

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058401.D
 Acq On : 27 Sep 2019 11:55
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 27 23:05:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	139300	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
35) Dibromofluoromethane	7.57	113	98391	20.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.48%	
50) Toluene-d8	10.09	98	388489	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
62) 4-Bromofluorobenzene	12.40	95	134876	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104367	25.767	ug/l	98
3) Chloromethane	2.04	50	110894	28.128	ug/l	98
4) Vinyl Chloride	2.17	62	111123	27.566	ug/l	98
5) Bromomethane	2.53	94	58108	28.233	ug/l	92
6) Chloroethane	2.68	64	68409	26.193	ug/l	96
7) Trichlorofluoromethane	3.00	101	134389	24.440	ug/l	99
8) Diethyl Ether	3.39	74	59310	24.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93284	23.883	ug/l	99
10) Methyl Iodide	3.93	142	96162	27.032	ug/l	98
11) Tert butyl alcohol	4.76	59	77512	101.980	ug/l	96
12) 1,1-Dichloroethene	3.72	96	90362	26.352	ug/l	97
13) Acrolein	3.58	56	21948	164.598	ug/l	97
14) Allyl chloride	4.30	41	160608	24.803	ug/l	99
15) Acrylonitrile	4.96	53	230282	111.554	ug/l	99
16) Acetone	3.79	43	251732	113.041	ug/l	98
17) Carbon Disulfide	4.03	76	224295	36.225	ug/l	98
18) Methyl Acetate	4.30	43	111060	19.292	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	314858	21.935	ug/l	98
20) Methylene Chloride	4.53	84	106230	23.820	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	99396	26.725	ug/l	99
22) Diisopropyl ether	5.93	45	345782	21.893	ug/l	96
23) Vinyl Acetate	5.87	43	1403479	126.382	ug/l	99
24) 1,1-Dichloroethane	5.82	63	196789	22.964	ug/l	98
25) 2-Butanone	6.82	43	332033	110.338	ug/l	100
26) 2,2-Dichloropropane	6.81	77	162398	22.405	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	115097	23.609	ug/l	99
28) Bromochloromethane	7.18	49	81427	20.931	ug/l	98
29) Tetrahydrofuran	7.19	42	205615	109.786	ug/l	99
30) Chloroform	7.36	83	198355	21.775	ug/l	97
31) Cyclohexane	7.64	56	189013	27.496	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	162290	23.105	ug/l	99
36) 1,1-Dichloropropene	7.78	75	151063	25.076	ug/l	99
37) Ethyl Acetate	6.91	43	136148	22.792	ug/l	99
38) Carbon Tetrachloride	7.76	117	137726	23.277	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175505	26.968	ug/l	100
40) Benzene	8.03	78	435274	24.090	ug/l	99
41) Methacrylonitrile	7.16	41	69249	24.539	ug/l	90
42) 1,2-Dichloroethane	8.11	62	169625	22.797	ug/l	100
43) Isopropyl Acetate	8.15	43	226669	20.430	ug/l #	91
44) Trichloroethene	8.82	130	107444	24.253	ug/l	97
45) 1,2-Dichloropropane	9.11	63	119042	22.638	ug/l	98
46) Dibromomethane	9.20	93	73642	22.847	ug/l	99
47) Bromodichloromethane	9.39	83	139173	20.977	ug/l	97
48) Methyl methacrylate	9.19	41	106356	21.140	ug/l	98
49) 1,4-Dioxane	9.19	88	29832	373.742	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	662656	113.688	ug/l	99
52) Toluene	10.15	92	270697	24.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149029	21.621	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	171350	22.455	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	100140	20.768	ug/l	98
56) Ethyl methacrylate	10.43	69	151737	21.660	ug/l	98
57) 1,3-Dichloropropane	10.71	76	178834	21.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	313079	97.642	ug/l	100
59) 2-Hexanone	10.75	43	484026	112.089	ug/l	99
60) Dibromochloromethane	10.90	129	93938	20.239	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104035	22.816	ug/l	99
64) Tetrachloroethene	10.63	164	88791	24.887	ug/l	98
65) Chlorobenzene	11.43	112	276538	22.142	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	93322	20.929	ug/l	98
67) Ethyl Benzene	11.51	91	521566	24.172	ug/l	100
68) m/p-Xylenes	11.62	106	380783	46.795	ug/l	99
69) o-Xylene	11.95	106	185766	23.338	ug/l	100
70) Styrene	11.97	104	302048	22.266	ug/l	99
71) Bromoform	12.13	173	54374	19.369	ug/l #	100
73) Isopropylbenzene	12.25	105	499354	24.339	ug/l	100
74) N-amyl acetate	12.07	43	190727	22.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144688	21.610	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	178765	31.063	ug/l #	100
77) Bromobenzene	12.53	156	112764	22.043	ug/l	99
78) n-propylbenzene	12.60	91	568282	24.359	ug/l	100
79) 2-Chlorotoluene	12.68	91	333675	23.012	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	416437	24.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36599	20.675	ug/l	91
82) 4-Chlorotoluene	12.78	91	346803	22.872	ug/l	100
83) tert-Butylbenzene	13.00	119	347486	22.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	417114	24.225	ug/l	99
85) sec-Butylbenzene	13.18	105	460865	23.076	ug/l	99
86) p-Isopropyltoluene	13.29	119	405226	22.874	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	202697	21.850	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	200653	21.248	ug/l	98
89) n-Butylbenzene	13.62	91	363738	21.959	ug/l	98
90) Hexachloroethane	13.88	117	59696	21.765	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	199766	21.651	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25950	21.573	ug/l	91

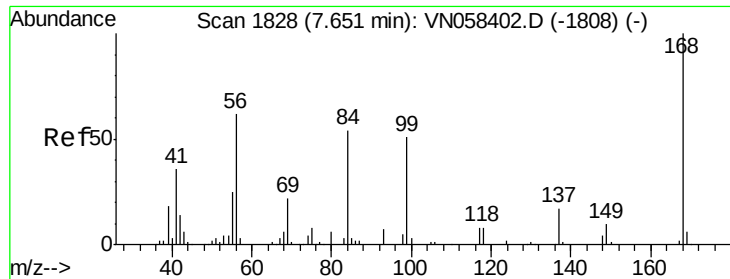
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109397	18.846	ug/l	100
94) Hexachlorobutadiene	15.02	225	54627	19.437	ug/l	99
95) Naphthalene	15.13	128	283335	18.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98237	18.019	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

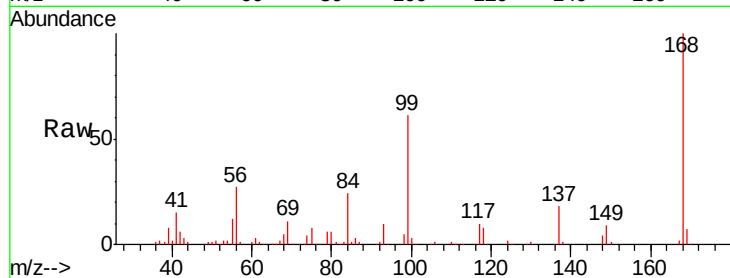
VSTDIC020

Tgt Ion:168 Resp: 459613

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

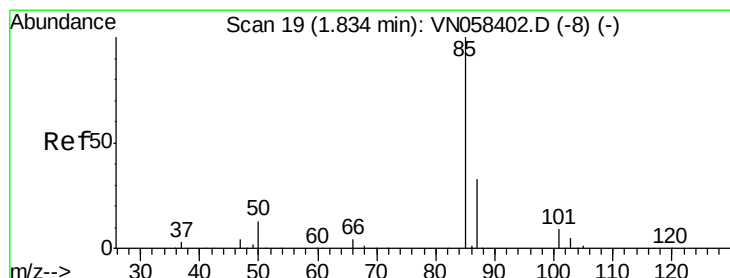
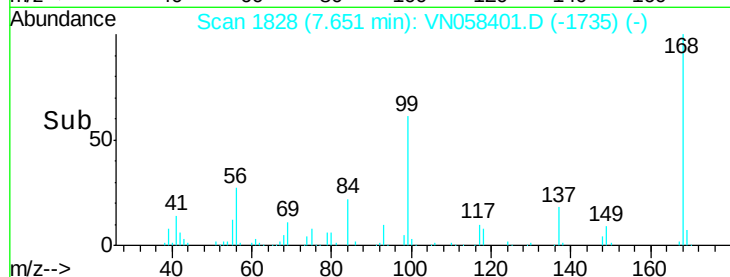
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 25.767 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058401.D

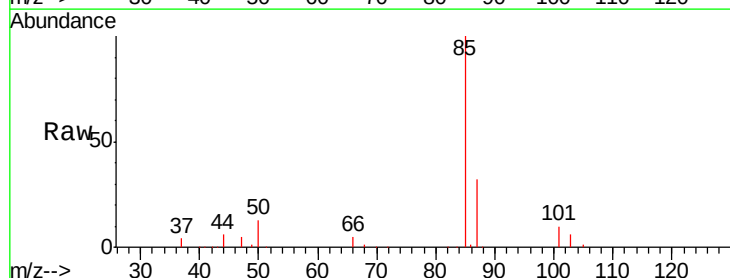
Acq: 27 Sep 2019 11:55

Tgt Ion: 85 Resp: 104367

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

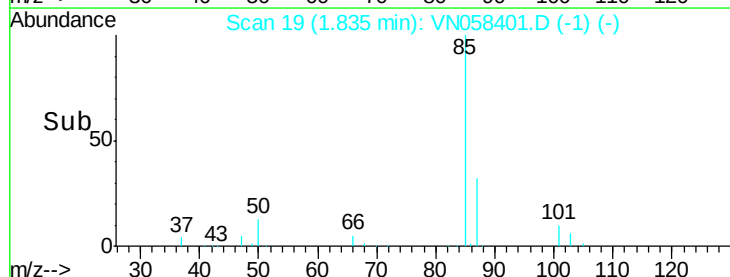
40000

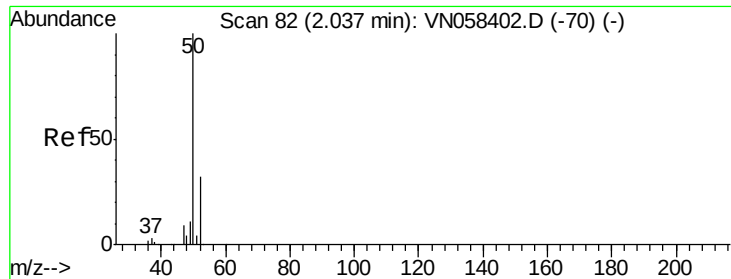
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 28.128 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

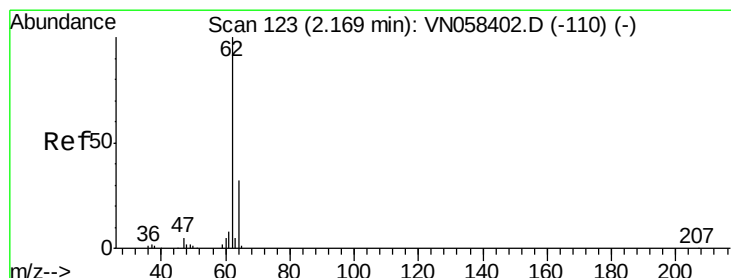
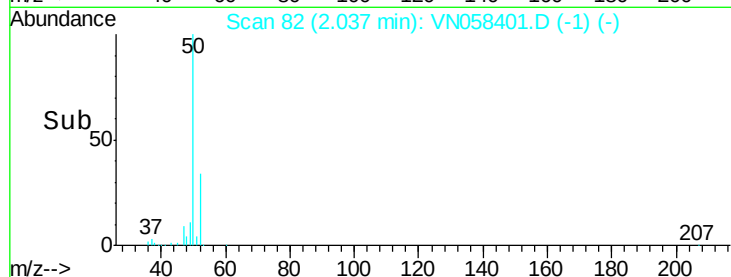
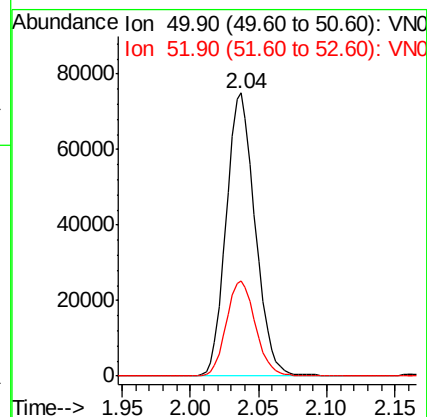
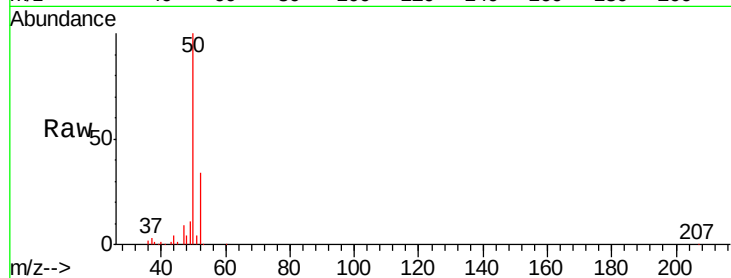
VSTDIC020

