

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055588.D
 Acq On : 14 May 2019 12:22
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: May 15 06:53:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1262634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1077511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	403444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	214882	19.73	ug/l	0.00
Spiked Amount			Recovery	=	39.46%	
35) Dibromofluoromethane	7.59	113	169285	20.76	ug/l	0.00
Spiked Amount			Recovery	=	41.52%	
50) Toluene-d8	10.09	98	648380	20.43	ug/l	0.00
Spiked Amount			Recovery	=	40.86%	
62) 4-Bromofluorobenzene	12.40	95	204278	19.28	ug/l	0.00
Spiked Amount			Recovery	=	38.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	148501	19.958	ug/l	99
3) Chloromethane	2.06	50	229822	19.199	ug/l	100
4) Vinyl Chloride	2.19	62	227280	19.968	ug/l	98
5) Bromomethane	2.55	94	131689	20.928	ug/l	97
6) Chloroethane	2.70	64	137415	20.539	ug/l	100
7) Trichlorofluoromethane	3.01	101	251808	20.145	ug/l	98
8) Diethyl Ether	3.41	74	115221	20.527	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156379	19.653	ug/l	98
10) Methyl Iodide	3.95	142	208102	19.457	ug/l	99
11) Tert butyl alcohol	4.81	59	132948	85.468	ug/l	97
12) 1,1-Dichloroethene	3.73	96	160378	20.097	ug/l	99
13) Acrolein	3.60	56	127167	113.516	ug/l	98
14) Allyl chloride	4.32	41	301498	18.685	ug/l	99
15) Acrylonitrile	4.99	53	453842	92.453	ug/l	99
16) Acetone	3.82	43	503432	100.336	ug/l	99
17) Carbon Disulfide	4.04	76	449940	20.537	ug/l	99
18) Methyl Acetate	4.33	43	193996	15.823	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	504879	19.260	ug/l	100
20) Methylene Chloride	4.55	84	195933	18.955	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	177112	20.439	ug/l	96
22) Diisopropyl ether	5.95	45	638808	19.510	ug/l	99
23) Vinyl Acetate	5.90	43	2394297	95.018	ug/l	100
24) 1,1-Dichloroethane	5.85	63	346280	19.434	ug/l	100
25) 2-Butanone	6.84	43	644962	94.391	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223891	20.183	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	202527	20.331	ug/l	100
28) Bromochloromethane	7.19	49	164756	18.075	ug/l	98
29) Tetrahydrofuran	7.21	42	412399	91.216	ug/l	100
30) Chloroform	7.37	83	325762	19.802	ug/l	98
31) Cyclohexane	7.65	56	338064	19.164	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	254073	20.211	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247900	20.035	ug/l	100
37) Ethyl Acetate	6.93	43	244192	18.452	ug/l	100
38) Carbon Tetrachloride	7.77	117	203696	19.440	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	289576	19.208	ug/l	99
40) Benzene	8.04	78	777314	20.265	ug/l	99
41) Methacrylonitrile	7.17	41	120218	19.623	ug/l	98
42) 1,2-Dichloroethane	8.12	62	253220	18.858	ug/l	99
43) Isopropyl Acetate	8.17	43	369992	18.460	ug/l	99
44) Trichloroethene	8.83	130	187718	20.425	ug/l	98
45) 1,2-Dichloropropane	9.12	63	215018	19.634	ug/l	99
46) Dibromomethane	9.21	93	126430	19.933	ug/l	98
47) Bromodichloromethane	9.40	83	237934	19.527	ug/l	97
48) Methyl methacrylate	9.20	41	181732	18.762	ug/l	99
49) 1,4-Dioxane	9.20	88	66436	354.234	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1169321	89.133	ug/l	99
52) Toluene	10.15	92	441939	20.129	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	228306	19.601	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	277982	19.907	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173330	19.527	ug/l	97
56) Ethyl methacrylate	10.43	69	248328	19.003	ug/l	98
57) 1,3-Dichloropropane	10.71	76	307912	19.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	330047	91.639	ug/l	99
59) 2-Hexanone	10.75	43	820137	89.277	ug/l	99
60) Dibromochloromethane	10.90	129	162398	20.109	ug/l	100
61) 1,2-Dibromoethane	11.00	107	170524	20.052	ug/l	97
64) Tetrachloroethene	10.63	164	180578	20.497	ug/l	98
65) Chlorobenzene	11.43	112	450863	20.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	155312	20.326	ug/l	99
67) Ethyl Benzene	11.51	91	812234	19.649	ug/l	99
68) m/p-Xylenes	11.62	106	595583	40.036	ug/l	100
69) o-Xylene	11.95	106	291914	19.993	ug/l	99
70) Styrene	11.96	104	473783	20.304	ug/l	100
71) Bromoform	12.12	173	101627	19.859	ug/l #	98
73) Isopropylbenzene	12.25	105	775844	19.678	ug/l	99
74) N-amyl acetate	12.07	43	270080	18.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238450	18.657	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	279699	25.903	ug/l #	100
77) Bromobenzene	12.53	156	176545	19.864	ug/l	98
78) n-propylbenzene	12.59	91	846642	19.675	ug/l	100
79) 2-Chlorotoluene	12.67	91	521505	19.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	629071	19.634	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57313	19.672	ug/l	97
82) 4-Chlorotoluene	12.77	91	499788	19.738	ug/l	98
83) tert-Butylbenzene	12.99	119	538130	19.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	581034	19.780	ug/l	99
85) sec-Butylbenzene	13.17	105	698533	19.186	ug/l	100
86) p-Isopropyltoluene	13.29	119	577325	19.487	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	276680	20.221	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269283	19.918	ug/l	99
89) n-Butylbenzene	13.61	91	416484	18.318	ug/l	99
90) Hexachloroethane	13.87	117	94263	19.479	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	275959	20.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31075	17.141	ug/l	96

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ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
QLast Update : Wed May 15 06:47:21 2019
Response via : Initial Calibration

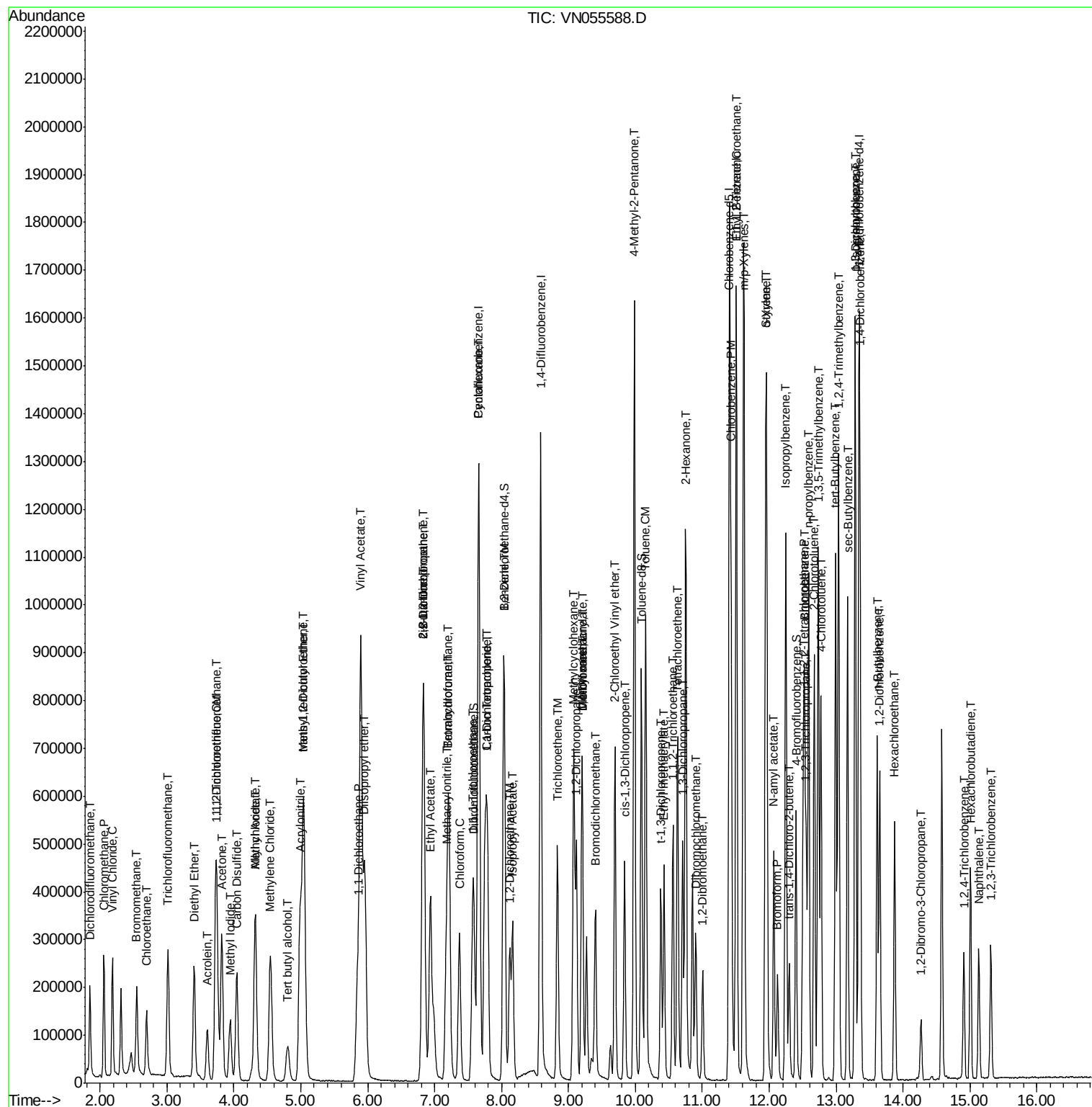
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85603	18.485	ug/l	99
94) Hexachlorobutadiene	15.01	225	86507	17.639	ug/l	99
95) Naphthalene	15.13	128	234814	17.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	96771	17.824	ug/l	98

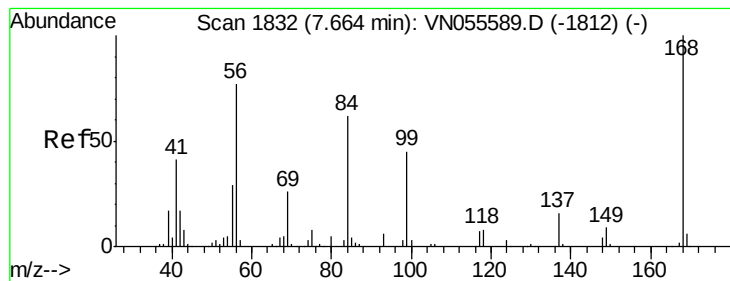
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051419\
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Quant Title : SW846 8260
QLast Update : Wed May 15 06:47:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

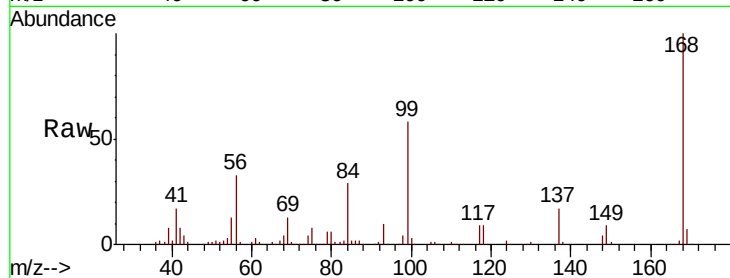
VSTDIC020

Tot Ion:168 Resp: 728759

Ion Ratio Lower Upper

168 100

99 57.3 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN055588.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055588.D (-1739) (-)

7.66

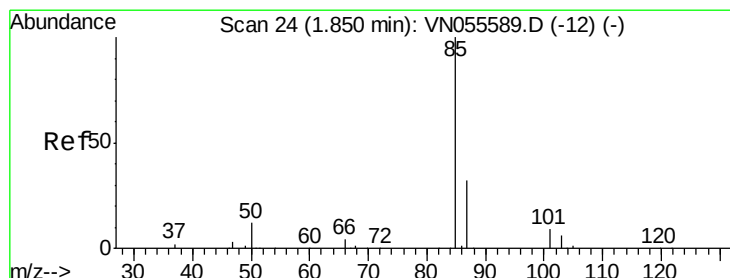
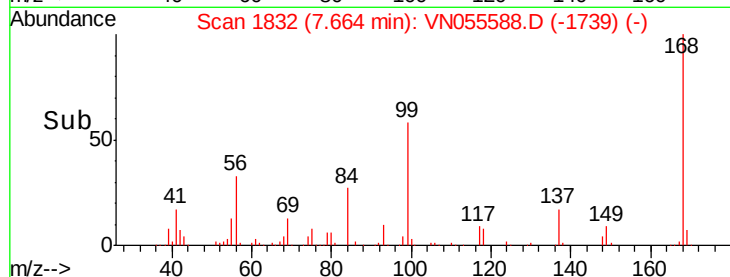
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.958 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055588.D

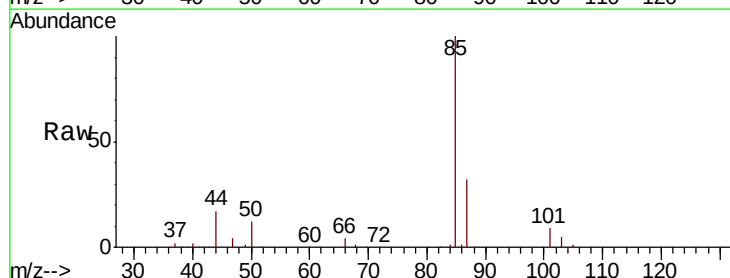
Acq: 14 May 2019 12:22

Tgt Ion: 85 Resp: 148501

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055588.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055588.D (-1) (-)

1.85

120000

100000

80000

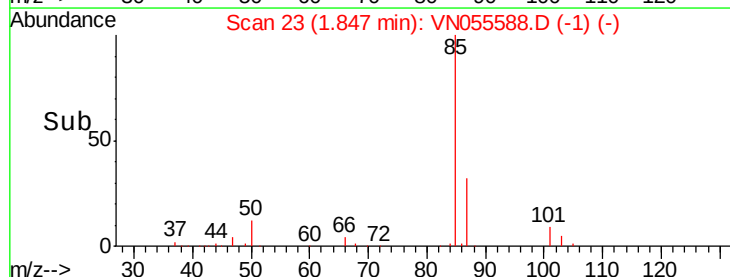
60000

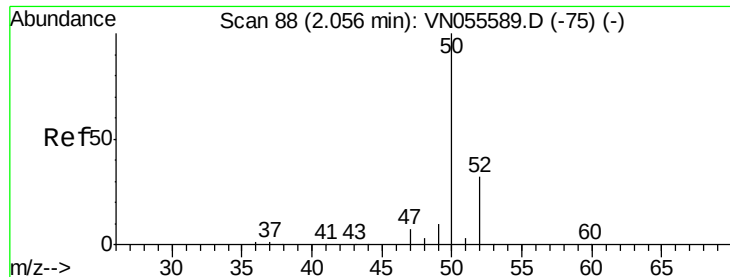
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.199 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

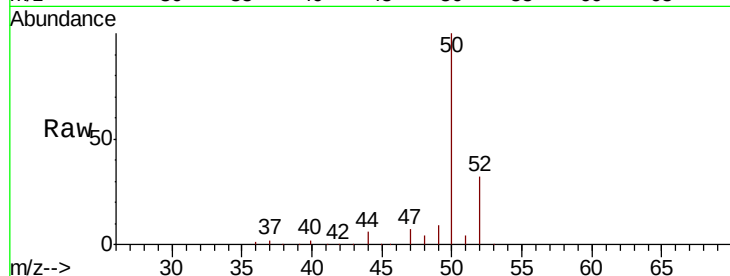
VSTDIC020

Tot Ion: 50 Resp: 229822

Ion Ratio Lower Upper

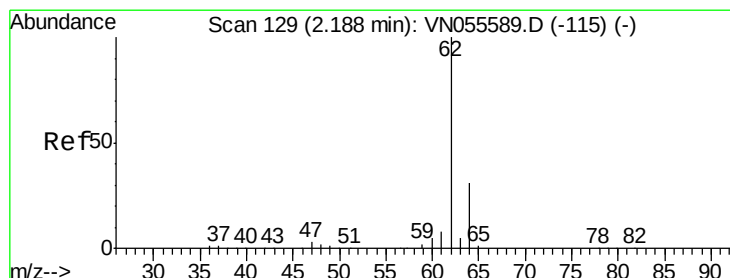
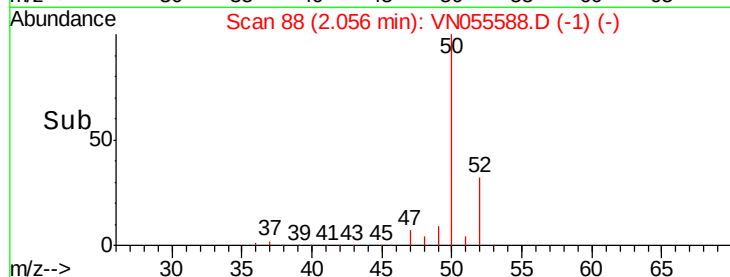
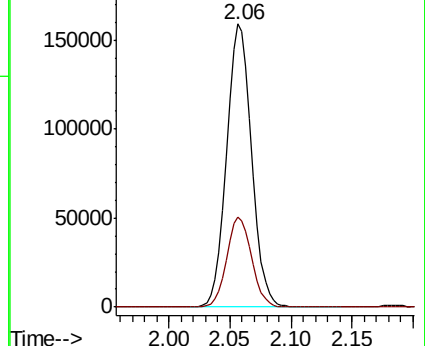
50 100

52 31.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.968 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055588.D

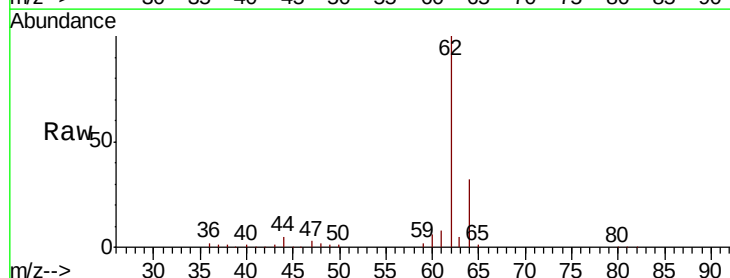
Acq: 14 May 2019 12:22

Tgt Ion: 62 Resp: 227280

Ion Ratio Lower Upper

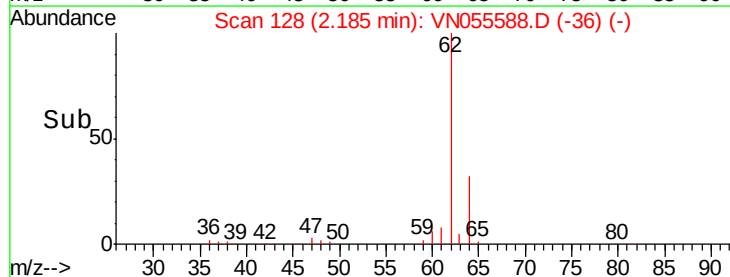
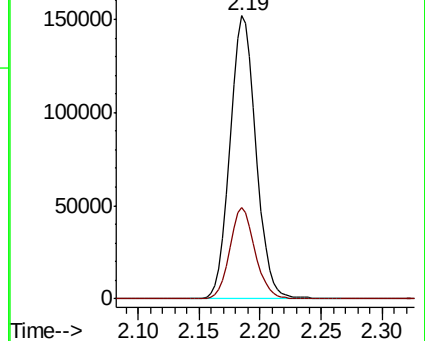
62 100

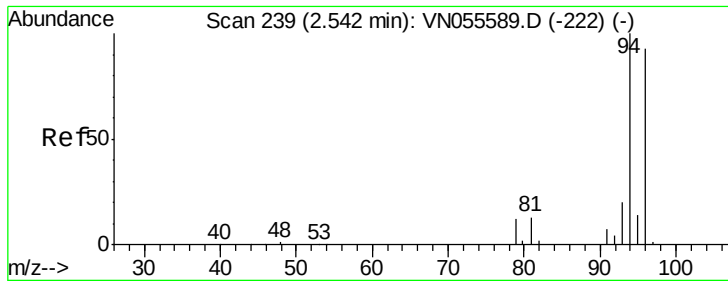
64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.928 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

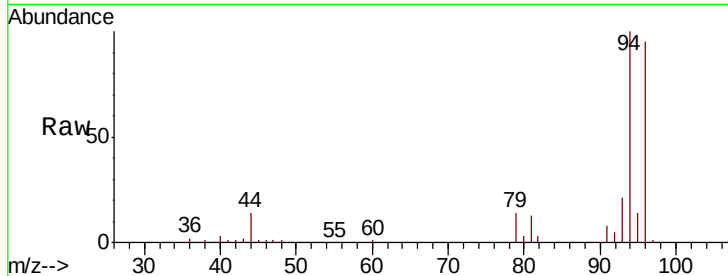
VSTDIC020

Tot Ion: 94 Resp: 131689

Ion Ratio Lower Upper

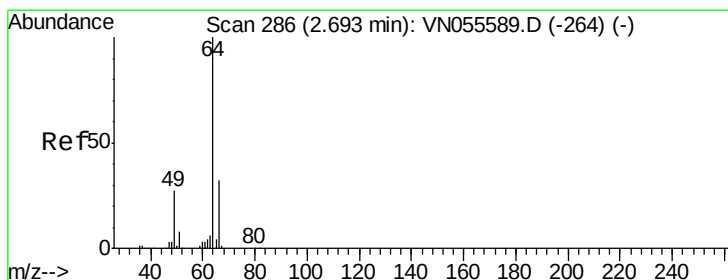
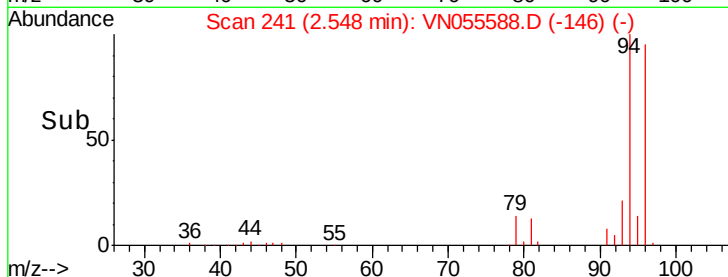
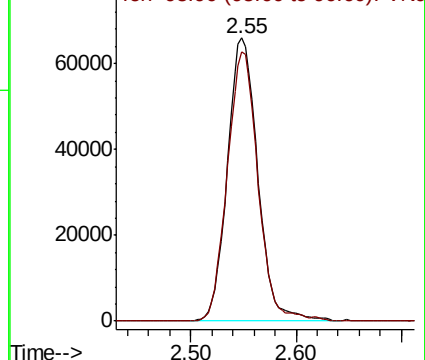
94 100

96 95.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.539 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN055588.D

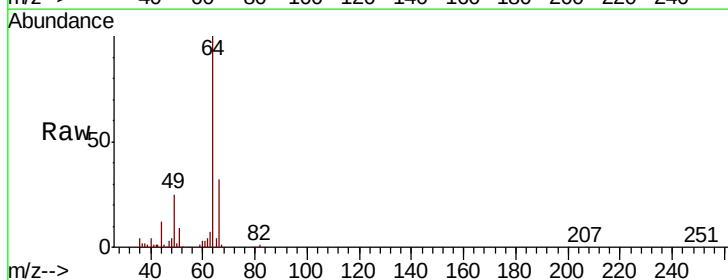
Acq: 14 May 2019 12:22

Tgt Ion: 64 Resp: 137415

Ion Ratio Lower Upper

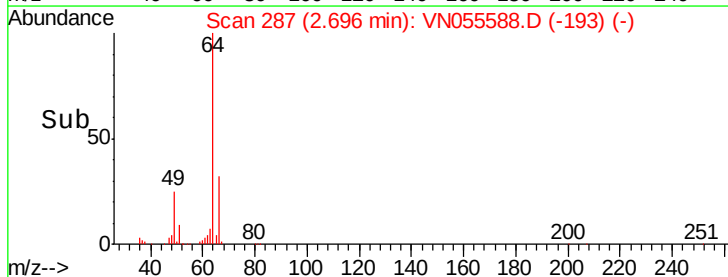
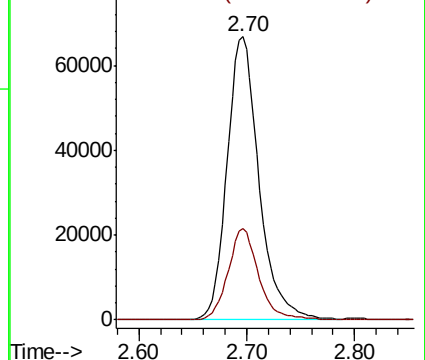
64 100

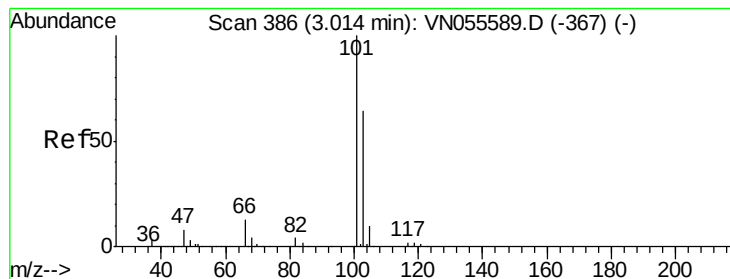
66 32.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



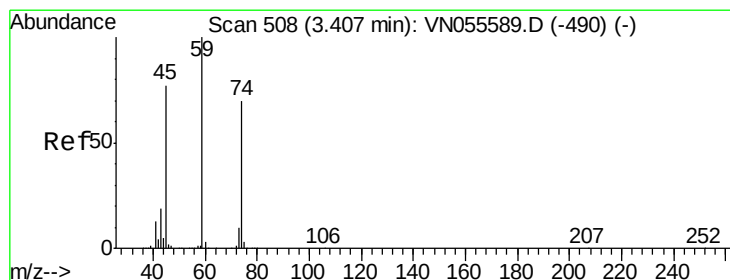
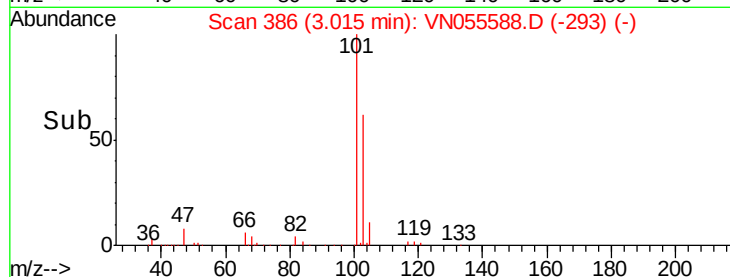
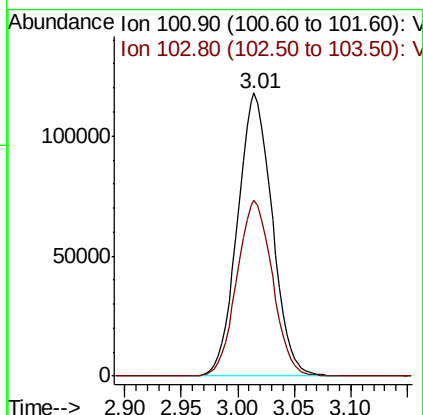
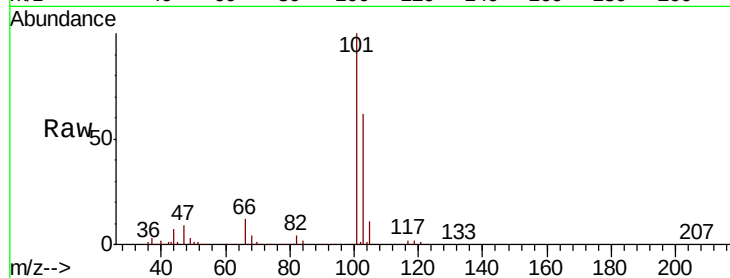


#7

Trichlorofluoromethane
 Concen: 20.145 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

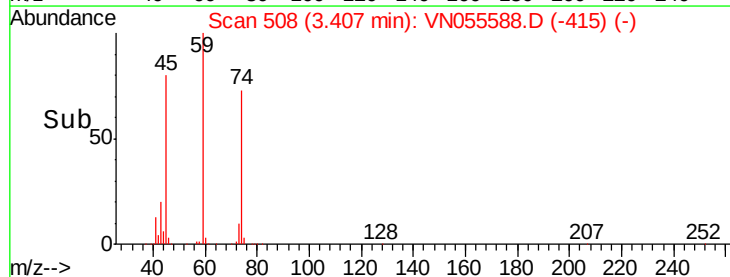
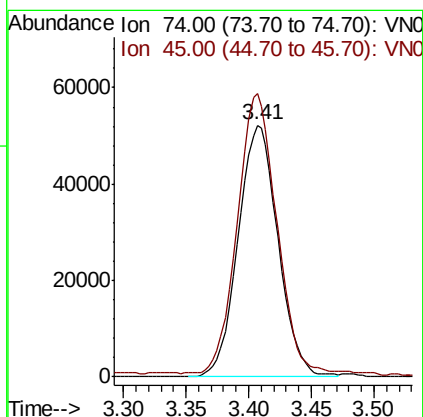
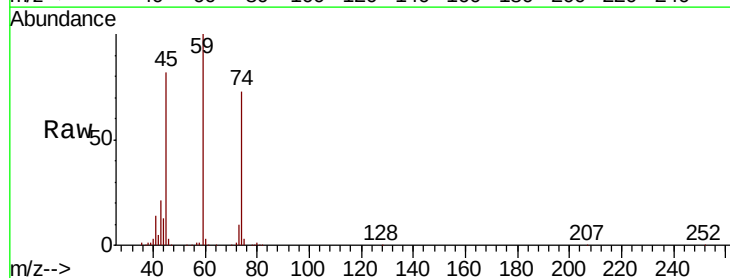
Tot Ion:101 Resp: 251808
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6

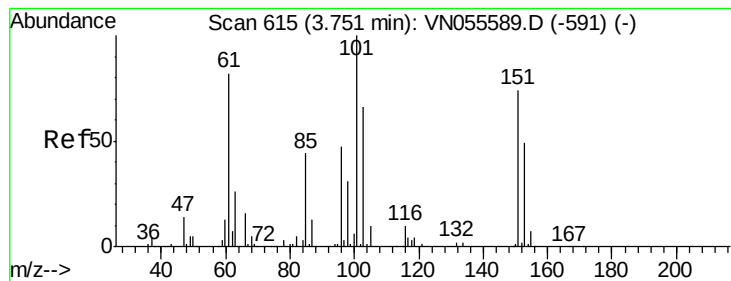


#8

Diethyl Ether
 Concen: 20.527 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 74 Resp: 115221
 Ion Ratio Lower Upper
 74 100
 45 108.7 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.653 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

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VSTDIC020

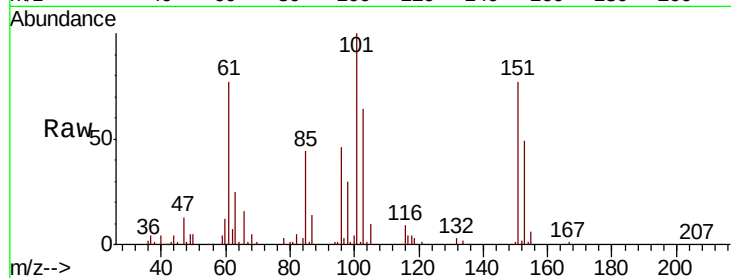
Tot Ion:101 Resp: 156379

Ion Ratio Lower Upper

101 100

85 43.8 34.2 51.2

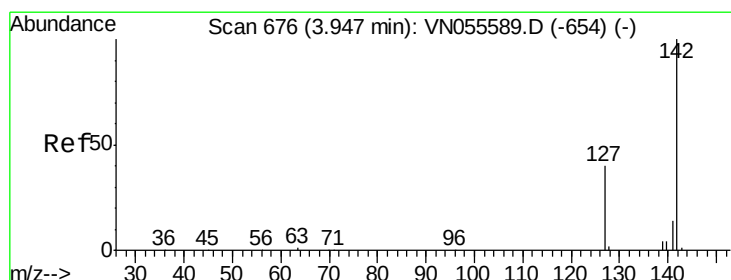
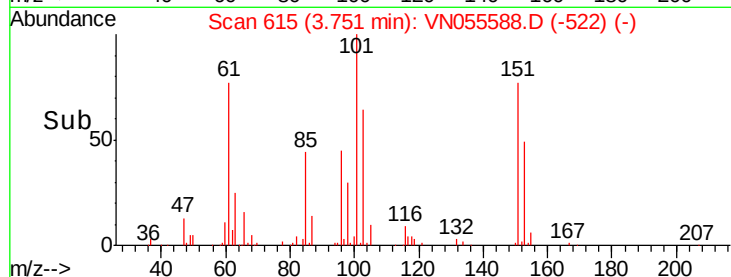
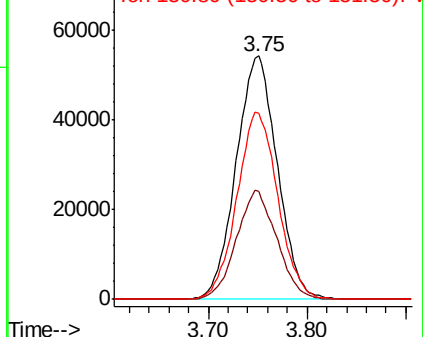
151 76.7 60.2 90.2



