000

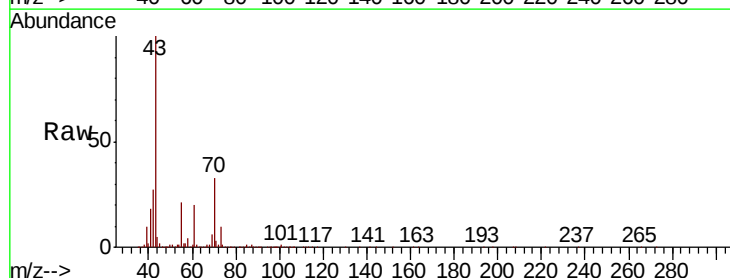
Ion Ratio Lower Upper

43 100

70 32.8 25.9 38.9

55 21.4 17.4 26.0

61 19.1 15.6 23.4

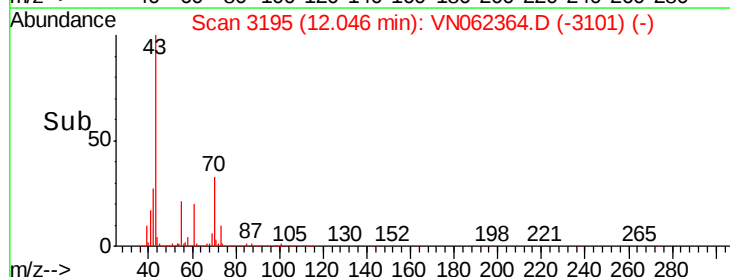
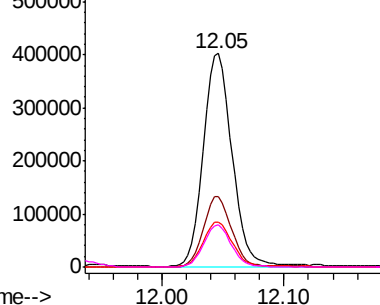


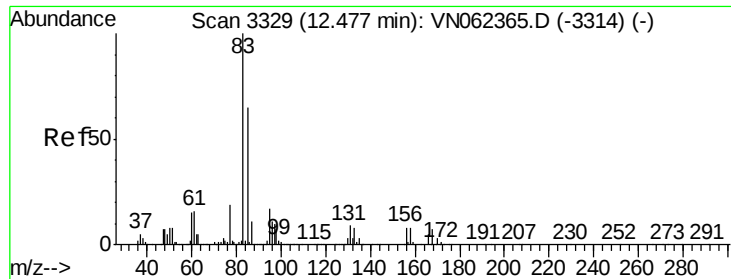
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.837 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

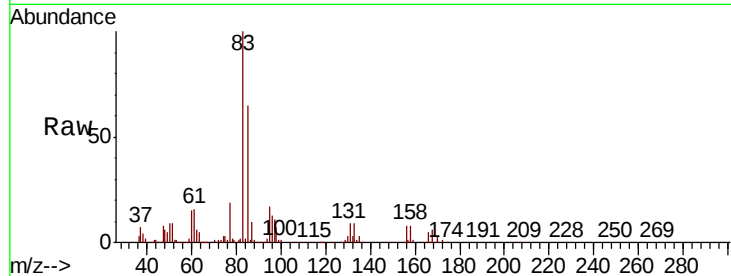
Tot Ion: 83 Resp: 413927

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 63.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN062364.D (-3329) (-)

Ion 130.80 (130.50 to 131.50): VN062364.D (-3329) (-)

Ion 84.90 (84.60 to 85.60): VN062364.D (-3329) (-)

12.48

250000

200000

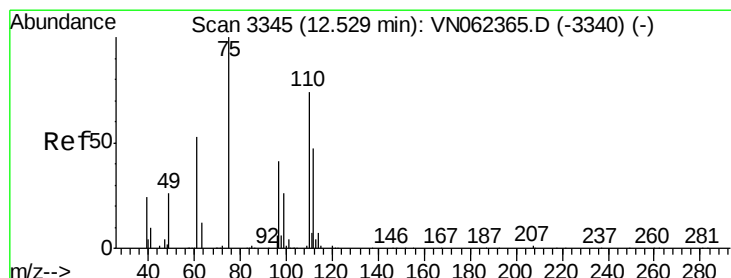
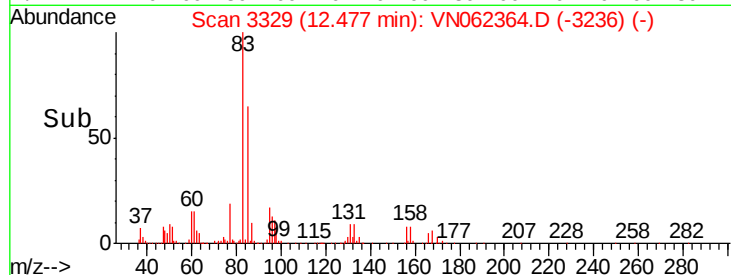
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.386 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062364.D

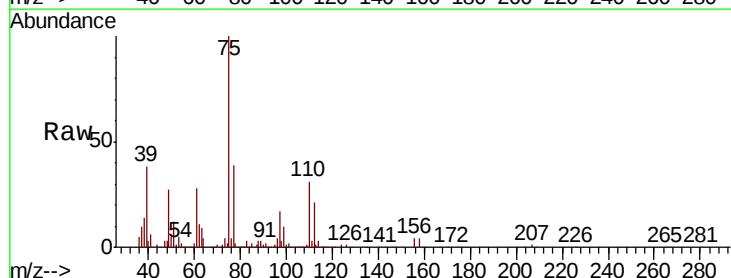
Acq: 6 Jul 2020 13:14

Tgt Ion: 75 Resp: 549789

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062364.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062364.D (-3345) (-)

12.53

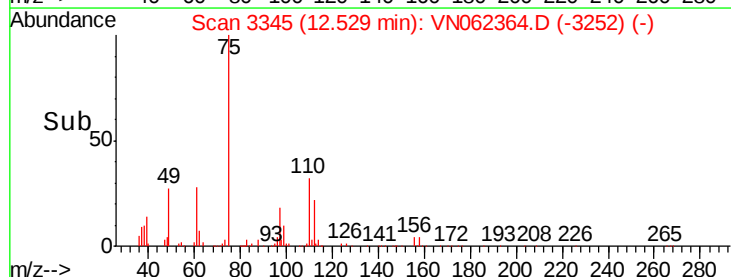
300000

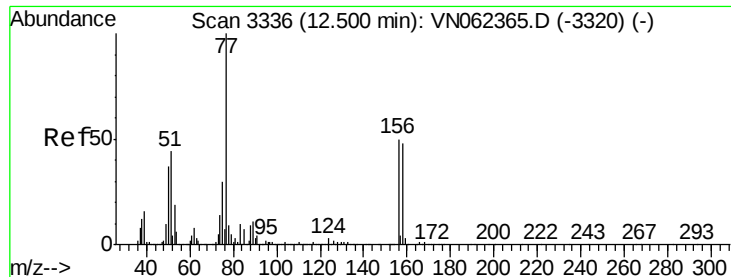
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 19.040 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