Tgt Ion: 50 Resp: 110894

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



#4

Vinyl Chloride

Concen: 27.566 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058401.D

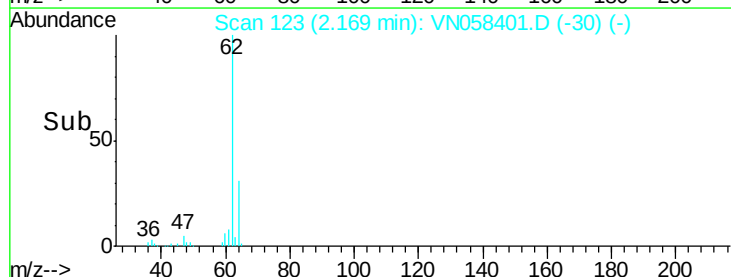
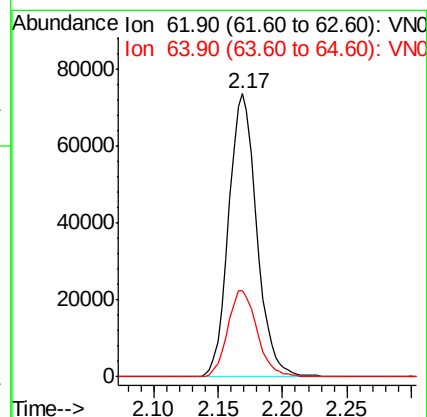
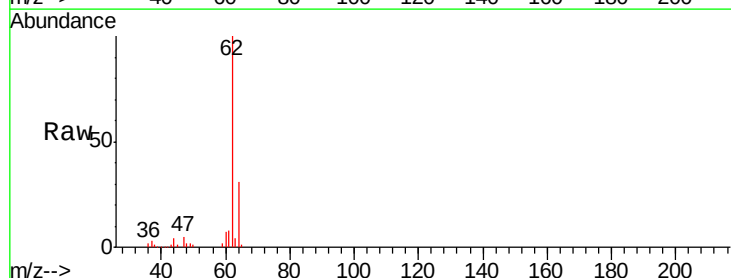
Acq: 27 Sep 2019 11:55

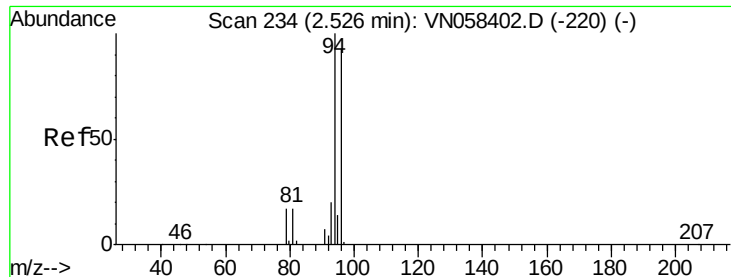
Tgt Ion: 62 Resp: 111123

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 28.233 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

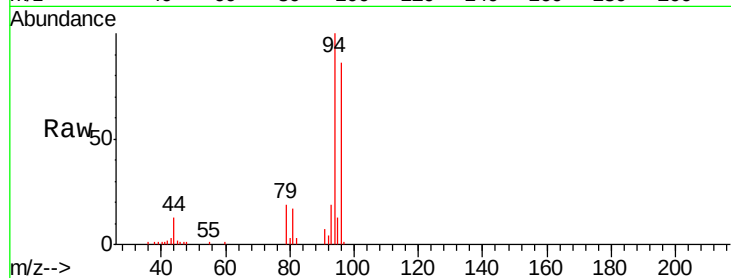
VSTDIC020

Tgt Ion: 94 Resp: 58108

Ion Ratio Lower Upper

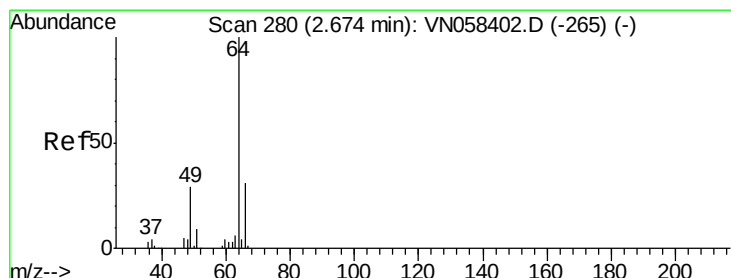
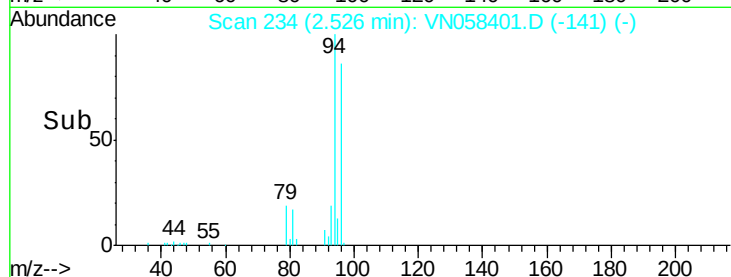
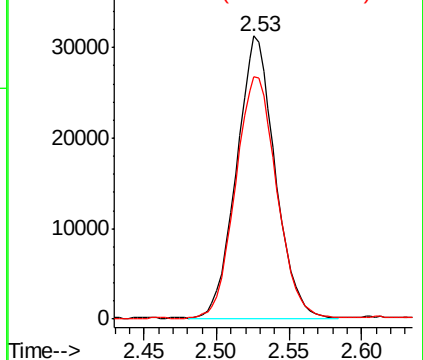
94 100

96 85.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 26.193 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN058401.D

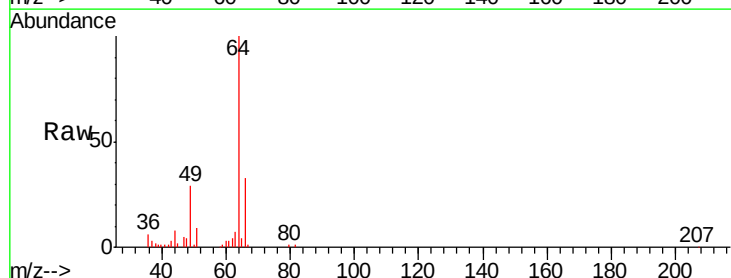
Acq: 27 Sep 2019 11:55

Tgt Ion: 64 Resp: 68409

Ion Ratio Lower Upper

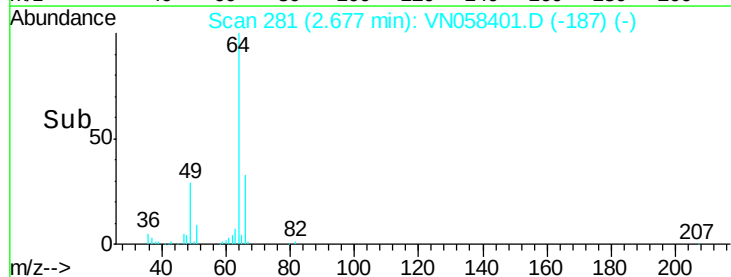
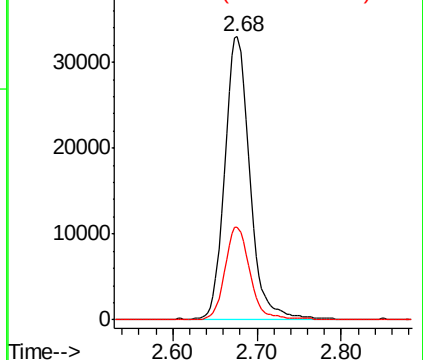
64 100

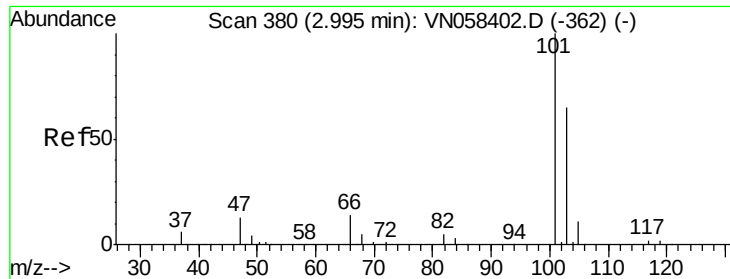
66 32.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



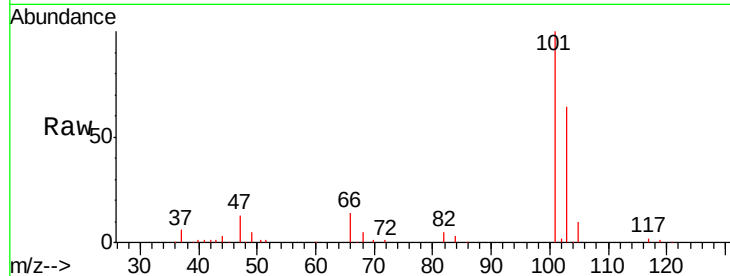


#7

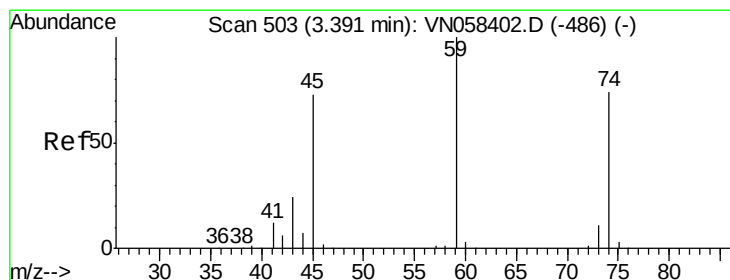
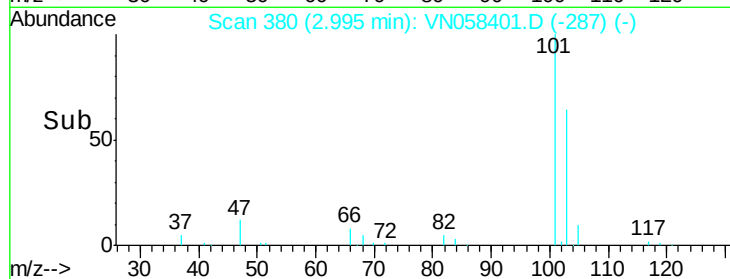
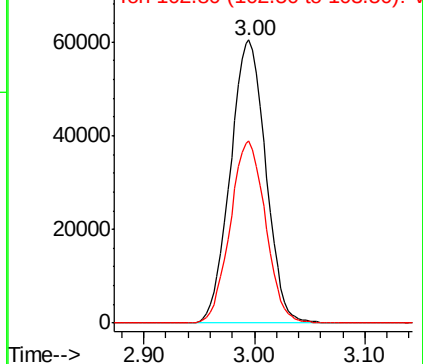
Trichlorofluoromethane
 Concen: 24.440 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Instrument :
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 ClientSampleId :
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Tgt Ion: 101 Resp: 134389
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.3 78.5