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: 19.457 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

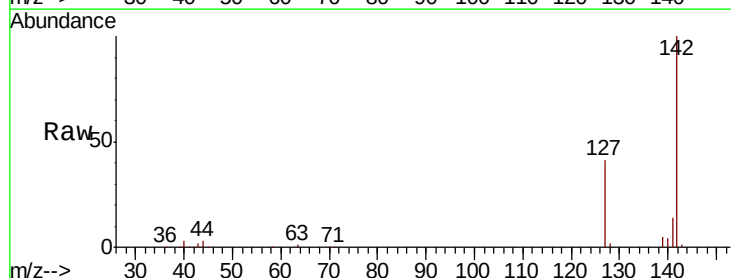
Tgt Ion:142 Resp: 208102

Ion Ratio Lower Upper

142 100

127 41.2 32.5 48.7

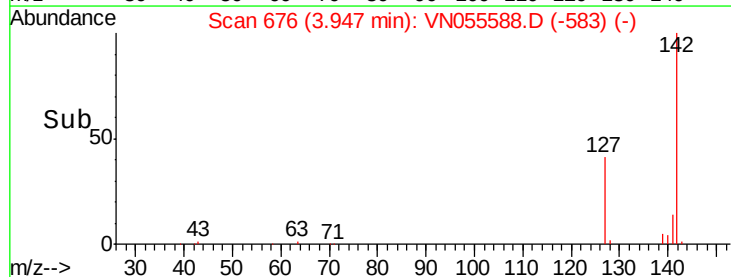
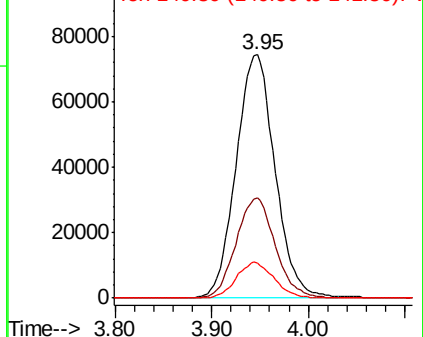
141 14.2 11.2 16.8

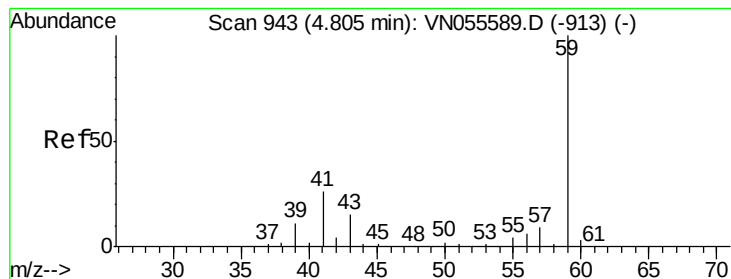


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.468 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

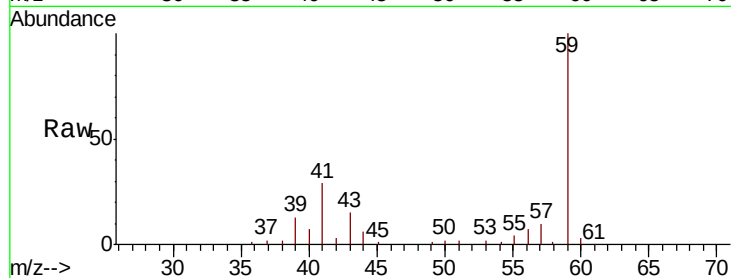
VSTDIC020

Tot Ion: 59 Resp: 132948

Ion Ratio Lower Upper

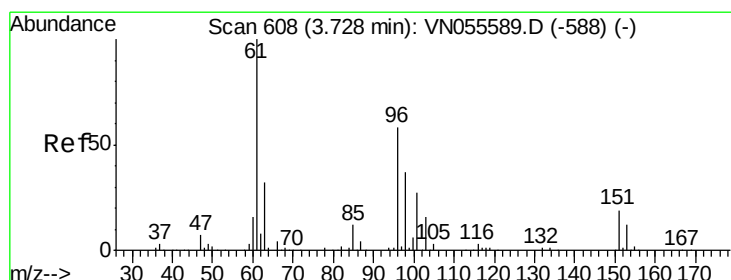
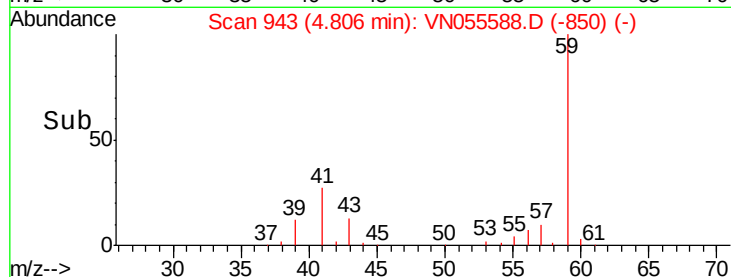
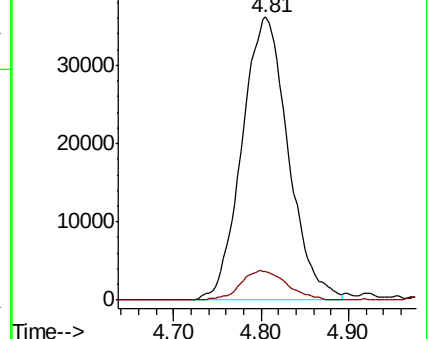
59 100

57 10.5 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VN055589.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN055589.D (-913) (-)



#12

1,1-Dichloroethene

Concen: 20.097 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

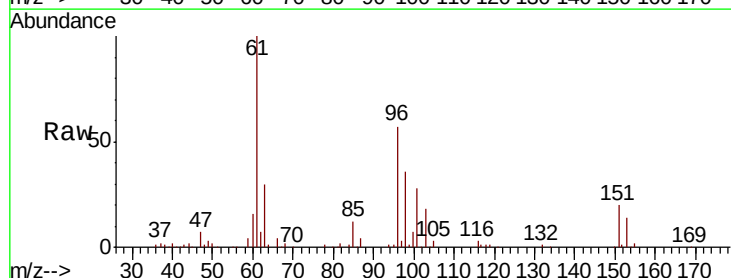
Tgt Ion: 96 Resp: 160378

Ion Ratio Lower Upper

96 100

61 174.6 137.5 206.3

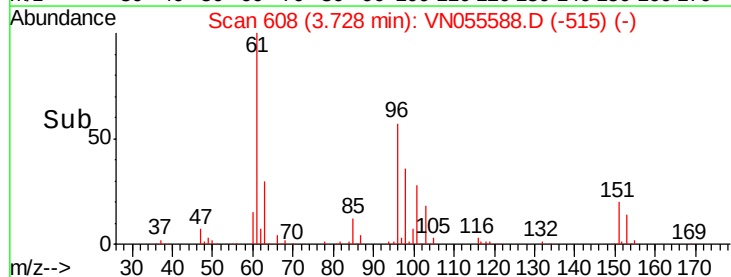
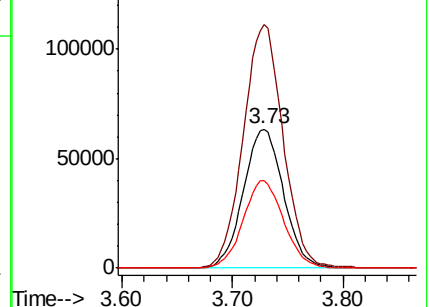
98 63.0 50.3 75.5

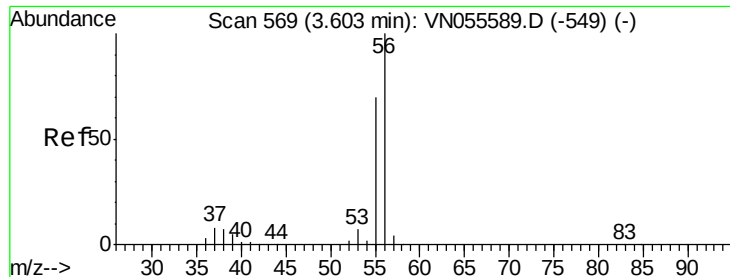


Abundance Ion 95.90 (95.60 to 96.60): VN055589.D (-588) (-)

Ion 60.90 (60.60 to 61.60): VN055589.D (-588) (-)

Ion 97.90 (97.60 to 98.60): VN055589.D (-588) (-)

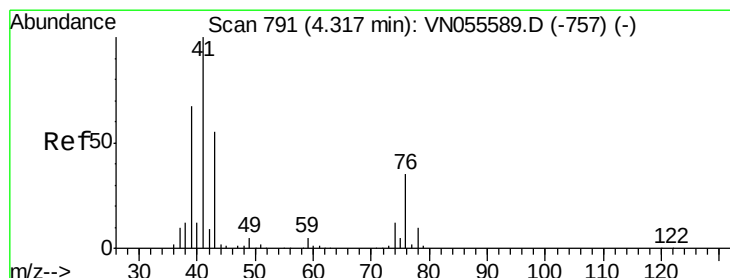
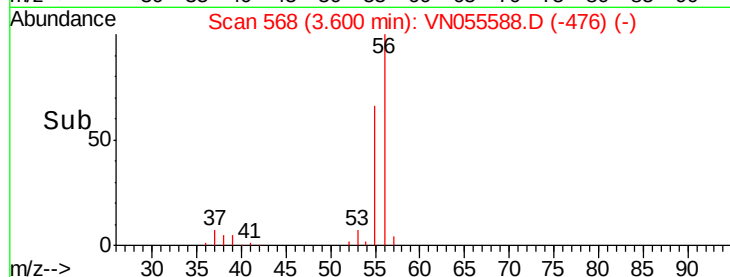
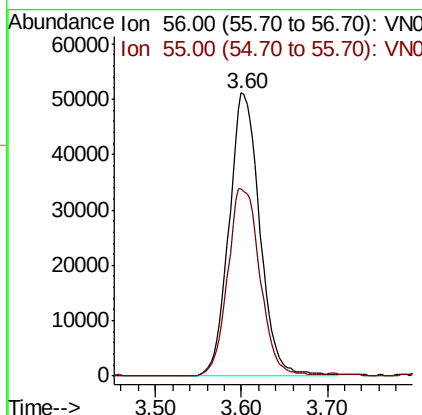
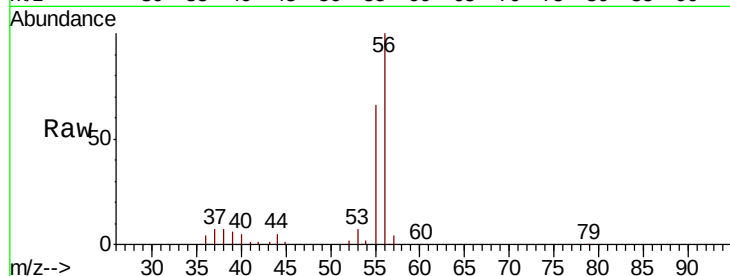




#13
Acrolein
Concen: 113.516 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

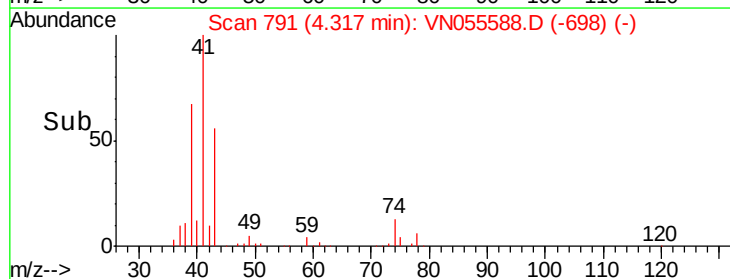
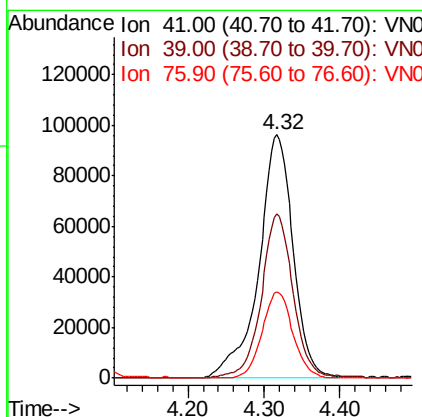
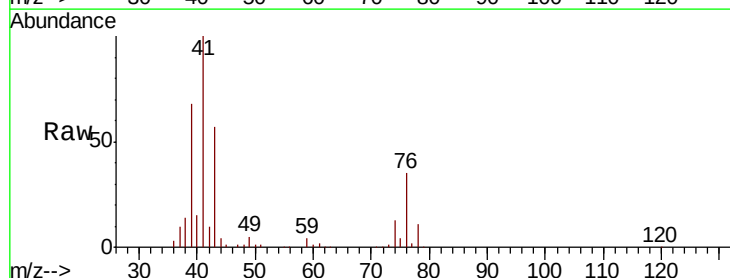
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

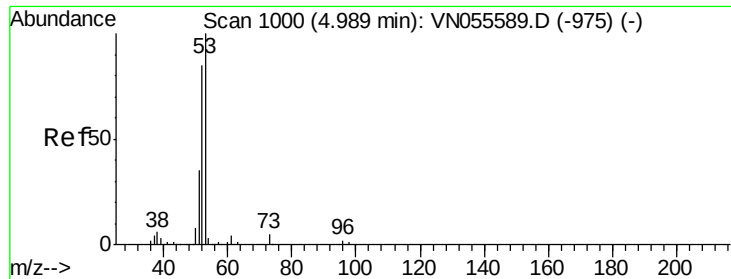
Tot Ion: 56 Resp: 127167
Ion Ratio Lower Upper
56 100
55 69.8 57.1 85.7



#14
Allyl chloride
Concen: 18.685 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 41 Resp: 301498
Ion Ratio Lower Upper
41 100
39 62.1 49.3 73.9
76 31.1 24.7 37.1





#15

Acrylonitrile

Concen: 92.453 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

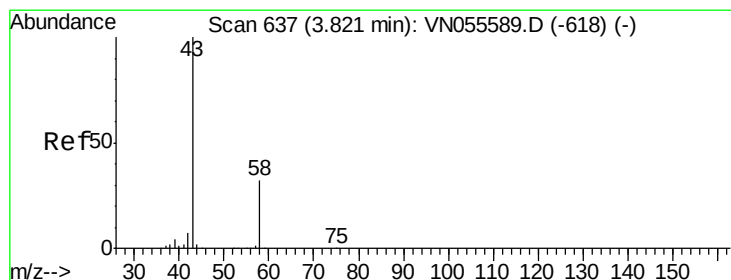
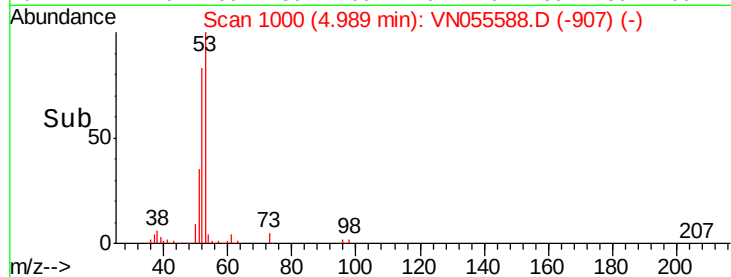
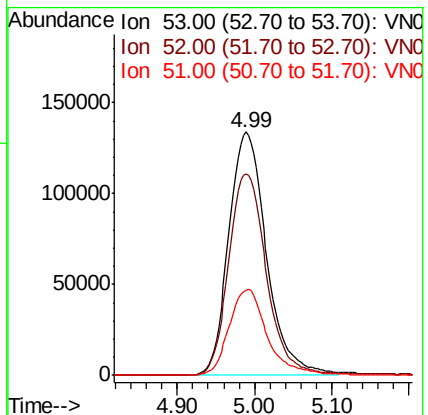
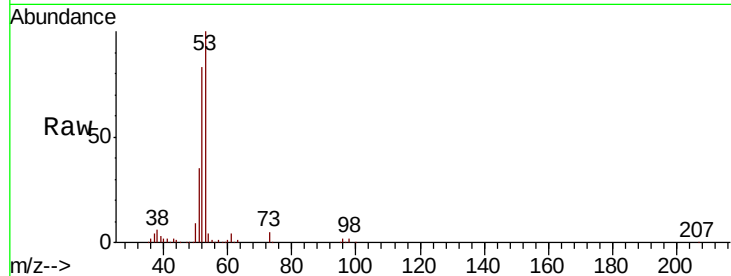
Tot Ion: 53 Resp: 453842

Ion Ratio Lower Upper

53 100

52 83.5 65.6 98.4

51 35.7 28.3 42.5



#16

Acetone

Concen: 100.336 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055588.D

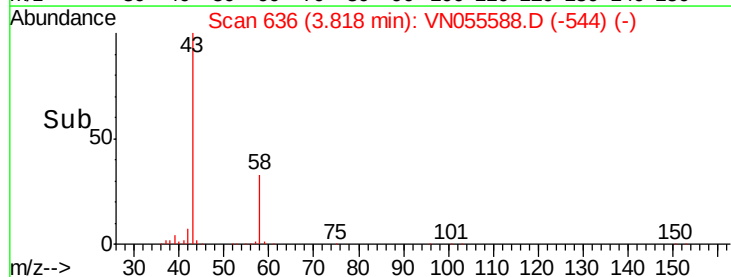
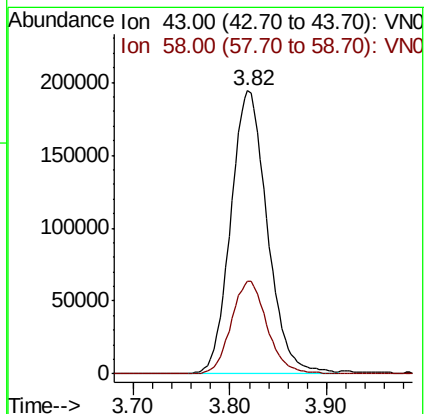
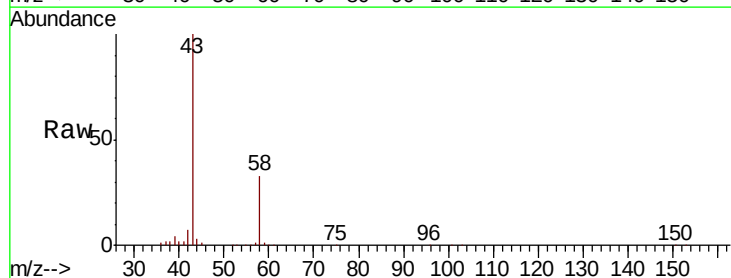
Acq: 14 May 2019 12:22

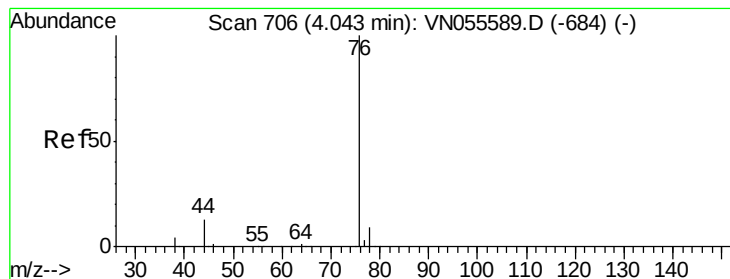
Tgt Ion: 43 Resp: 503432

Ion Ratio Lower Upper

43 100

58 32.6 25.7 38.5





#17

Carbon Disulfide

Concen: 20.537 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

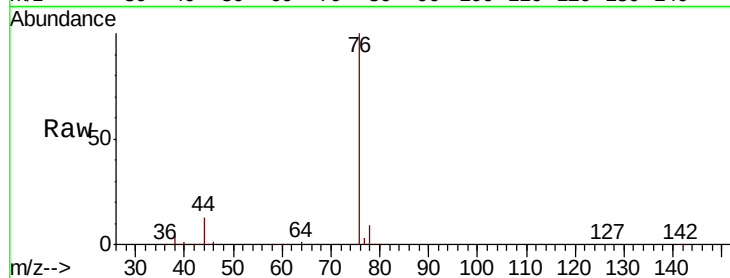
VSTDIC020

Tot Ion: 76 Resp: 449940

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN055588.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN055588.D (-613) (-)

4.04

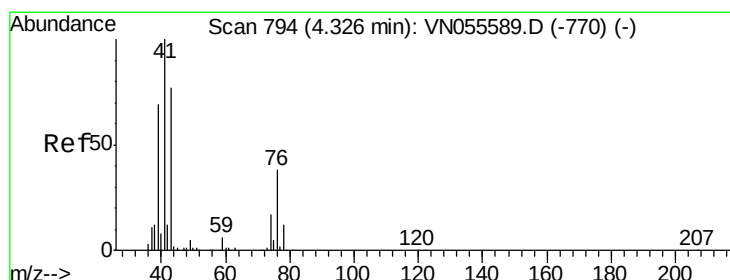
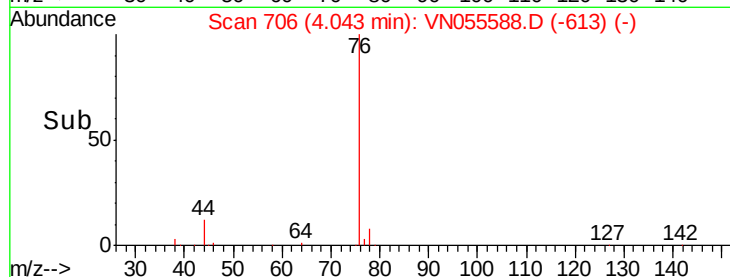
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 15.823 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055588.D

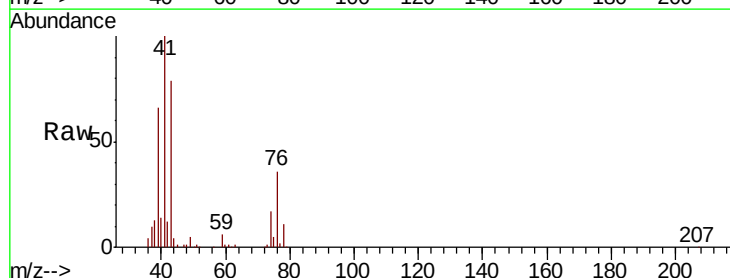
Acq: 14 May 2019 12:22

Tgt Ion: 43 Resp: 193996

Ion Ratio Lower Upper

43 100

74 20.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN055588.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055588.D (-701) (-)

4.33

80000

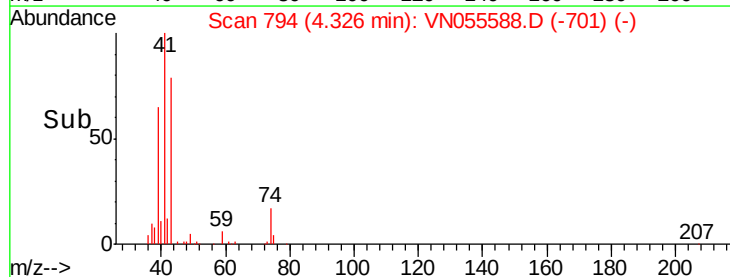
60000

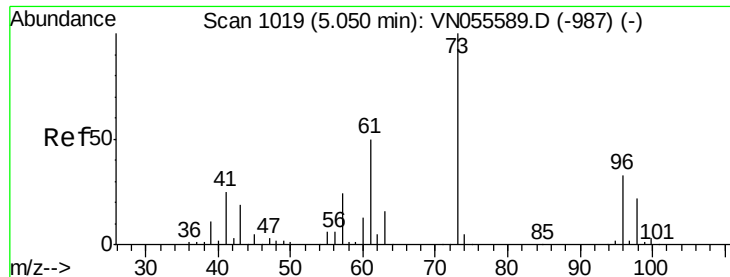
40000

20000

0

Time--> 4.20 4.30 4.40 4.50



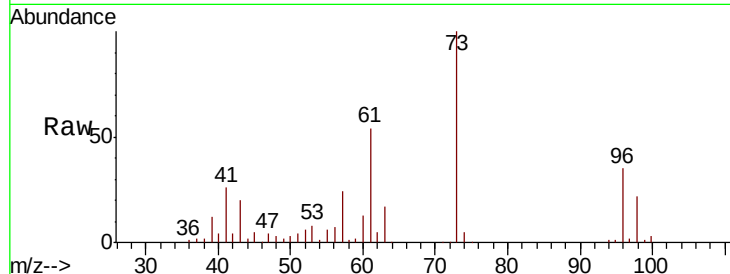


#19

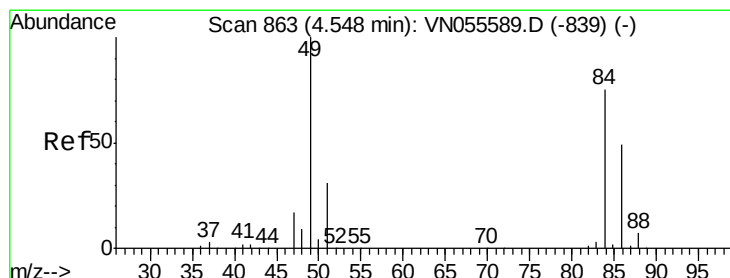
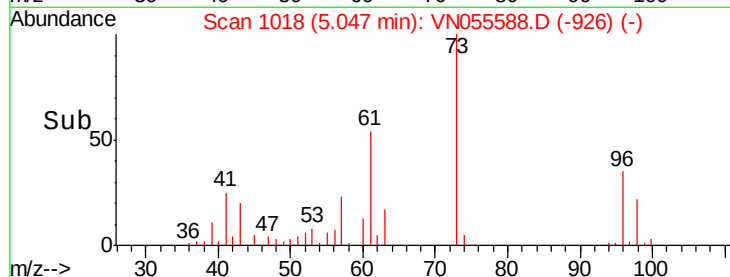
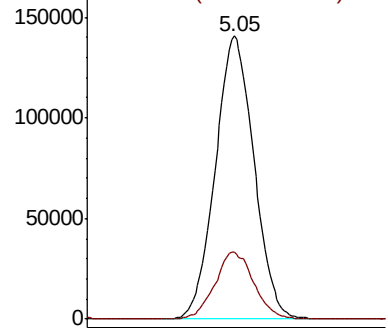
Methyl tert-butyl Ether
 Concen: 19.260 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 73 Resp: 504879
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.9 28.3



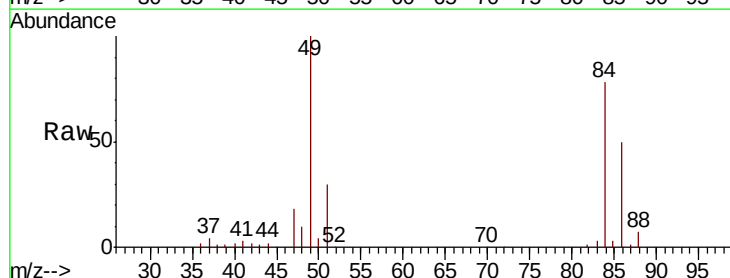
Abundance Ion 73.00 (72.70 to 73.70): VN055589.D (-987) (-)
 Ion 57.00 (56.70 to 57.70): VN055589.D (-987) (-)



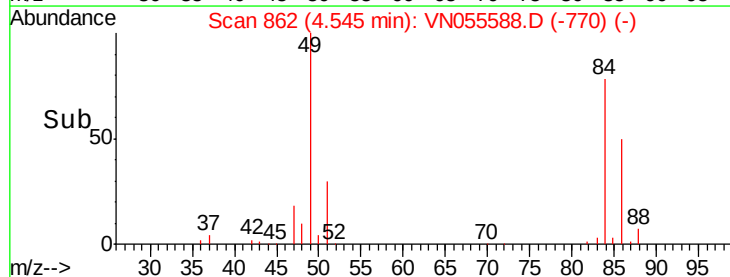
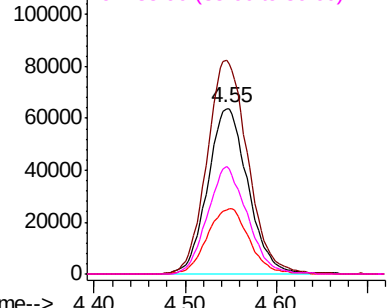
#20

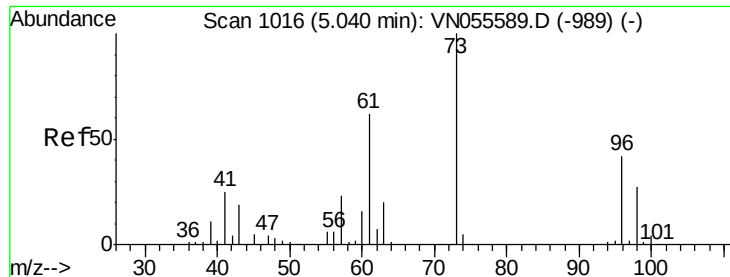
Methylene Chloride
 Concen: 18.955 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 84 Resp: 195933
 Ion Ratio Lower Upper
 84 100
 49 128.6 106.2 159.2
 51 38.8 32.7 49.1
 86 64.8 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055589.D (-839) (-)
 Ion 48.90 (48.60 to 49.60): VN055589.D (-839) (-)
 Ion 50.90 (50.60 to 51.60): VN055589.D (-839) (-)
 Ion 85.90 (85.60 to 86.60): VN055589.D (-839) (-)

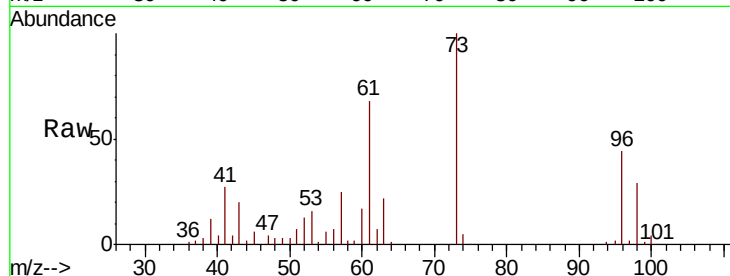




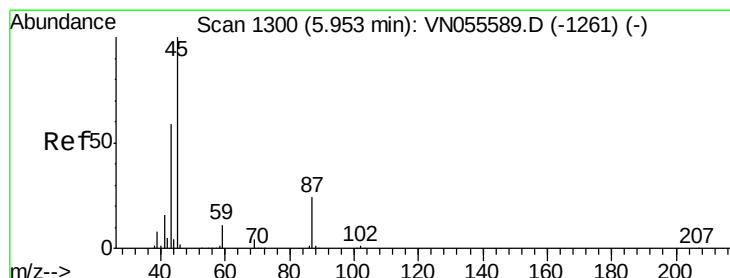
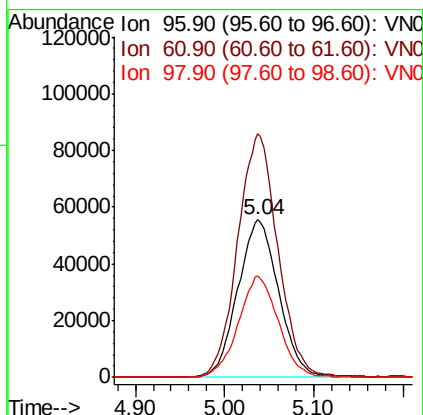
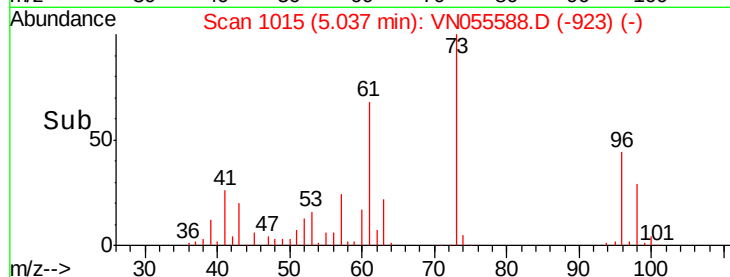
#21
trans-1,2-Dichloroethene
Concen: 20.439 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 177112
Ion Ratio Lower Upper
96 100
61 154.4 117.8 176.6
98 64.7 51.4 77.2