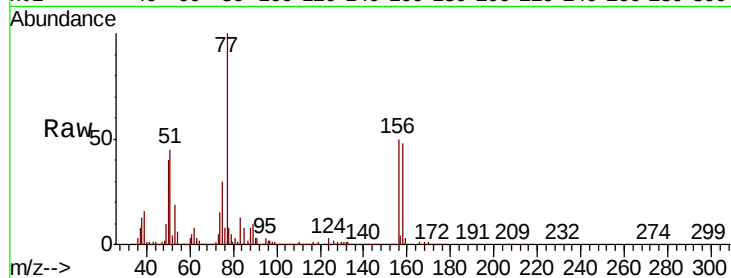
Tot Ion:156 Resp: 278344

Ion Ratio Lower Upper

156 100

77 248.6 123.3 369.8

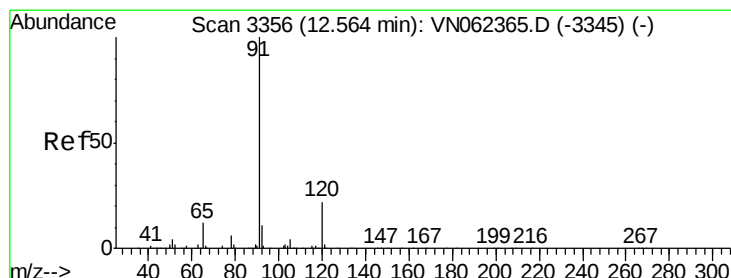
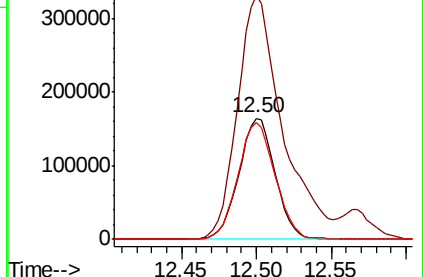
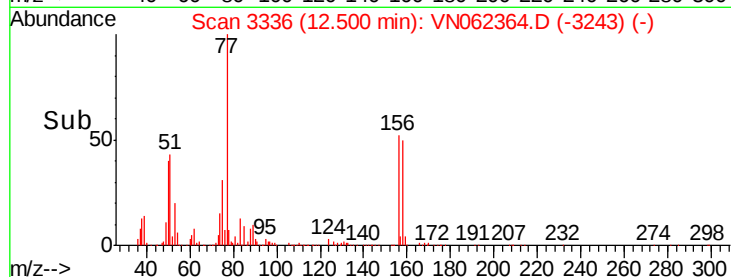
158 99.3 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.108 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062364.D

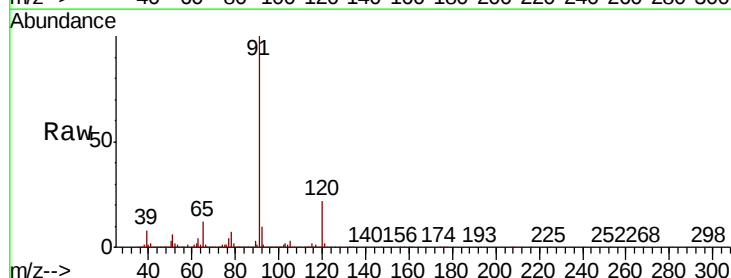
Acq: 6 Jul 2020 13:14

Tgt Ion: 91 Resp: 1434763

Ion Ratio Lower Upper

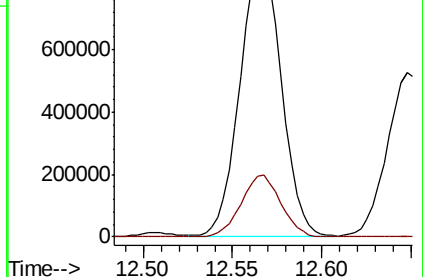
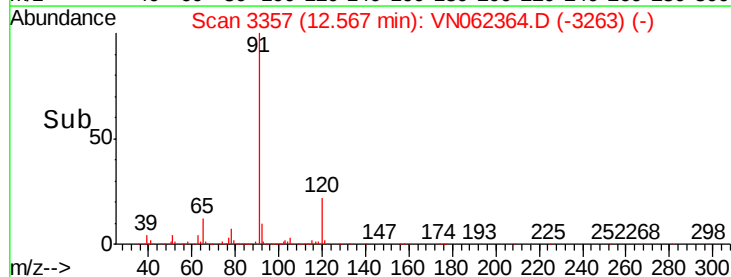
91 100

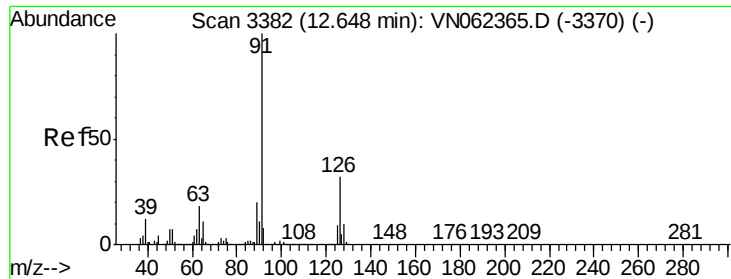
120 21.5 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

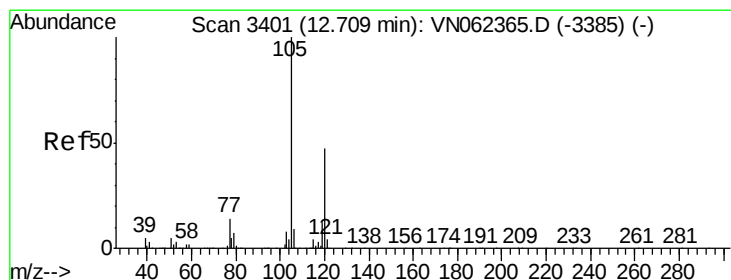
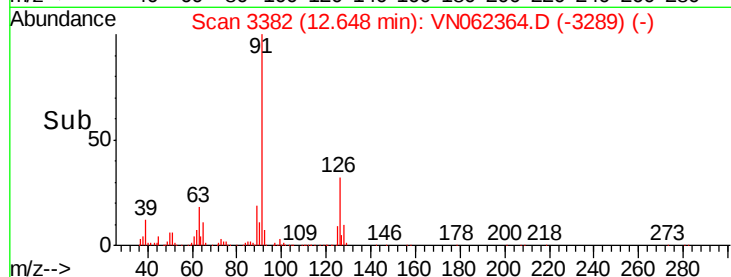
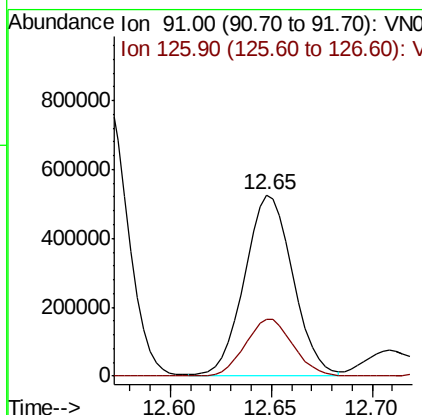
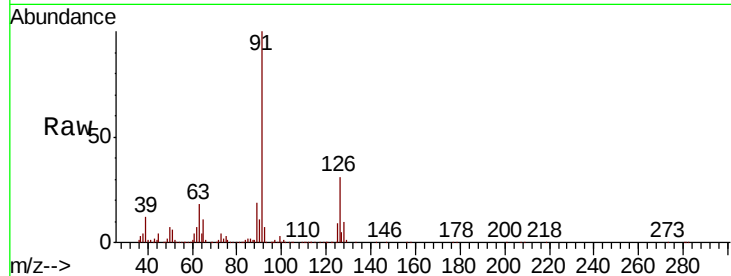