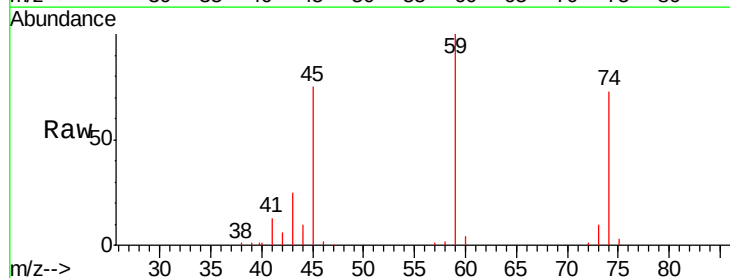
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



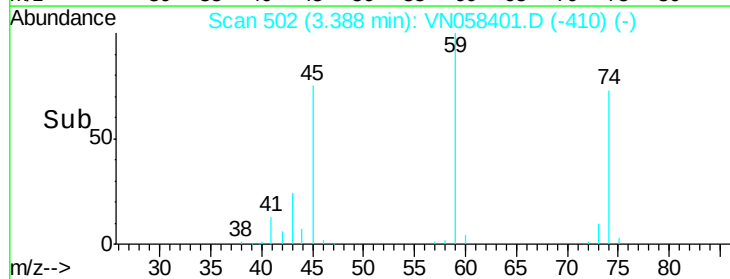
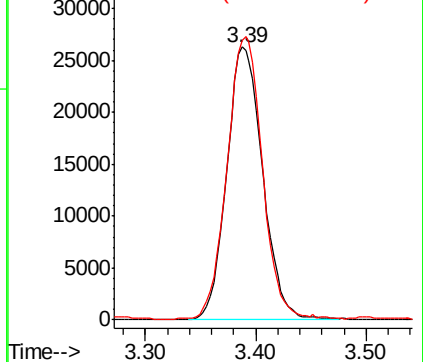
#8

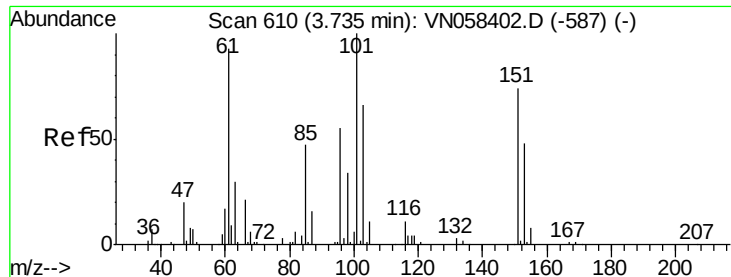
Diethyl Ether
 Concen: 24.009 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 74 Resp: 59310
 Ion Ratio Lower Upper
 74 100
 45 102.8 50.5 151.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.883 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

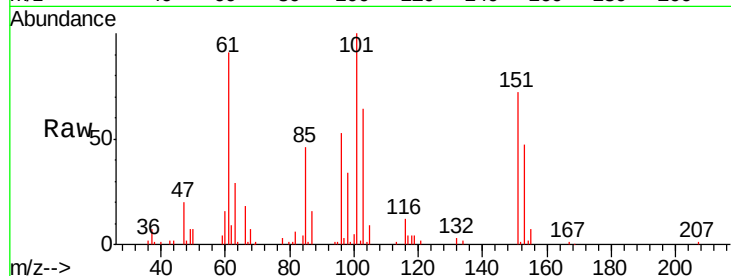
Tgt Ion:101 Resp: 93284

Ion Ratio Lower Upper

101 100

85 45.1 36.7 55.1

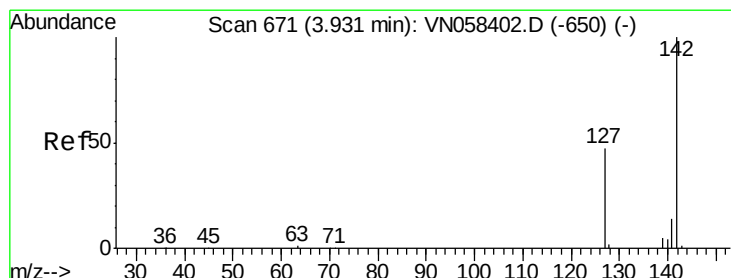
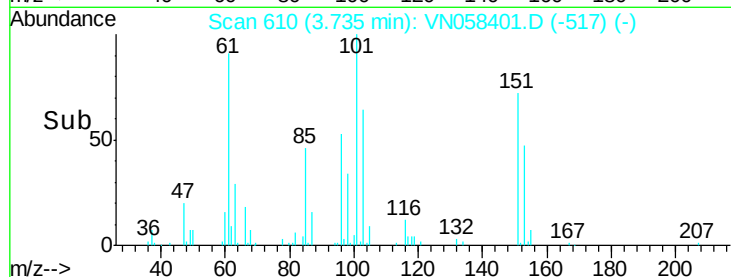
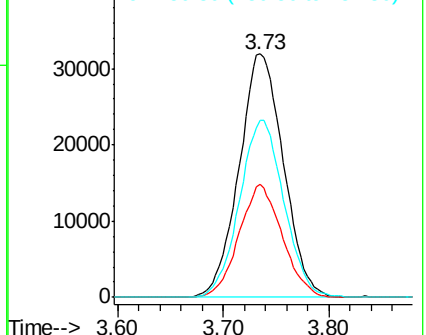
151 72.9 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.032 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

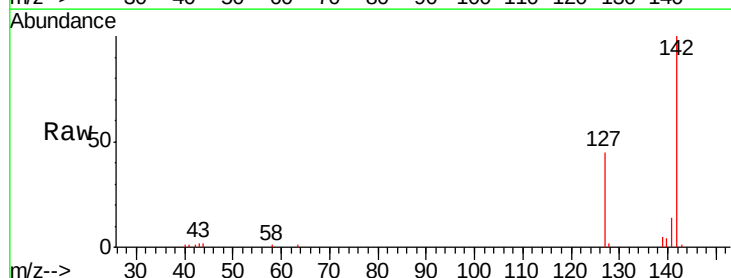
Tgt Ion:142 Resp: 96162

Ion Ratio Lower Upper

142 100

127 47.9 37.2 55.8

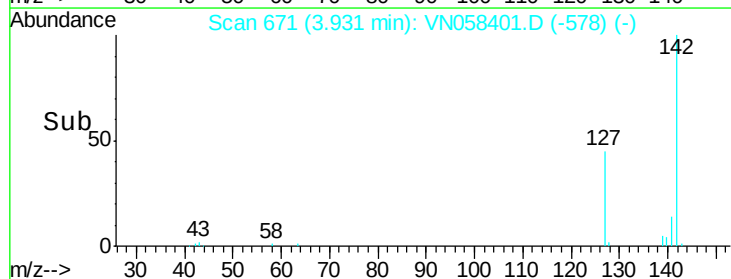
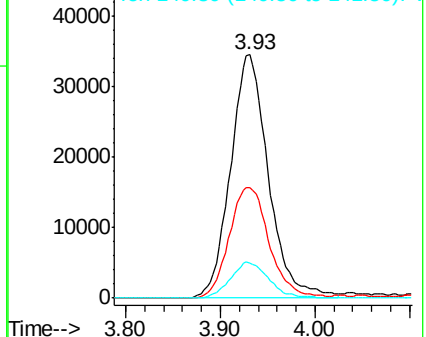
141 14.8 11.3 16.9

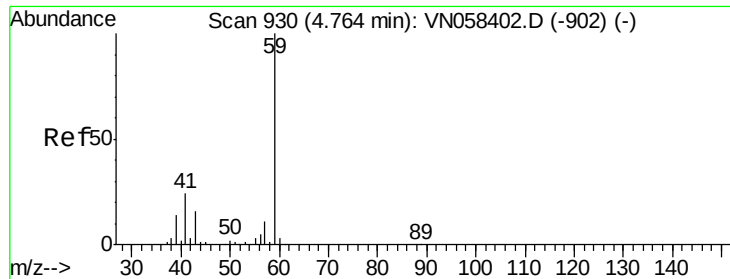


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

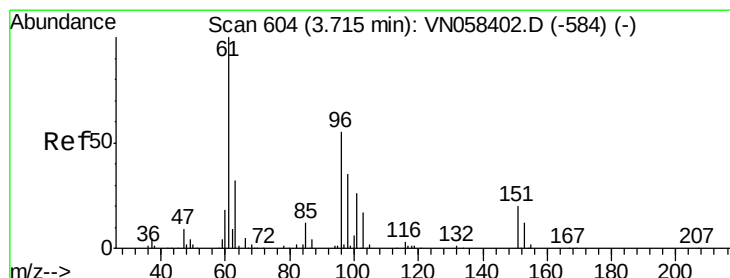
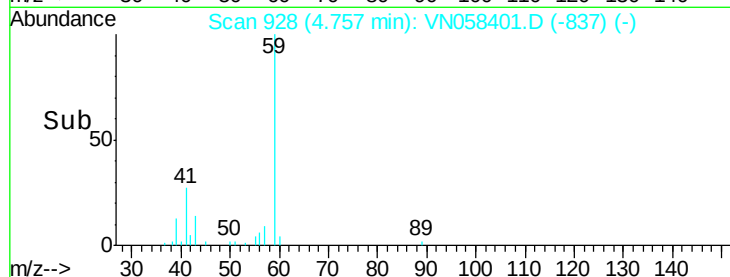
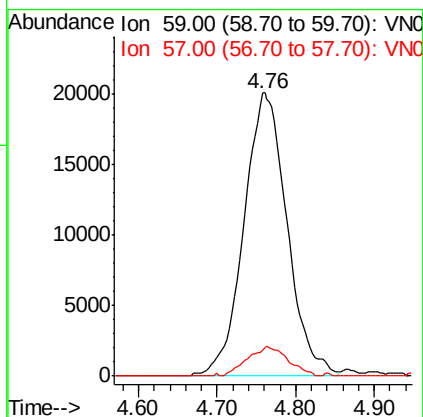
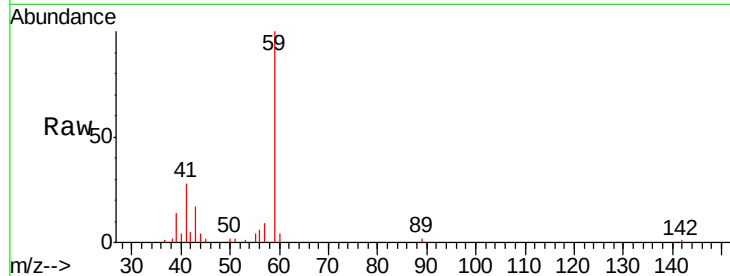




#11
Tert butyl alcohol
Concen: 101.980 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

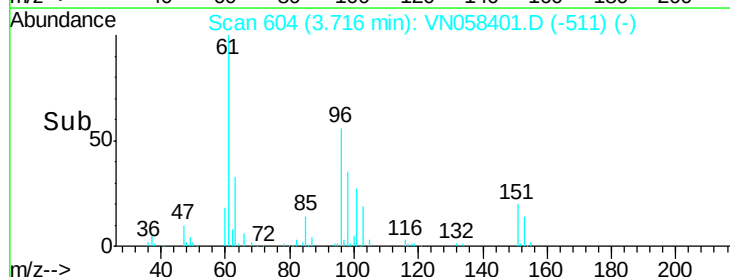
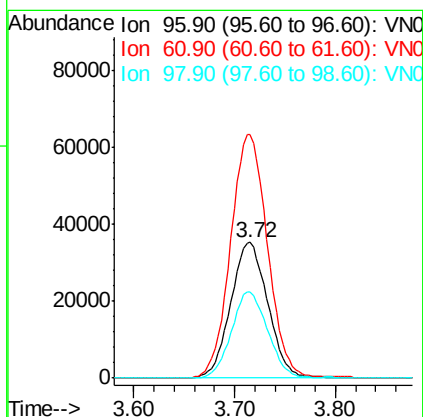
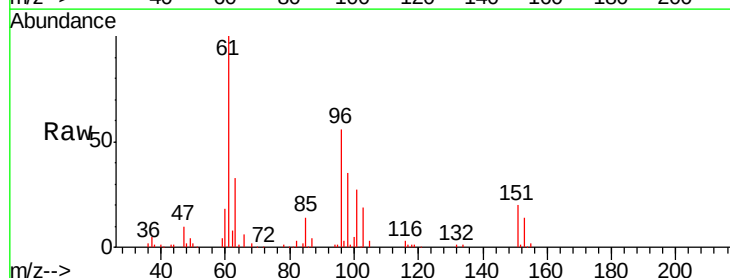
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