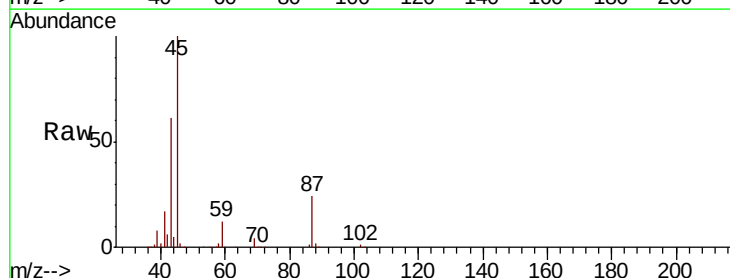


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

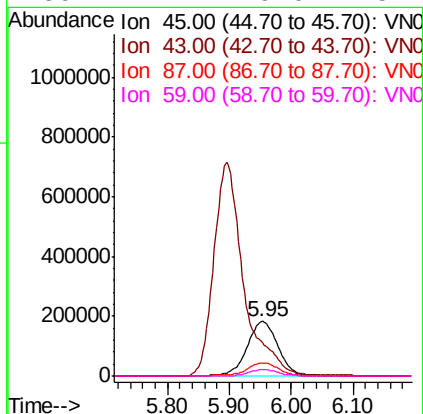
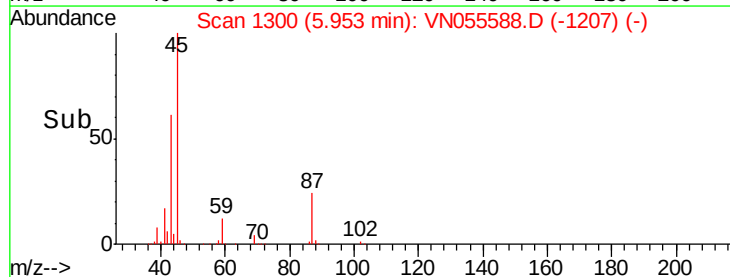


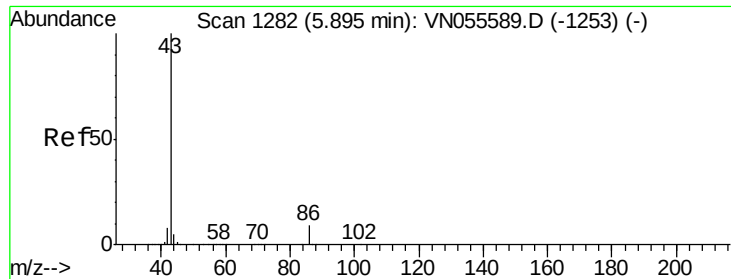
#22
Diisopropyl ether
Concen: 19.510 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 45 Resp: 638808
Ion Ratio Lower Upper
45 100
43 59.9 47.1 70.7
87 24.1 19.5 29.3
59 11.4 9.0 13.4



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: 95.018 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

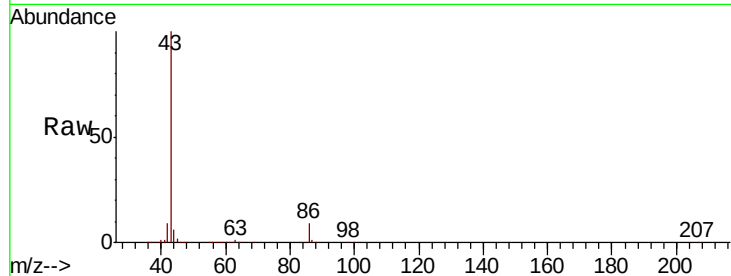
VSTDIC020

Tot Ion: 43 Resp: 2394297

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN055588.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN055588.D (-1253) (-)

5.90

800000

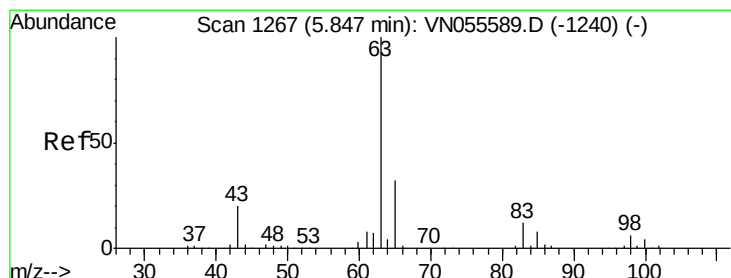
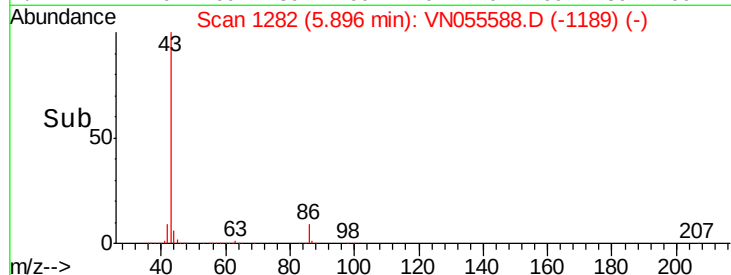
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.434 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

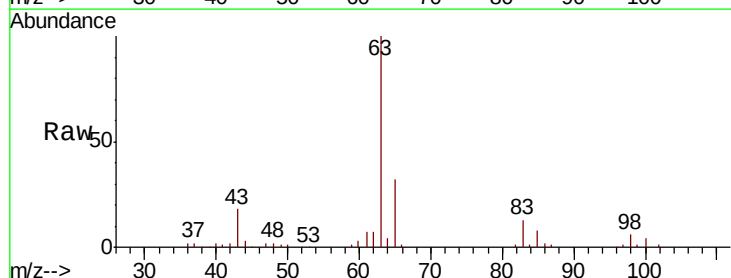
Tgt Ion: 63 Resp: 346280

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN055588.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055588.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055588.D (-1174) (-)

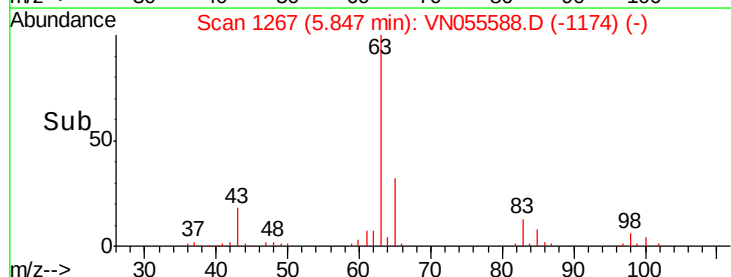
5.85

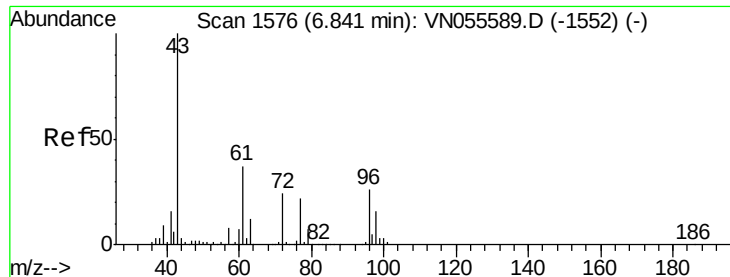
100000

50000

0

Time-->





#25

2-Butanone

Concen: 94.391 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

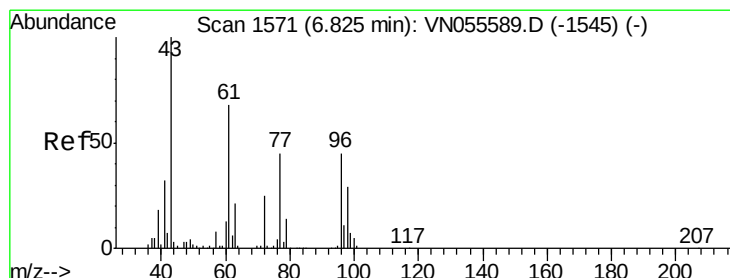
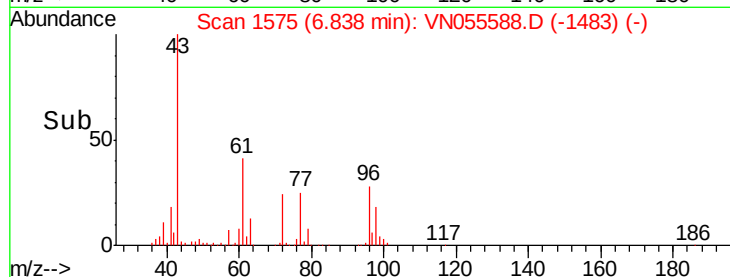
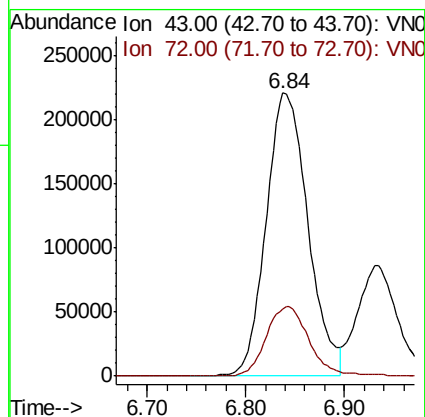
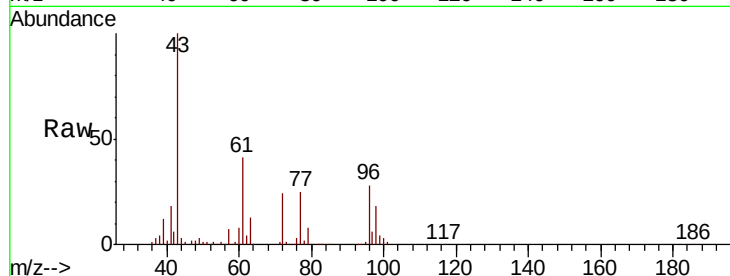
VSTDIC020

Tot Ion: 43 Resp: 644962

Ion Ratio Lower Upper

43 100

72 24.0 19.5 29.3



#26

2,2-Dichloropropane

Concen: 20.183 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055588.D

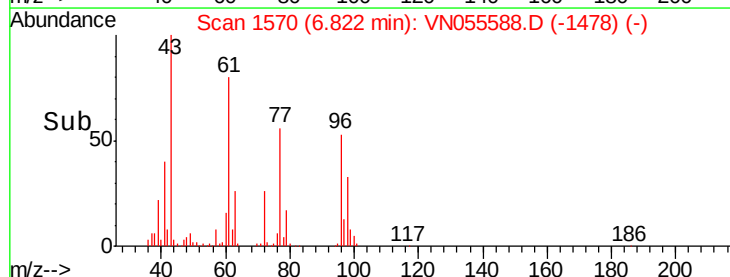
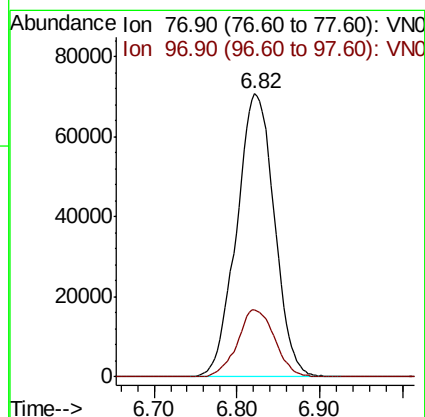
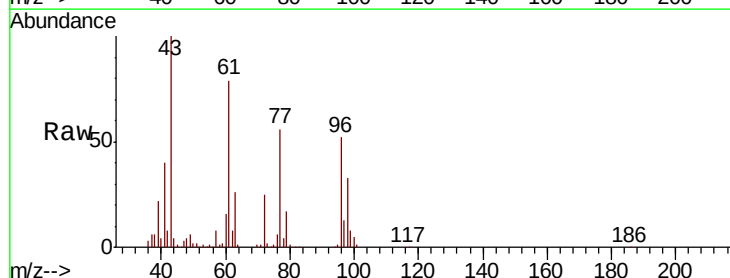
Acq: 14 May 2019 12:22

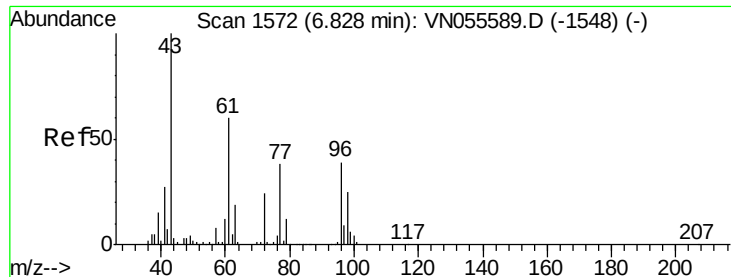
Tgt Ion: 77 Resp: 223891

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

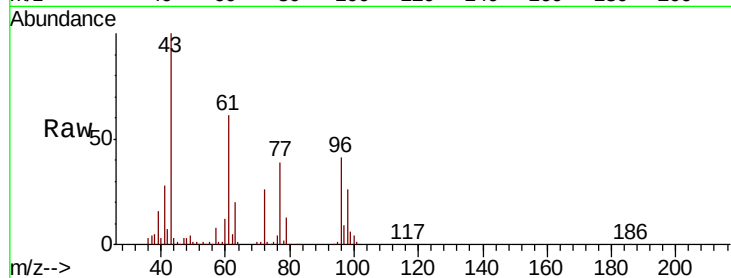
Tot Ion: 96 Resp: 202527

Ion Ratio Lower Upper

96 100

61 152.0 0.0 305.0

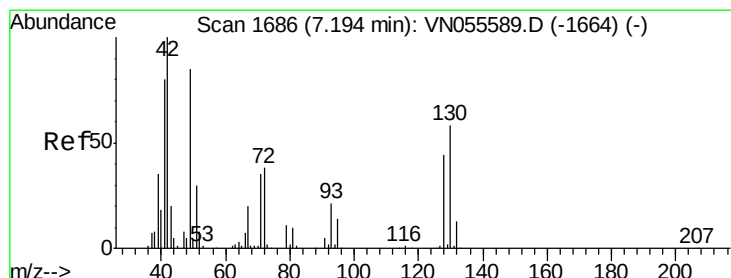
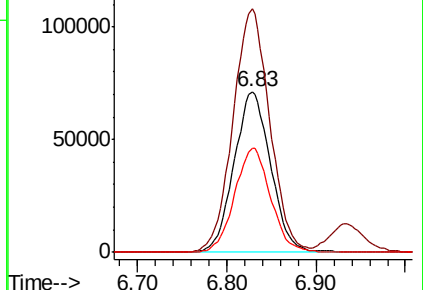
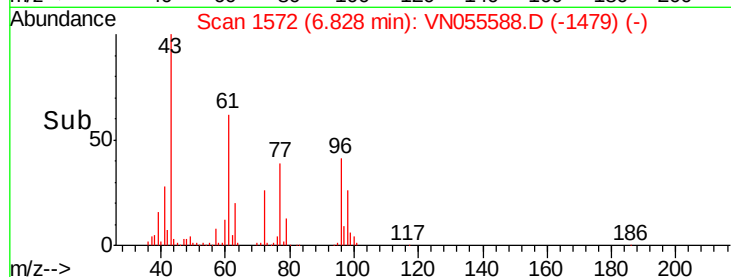
98 63.5 0.0 128.2



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



#28

Bromochloromethane

Concen: 18.075 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

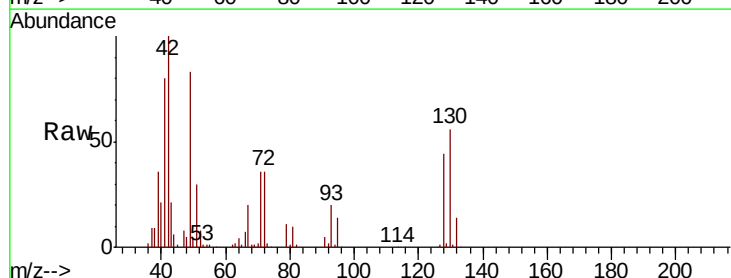
Tgt Ion: 49 Resp: 164756

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

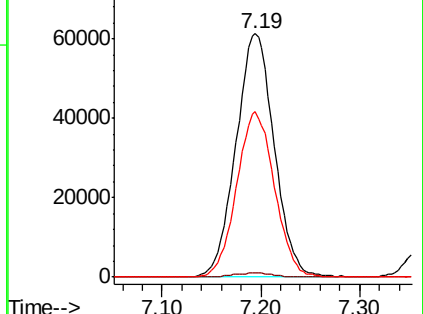
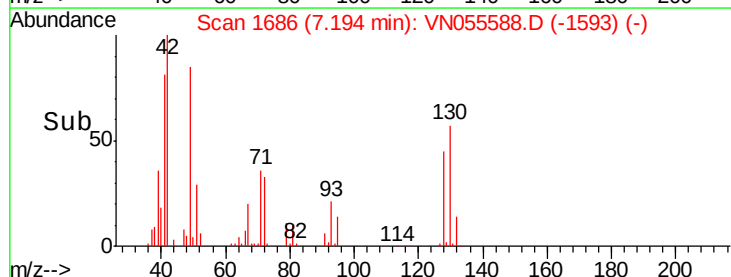
130 67.1 52.4 78.6

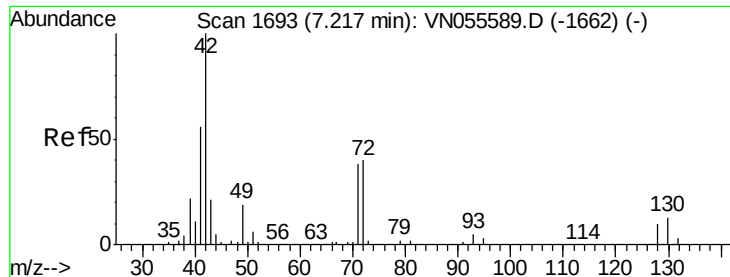


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

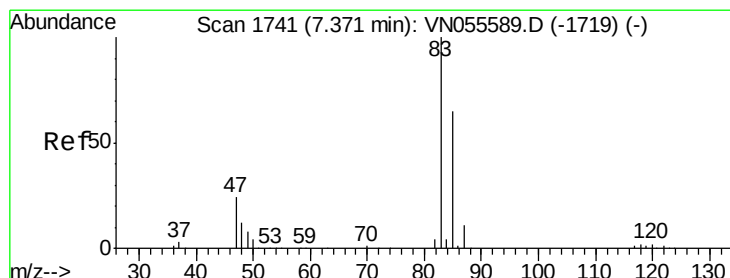
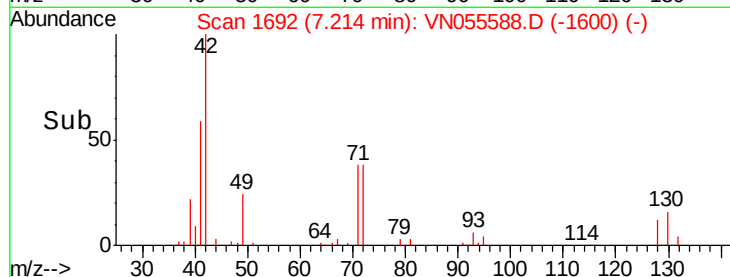
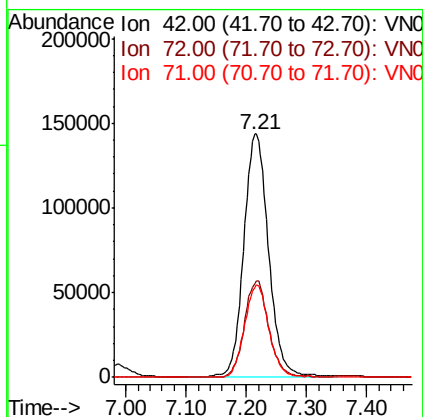
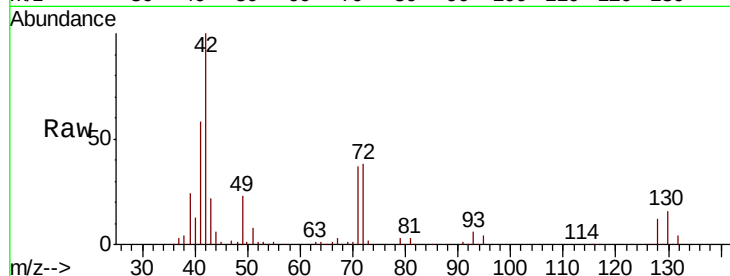




#29
Tetrahydrofuran
Concen: 91.216 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

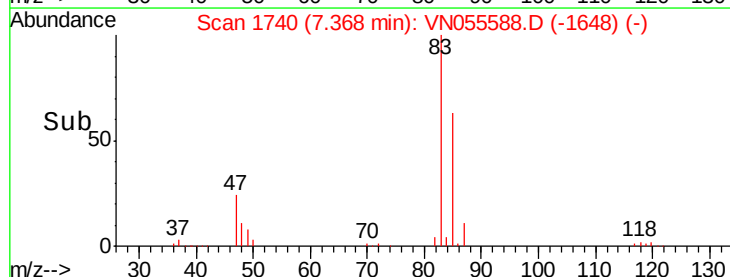
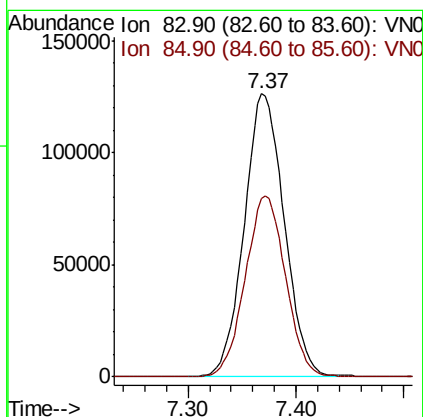
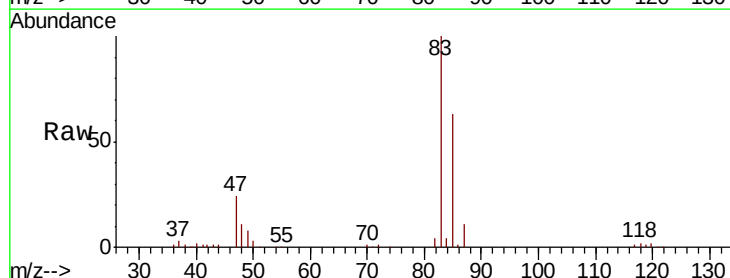
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

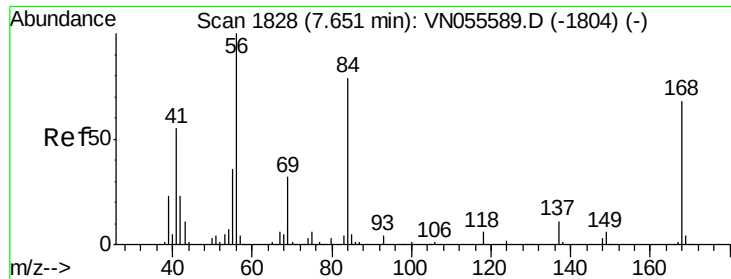
Tot Ion: 42 Resp: 412399
Ion Ratio Lower Upper
42 100
72 39.1 31.4 47.2
71 37.3 29.9 44.9



#30
Chloroform
Concen: 19.802 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 83 Resp: 325762
Ion Ratio Lower Upper
83 100
85 63.1 51.9 77.9

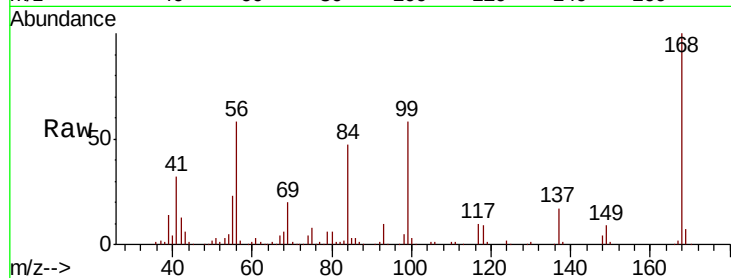




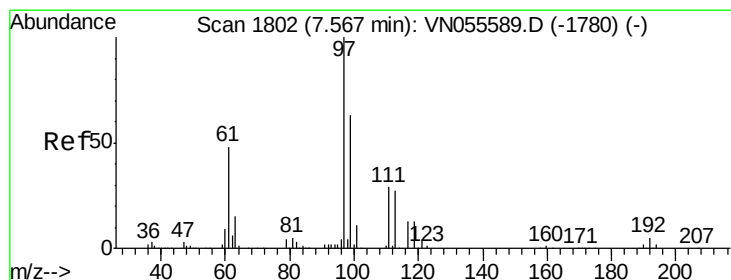
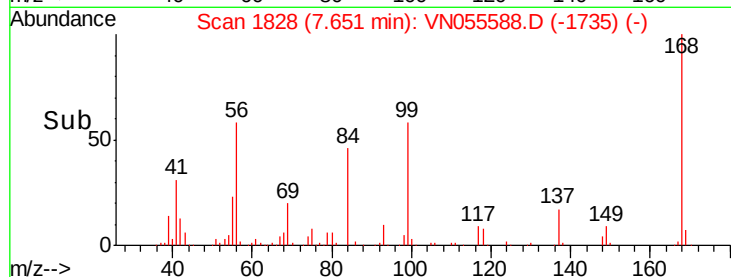
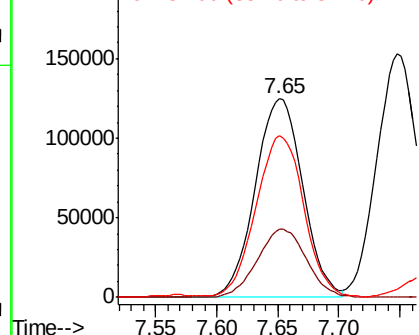
#31
Cyclohexane
Concen: 19.164 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 338064
Ion Ratio Lower Upper
56 100
69 34.4 25.7 38.5
84 80.4 63.4 95.0

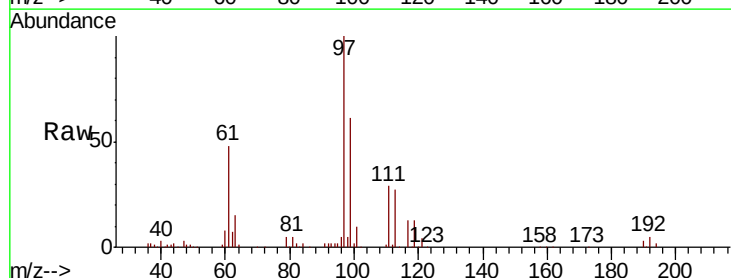


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

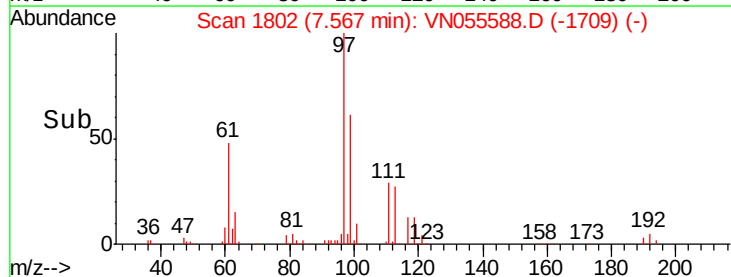
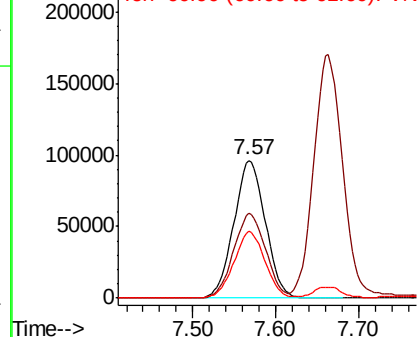


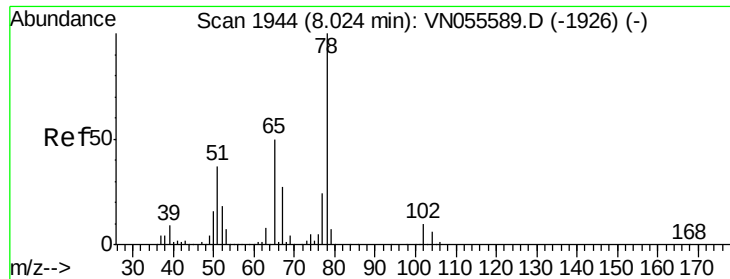
#32
1,1,1-Trichloroethane
Concen: 20.211 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 97 Resp: 254073
Ion Ratio Lower Upper
97 100
99 62.5 50.8 76.2
61 47.7 38.7 58.1



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

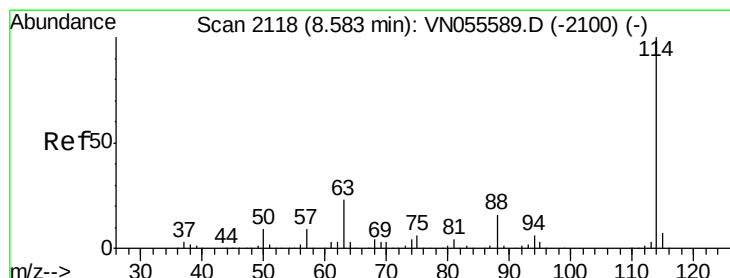
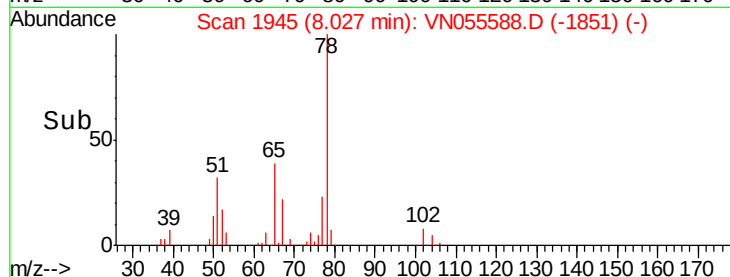
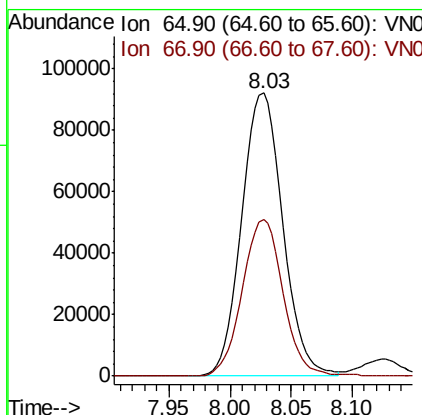
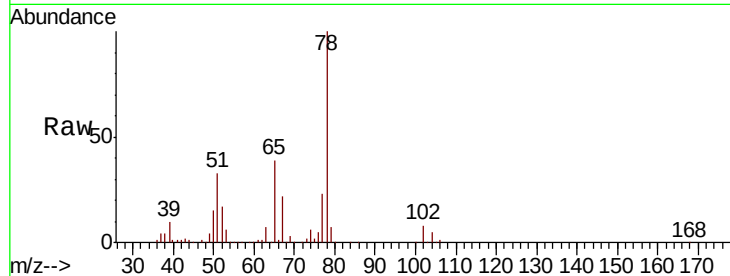




#33
 1,2-Dichloroethane-d4
 Concen: 19.734 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

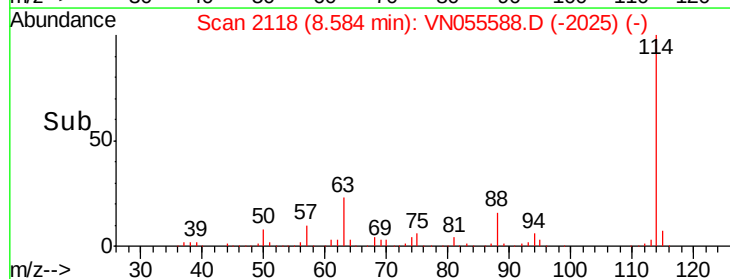
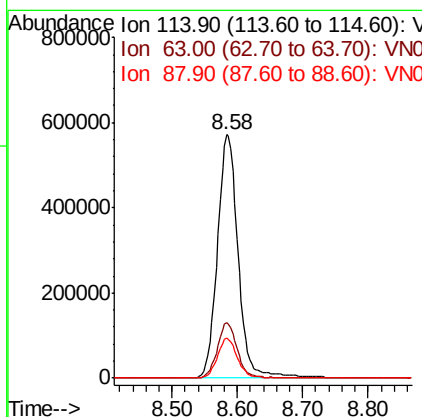
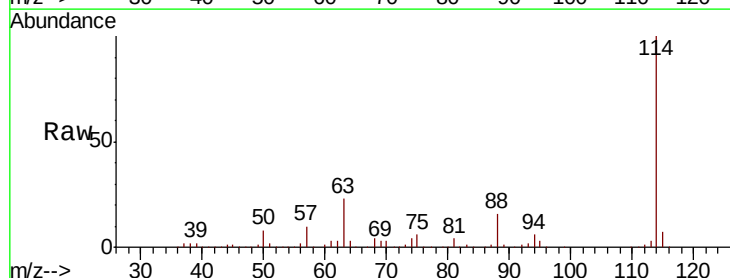
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