#79
 2-Chlorotoluene
 Concen: 21.111 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

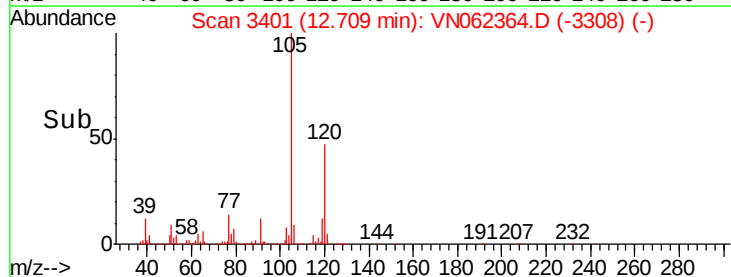
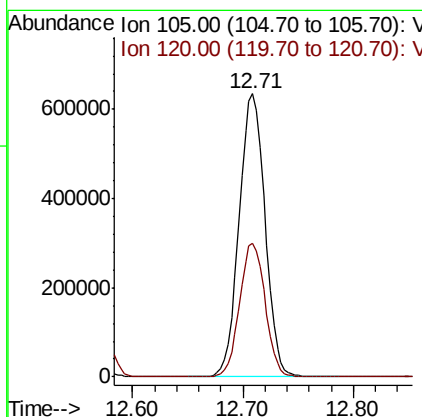
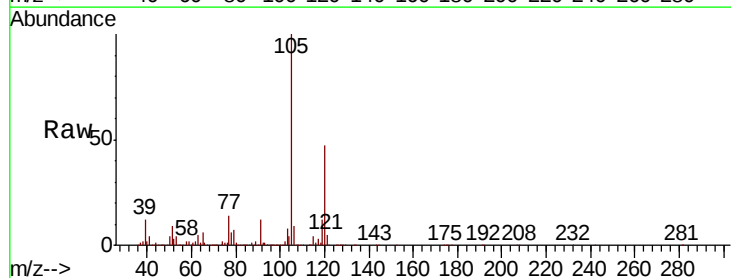
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

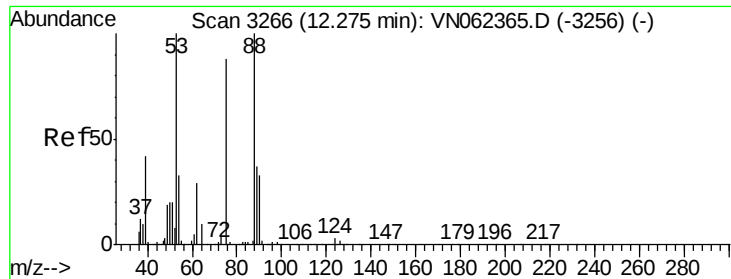
Tot Ion: 91 Resp: 871920
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.388 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion: 105 Resp: 1032738
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.990 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

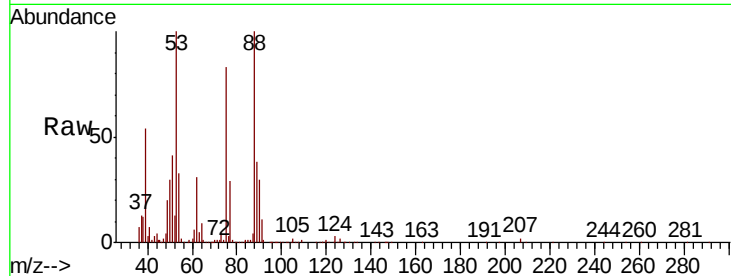
Tot Ion: 75 Resp: 131320

Ion Ratio Lower Upper

75 100

53 121.2 92.3 138.5

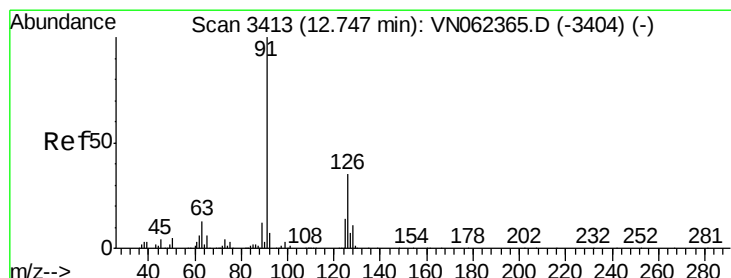
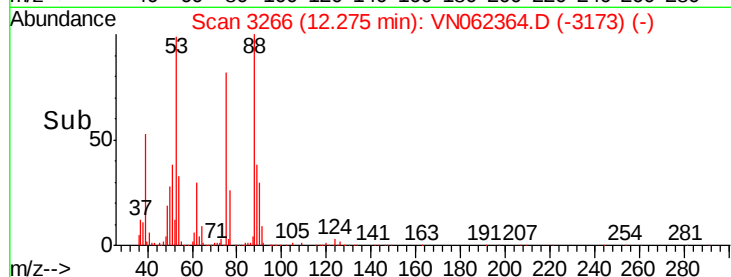
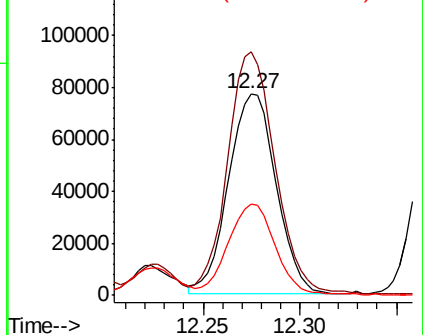
89 44.0 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.690 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062364.D

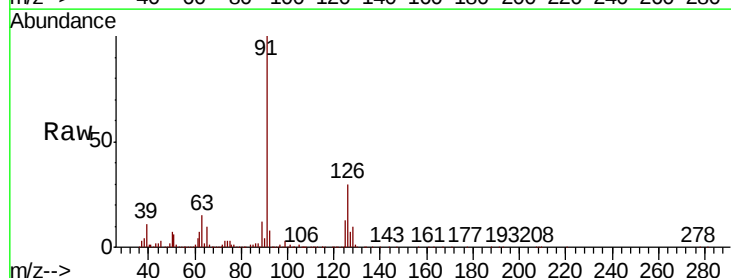
Acq: 6 Jul 2020 13:14

Tgt Ion: 91 Resp: 883700

Ion Ratio Lower Upper

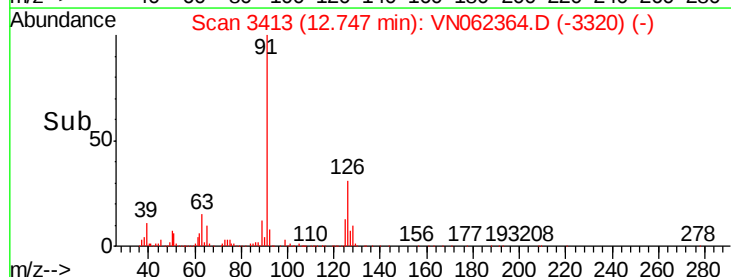
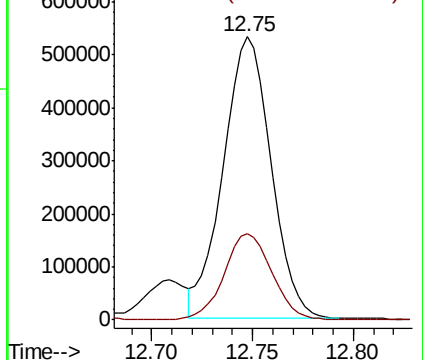
91 100