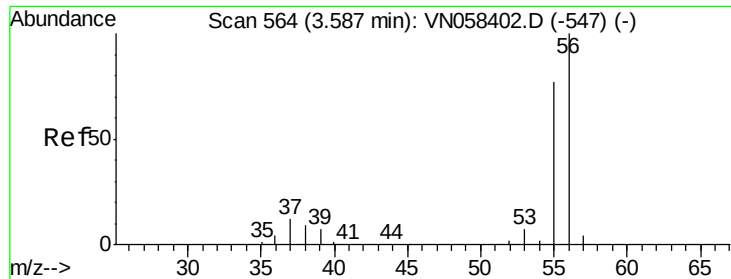
Tgt Ion: 59 Resp: 77512
Ion Ratio Lower Upper
59 100
57 9.8 9.0 13.4



#12
1,1-Dichloroethene
Concen: 26.352 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 96 Resp: 90362
Ion Ratio Lower Upper
96 100
61 179.0 146.7 220.1
98 63.1 51.3 76.9

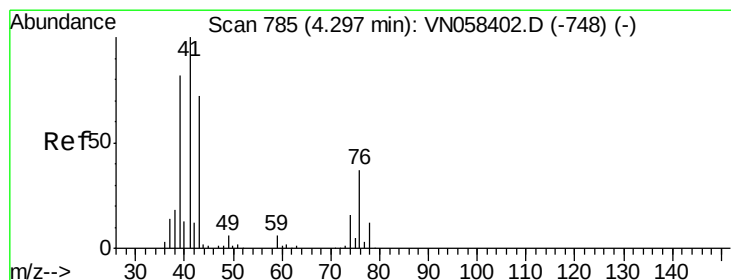
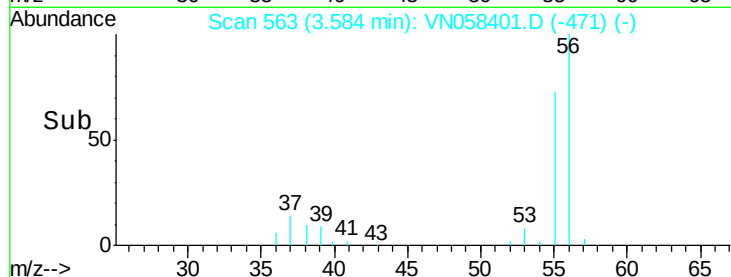
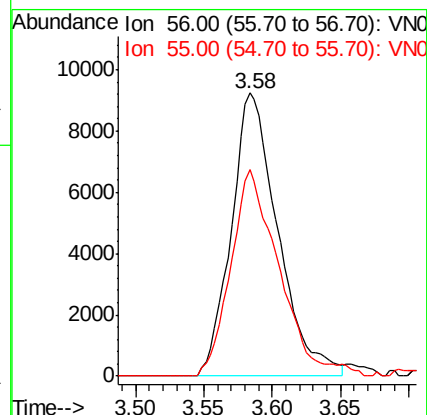
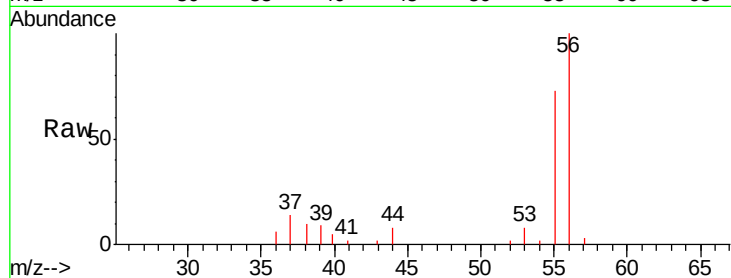




#13
 Acrolein
 Concen: 164.598 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

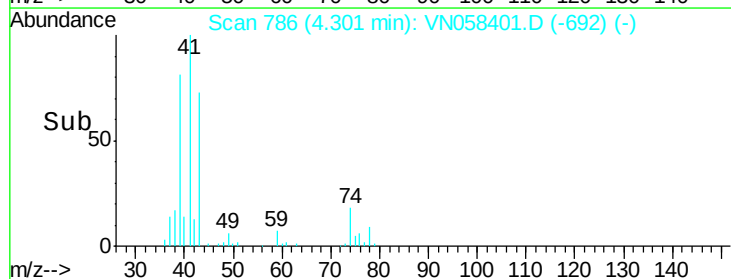
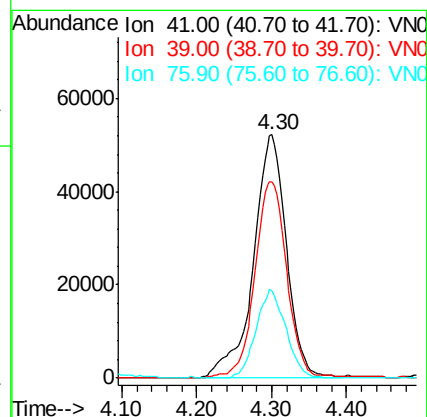
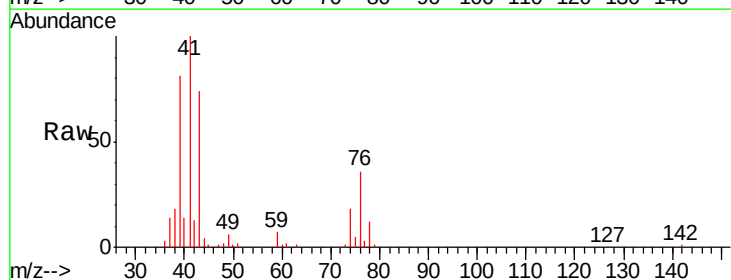
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

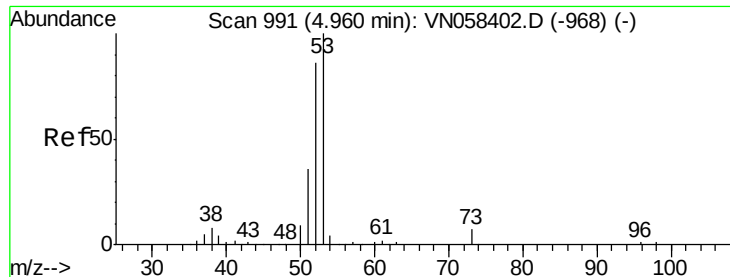
Tgt Ion: 56 Resp: 21948
 Ion Ratio Lower Upper
 56 100
 55 75.5 58.3 87.5



#14
 Allyl chloride
 Concen: 24.803 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 41 Resp: 160608
 Ion Ratio Lower Upper
 41 100
 39 78.5 62.3 93.5
 76 32.9 26.9 40.3





#15

Acrylonitrile

Concen: 111.554 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

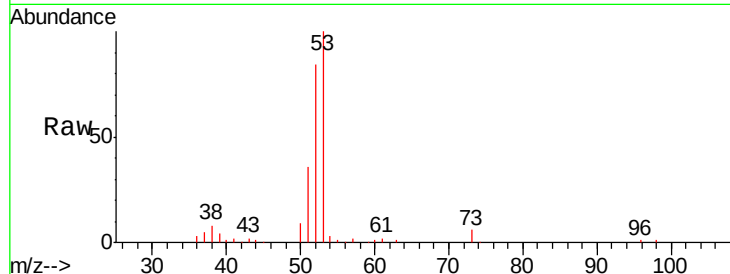
Tgt Ion: 53 Resp: 230282

Ion Ratio Lower Upper

53 100

52 83.9 66.6 100.0

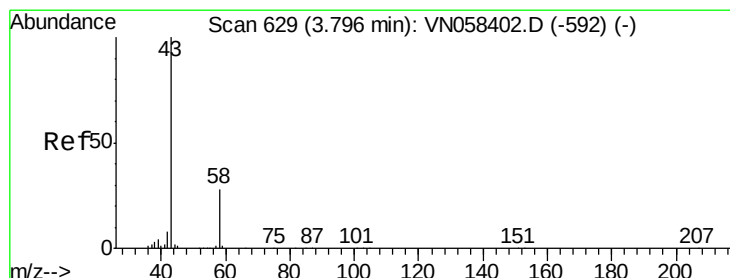
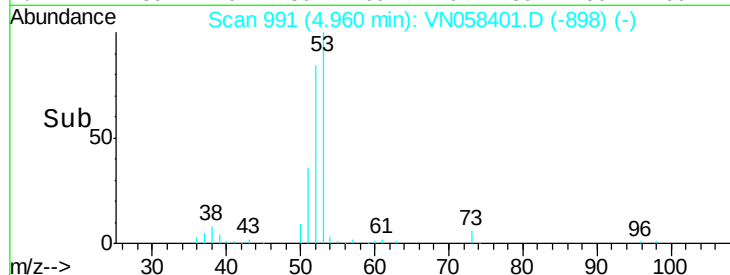
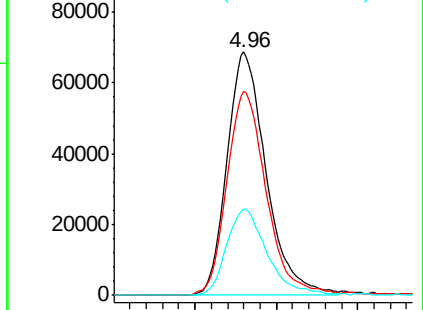
51 36.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 113.041 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058401.D

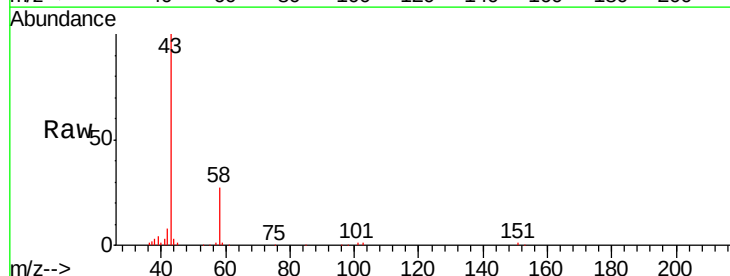
Acq: 27 Sep 2019 11:55

Tgt Ion: 43 Resp: 251732

Ion Ratio Lower Upper

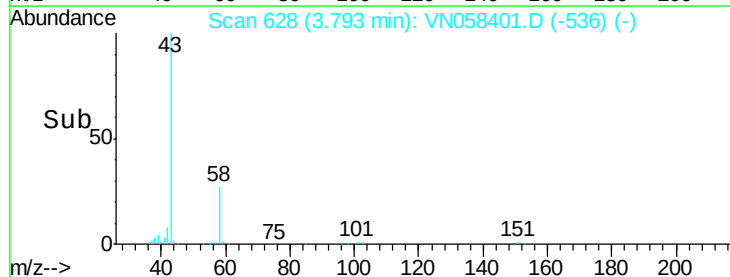
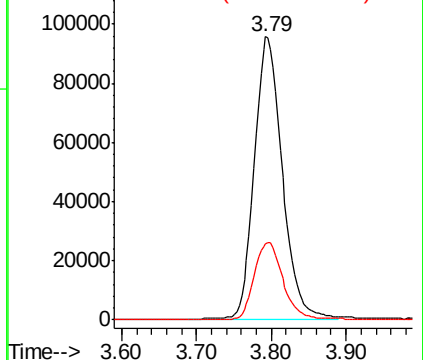
43 100