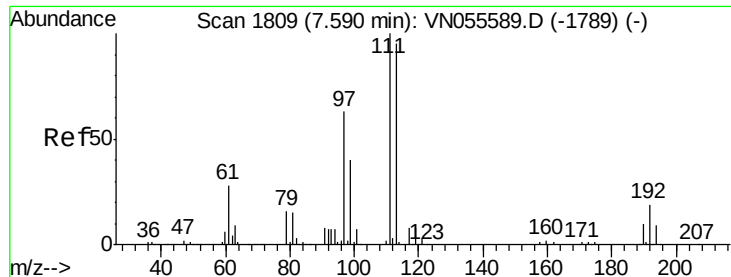
Tot Ion: 65 Resp: 214882
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 114 Resp: 1262634
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.8
 88 16.4 0.0 32.6

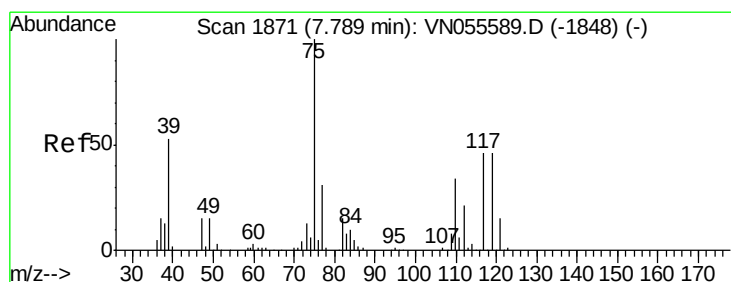
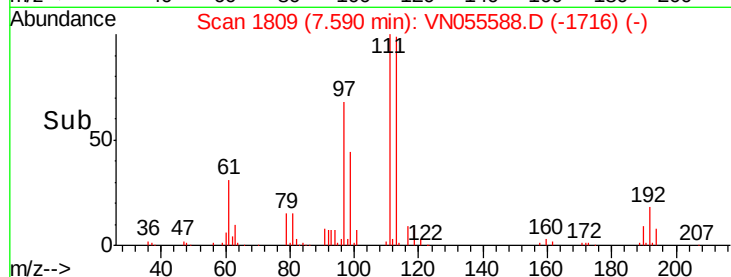
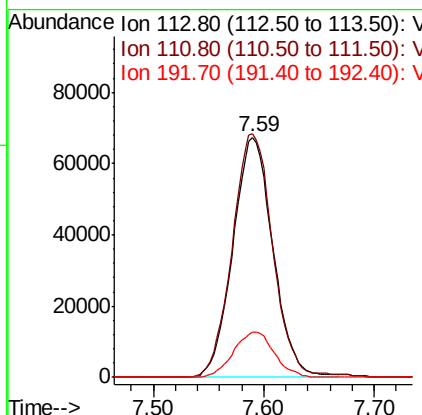
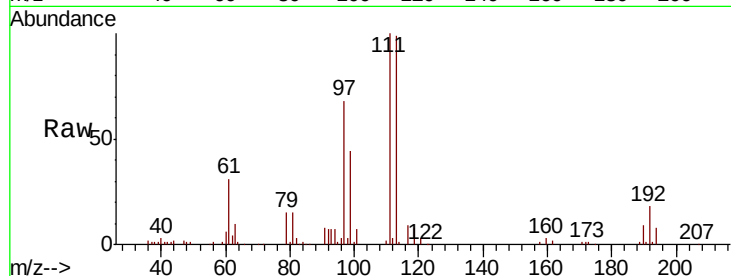




#35
 Dibromofluoromethane
 Concen: 20.761 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

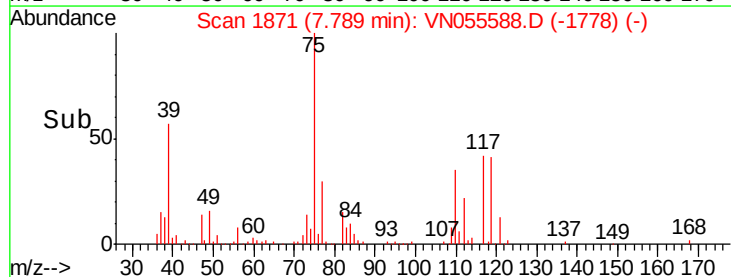
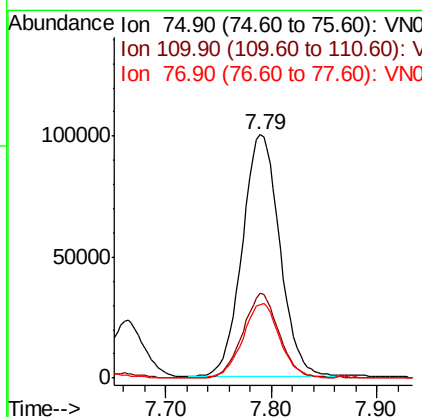
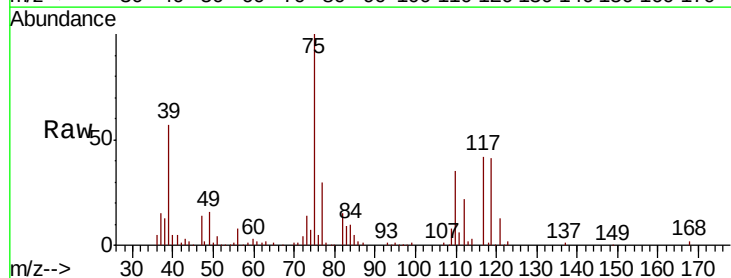
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

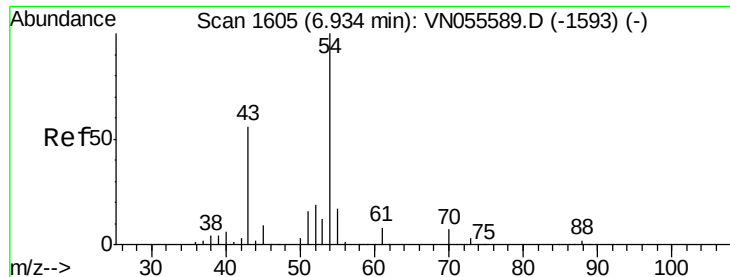
Tot Ion:113 Resp: 169285
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.5 125.3
 192 19.3 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 20.035 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 75 Resp: 247900
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.9 50.7
 77 30.6 24.9 37.3

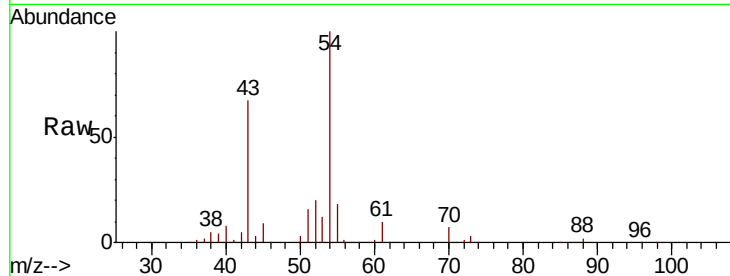




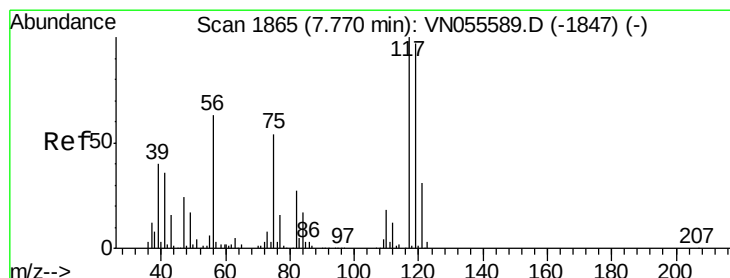
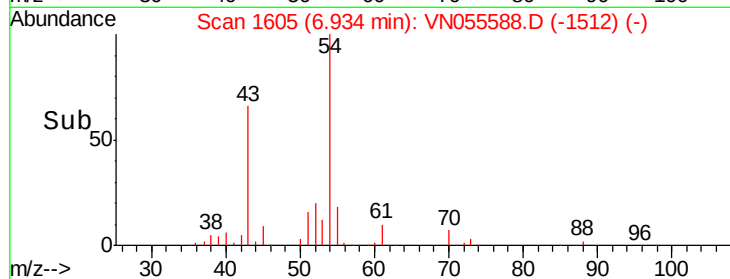
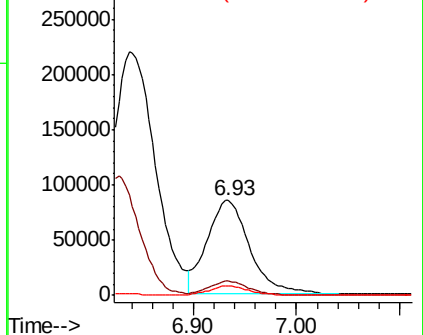
#37
Ethyl Acetate
Concen: 18.452 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 244192
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 9.1 7.4 11.2

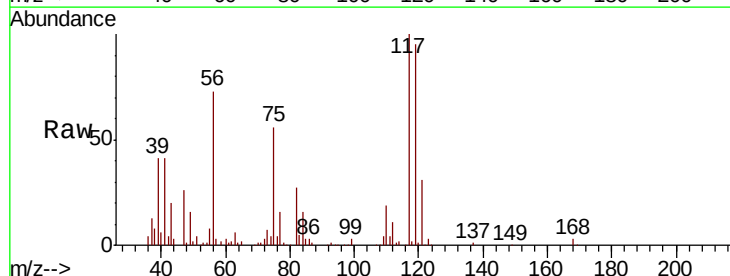


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

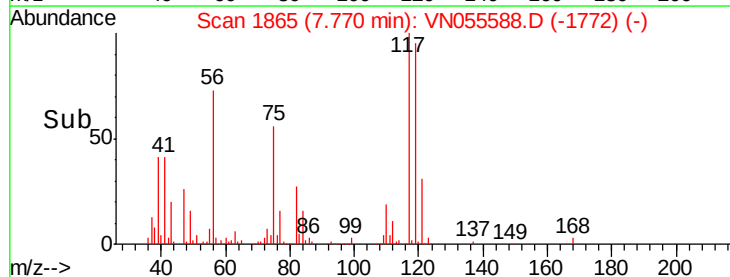
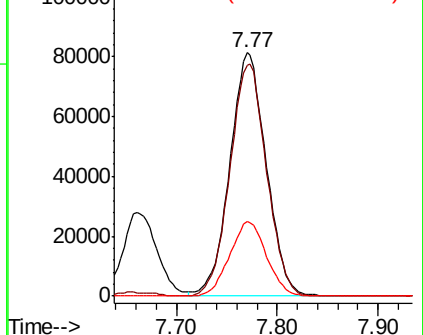


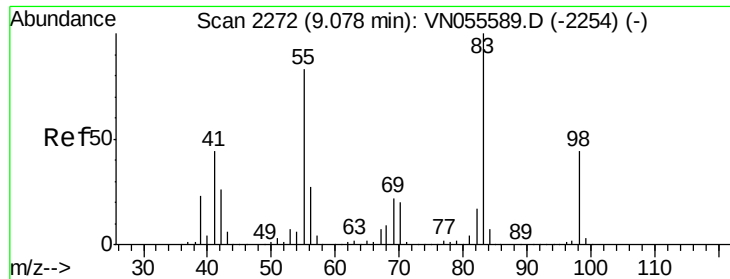
#38
Carbon Tetrachloride
Concen: 19.440 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 117 Resp: 203696
Ion Ratio Lower Upper
117 100
119 94.7 77.1 115.7
121 30.5 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

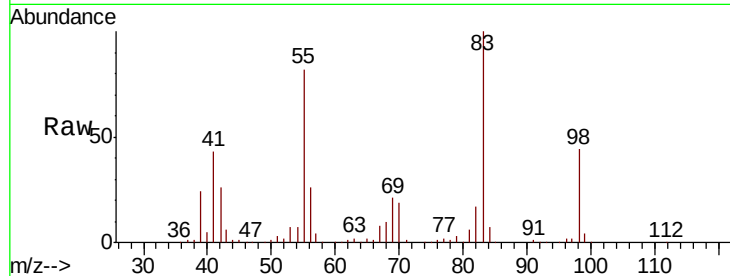




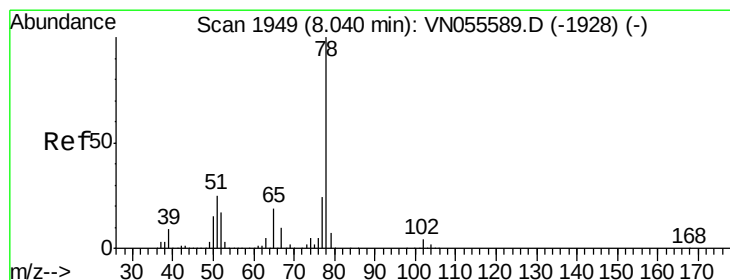
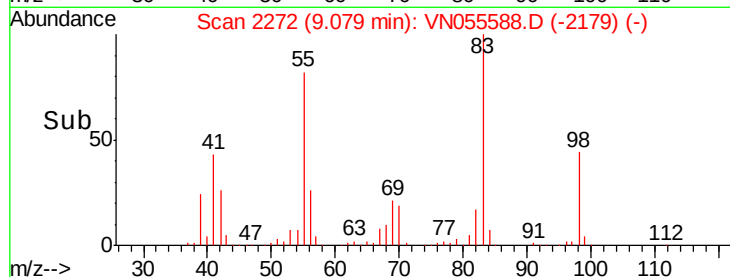
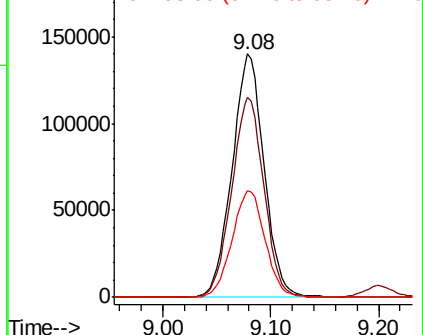
#39
Methylvlcyclohexane
Concen: 19.208 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 289576
Ion Ratio Lower Upper
83 100
55 82.2 66.3 99.5
98 43.6 34.8 52.2

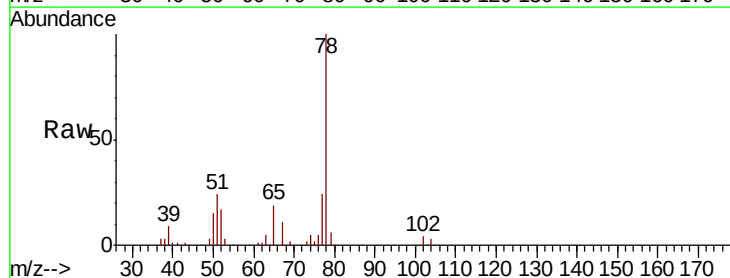


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

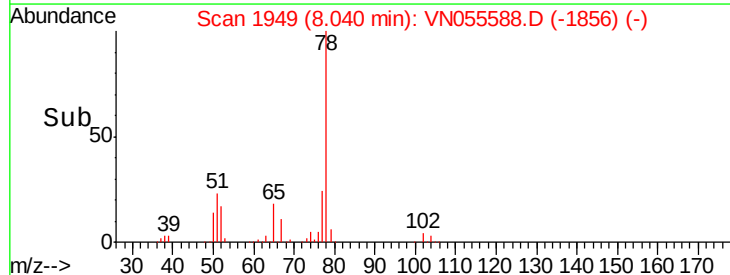
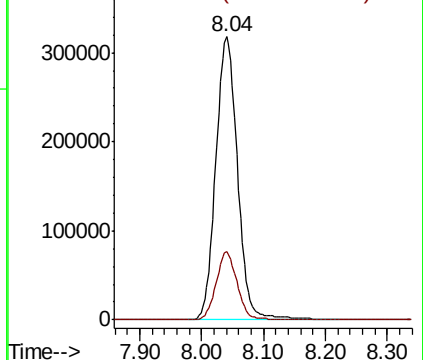


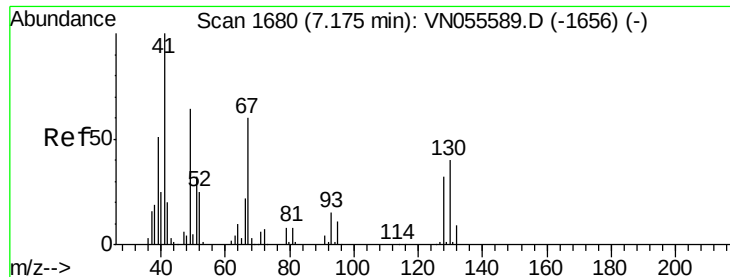
#40
Benzene
Concen: 20.265 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 78 Resp: 777314
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3



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

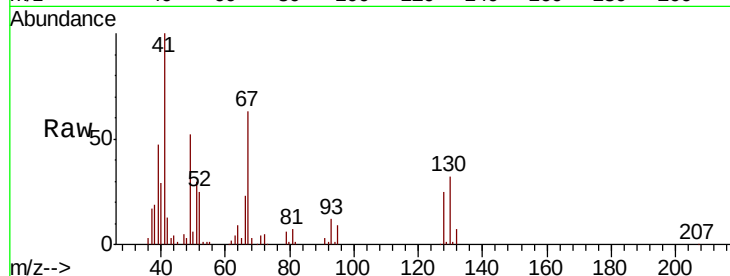




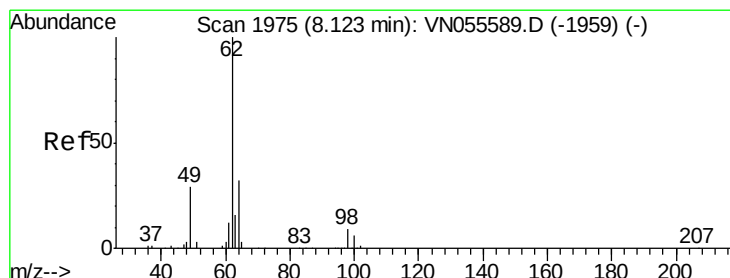
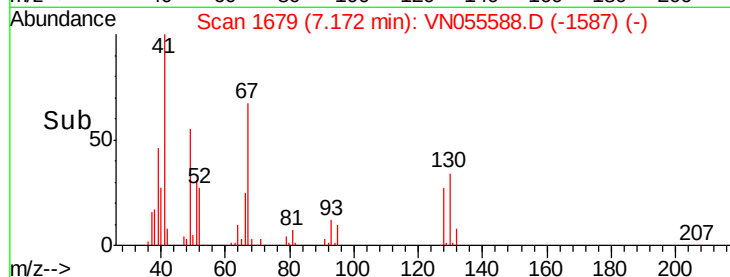
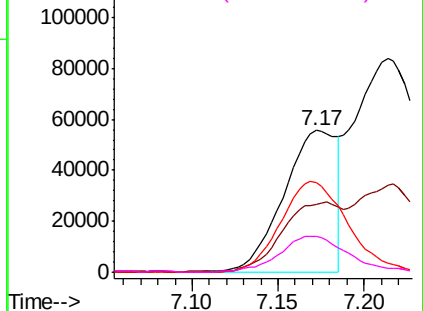
#41
Methacrylonitrile
Concen: 19.623 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	120218
Ion	Ratio	Lower	Upper
41	100		
39	53.7	44.1	66.1
67	81.1	63.4	95.0
52	33.2	25.0	37.6

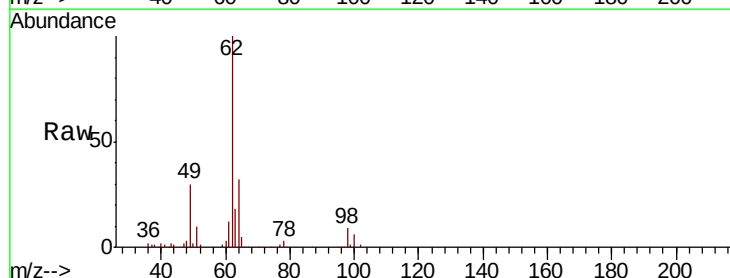


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

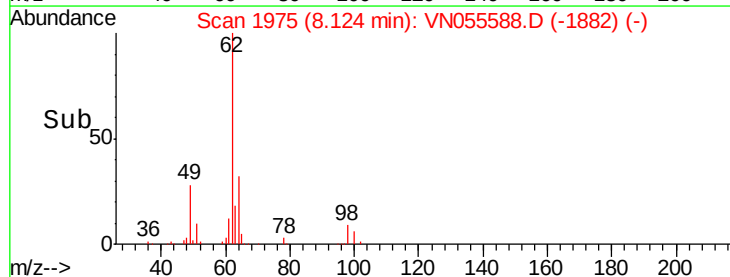
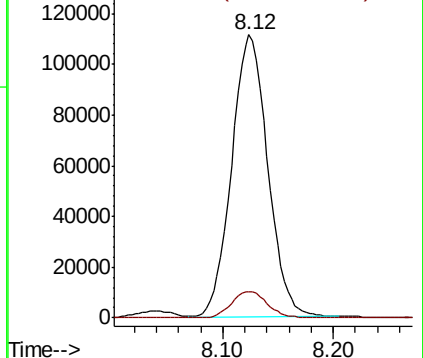


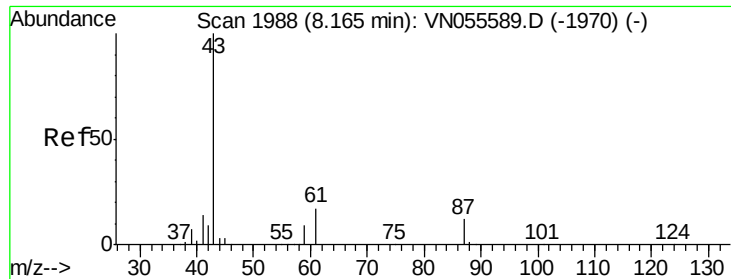
#42
1,2-Dichloroethane
Concen: 18.858 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion:	62	Resp:	253220
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 18.460 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

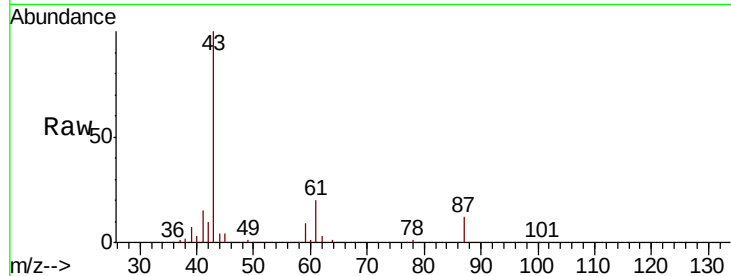
Tot Ion: 43 Resp: 369992

Ion Ratio Lower Upper

43 100

61 20.6 16.1 24.1

87 12.2 9.6 14.4

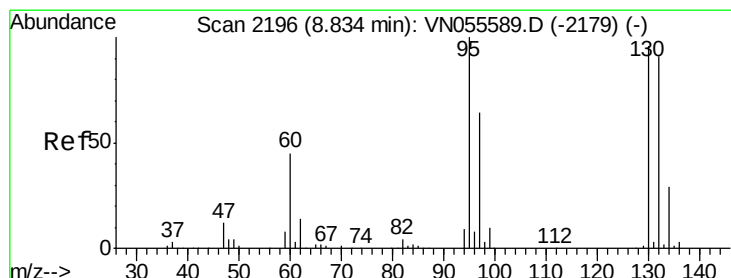
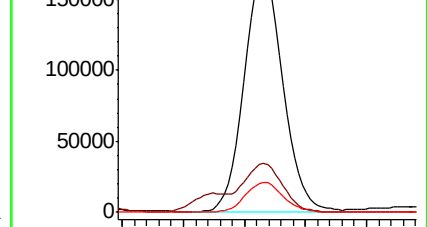
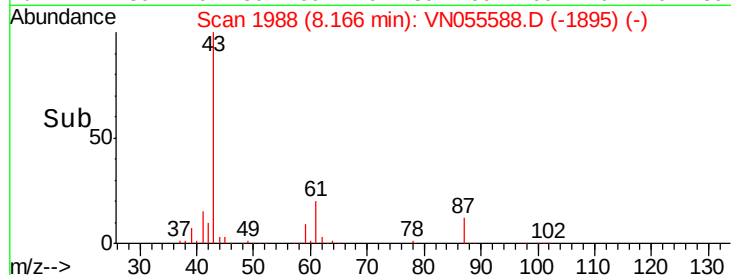


Abundance Ion 43.00 (42.70 to 43.70): VN055588.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055588.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055588.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 20.425 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055588.D

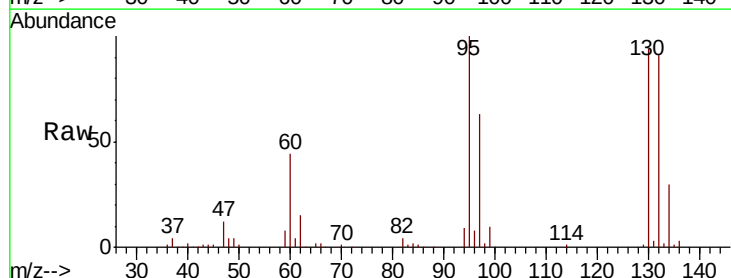
Acq: 14 May 2019 12:22

Tgt Ion:130 Resp: 187718

Ion Ratio Lower Upper

130 100

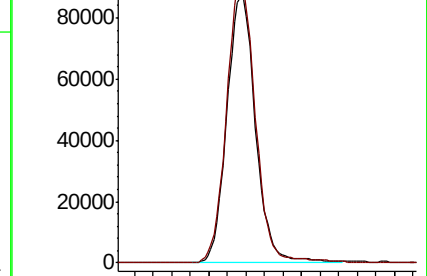
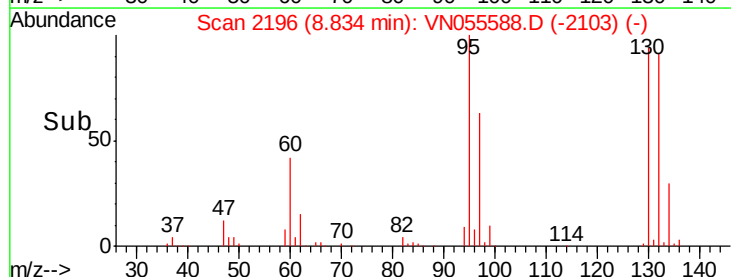
95 106.1 0.0 208.6

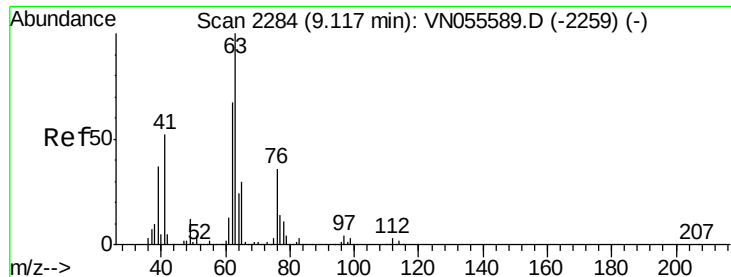


Abundance Ion 129.80 (129.50 to 130.50): VN055588.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055588.D (-2179) (-)

8.83

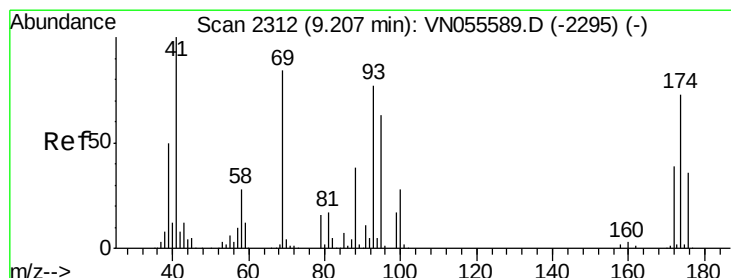
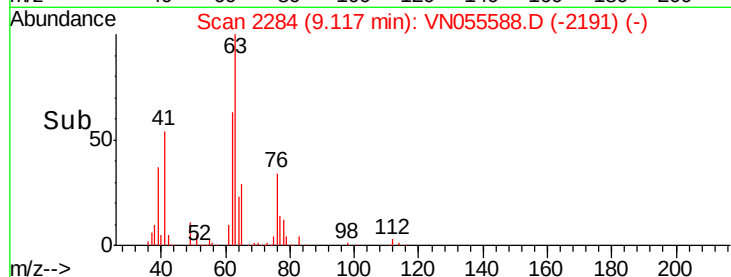
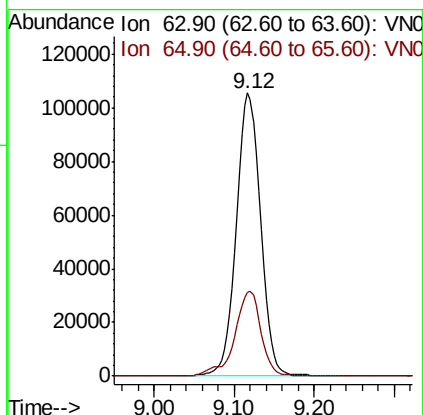
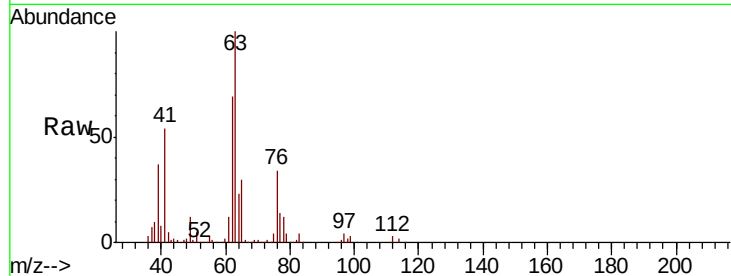




#45
 1,2-Dichloropropane
 Concen: 19.634 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

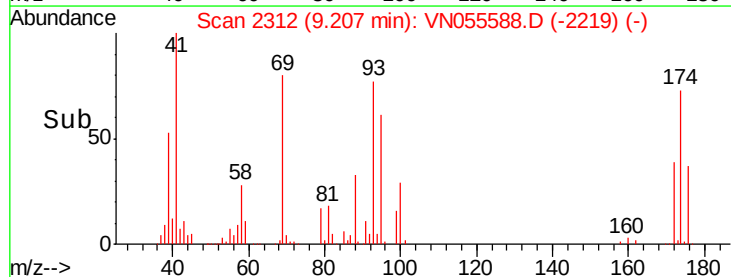
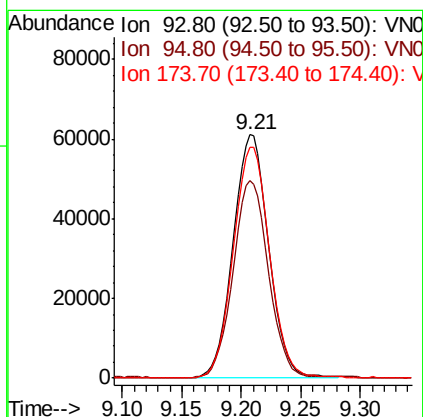
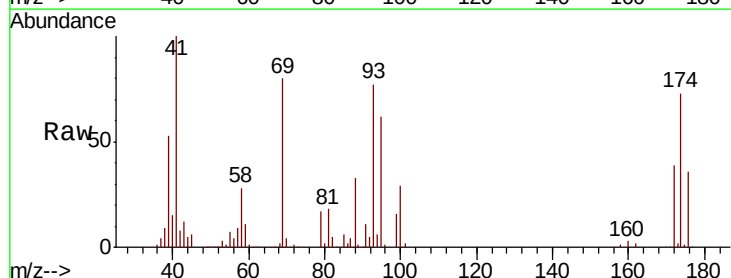
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

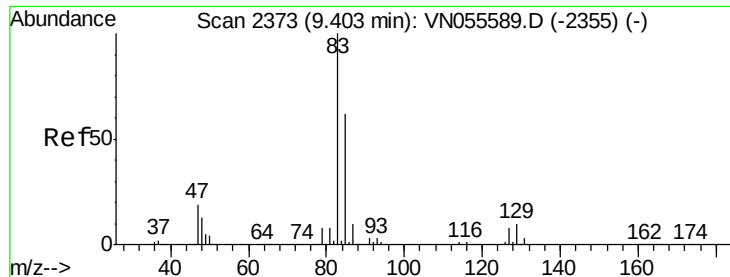
Tot Ion: 63 Resp: 215018
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.1 36.1



#46
 Dibromomethane
 Concen: 19.933 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 93 Resp: 126430
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.6 100.0
 174 96.6 78.4 117.6