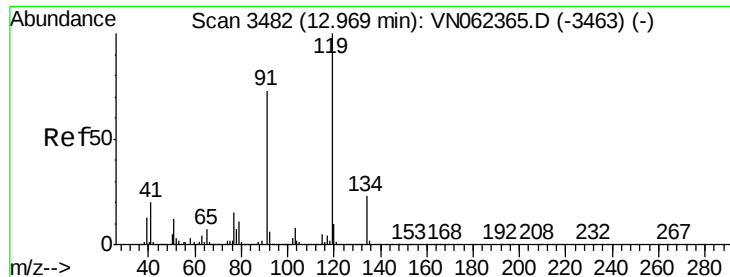
126 30.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.416 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

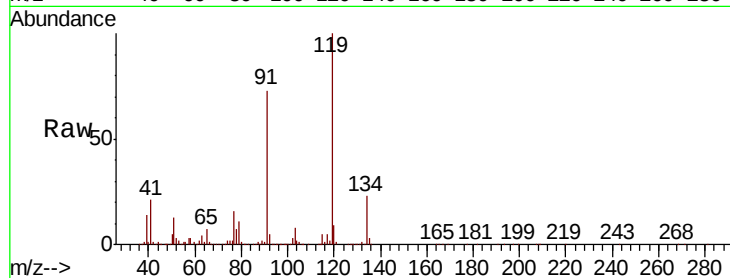
Tot Ion:119 Resp: 880021

Ion Ratio Lower Upper

119 100

91 69.8 36.4 109.1

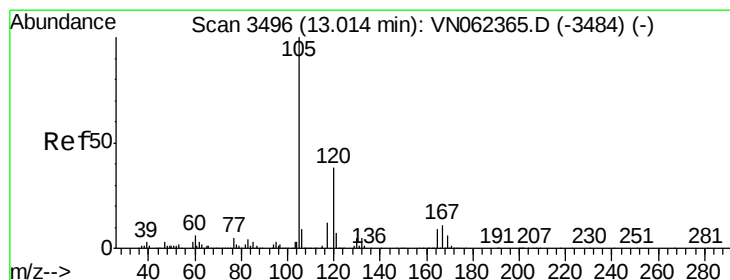
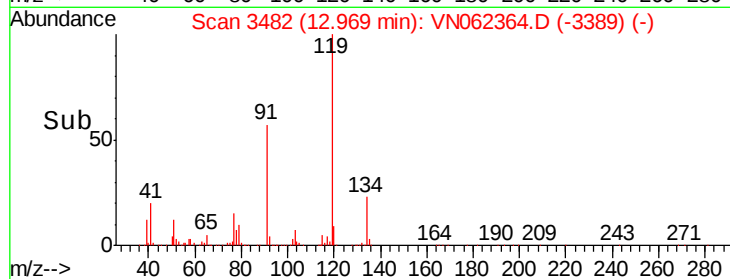
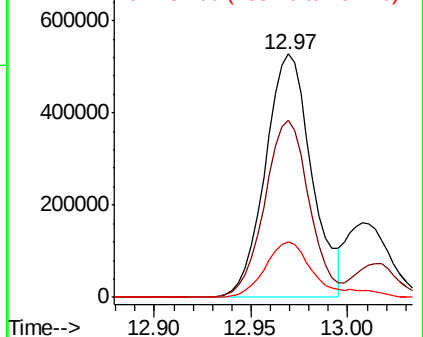
134 24.8 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.857 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN062364.D

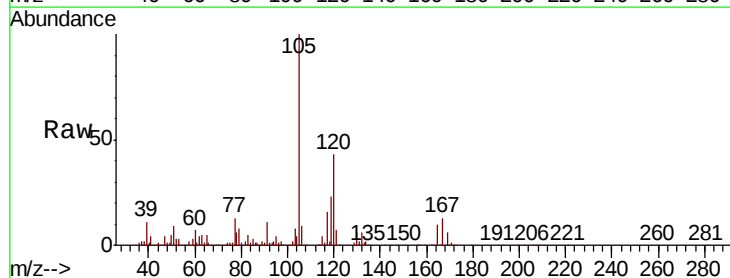
Acq: 6 Jul 2020 13:14

Tgt Ion:105 Resp: 1003405

Ion Ratio Lower Upper

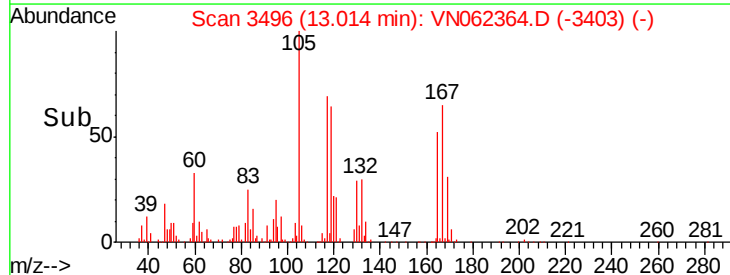
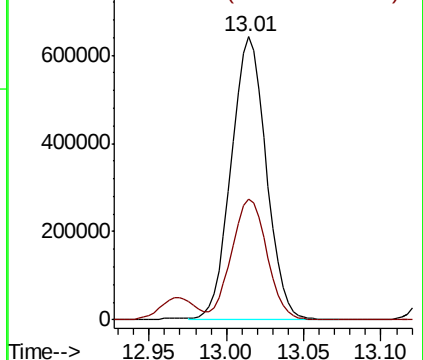
105 100

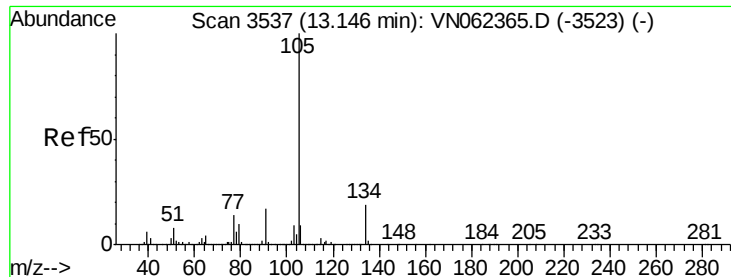
120 43.5 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.740 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