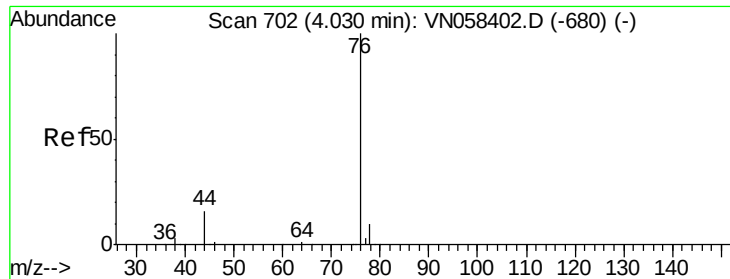
58 26.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

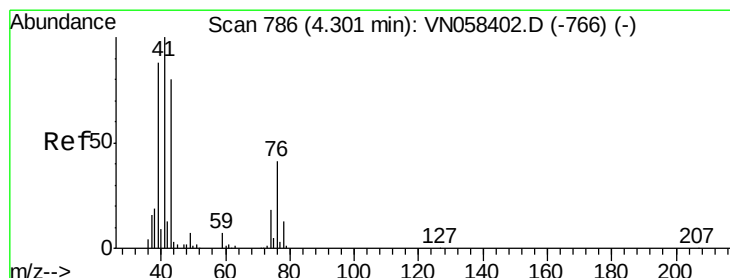
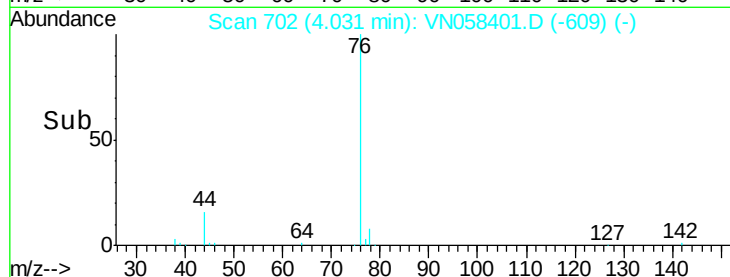
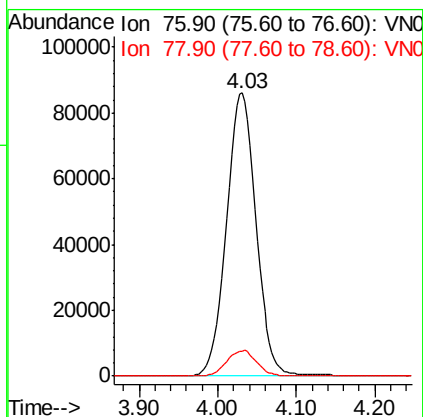
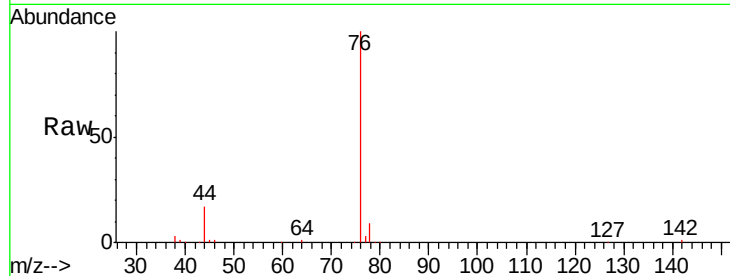




#17
Carbon Disulfide
Concen: 36.225 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

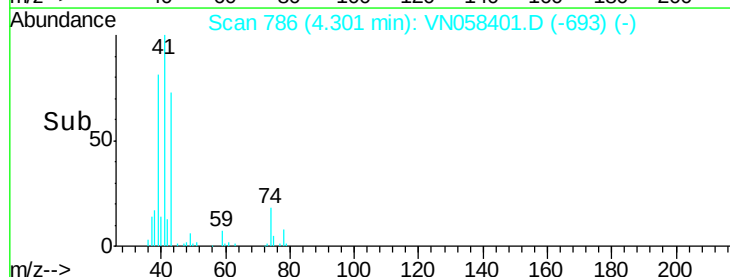
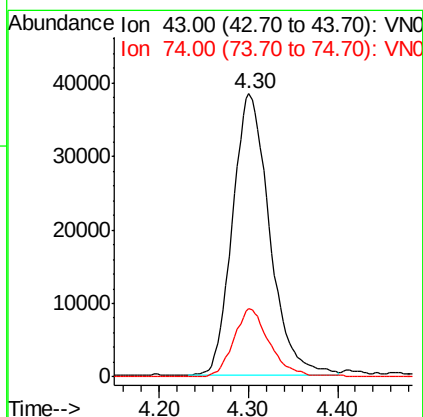
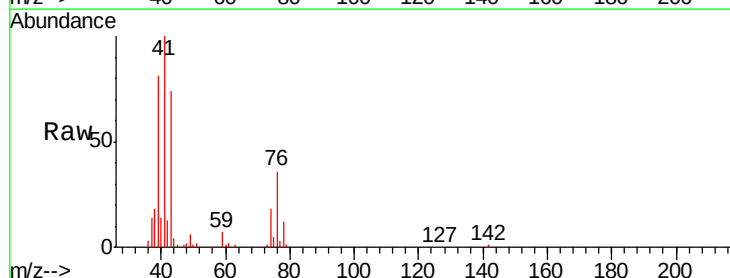
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

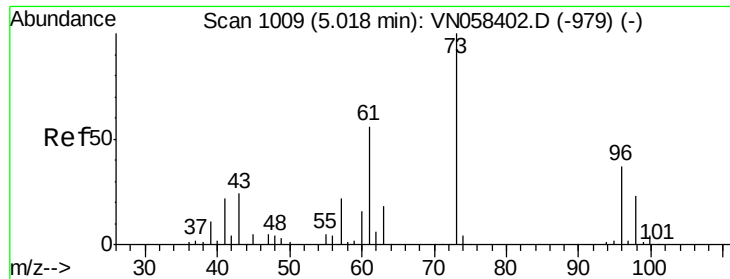
Tgt Ion: 76 Resp: 224295
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#18
Methyl Acetate
Concen: 19.292 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 43 Resp: 111060
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0

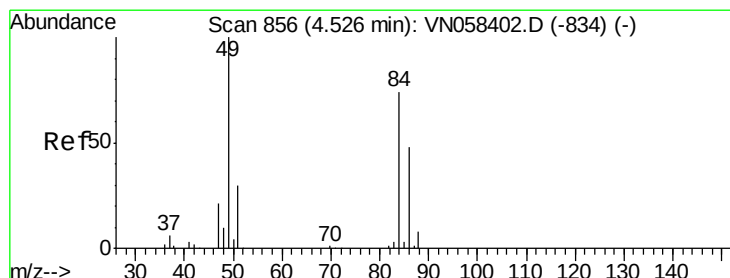
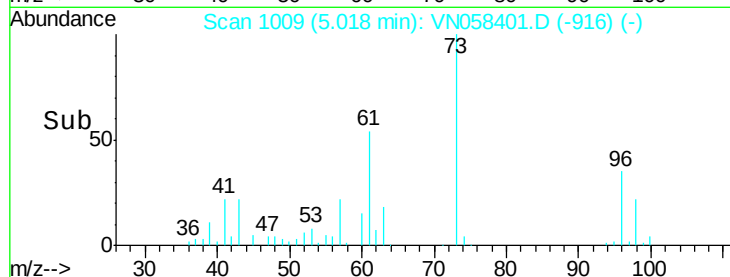
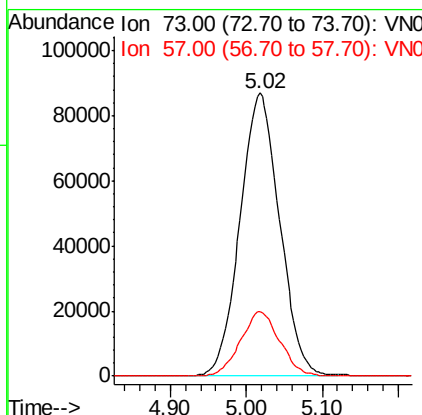
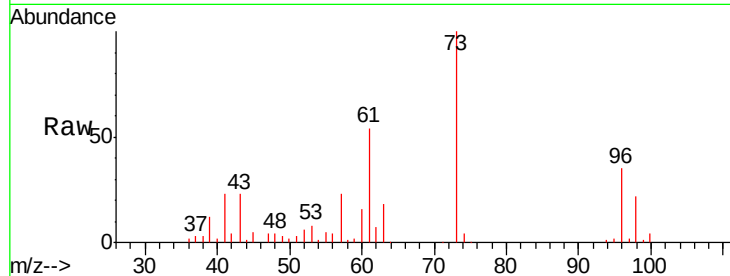




#19
Methyl tert-butyl Ether
Concen: 21.935 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

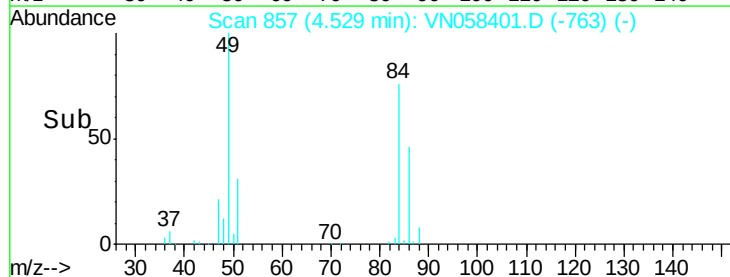
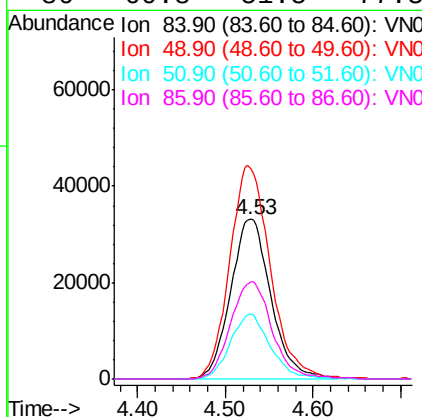
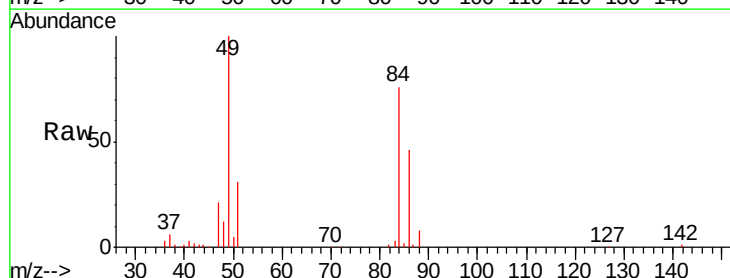
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

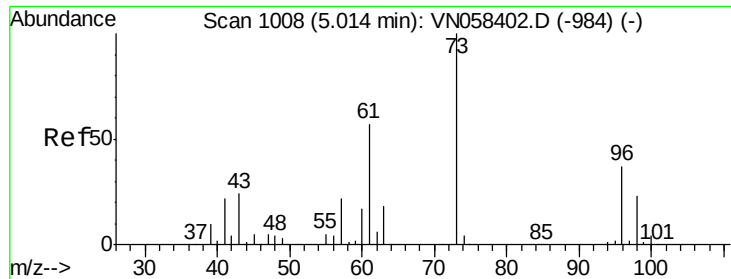
Tgt Ion: 73 Resp: 314858
Ion Ratio Lower Upper
73 100
57 23.0 17.6 26.4



#20
Methylene Chloride
Concen: 23.820 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 84 Resp: 106230
Ion Ratio Lower Upper
84 100
49 131.4 107.9 161.9
51 41.1 32.8 49.2
86 60.8 51.5 77.3