#47

Bromodichloromethane

Concen: 19.527 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

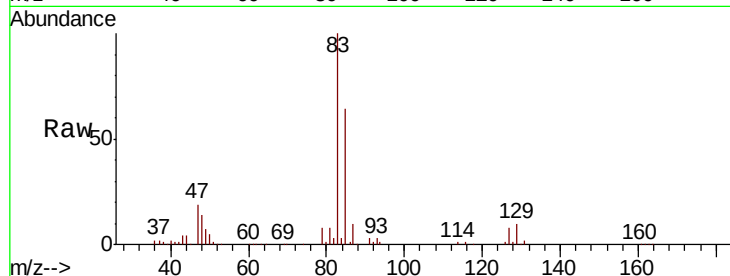
Tot Ion: 83 Resp: 237934

Ion Ratio Lower Upper

83 100

85 64.3 49.6 74.4

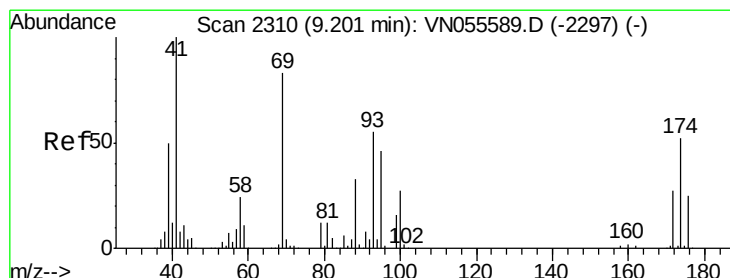
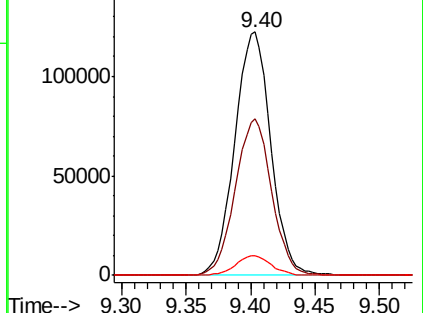
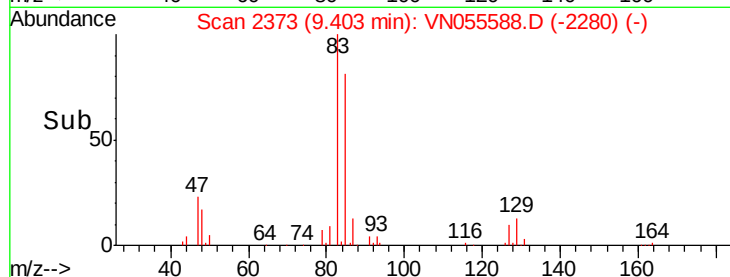
127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.762 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

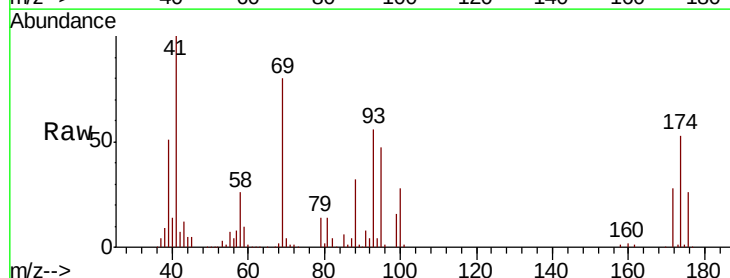
Tgt Ion: 41 Resp: 181732

Ion Ratio Lower Upper

41 100

69 81.3 65.7 98.5

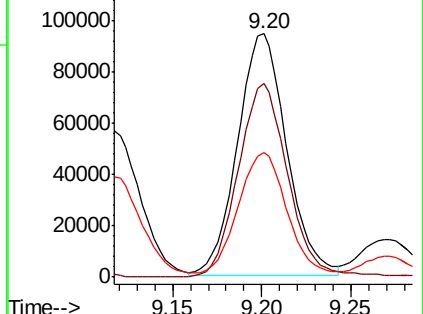
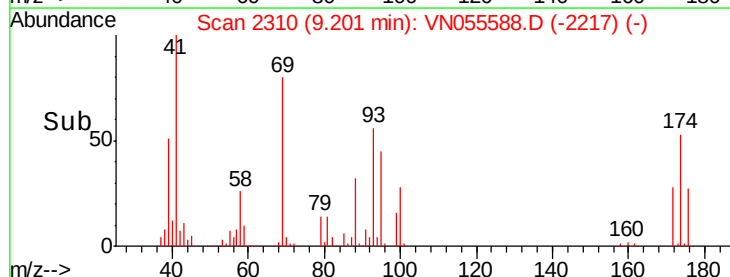
39 51.2 40.2 60.4

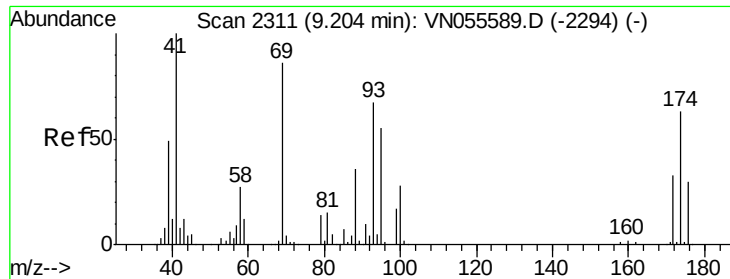


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

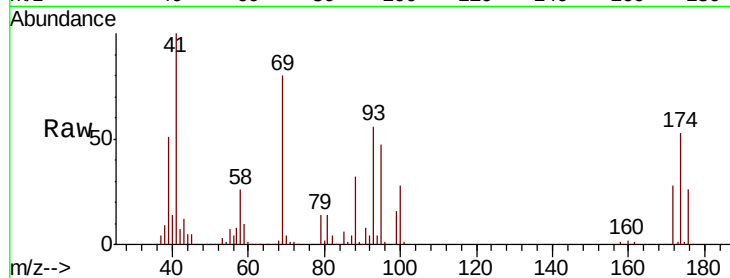




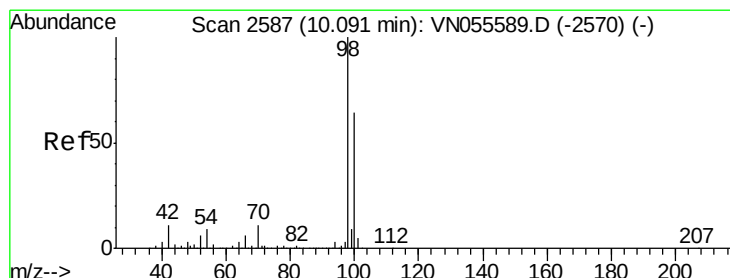
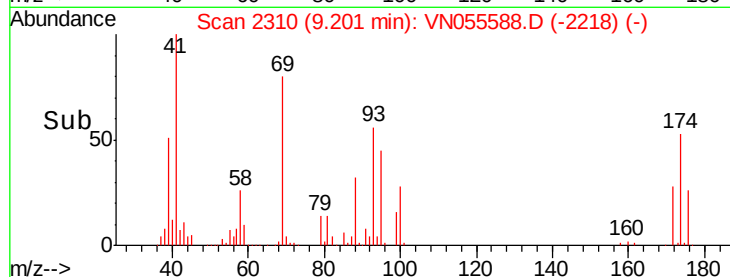
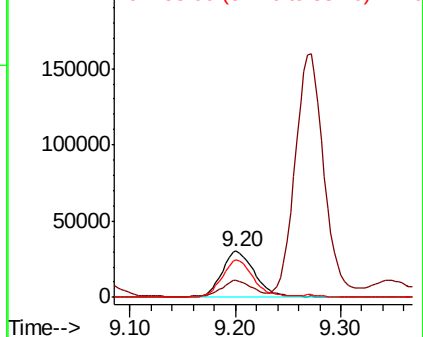
#49
1,4-Dioxane
Concen: 354.234 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 66436
Ion Ratio Lower Upper
88 100
43 31.6 25.4 38.0
58 76.7 59.4 89.2

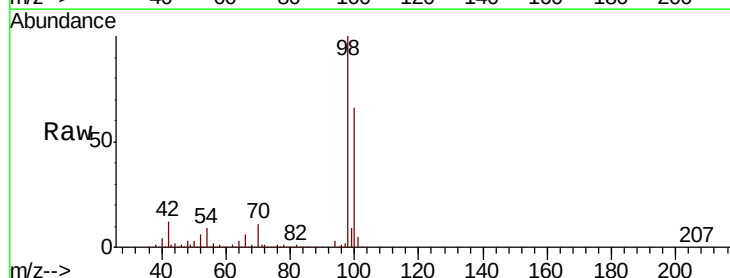


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

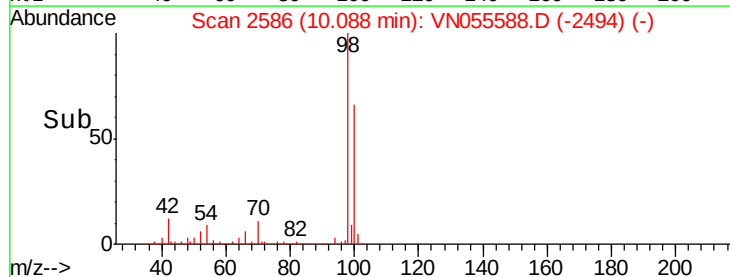
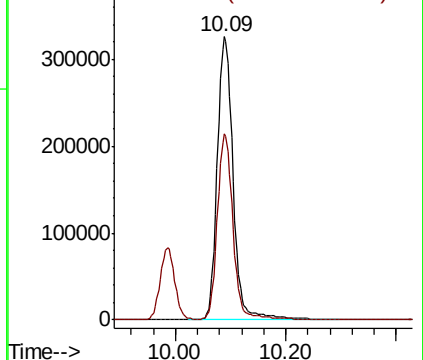


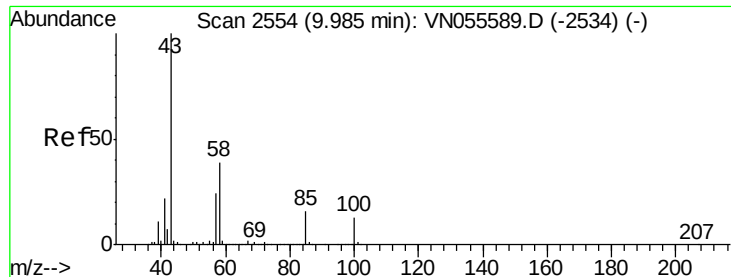
#50
Toluene-d8
Concen: 20.433 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 98 Resp: 648380
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 89.133 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

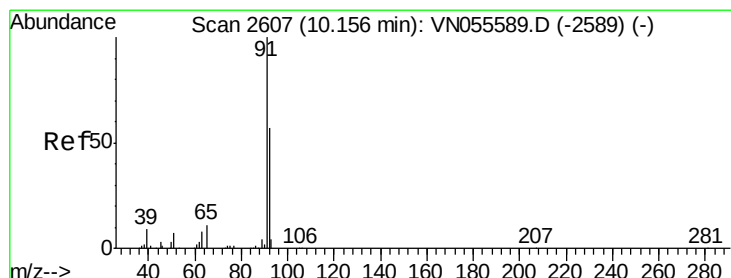
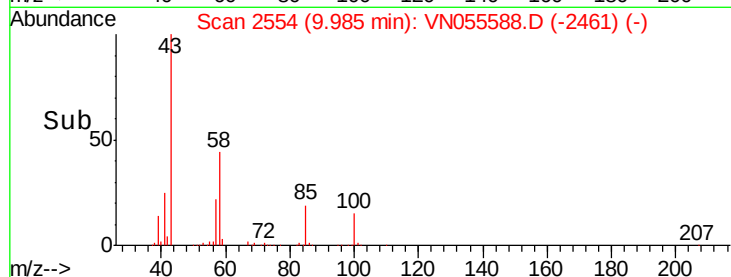
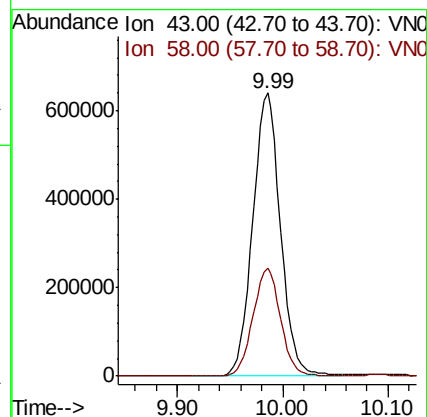
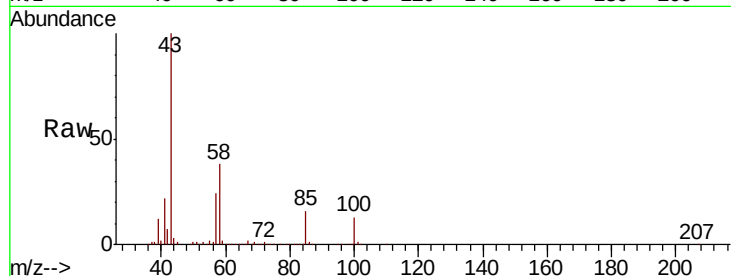
VSTDIC020

Tot Ion: 43 Resp: 1169321

Ion Ratio Lower Upper

43 100

58 38.0 30.6 46.0



#52

Toluene

Concen: 20.129 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055588.D

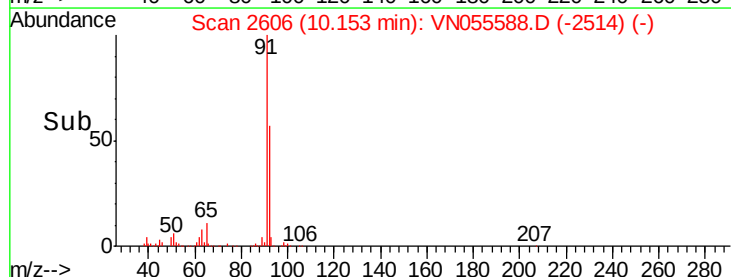
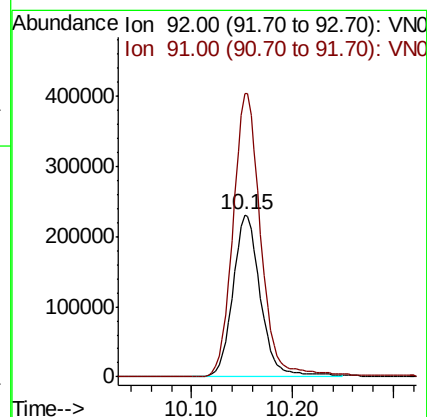
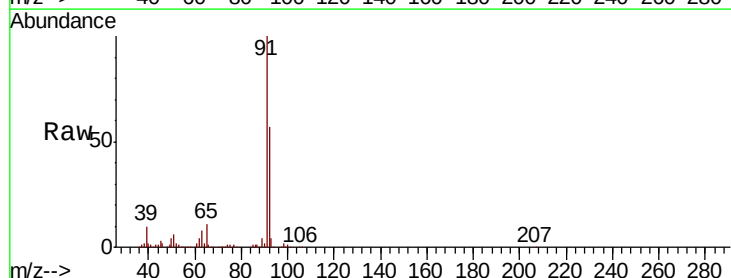
Acq: 14 May 2019 12:22

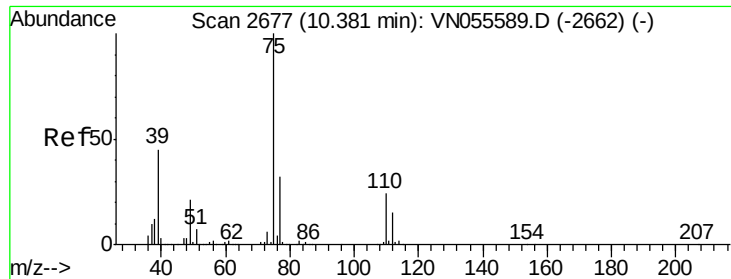
Tgt Ion: 92 Resp: 441939

Ion Ratio Lower Upper

92 100

91 177.2 141.5 212.3





#53

t-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

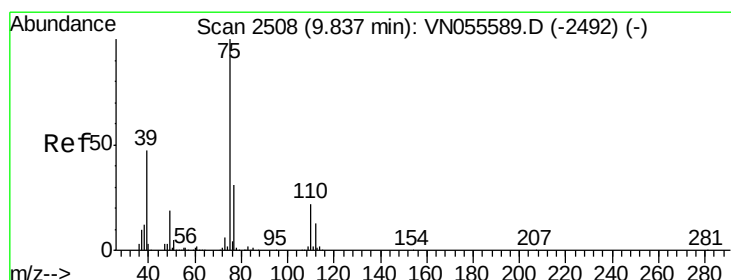
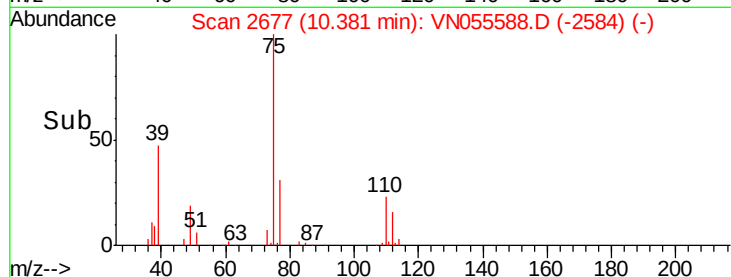
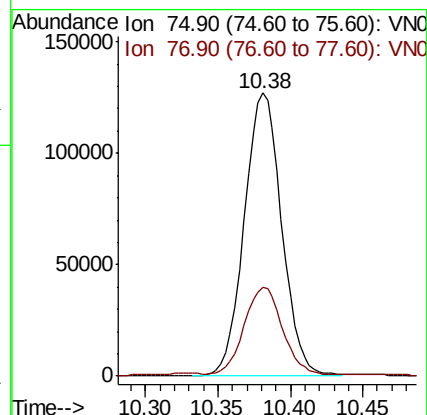
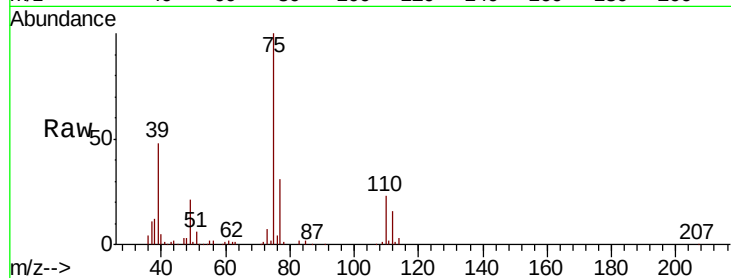
VSTDIC020

Tot Ion: 75 Resp: 228306

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.907 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

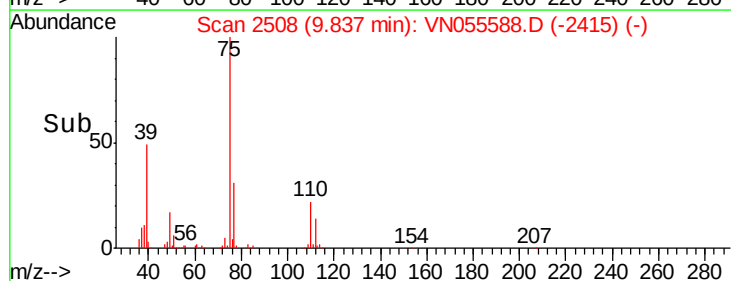
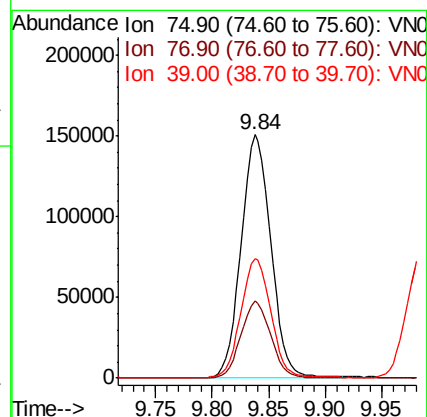
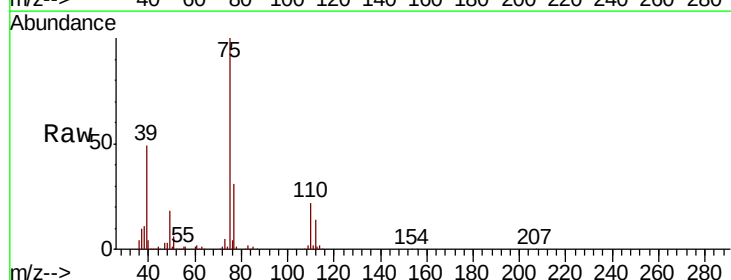
Tgt Ion: 75 Resp: 277982

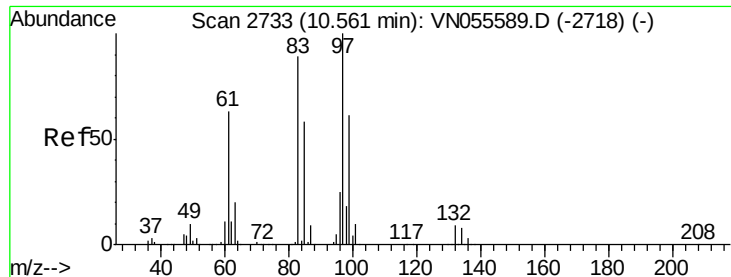
Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7

39 49.2 37.7 56.5



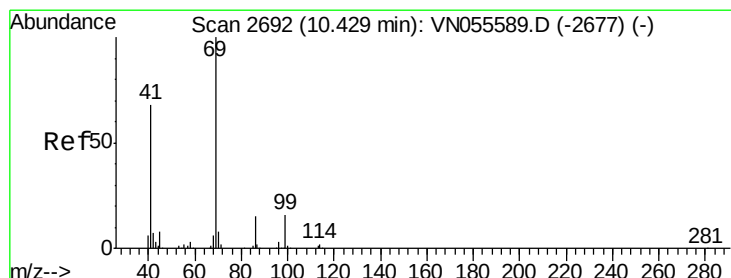
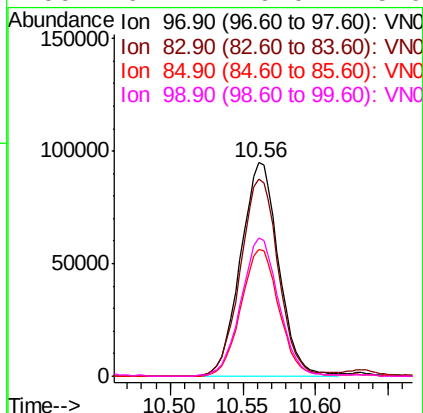
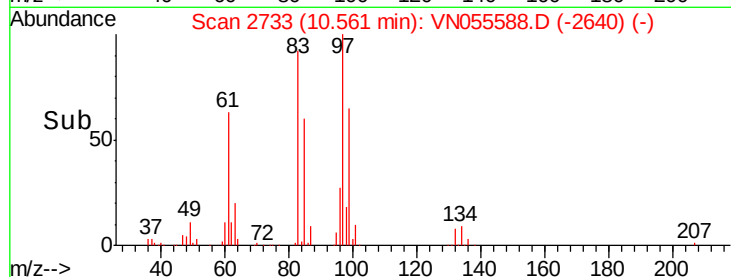
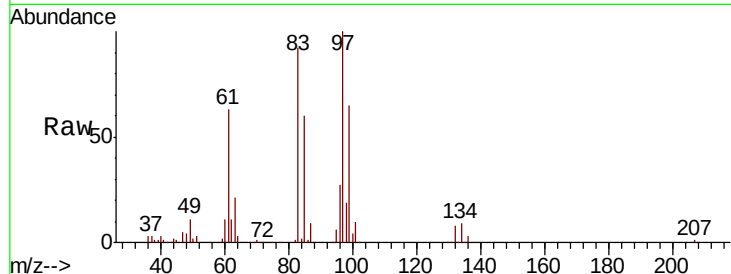


#55
 1,1,2-Trichloroethane
 Concen: 19.527 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 173330

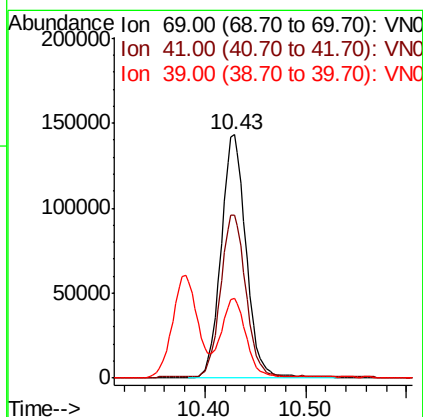
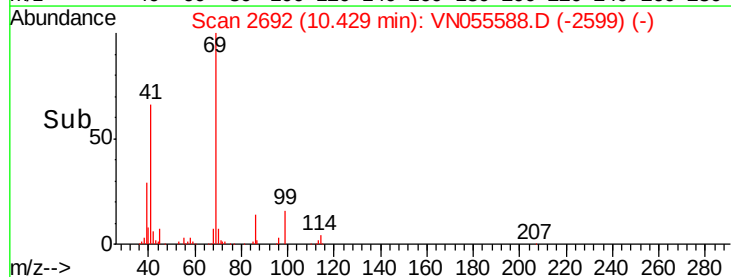
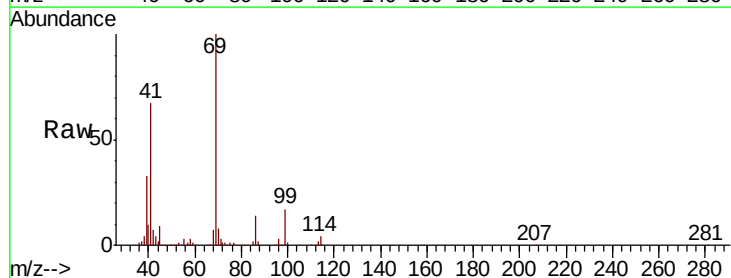
Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.5	107.3
85	59.6	46.2	69.4
99	64.7	49.0	73.6

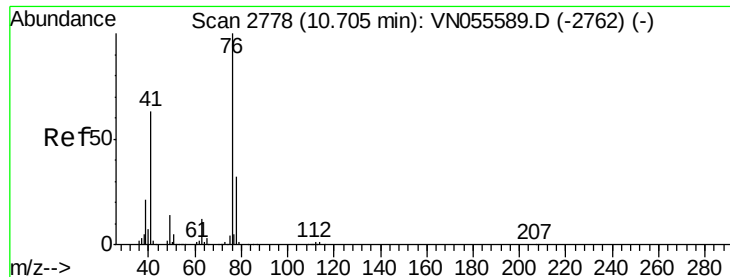


#56
 Ethyl methacrylate
 Concen: 19.003 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 69 Resp: 248328

Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	82.0
39	31.7	25.5	38.3





#57

1,3-Dichloropropane

Concen: 19.607 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

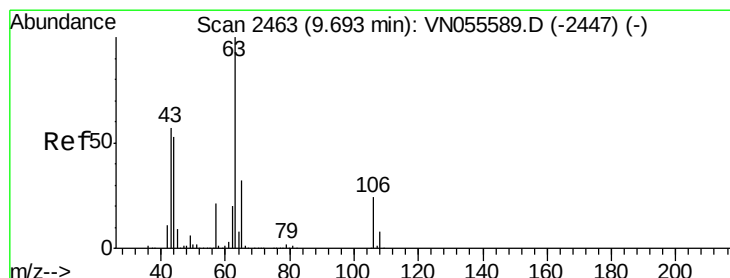
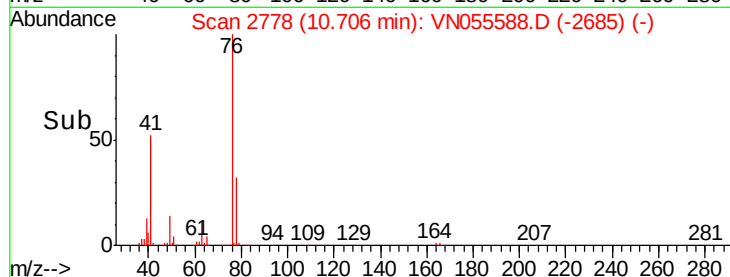
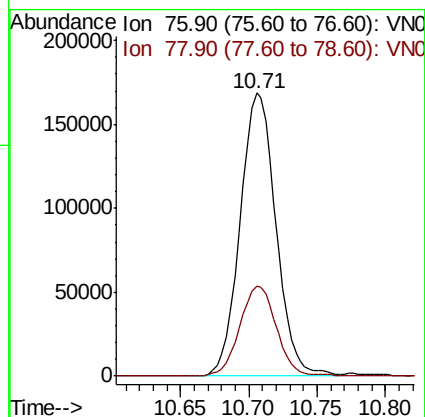
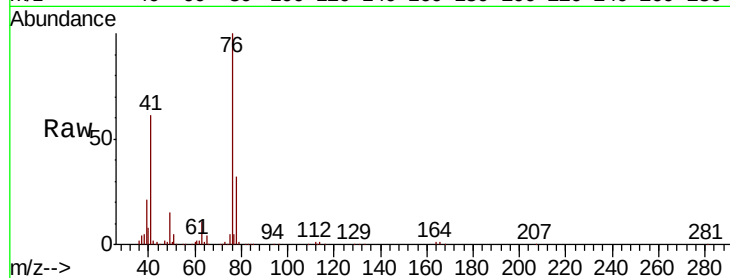
VSTDIC020

Tot Ion: 76 Resp: 307912

Ion Ratio Lower Upper

76 100

78 32.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 91.639 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055588.D

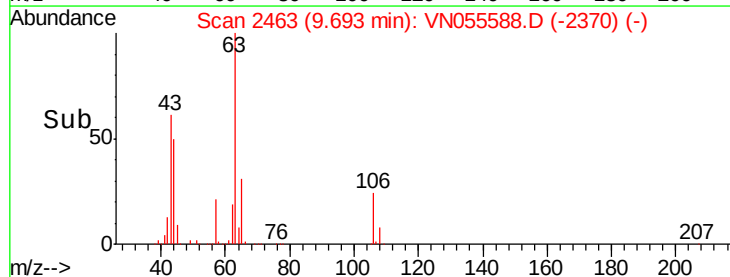
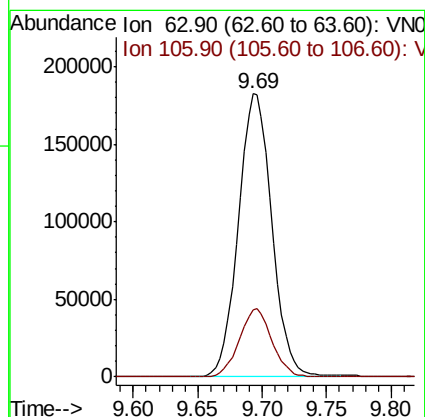
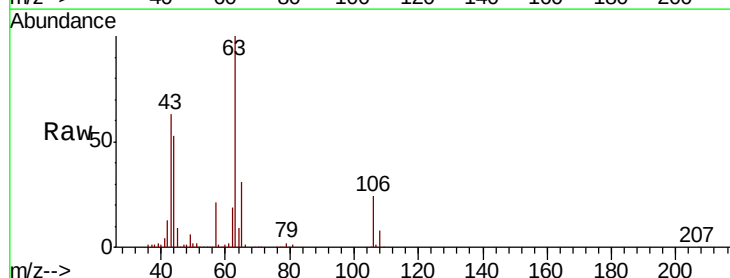
Acq: 14 May 2019 12:22