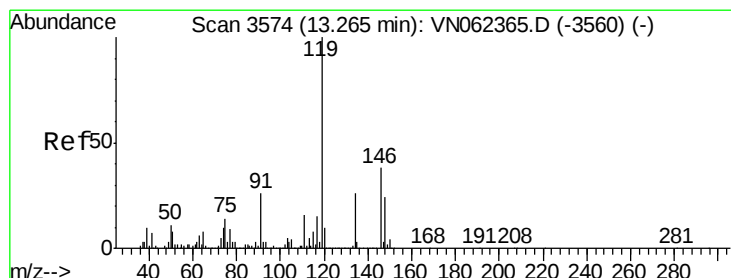
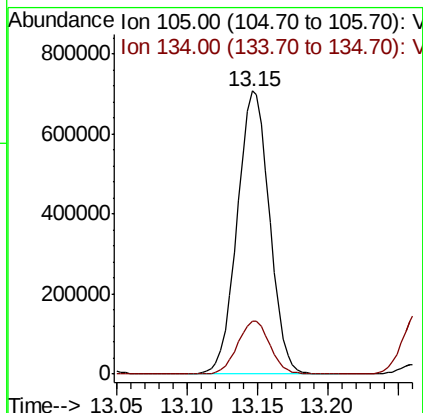
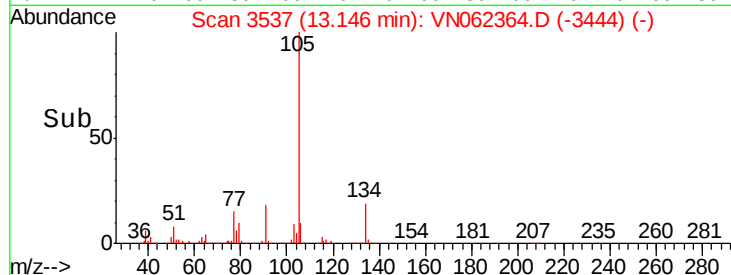
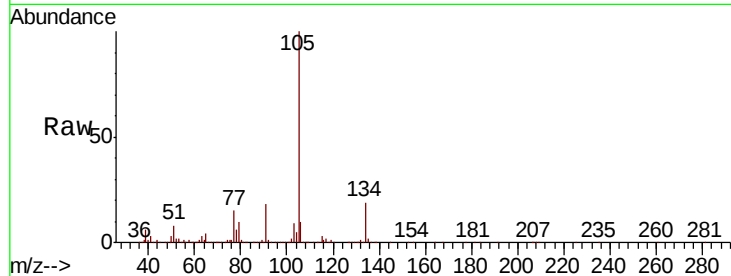
VSTDIC020

Tot Ion:105 Resp: 1131813

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



#86

p-Isopropyltoluene

Concen: 20.885 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

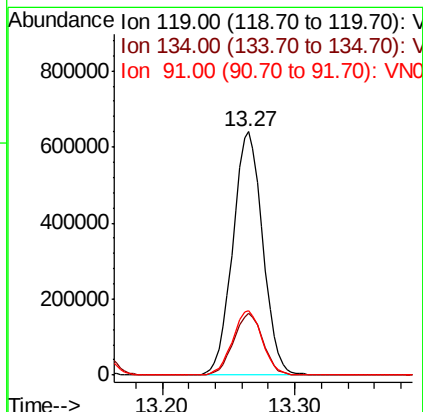
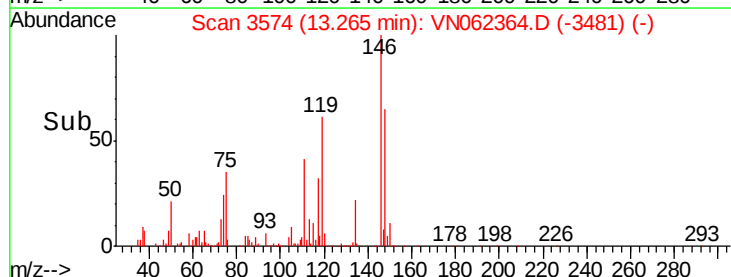
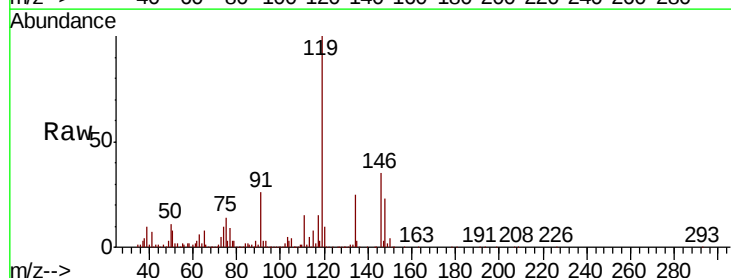
Tgt Ion:119 Resp: 996297

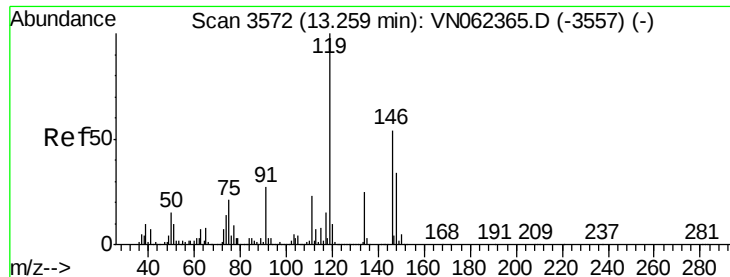
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 26.5 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 18.847 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

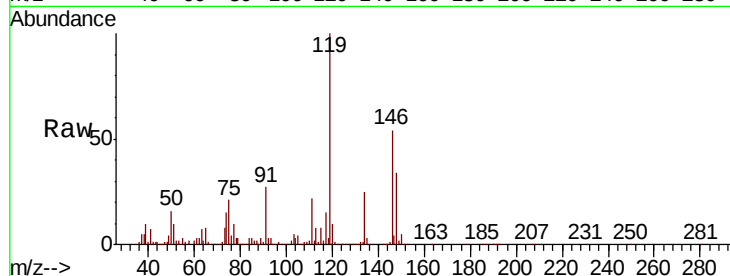
Tot Ion:146 Resp: 485303

Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.9

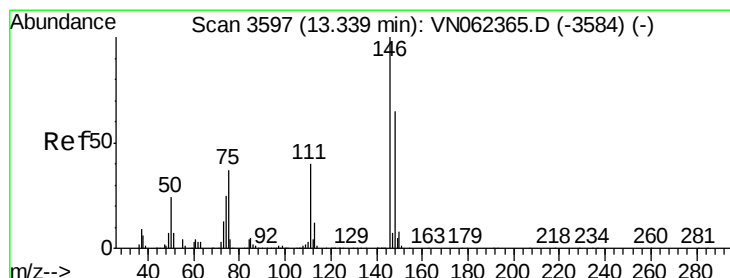
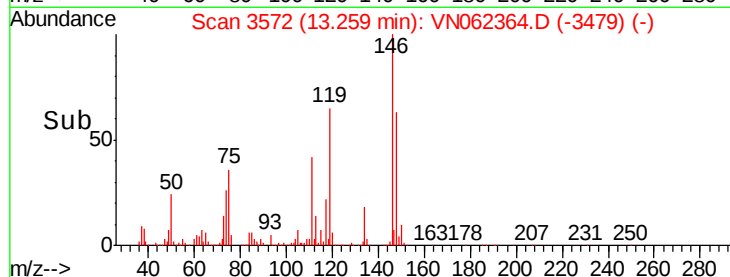
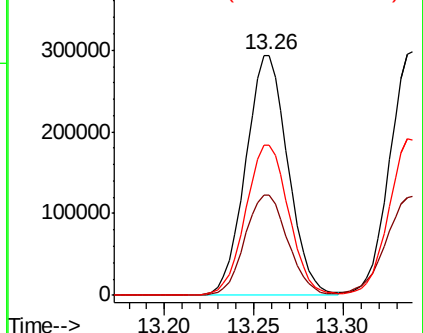
148 64.0 31.6 95.0



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: 18.357 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