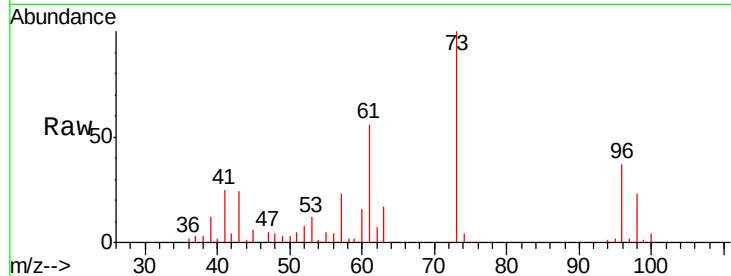




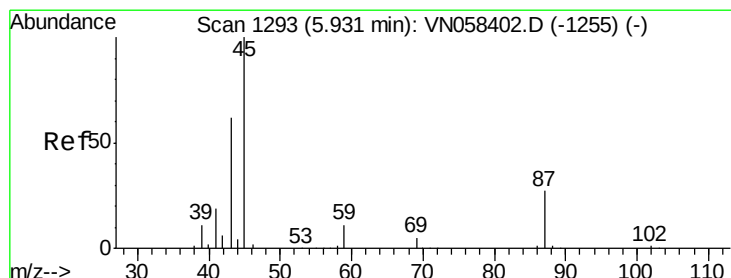
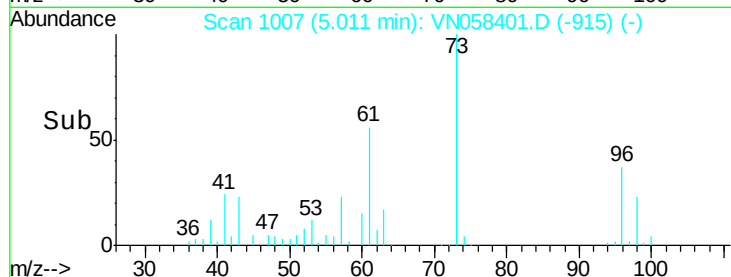
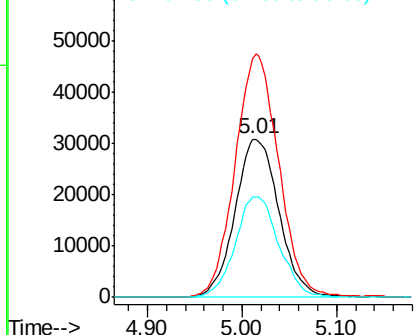
#21
trans-1,2-Dichloroethene
Concen: 26.725 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 99396
Ion Ratio Lower Upper
96 100
61 151.4 121.9 182.9
98 63.1 49.3 73.9

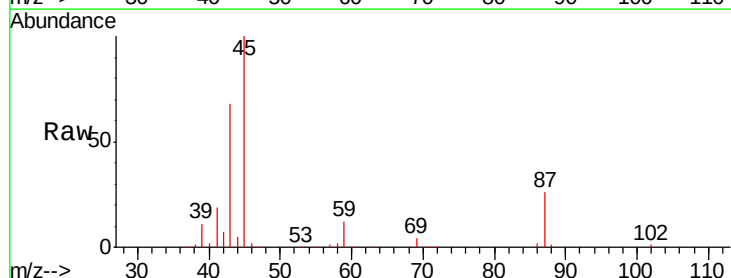


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

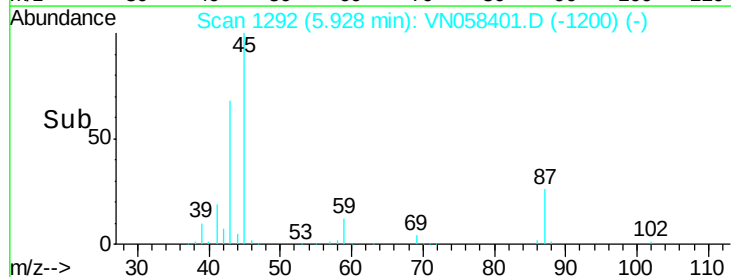
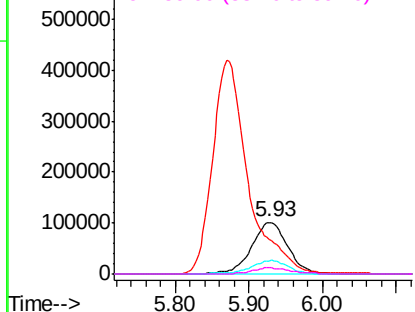


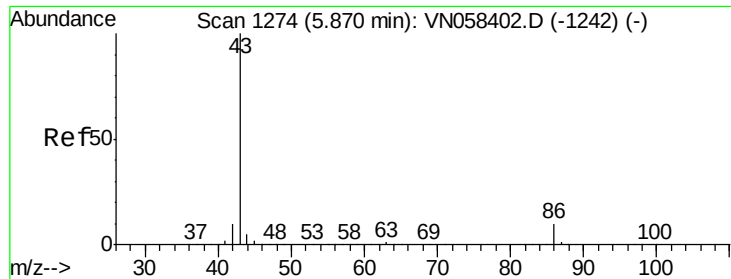
#22
Diisopropyl ether
Concen: 21.893 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 45 Resp: 345782
Ion Ratio Lower Upper
45 100
43 65.8 49.7 74.5
87 25.6 21.5 32.3
59 11.7 8.9 13.3



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: 126.382 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

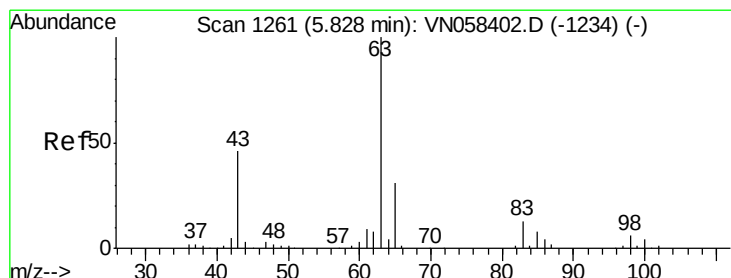
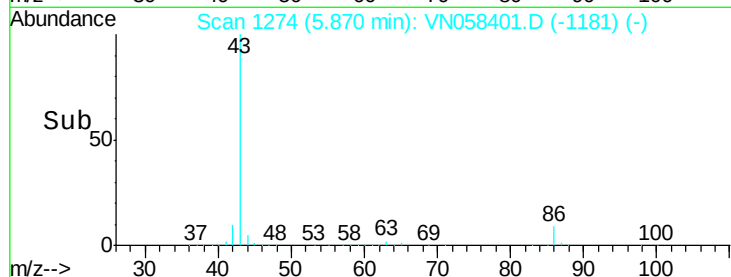
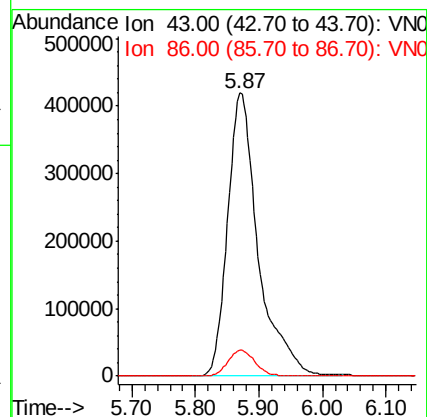
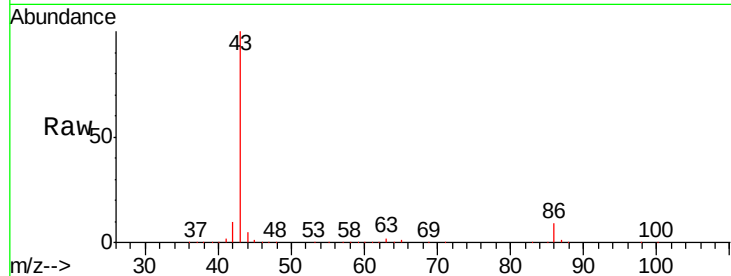
VSTDIC020

Tgt Ion: 43 Resp: 1403479

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



#24

1,1-Dichloroethane

Concen: 22.964 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

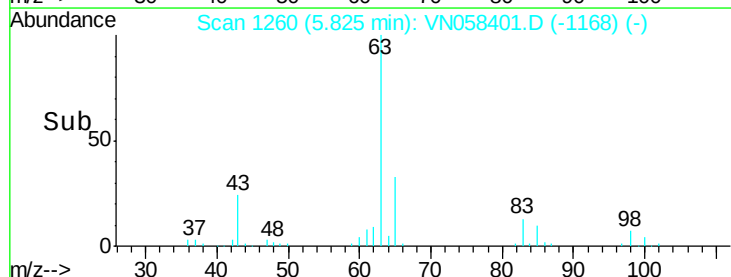
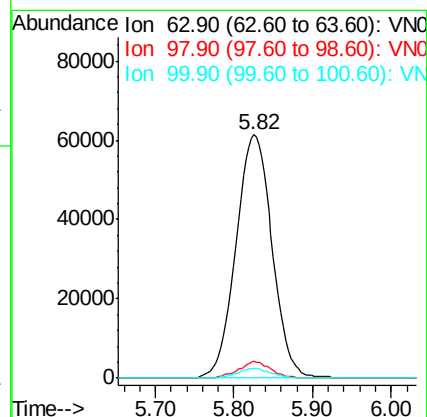
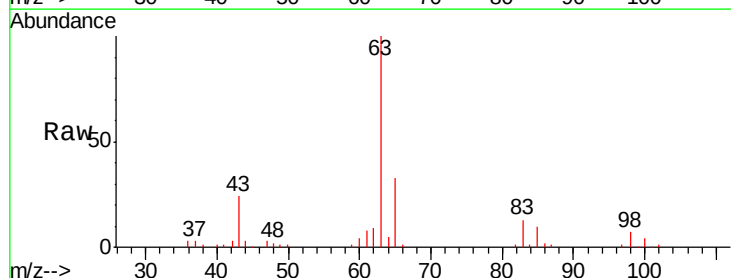
Tgt Ion: 63 Resp: 196789

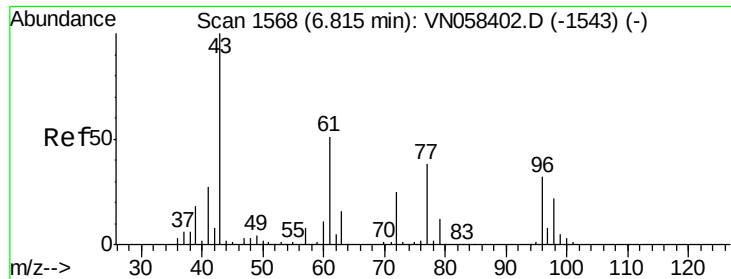
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 110.338 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