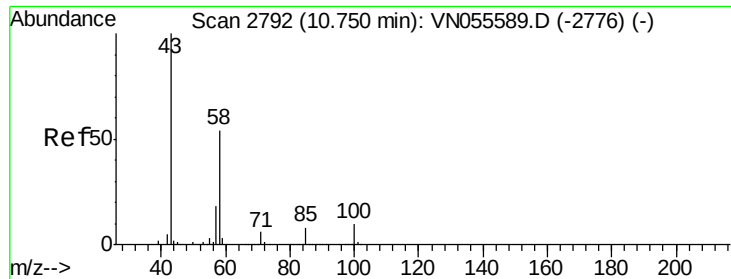
Tgt Ion: 63 Resp: 330047

Ion Ratio Lower Upper

63 100

106 23.4 19.0 28.4

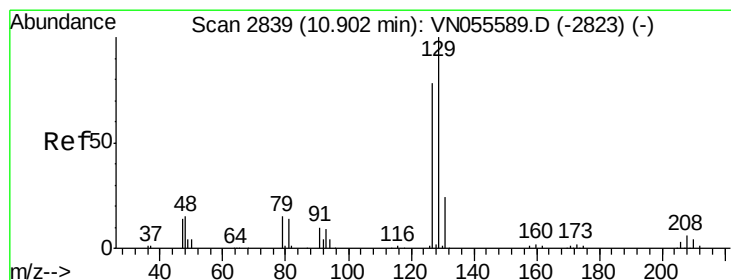
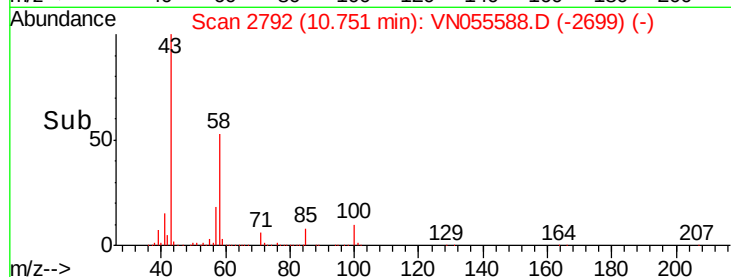
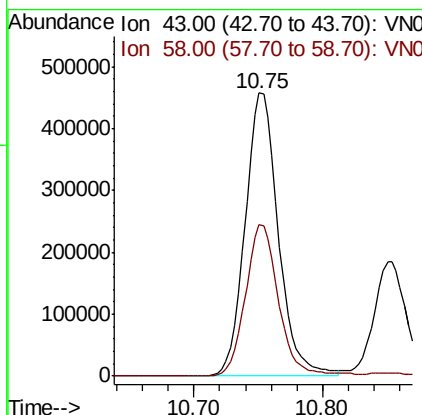
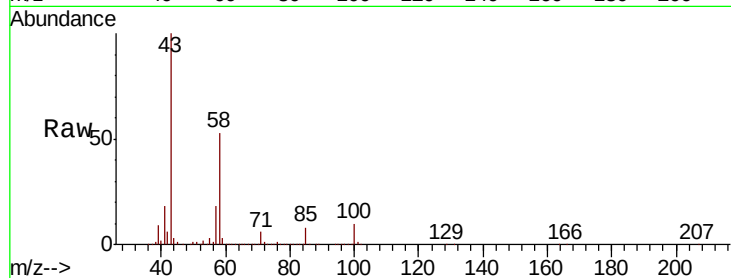




#59
2-Hexanone
Concen: 89.277 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

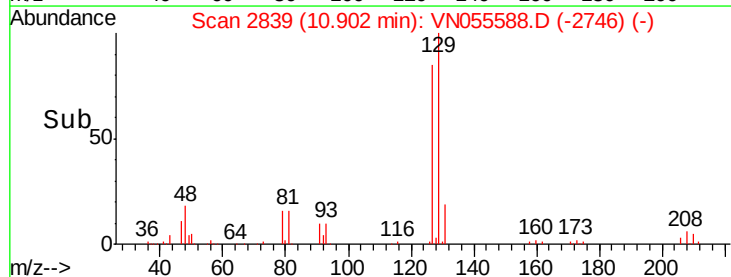
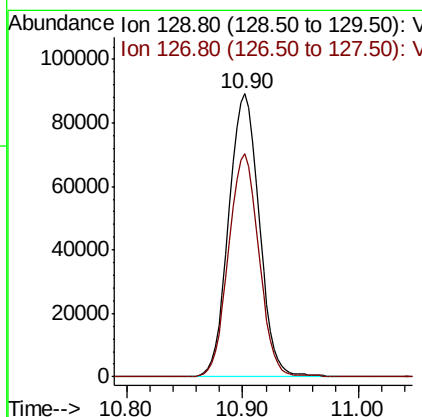
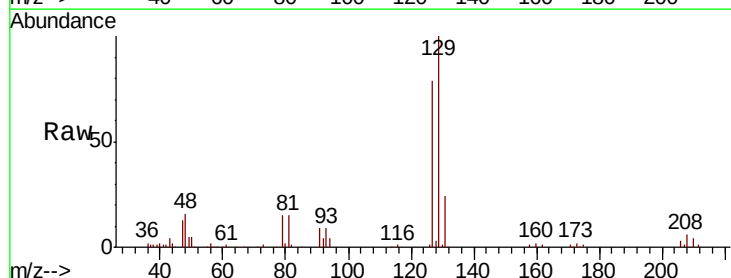
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

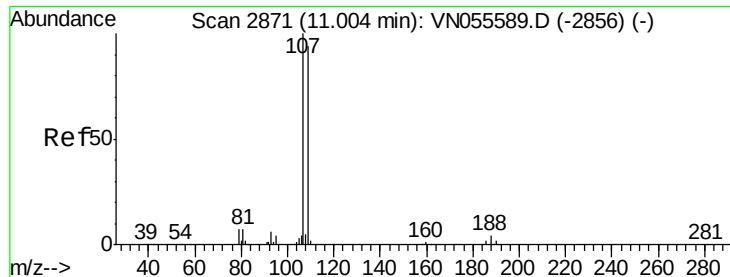
Tot Ion: 43 Resp: 820137
Ion Ratio Lower Upper
43 100
58 53.5 27.0 80.8



#60
Dibromochloromethane
Concen: 20.109 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 129 Resp: 162398
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.052 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

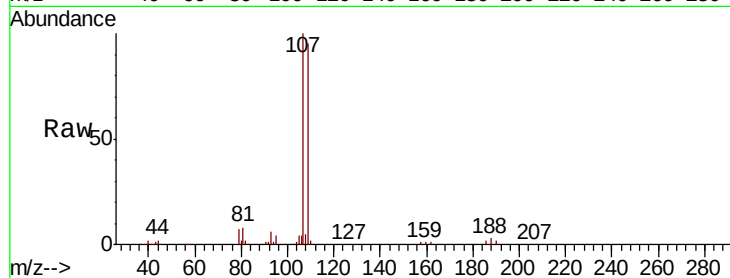
VSTDIC020

Tot Ion:107 Resp: 170524

Ion Ratio Lower Upper

107 100

109 91.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

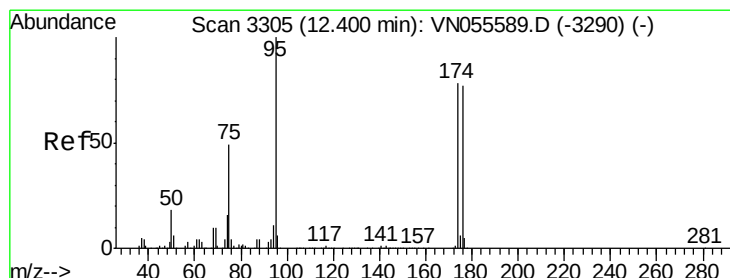
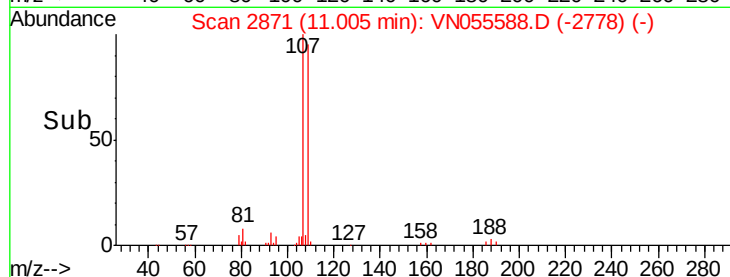
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

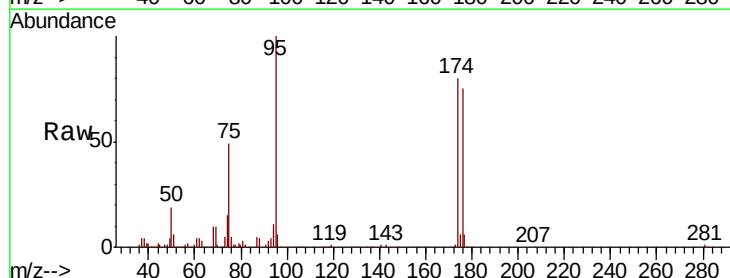
Tgt Ion: 95 Resp: 204278

Ion Ratio Lower Upper

95 100

174 78.9 0.0 158.4

176 75.2 0.0 153.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

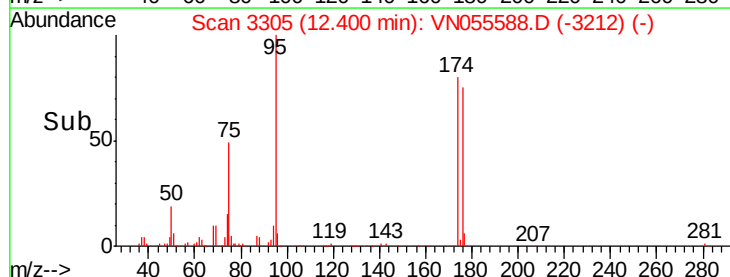
150000

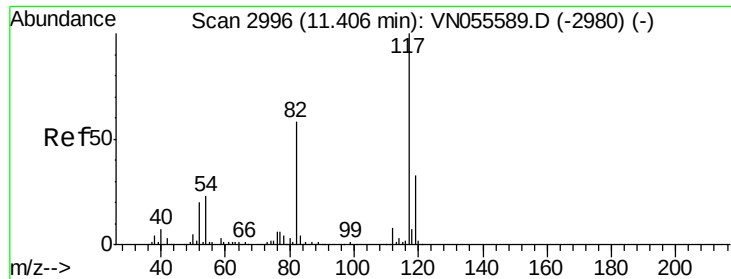
100000

50000

0

Time--> 12.30 12.40 12.50

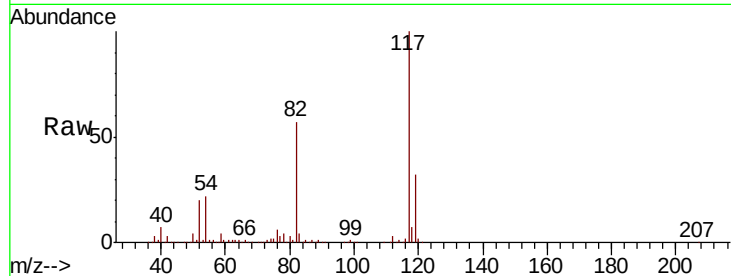




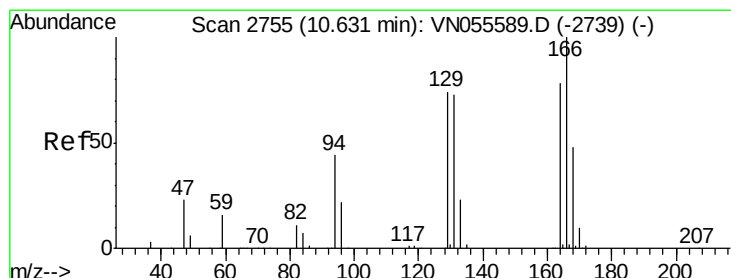
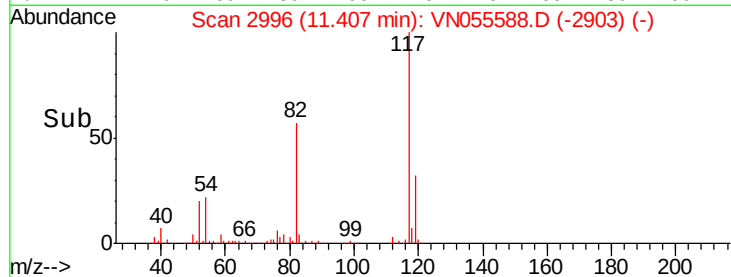
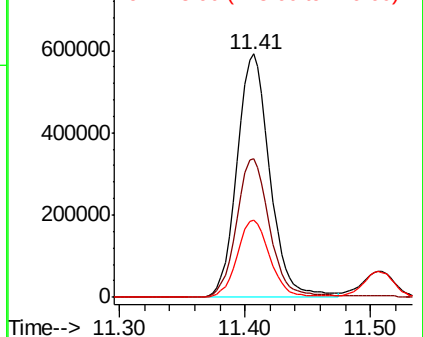
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1077511
Ion Ratio Lower Upper
117 100
82 57.0 46.7 70.1
119 31.7 26.0 39.0

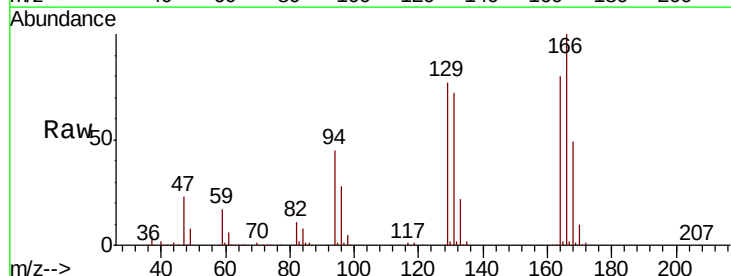


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

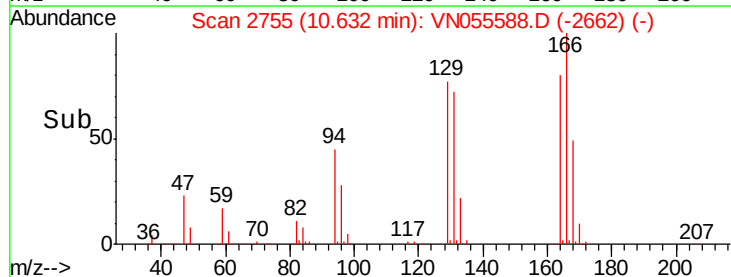
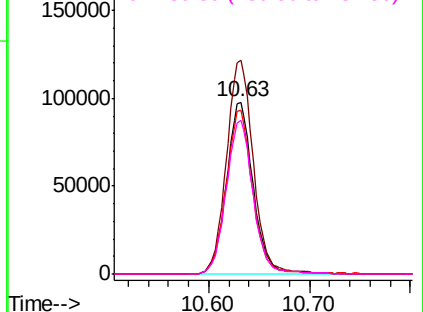


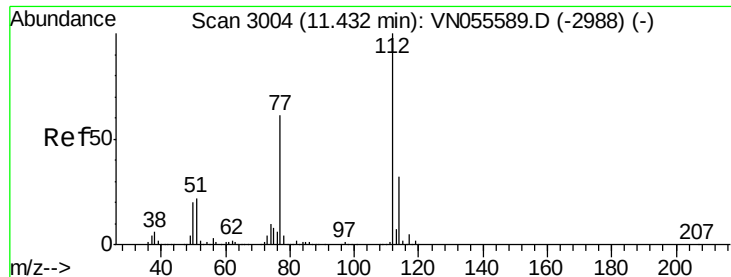
#64
Tetrachloroethene
Concen: 20.497 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion:164 Resp: 180578
Ion Ratio Lower Upper
164 100
166 124.4 102.1 153.1
129 95.6 75.8 113.8
131 89.8 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

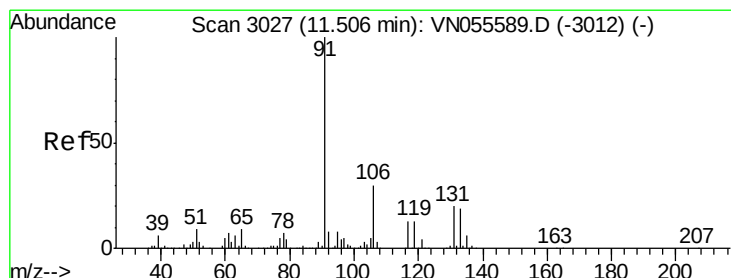
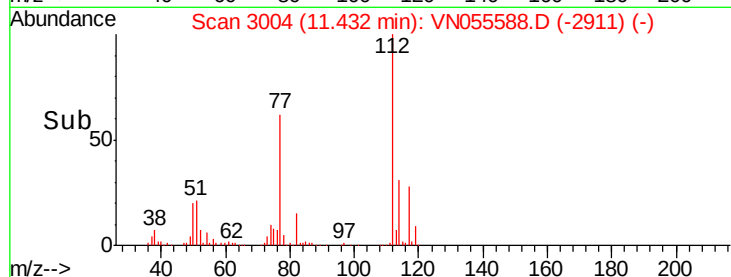
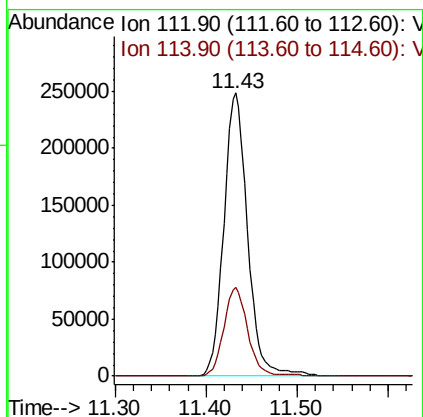
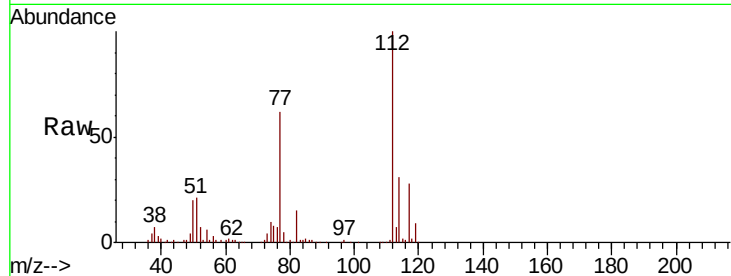




#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

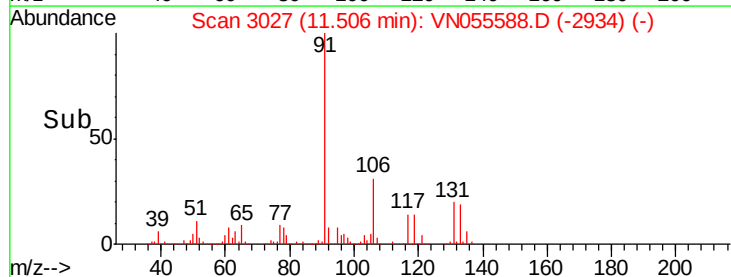
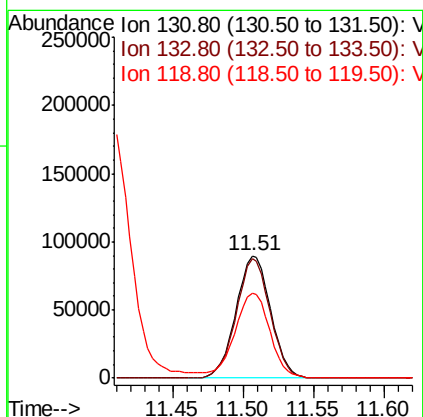
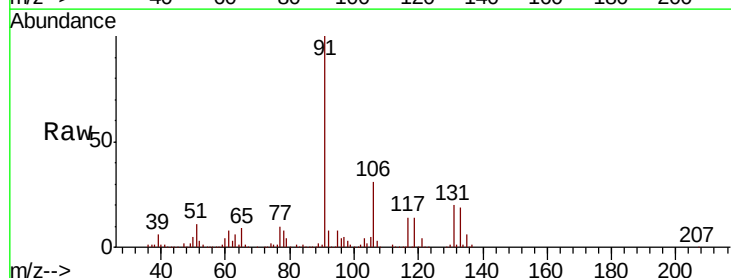
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

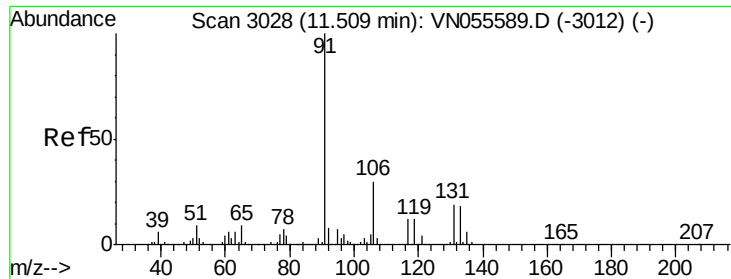
Tot Ion:112 Resp: 450863
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.326 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion:131 Resp: 155312
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 70.6 34.2 102.5

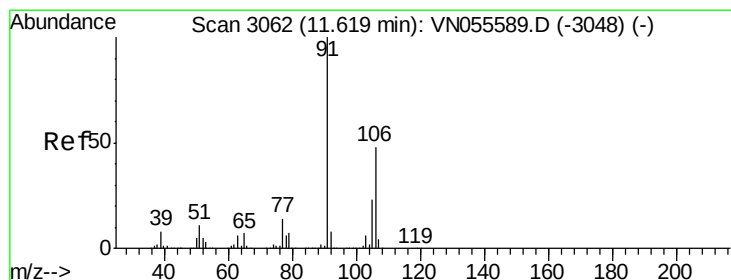
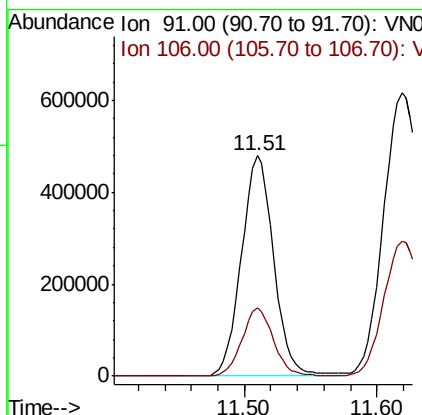
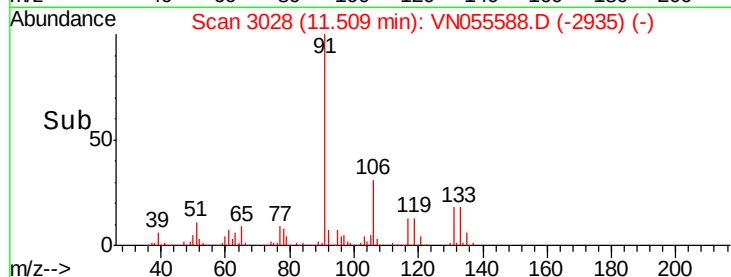
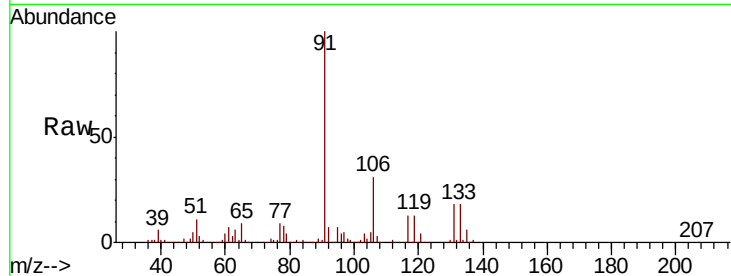




#67
Ethyl Benzene
Concen: 19.649 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

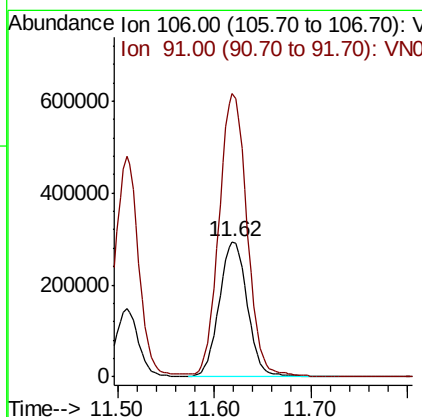
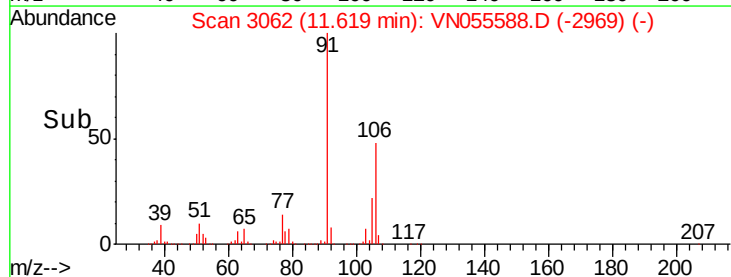
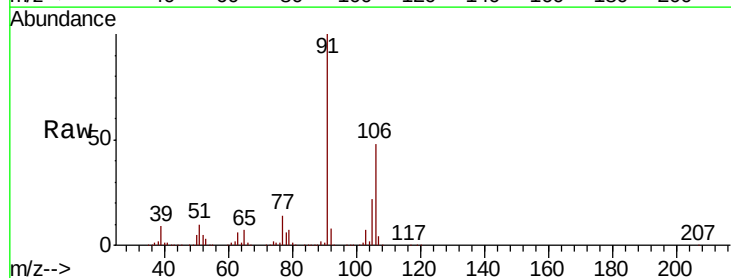
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

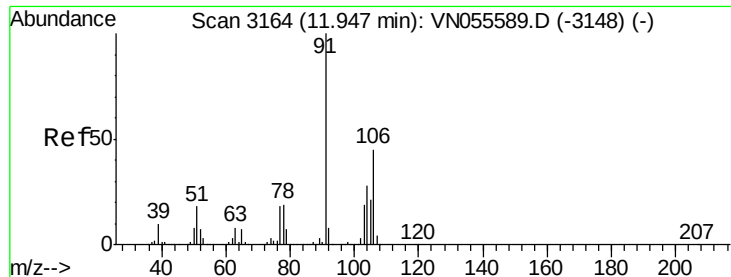
Tot Ion: 91 Resp: 812234
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 40.036 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 106 Resp: 595583
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3

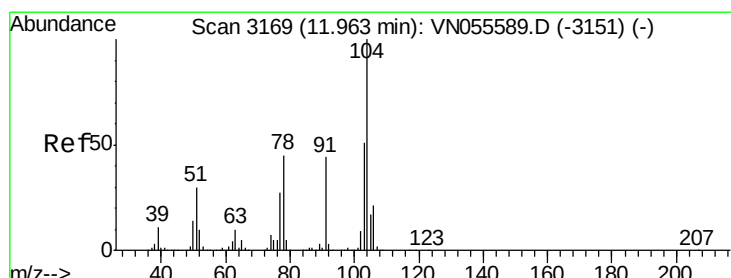
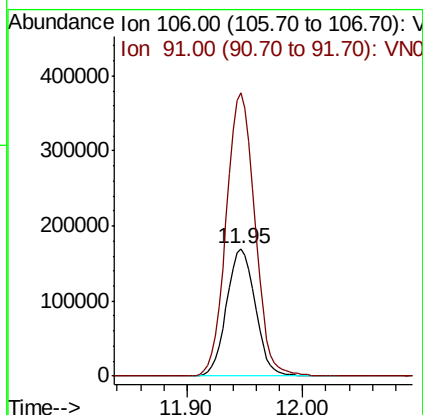
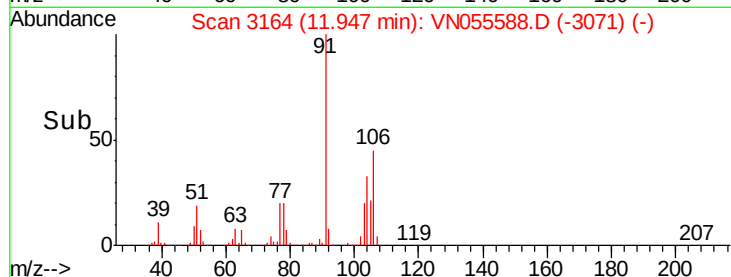
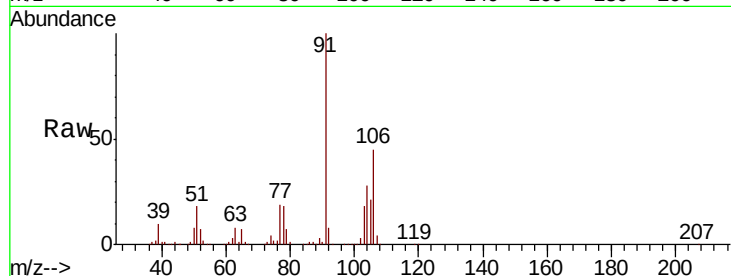




#69
o-Xylene
Concen: 19.993 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

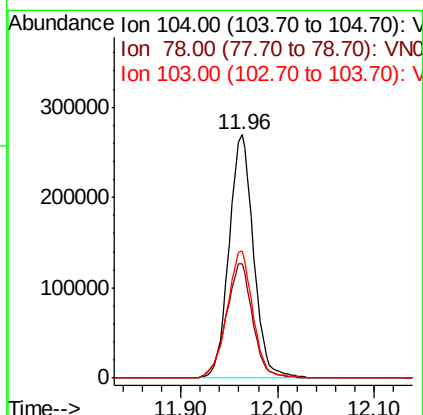
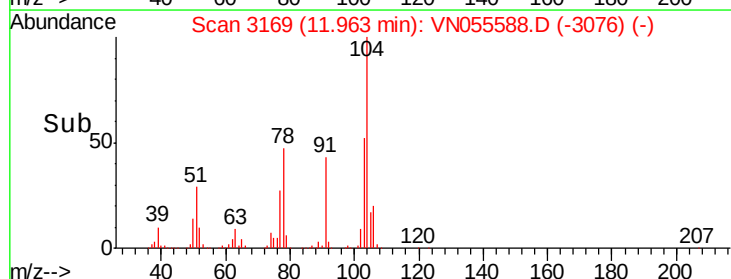
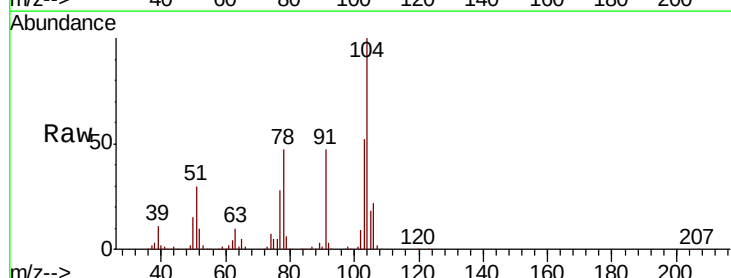
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

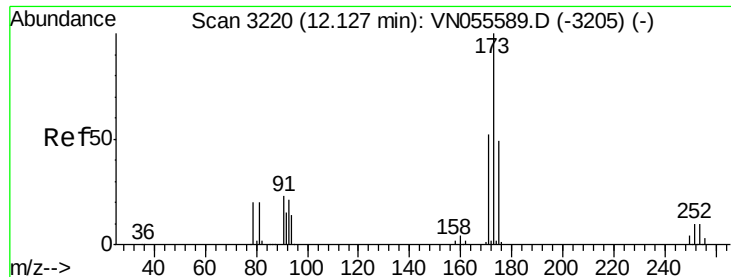
Tot Ion:106 Resp: 291914
Ion Ratio Lower Upper
106 100
91 221.8 110.2 330.6



#70
Styrene
Concen: 20.304 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion:104 Resp: 473783
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.5 44.6 67.0





#71

Bromoform

Concen: 19.859 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

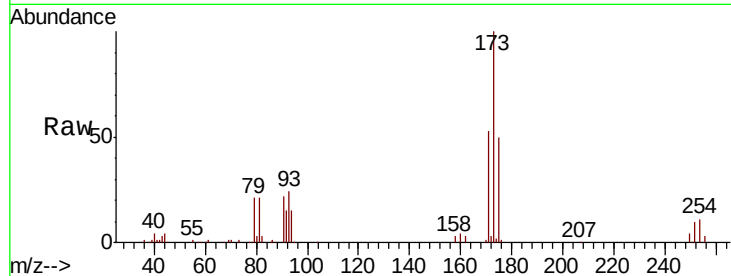
Tot Ion:173 Resp: 101627

Ion Ratio Lower Upper

173 100

175 50.4 24.4 73.4

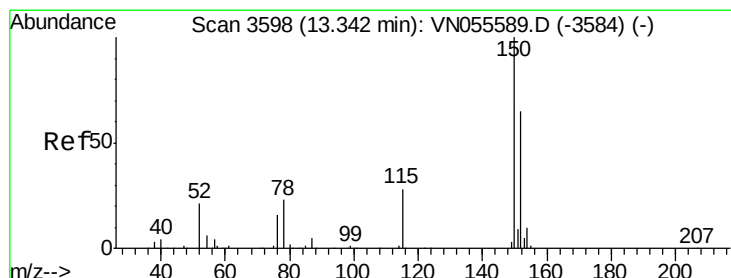
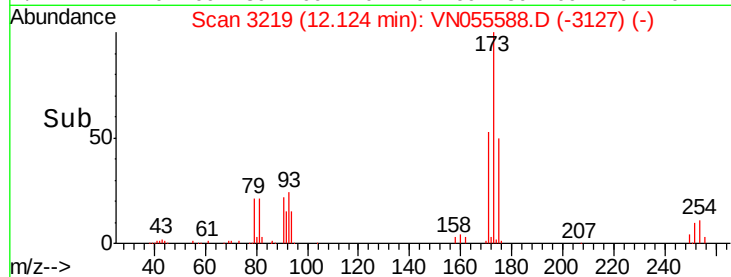
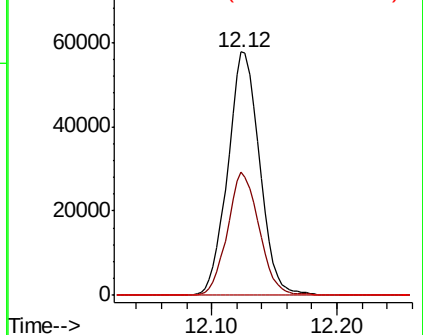
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