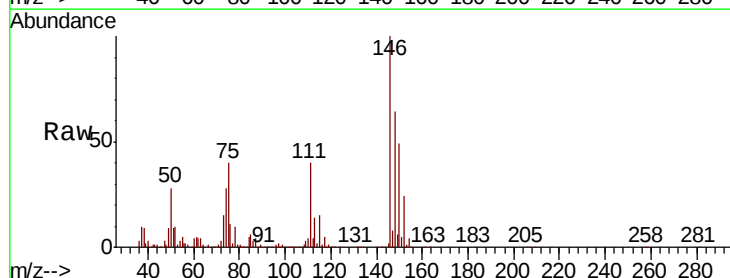
Tgt Ion:146 Resp: 487874

Ion Ratio Lower Upper

146 100

111 43.7 20.6 61.8

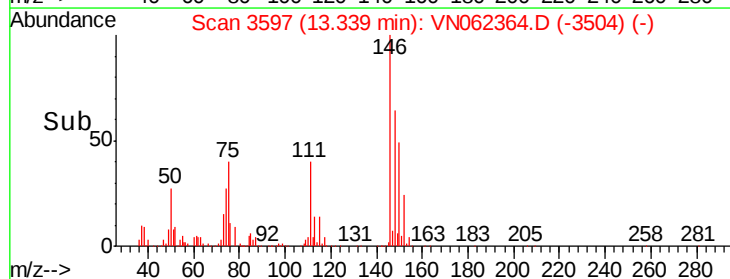
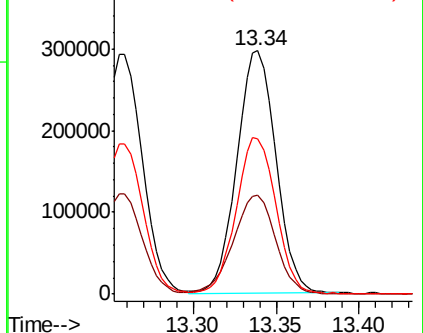
148 65.4 31.8 95.4

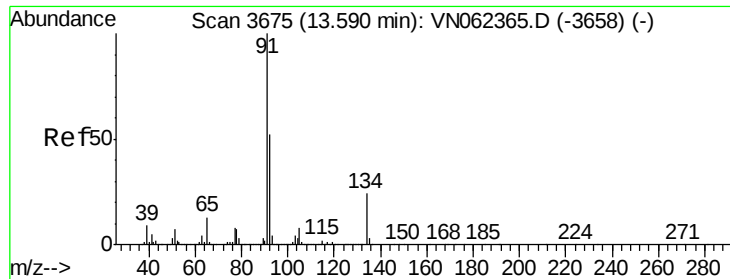


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

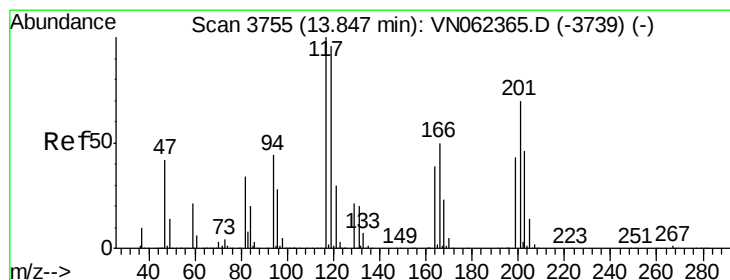
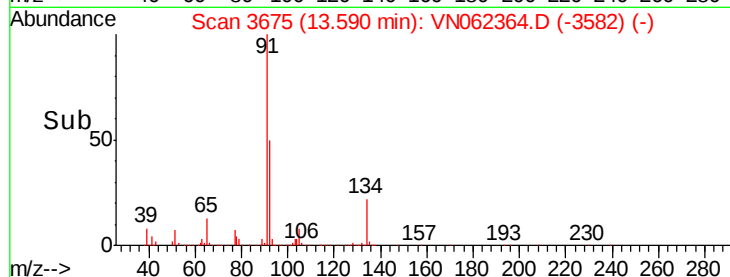
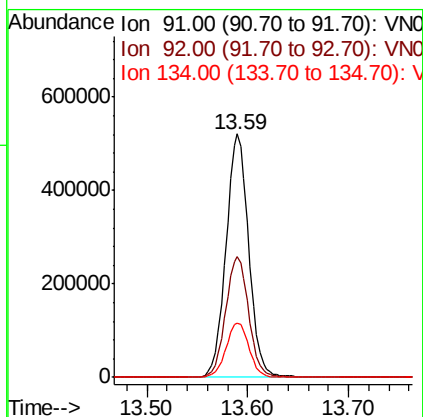
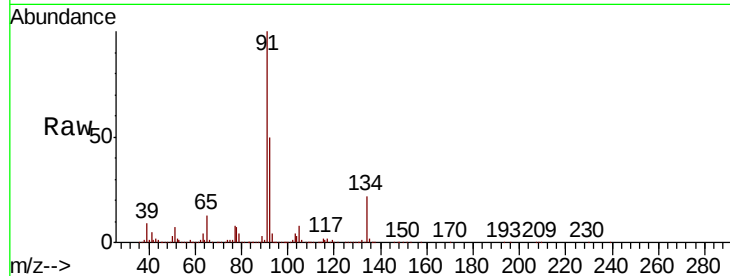




#89
n-Butylbenzene
Concen: 20.554 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

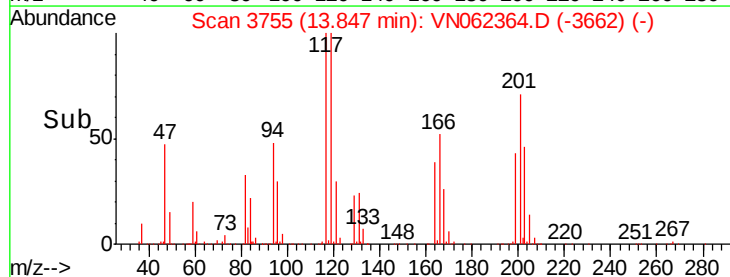
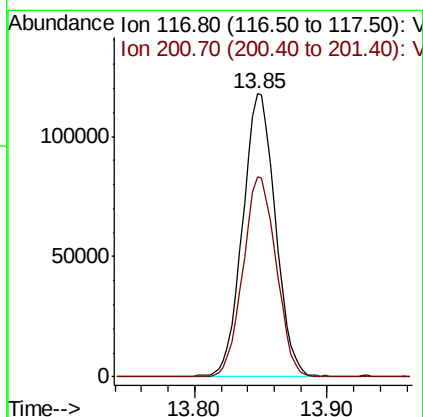
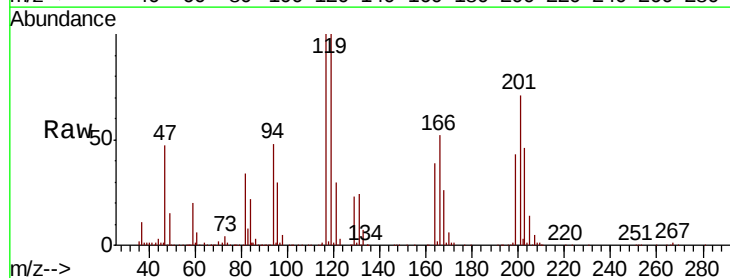
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