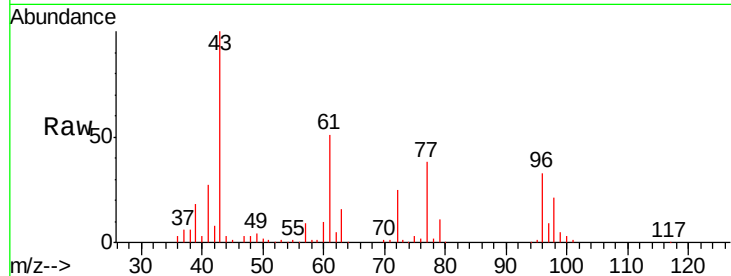
VSTDIC020

Tgt Ion: 43 Resp: 332033

Ion Ratio Lower Upper

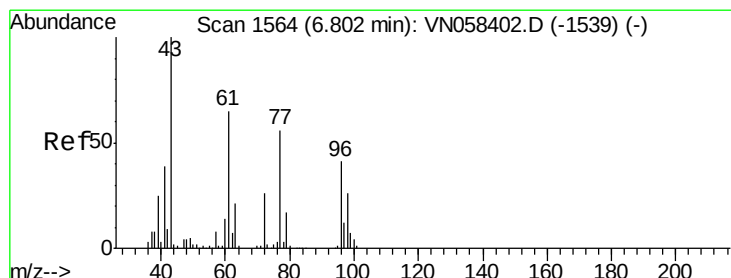
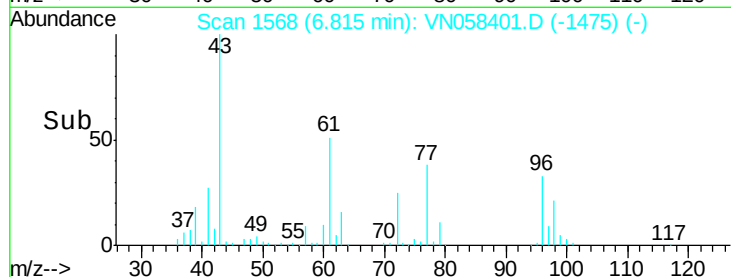
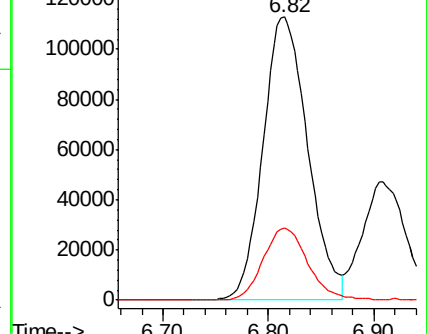
43 100

72 25.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 22.405 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058401.D

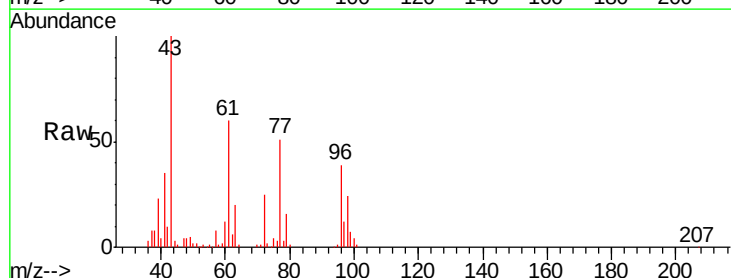
Acq: 27 Sep 2019 11:55

Tgt Ion: 77 Resp: 162398

Ion Ratio Lower Upper

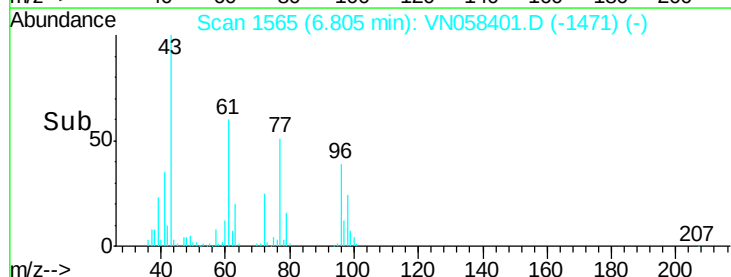
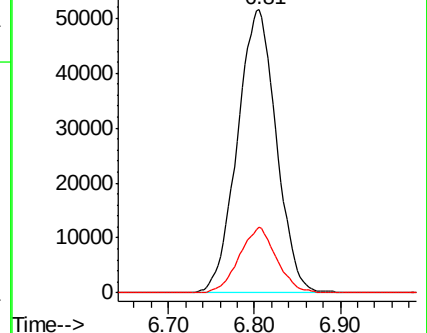
77 100

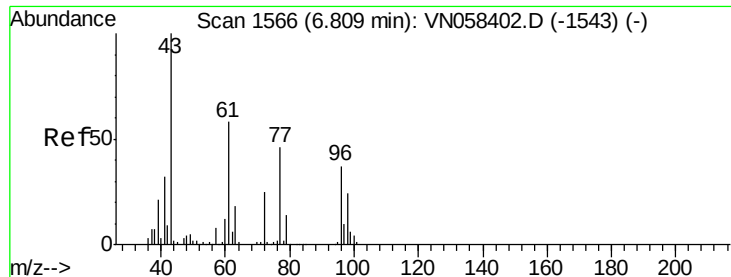
97 22.0 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 23.609 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

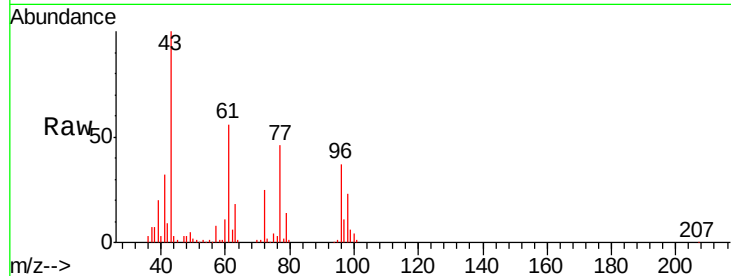
Tgt Ion: 96 Resp: 115097

Ion Ratio Lower Upper

96 100

61 158.1 0.0 318.8

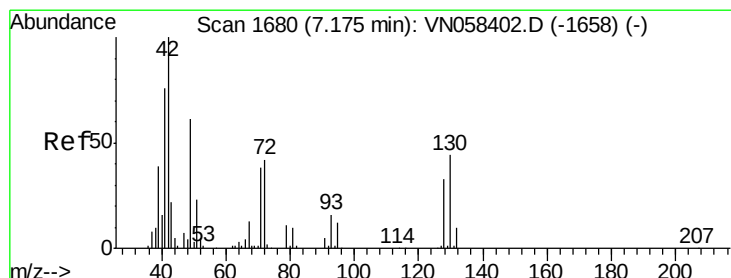
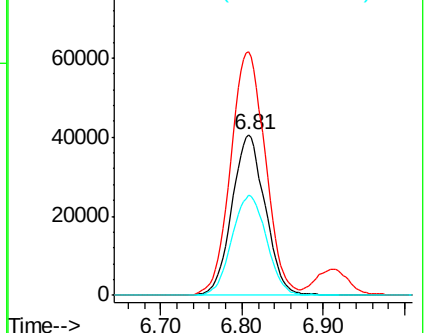
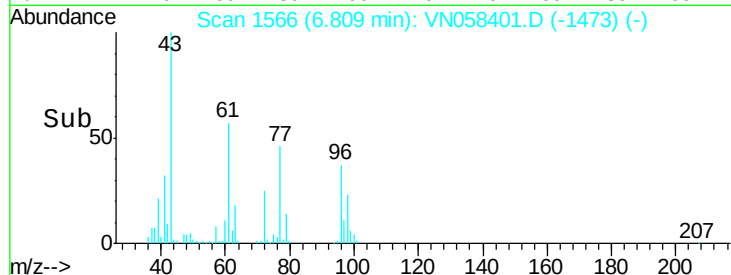
98 64.6 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN058401.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058401.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058401.D (-1473) (-)



#28

Bromochloromethane

Concen: 20.931 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

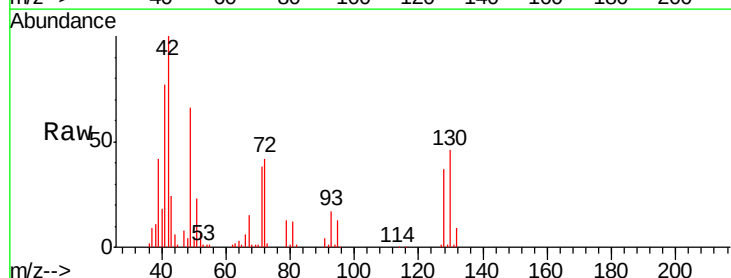
Tgt Ion: 49 Resp: 81427

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

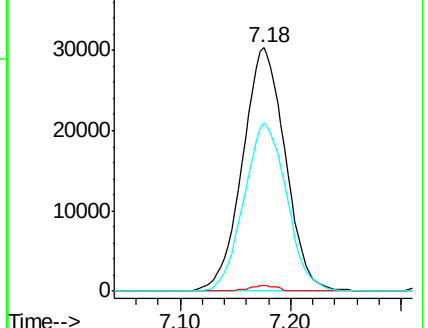
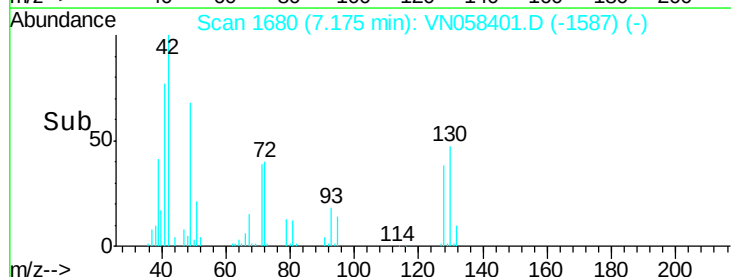
130 69.1 56.3 84.5

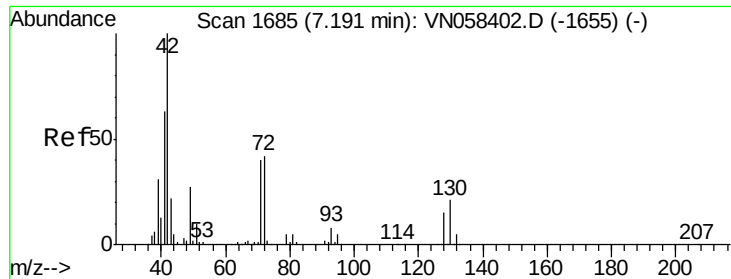


Abundance Ion 48.90 (48.60 to 49.60): VN058401.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058401.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058401.D (-1587) (-)

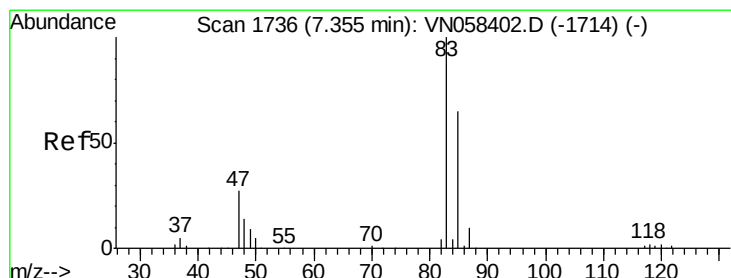
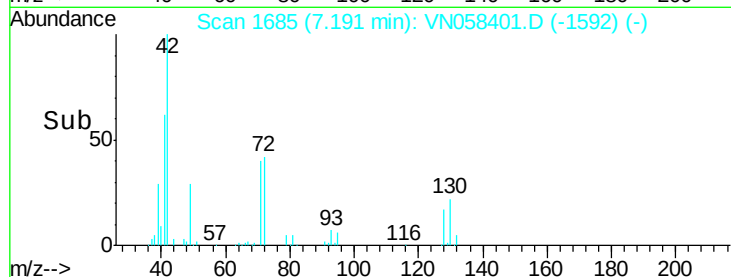
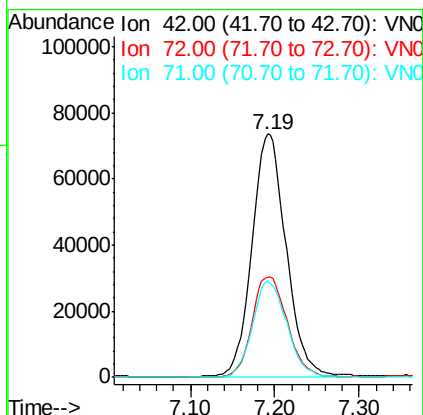
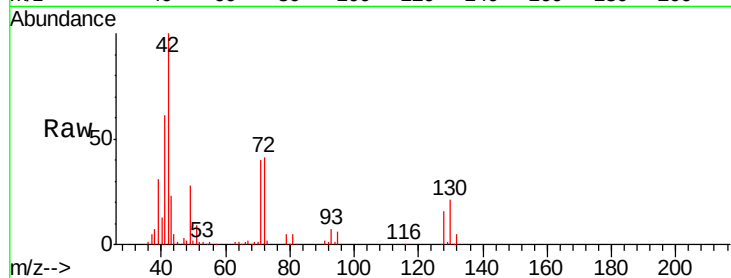