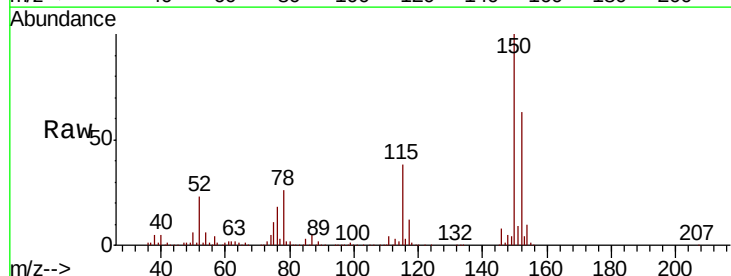
Tgt Ion:152 Resp: 403444

Ion Ratio Lower Upper

152 100

115 59.5 29.8 89.4

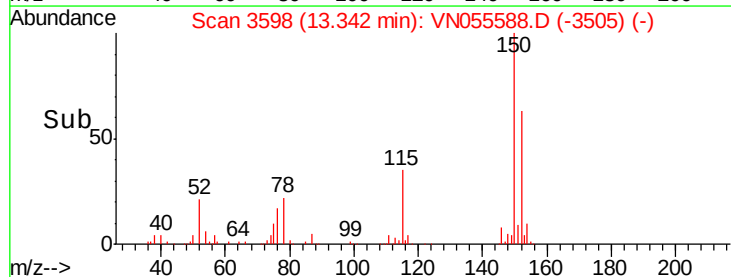
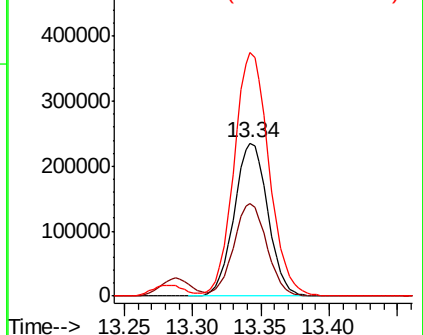
150 165.1 0.0 346.6

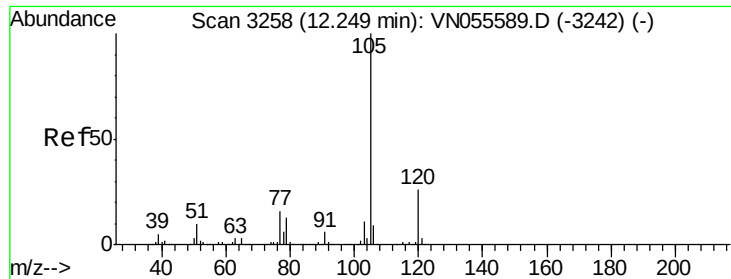


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

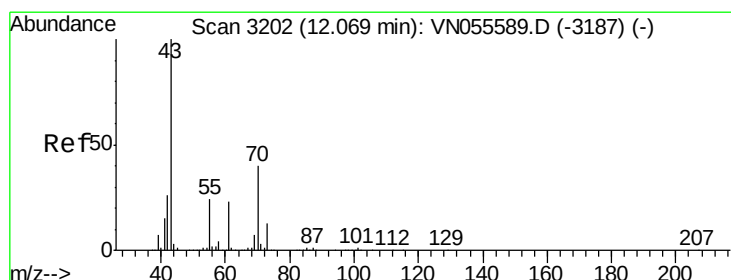
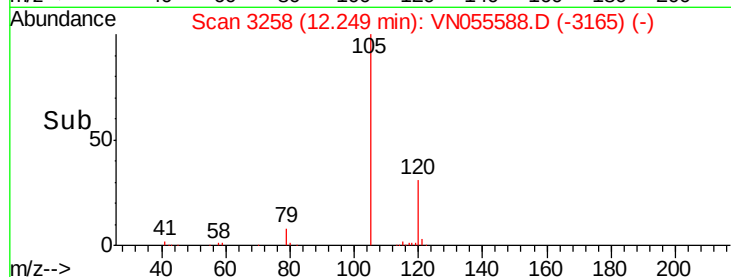
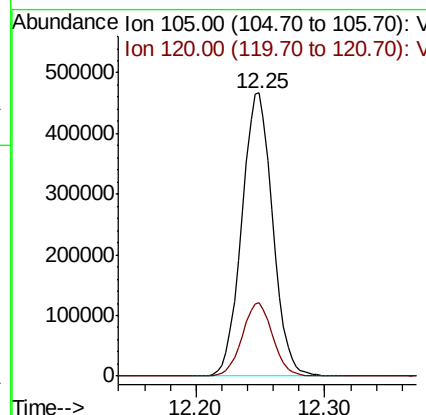
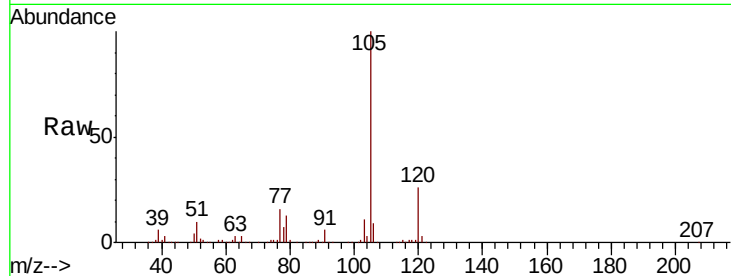




#73
Isopropylbenzene
Concen: 19.678 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

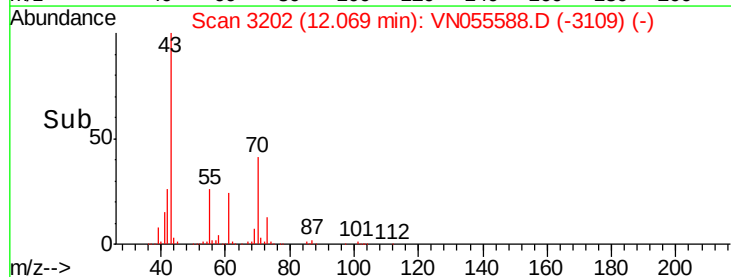
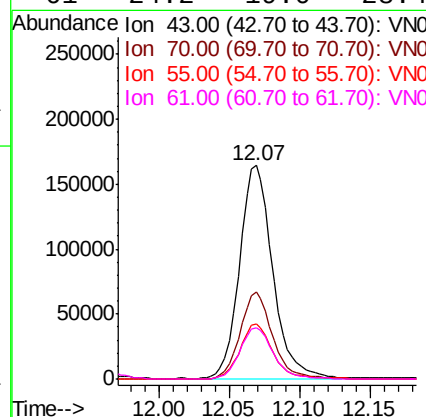
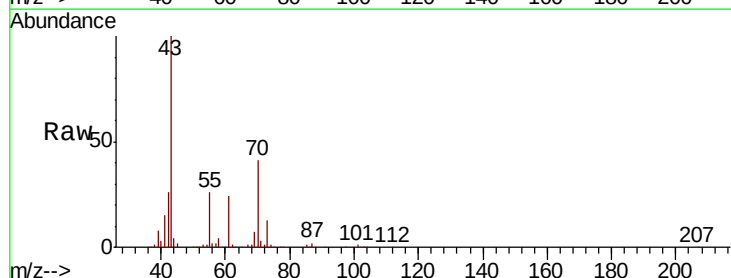
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

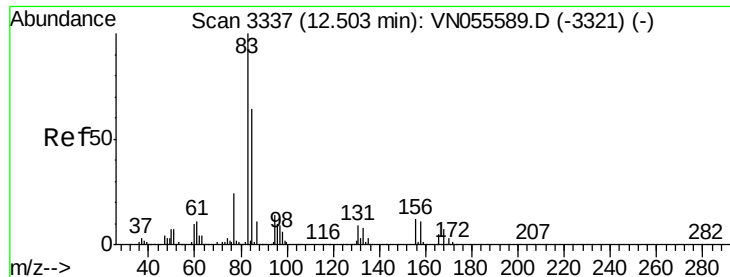
Tot Ion:105 Resp: 775844
Ion Ratio Lower Upper
105 100
120 25.6 13.0 39.0



#74
N-ethyl acetate
Concen: 18.064 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 43 Resp: 270080
Ion Ratio Lower Upper
43 100
70 40.1 31.8 47.6
55 26.0 19.7 29.5
61 24.2 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.657 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

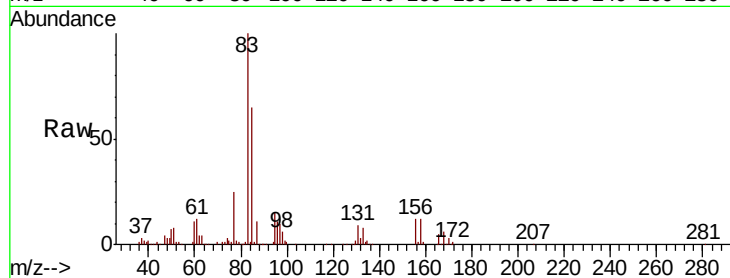
Tot Ion: 83 Resp: 238450

Ion Ratio Lower Upper

83 100

131 9.0 4.6 13.8

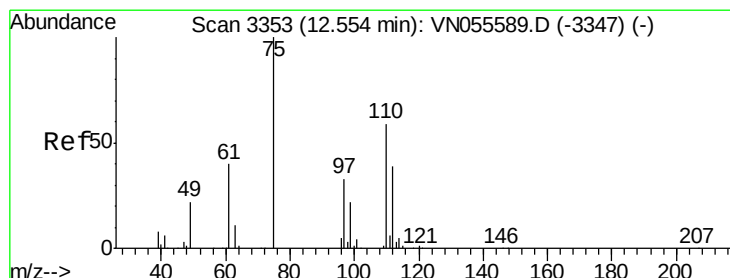
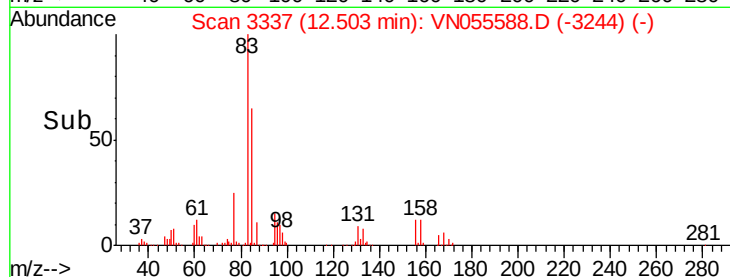
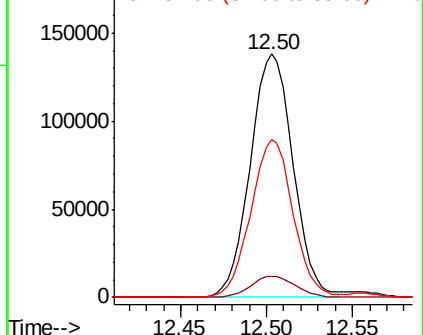
85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN055589.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN055589.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN055589.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 25.903 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055588.D

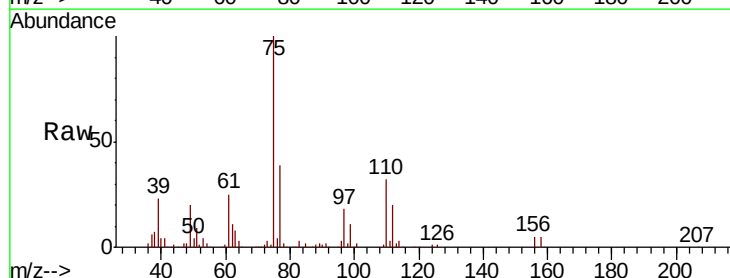
Acq: 14 May 2019 12:22

Tgt Ion: 75 Resp: 279699

Ion Ratio Lower Upper

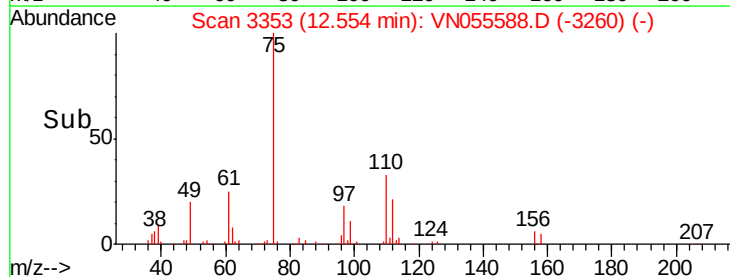
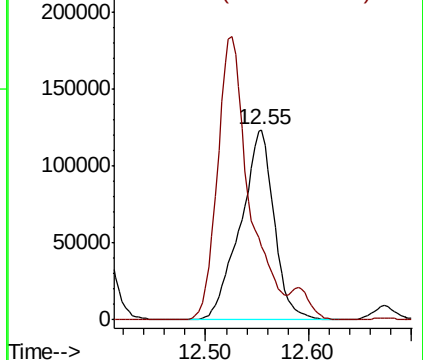
75 100

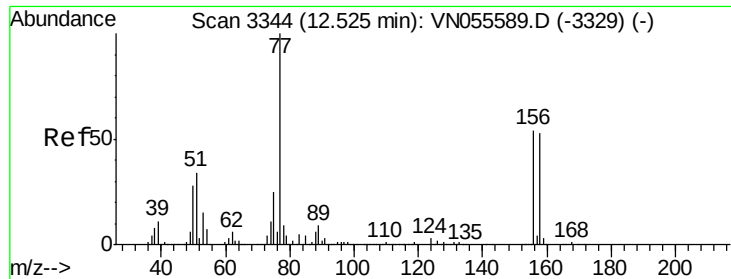
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055589.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055589.D (-3347) (-)





#77

Bromobenzene

Concen: 19.864 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

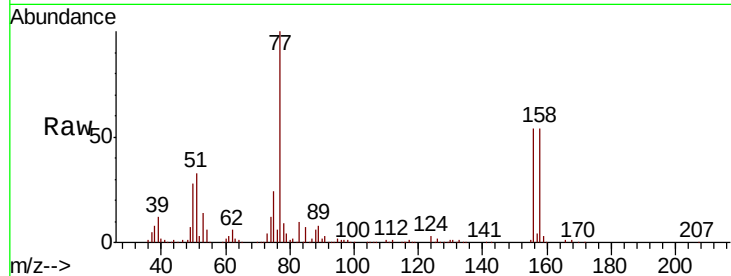
Tot Ion:156 Resp: 176545

Ion Ratio Lower Upper

156 100

77 221.7 108.9 326.7

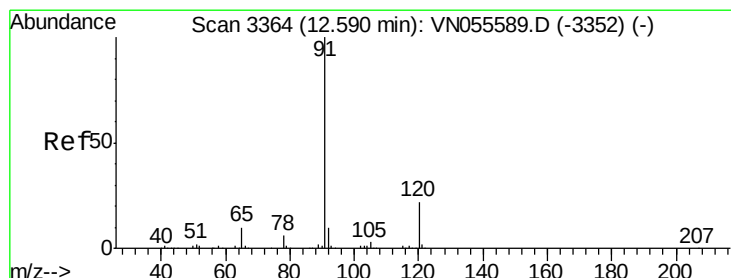
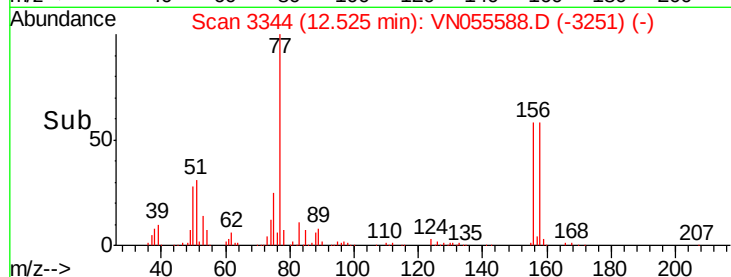
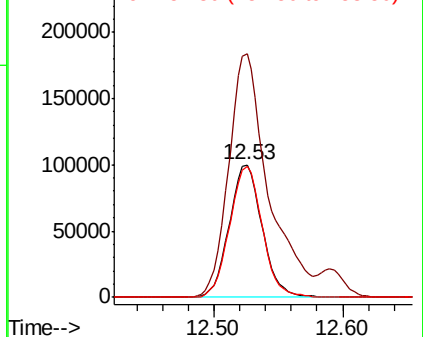
158 98.3 48.1 144.3



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: 19.675 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055588.D

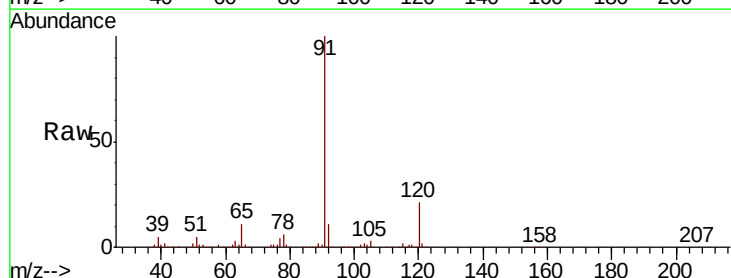
Acq: 14 May 2019 12:22

Tgt Ion: 91 Resp: 846642

Ion Ratio Lower Upper

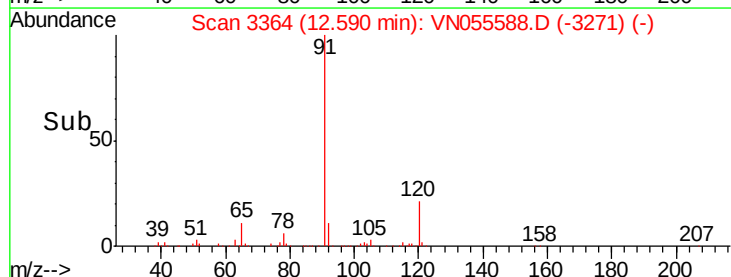
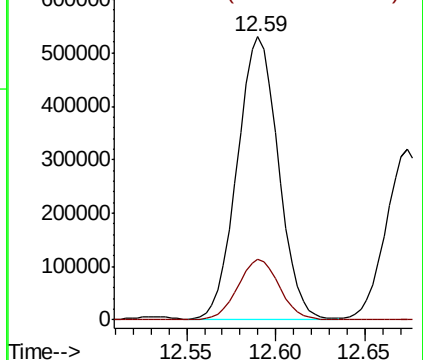
91 100

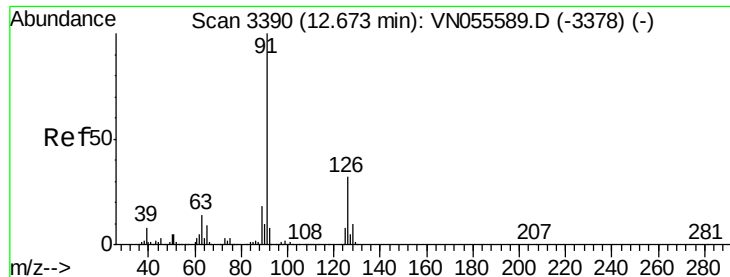
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

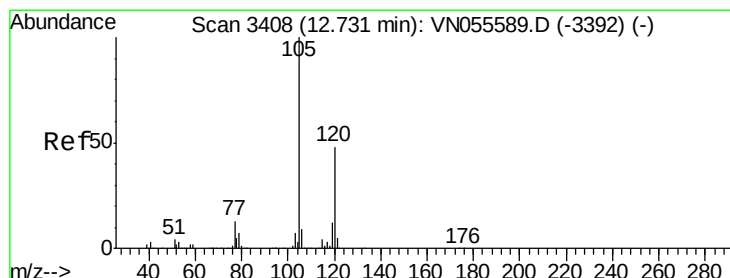
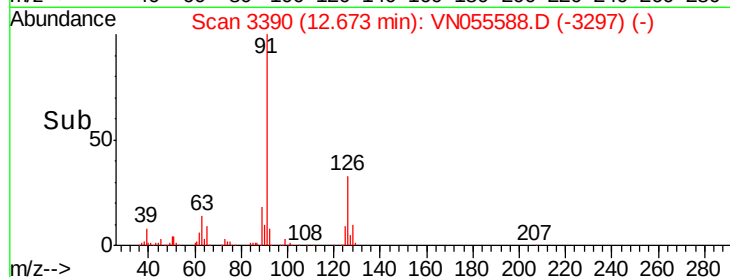
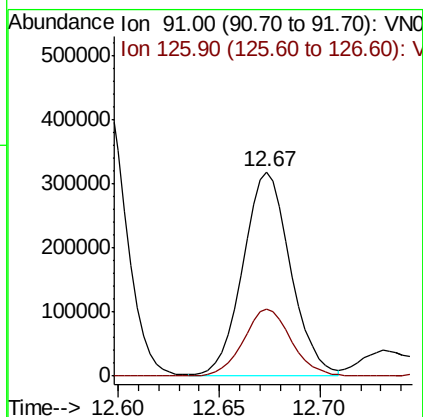
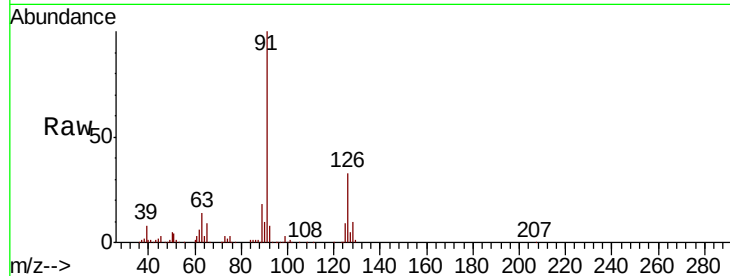




#79
 2-Chlorotoluene
 Concen: 19.475 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

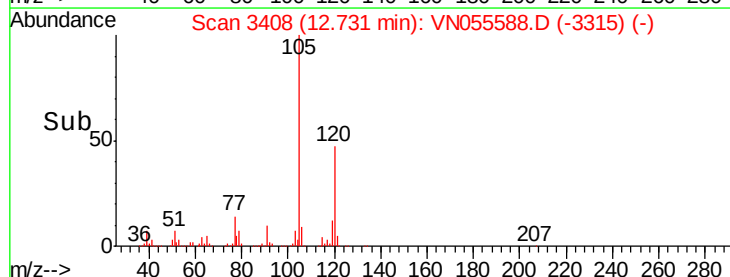
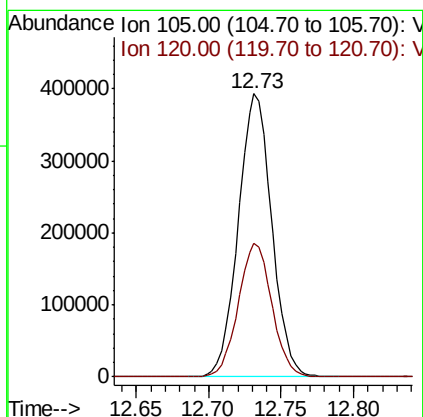
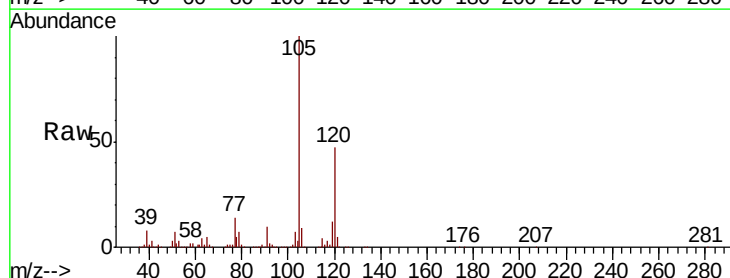
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

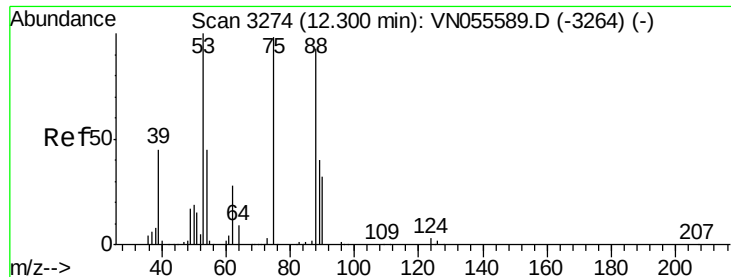
Tot Ion: 91 Resp: 521505
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.634 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion: 105 Resp: 629071
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.672 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

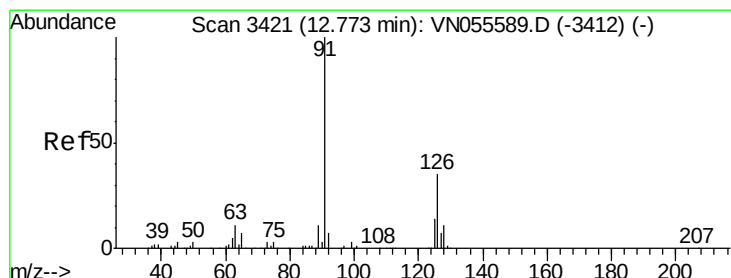
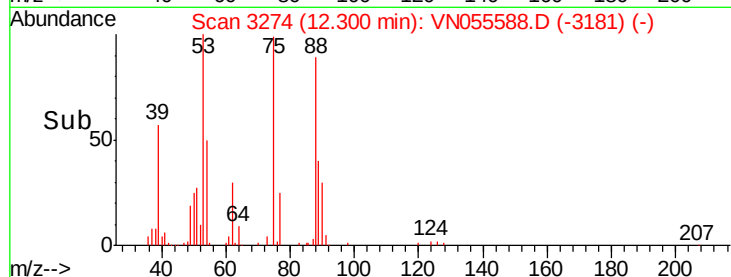
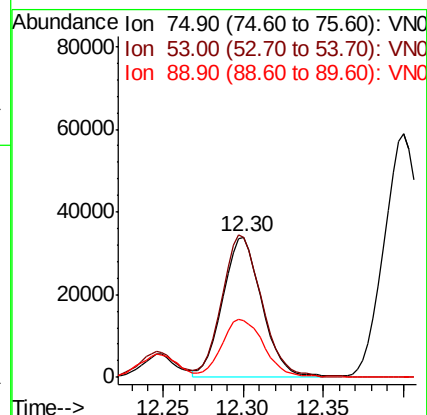
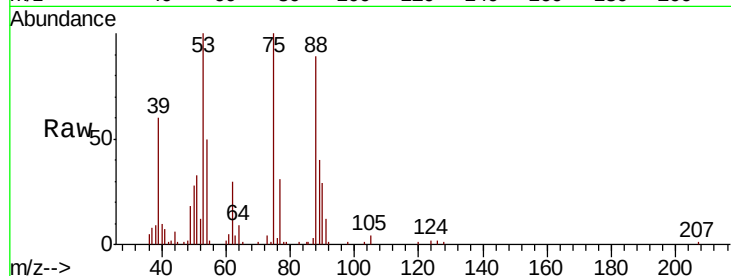
Tot Ion: 75 Resp: 57313

Ion Ratio Lower Upper

75 100

53 101.4 83.9 125.9

89 44.2 34.7 52.1



#82

4-Chlorotoluene

Concen: 19.738 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055588.D

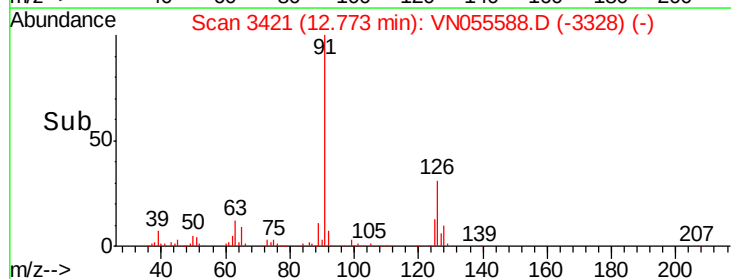
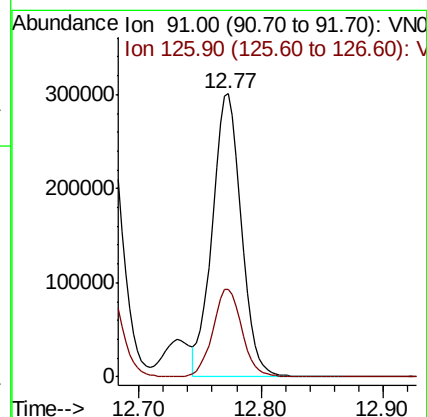
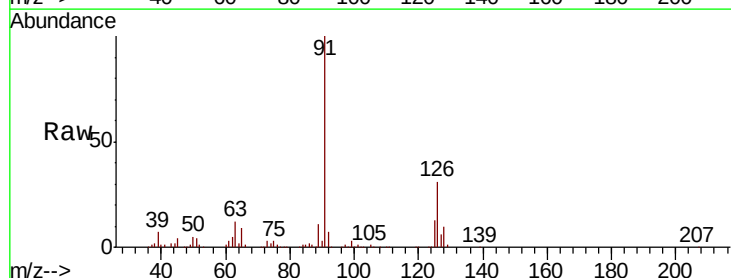
Acq: 14 May 2019 12:22

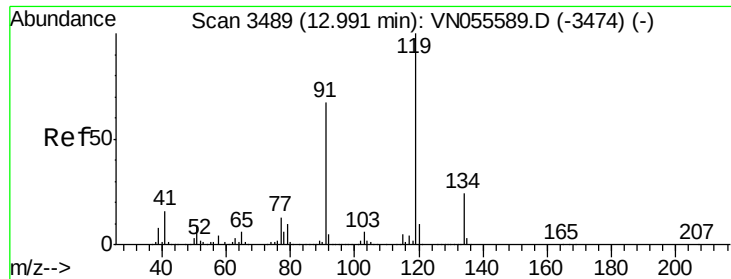
Tgt Ion: 91 Resp: 499788

Ion Ratio Lower Upper

91 100

126 31.2 16.2 48.6

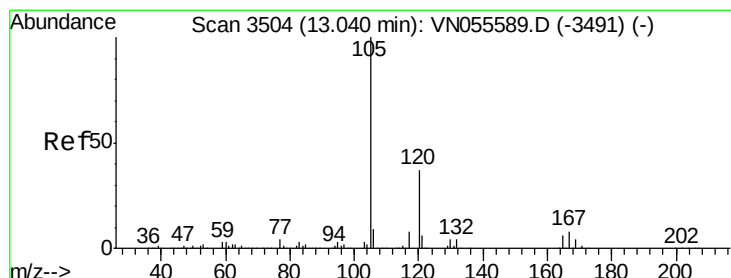
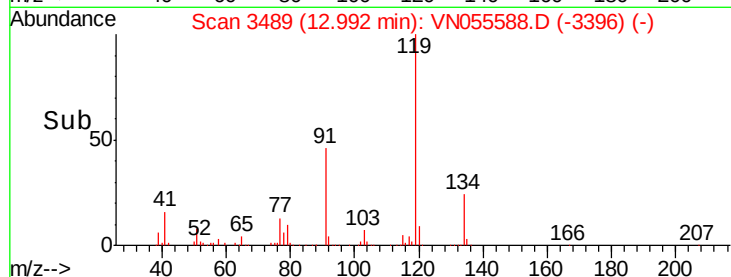
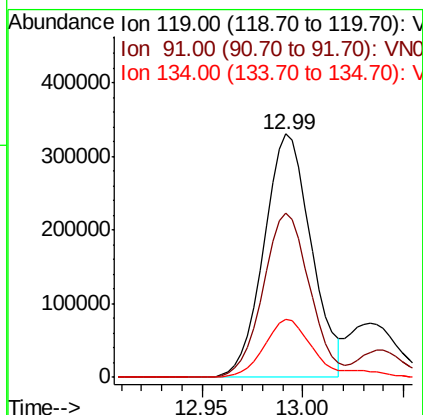
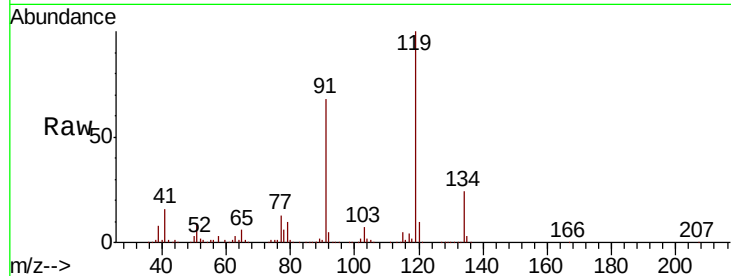




#83
 tert-Butylbenzene
 Concen: 19.617 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