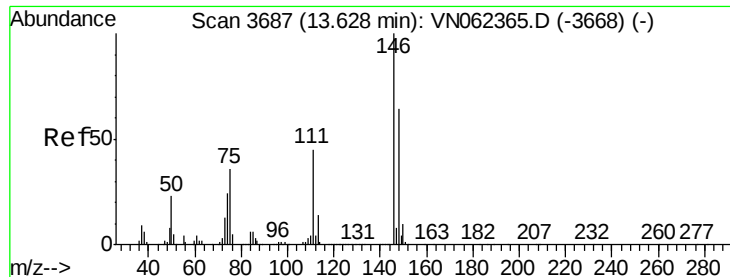
Tot Ion: 91 Resp: 821168
Ion Ratio Lower Upper
91 100
92 50.3 25.7 77.1
134 22.6 11.7 35.1



#90
Hexachloroethane
Concen: 21.299 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion: 117 Resp: 202227
Ion Ratio Lower Upper
117 100
201 71.3 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 19.335 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

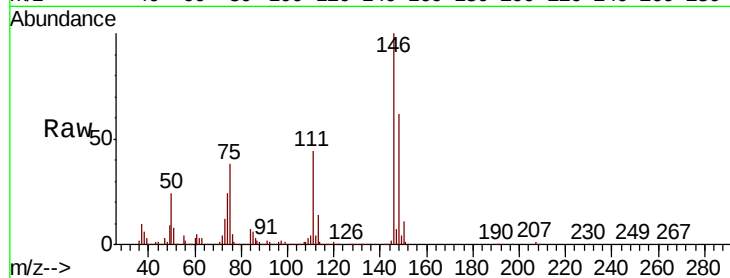
Tot Ion:146 Resp: 483002

Ion Ratio Lower Upper

146 100

111 44.8 22.3 66.9

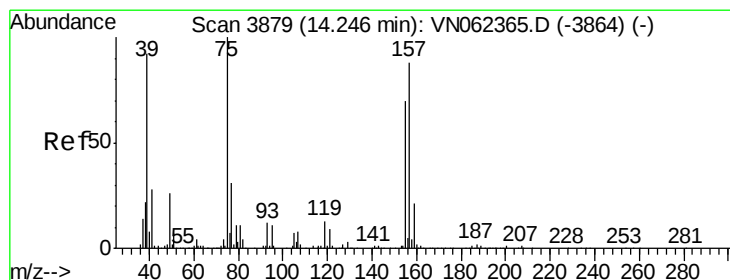
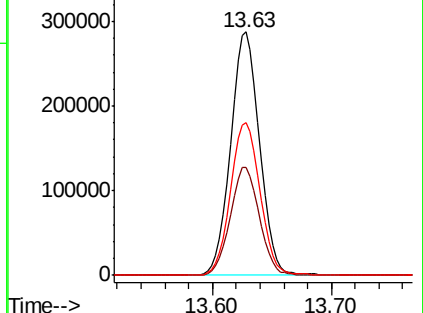
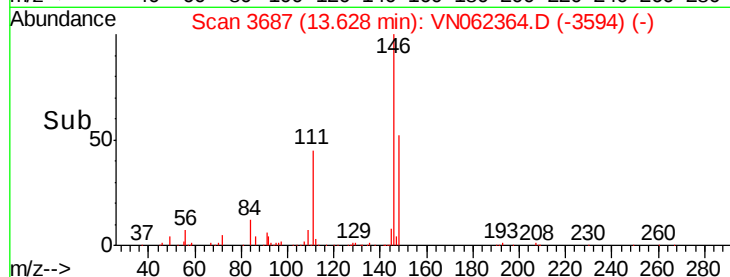
148 64.0 32.4 97.0



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: 24.368 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062364.D

Acq: 6 Jul 2020 13:14

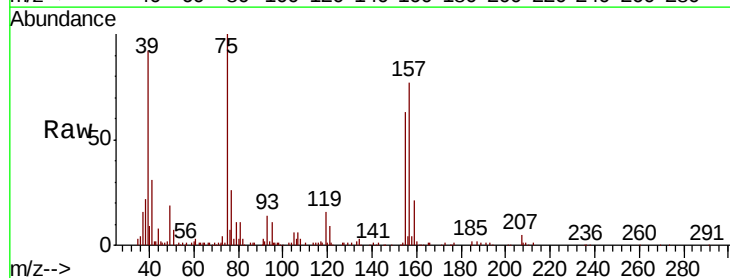
Tgt Ion: 75 Resp: 80168

Ion Ratio Lower Upper

75 100

155 65.9 34.1 102.2

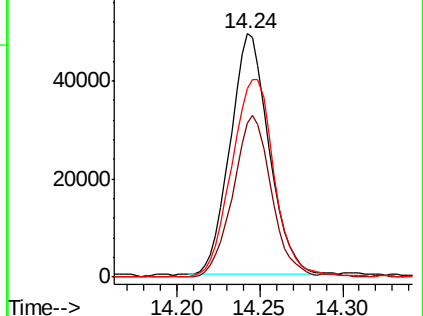
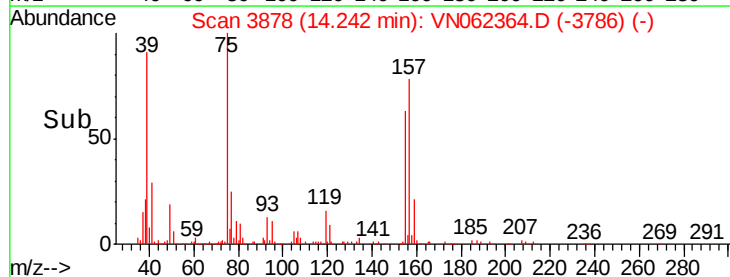
157 90.2 43.3 129.8