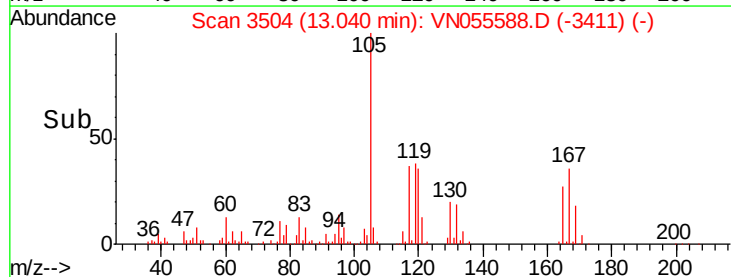
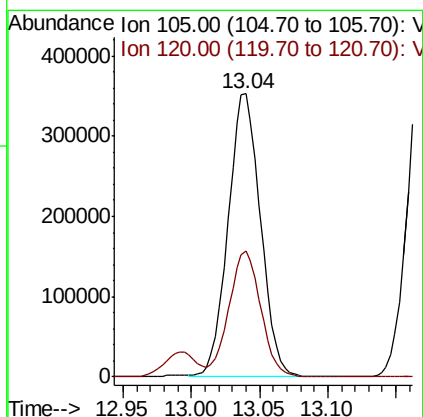
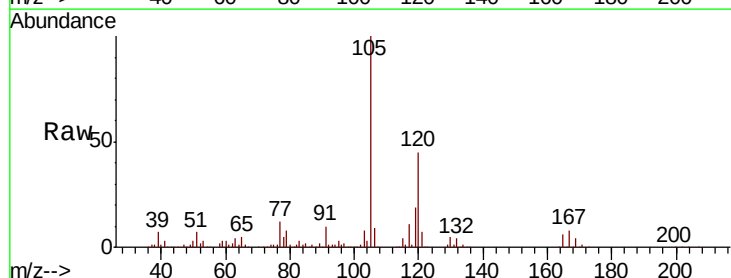
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

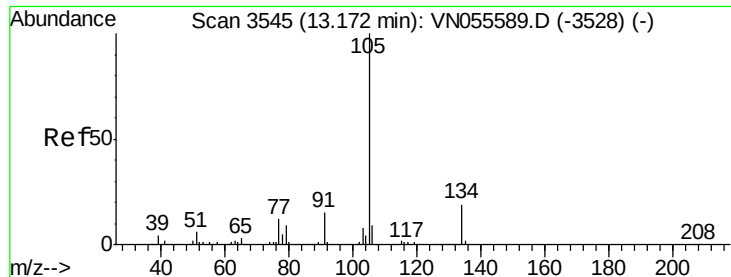
Tot Ion:119 Resp: 538130
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.5 100.4
 134 23.5 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.780 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion:105 Resp: 581034
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.186 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

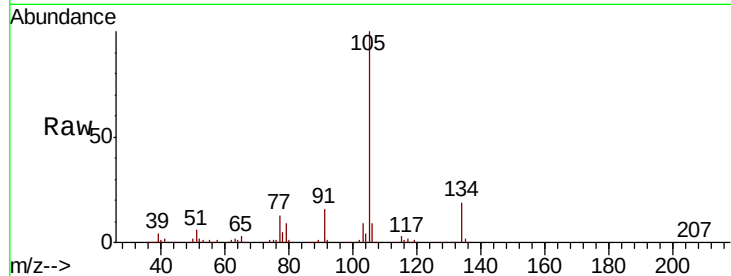
VSTDIC020

Tot Ion:105 Resp: 698533

Ion Ratio Lower Upper

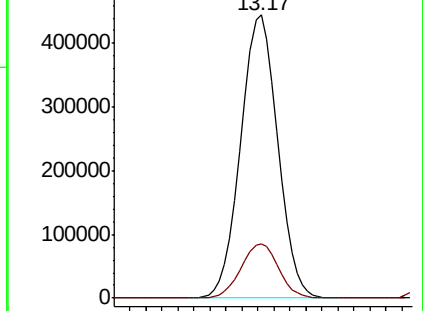
105 100

134 19.4 9.7 29.1

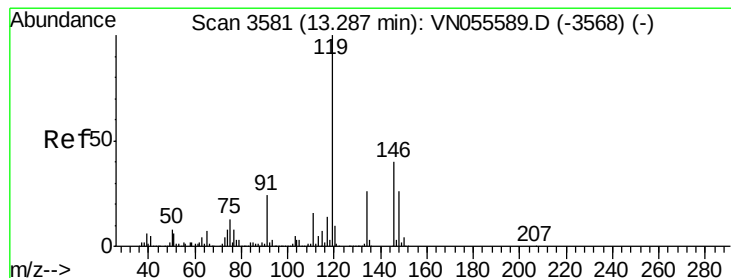
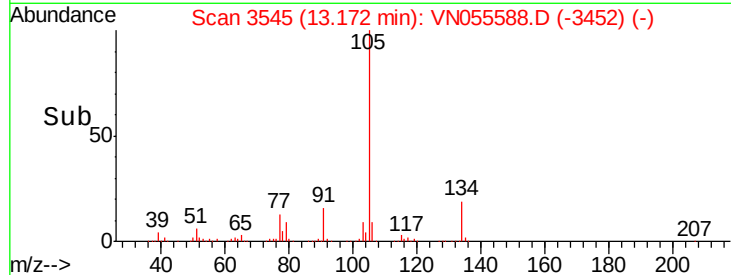


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.487 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

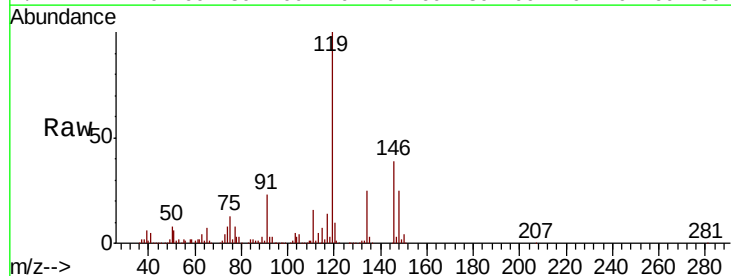
Tgt Ion:119 Resp: 577325

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

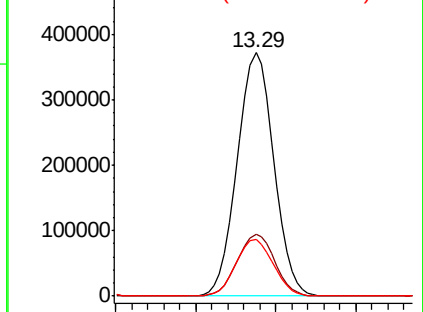
91 23.7 11.9 35.5



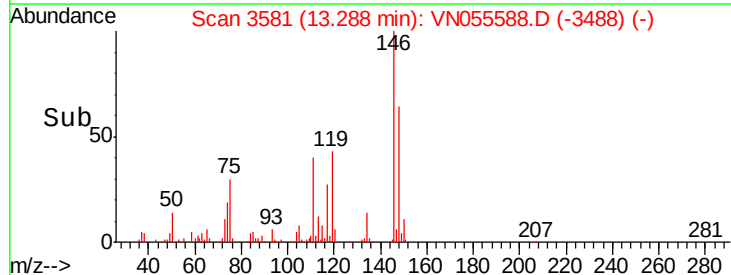
Abundance Ion 119.00 (118.70 to 119.70): V

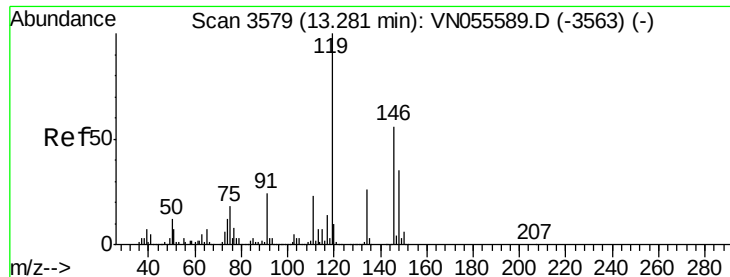
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.221 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

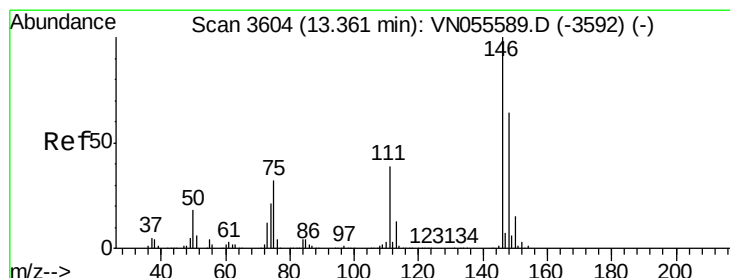
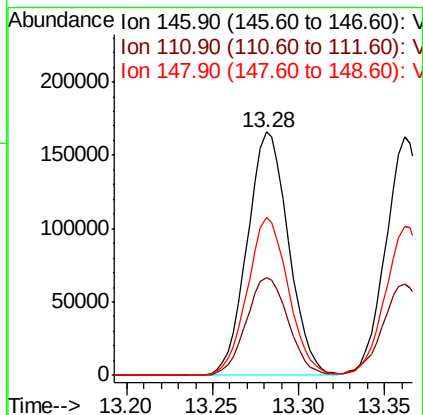
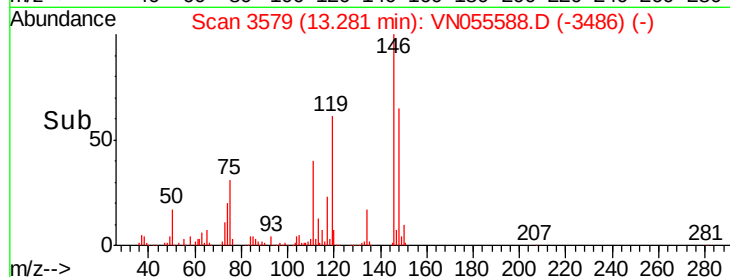
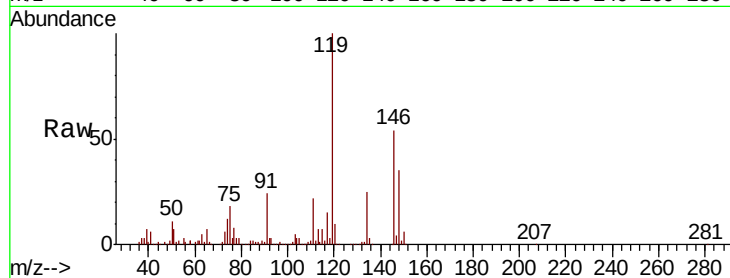
Tot Ion:146 Resp: 276680

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.5

148 64.5 32.3 96.9



#88

1,4-Dichlorobenzene

Concen: 19.918 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

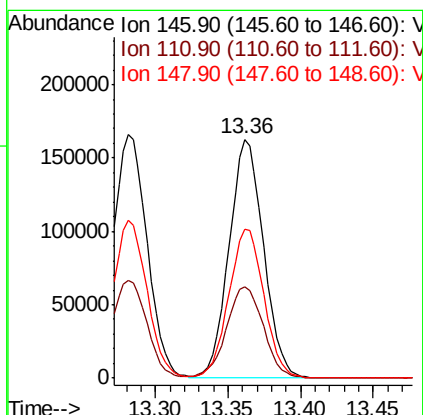
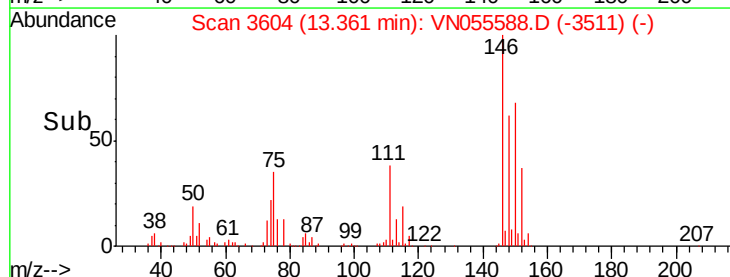
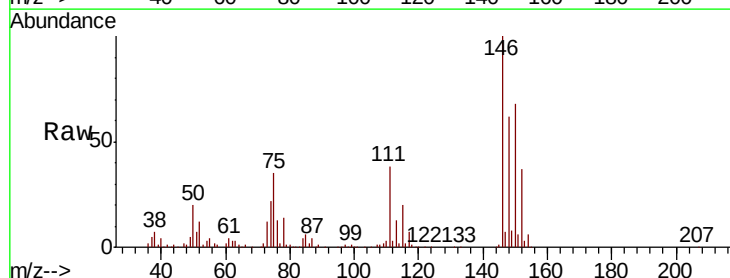
Tgt Ion:146 Resp: 269283

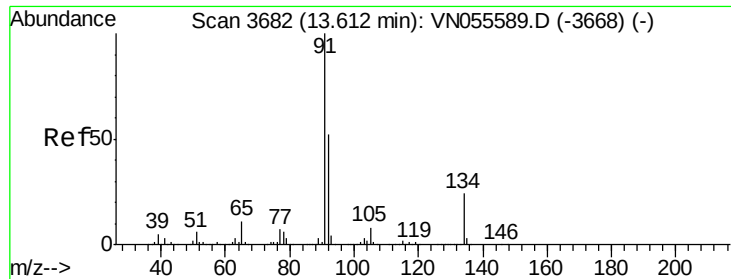
Ion Ratio Lower Upper

146 100

111 40.6 19.7 59.0

148 63.6 31.8 95.4

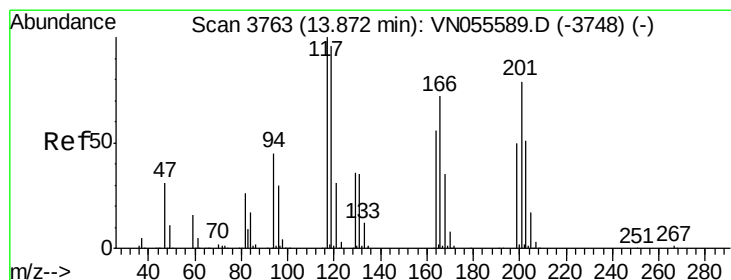
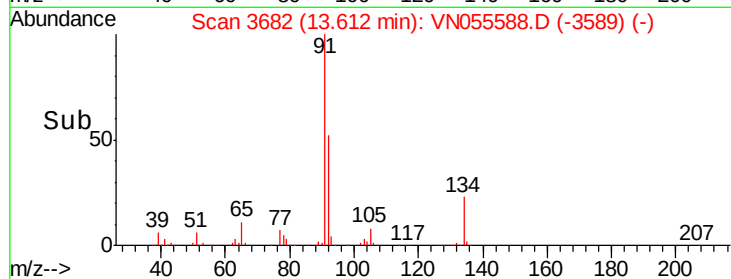
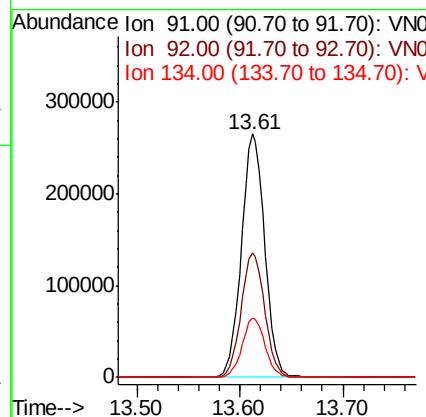
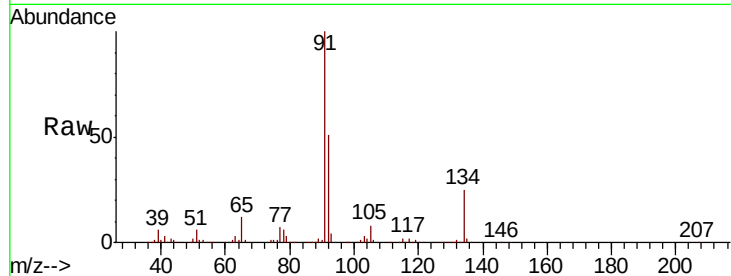




#89
n-Butylbenzene
Concen: 18.318 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

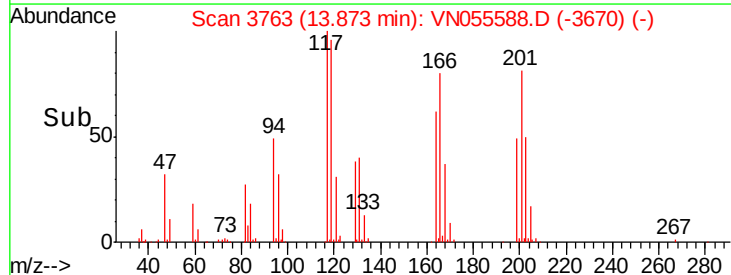
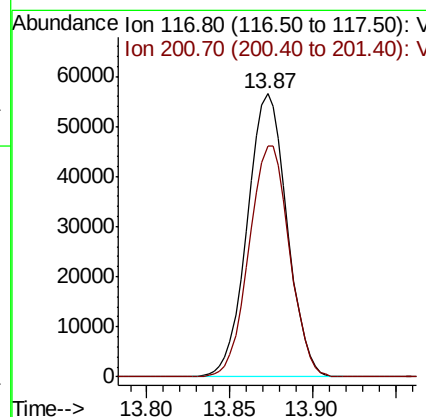
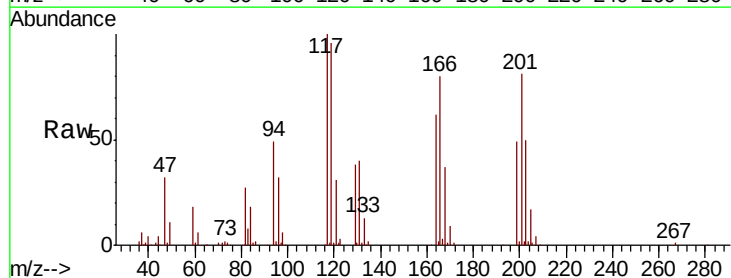
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

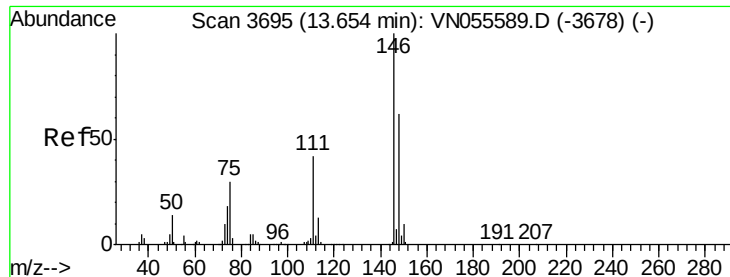
Tot Ion: 91 Resp: 416484
Ion Ratio Lower Upper
91 100
92 51.7 25.9 77.8
134 23.8 12.2 36.4



#90
Hexachloroethane
Concen: 19.479 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055588.D
Acq: 14 May 2019 12:22

Tgt Ion: 117 Resp: 94263
Ion Ratio Lower Upper
117 100
201 82.8 40.6 121.8

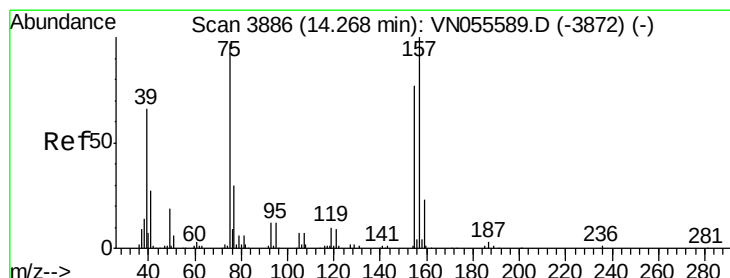
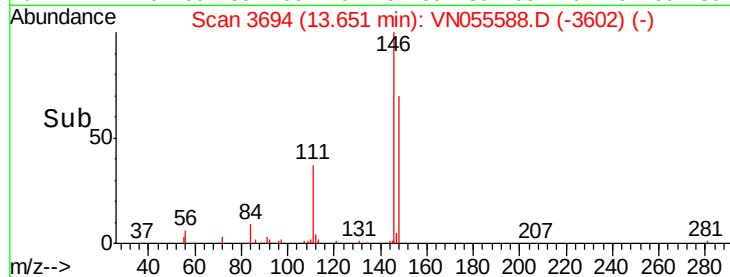
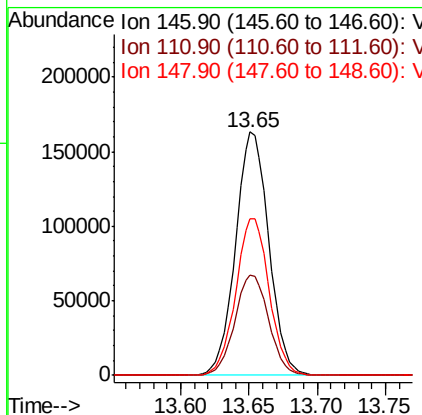
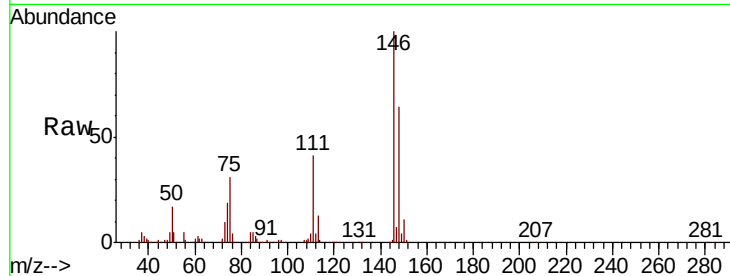




#91
 1,2-Dichlorobenzene
 Concen: 20.154 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

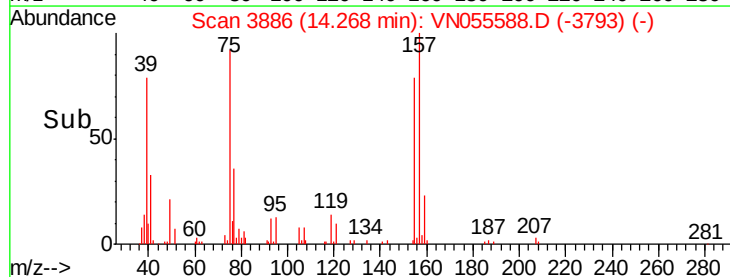
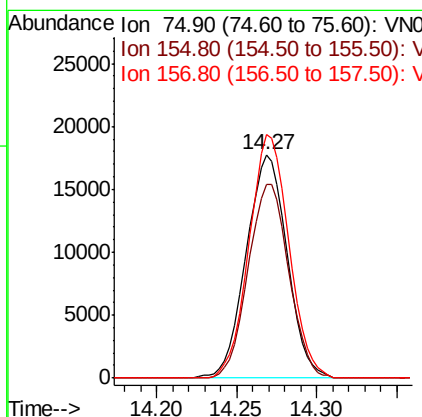
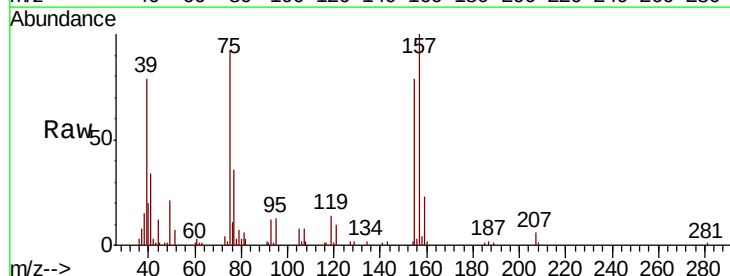
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

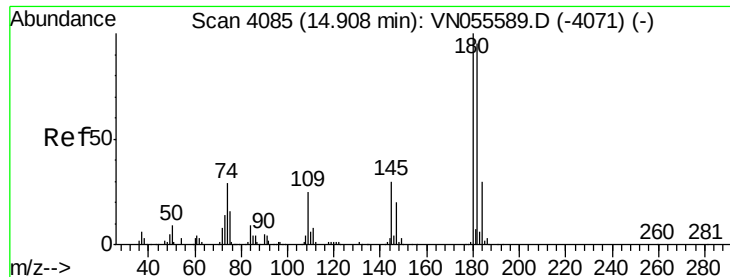
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.6	31.3	93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.141 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	40.4	121.1
157	106.1	52.1	156.4

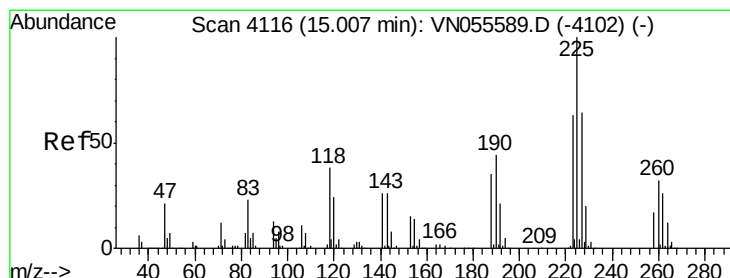
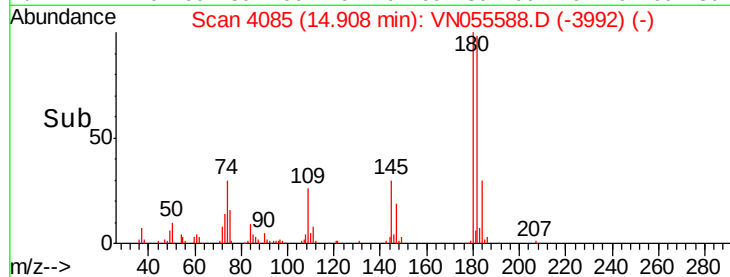
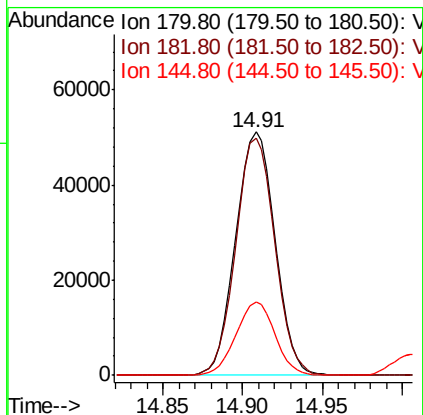
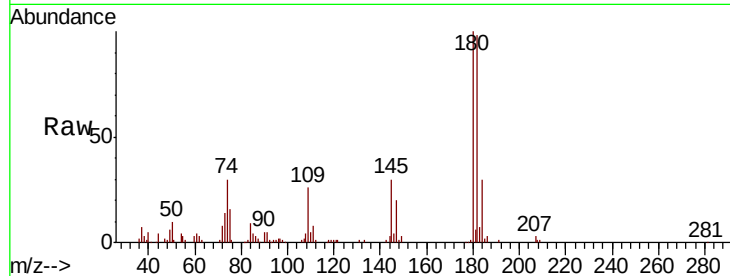




#93
 1,2,4-Trichlorobenzene
 Concen: 18.485 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

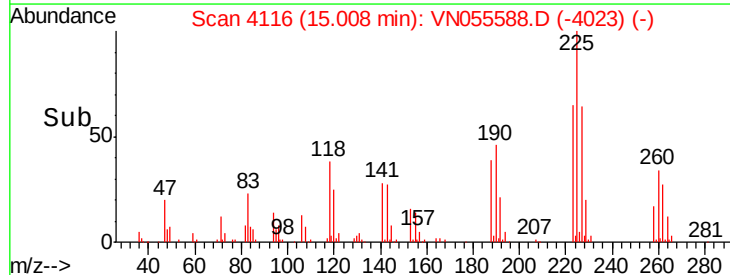
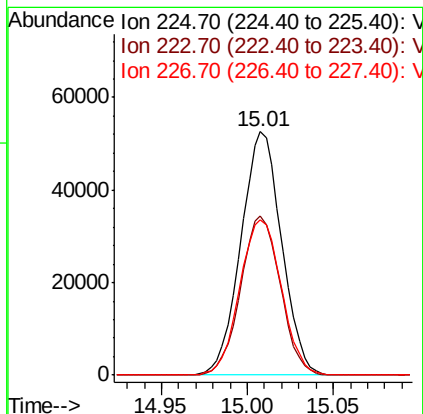
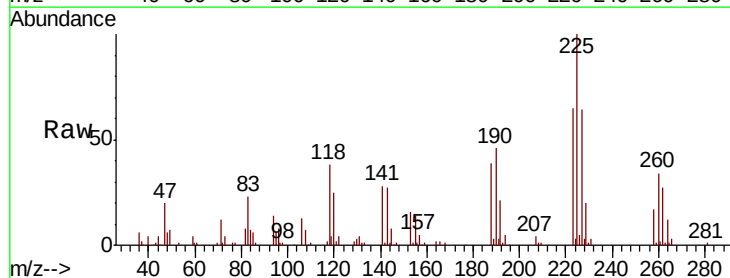
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

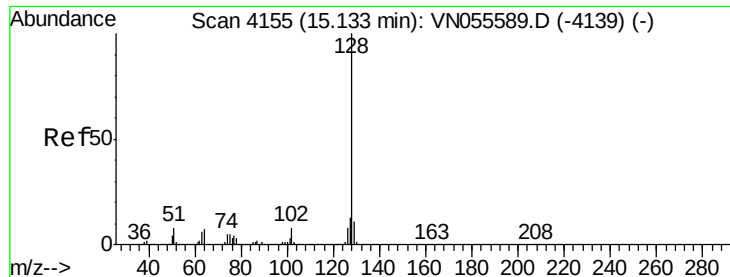
Tot Ion:180 Resp: 85603
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.4 142.3
 145 29.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 17.639 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055588.D
 Acq: 14 May 2019 12:22

Tgt Ion:225 Resp: 86507
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 95.0
 227 65.3 32.4 97.0





#95

Naphthalene

Concen: 17.353 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

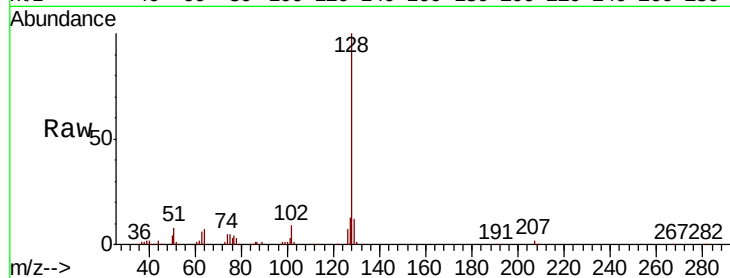
Tot Ion:128 Resp: 234814

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

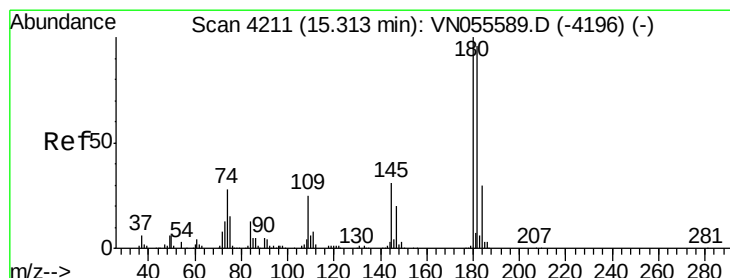
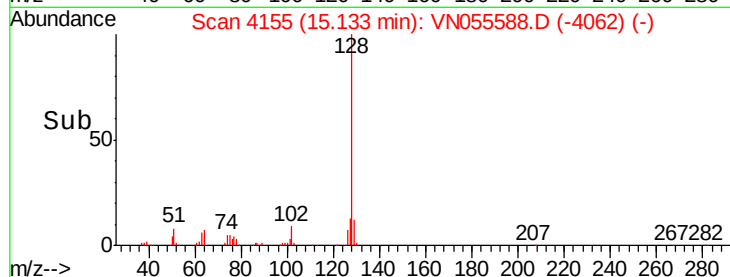
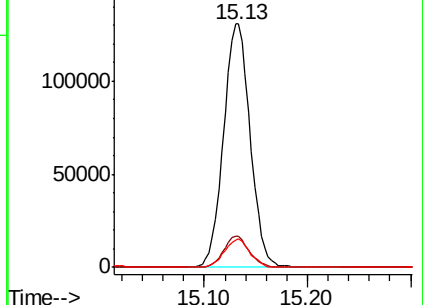
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.824 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055588.D

Acq: 14 May 2019 12:22

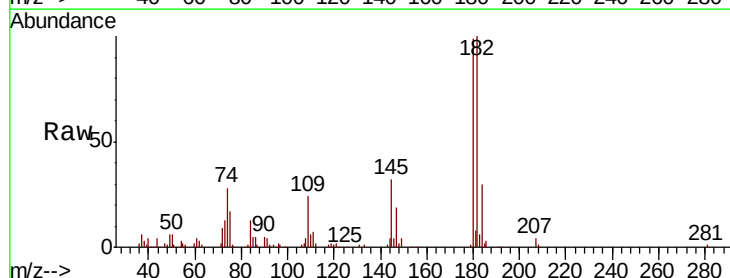
Tgt Ion:180 Resp: 96771

Ion Ratio Lower Upper

180 100

182 97.7 47.9 143.6

145 31.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