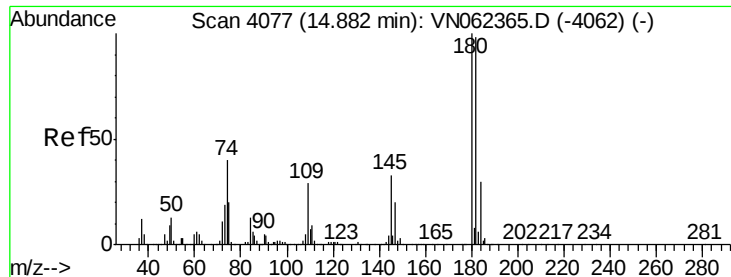


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

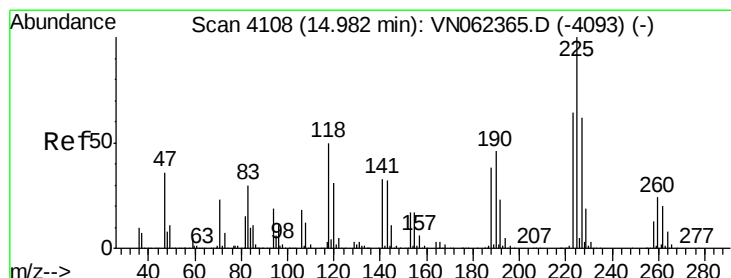
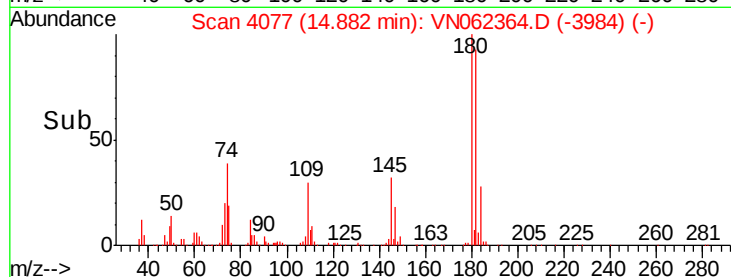
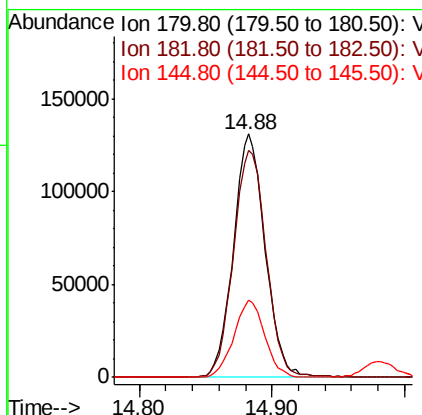
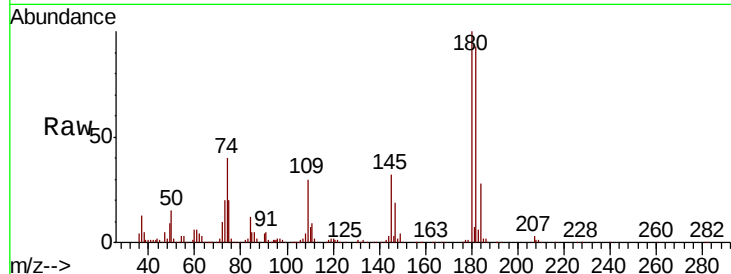




#93
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

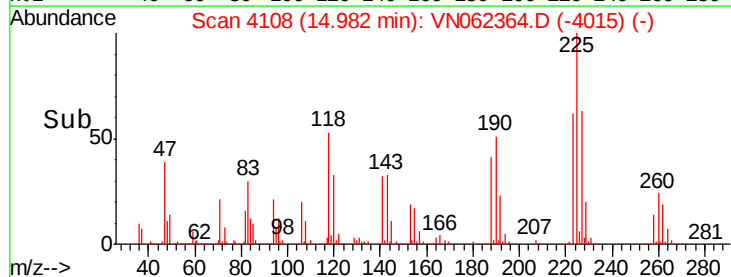
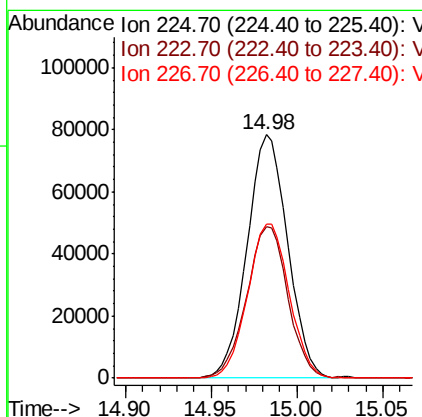
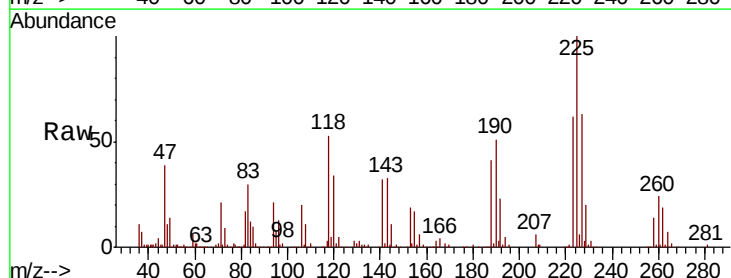
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

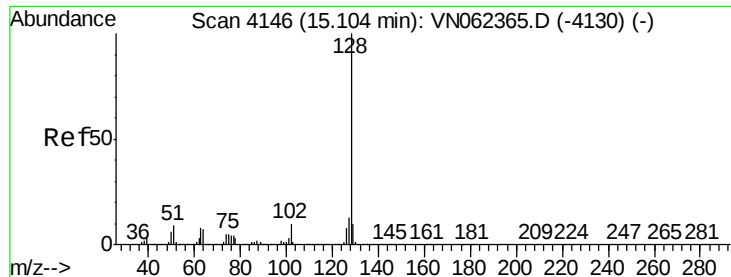
Tot Ion:180 Resp: 216879
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.6 142.8
 145 31.0 15.9 47.7



#94
 Hexachlorobutadiene
 Concen: 25.320 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062364.D
 Acq: 6 Jul 2020 13:14

Tgt Ion:225 Resp: 128331
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.7 95.1
 227 64.7 30.3 90.8

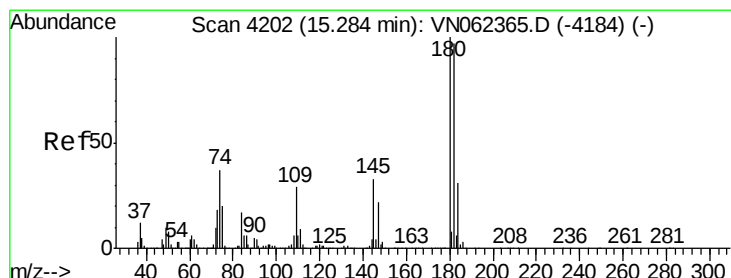
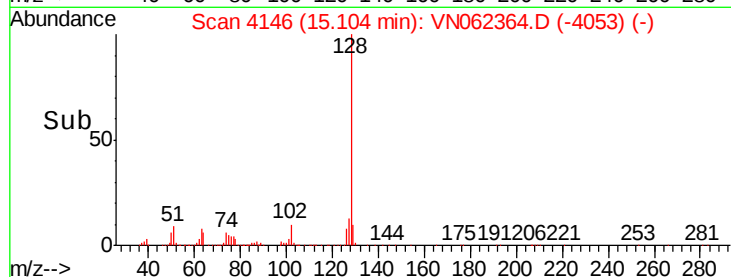
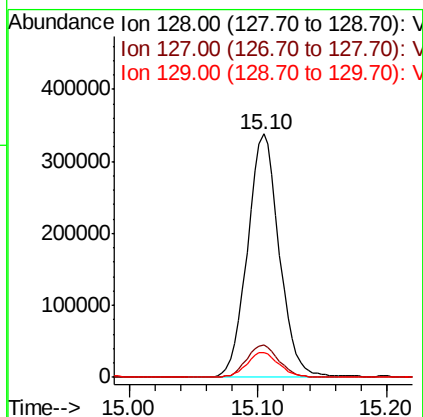
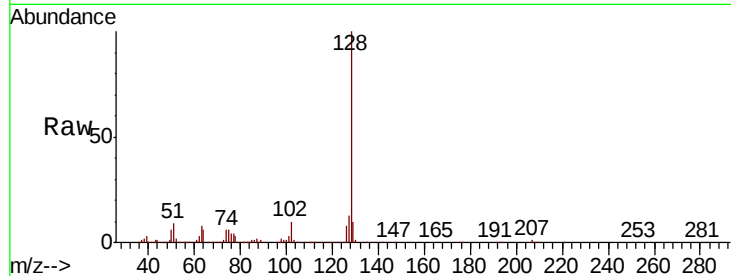




#95
Naphthalene
Concen: 18.337 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 580493
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.104 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062364.D
Acq: 6 Jul 2020 13:14

Tgt Ion:180 Resp: 214959
Ion Ratio Lower Upper
180 100
182 98.1 47.9 143.7
145 35.6 16.4 49.2