#29
Tetrahydrofuran
Concen: 109.786 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

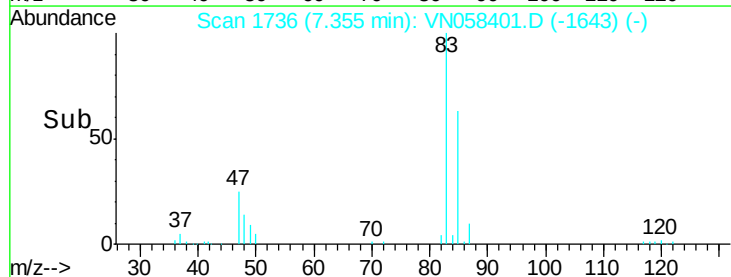
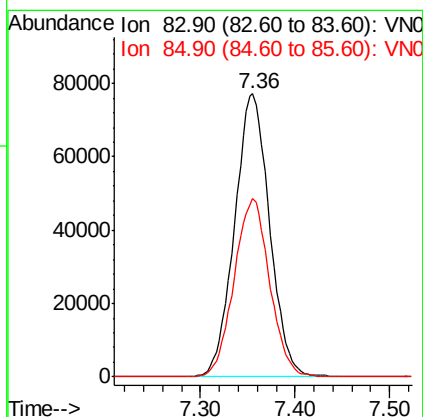
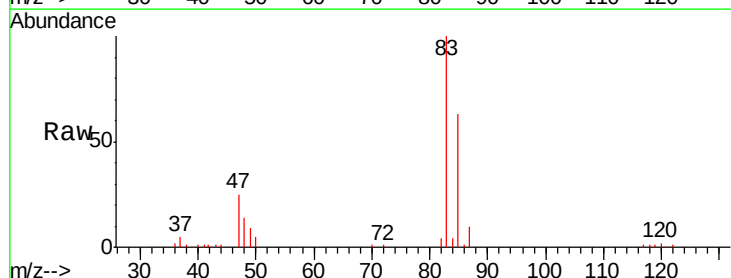
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

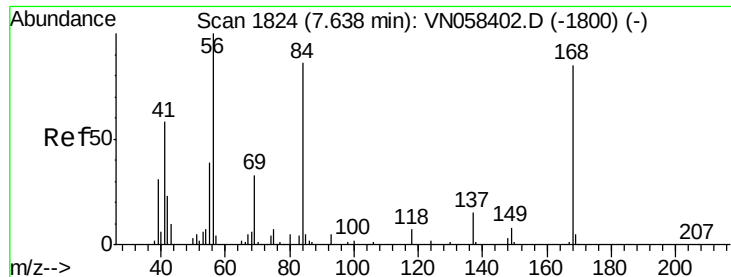
Tgt Ion: 42 Resp: 205615
Ion Ratio Lower Upper
42 100
72 42.9 33.7 50.5
71 40.3 31.8 47.6



#30
Chloroform
Concen: 21.775 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 83 Resp: 198355
Ion Ratio Lower Upper
83 100
85 63.0 52.0 78.0





#31

Cyclohexane

Concen: 27.496 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

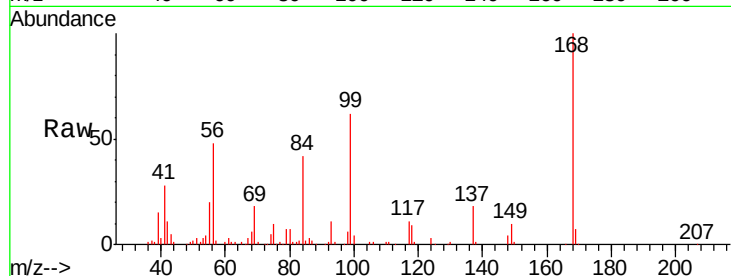
Tgt Ion: 56 Resp: 189013

Ion Ratio Lower Upper

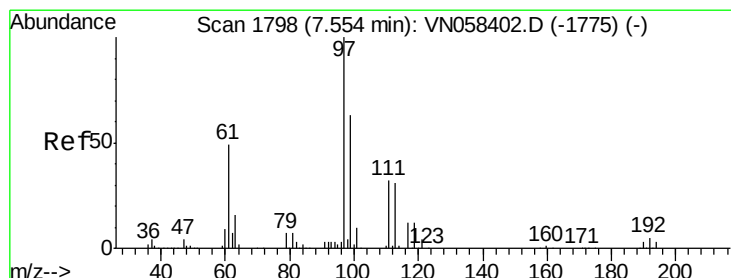
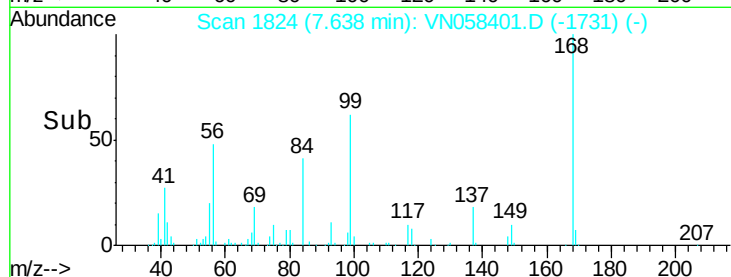
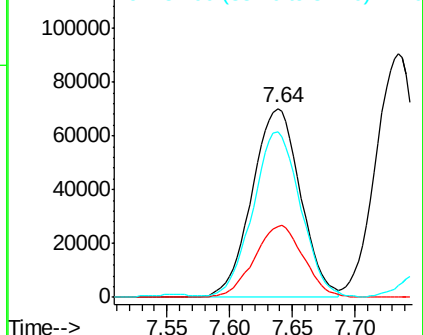
56 100

69 37.2 26.2 39.4

84 86.5 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 23.105 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

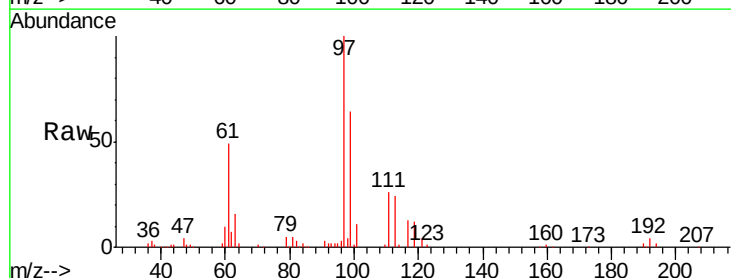
Tgt Ion: 97 Resp: 162290

Ion Ratio Lower Upper

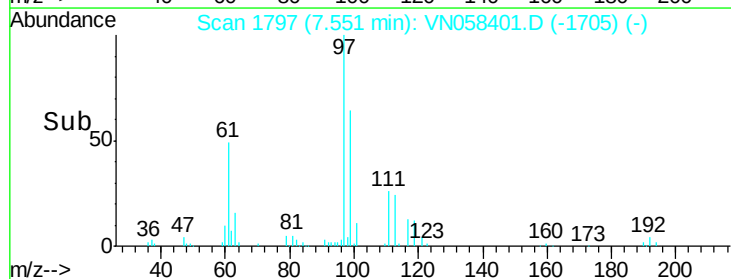
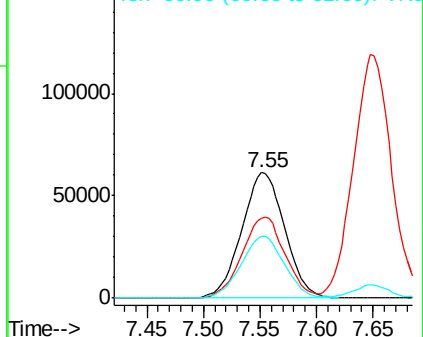
97 100

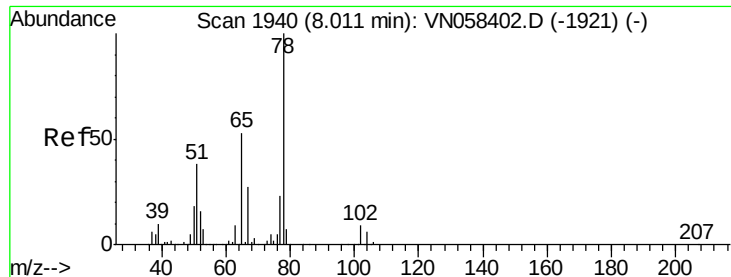
99 64.4 51.1 76.7

61 49.8 39.2 58.8



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

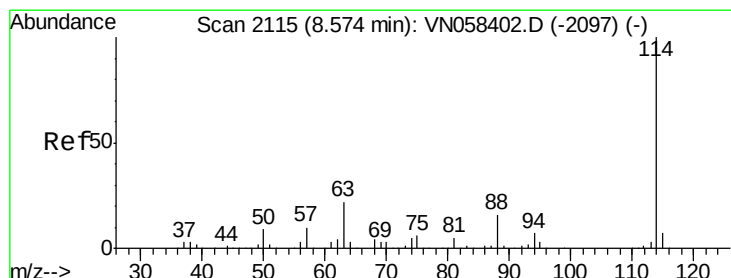
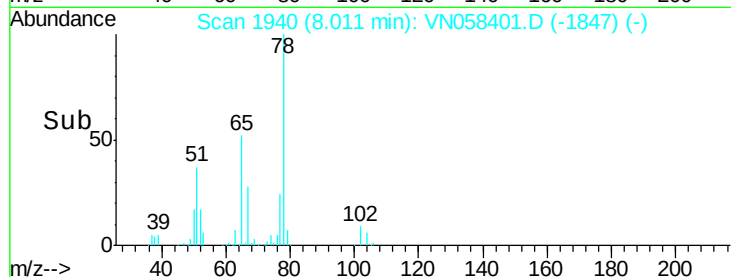
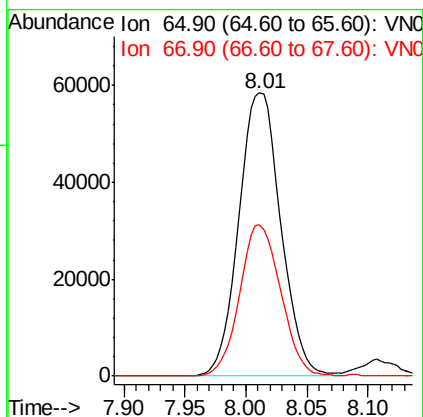
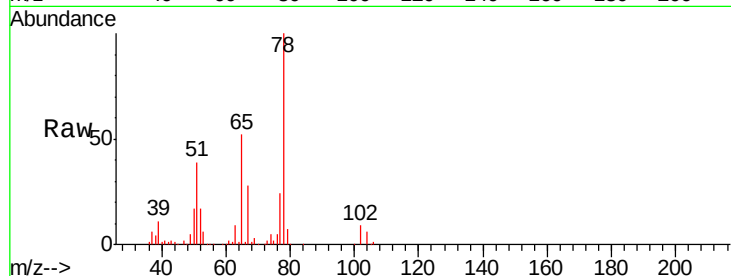




#33
 1,2-Dichloroethane-d4
 Concen: 21.539 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

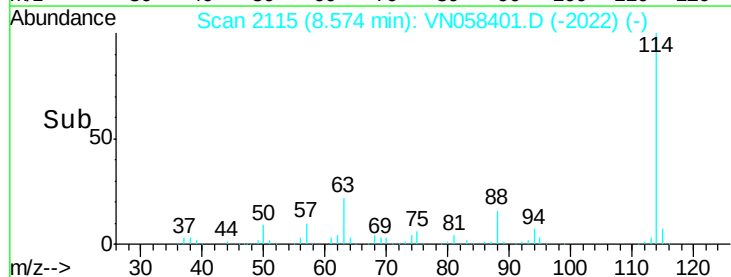
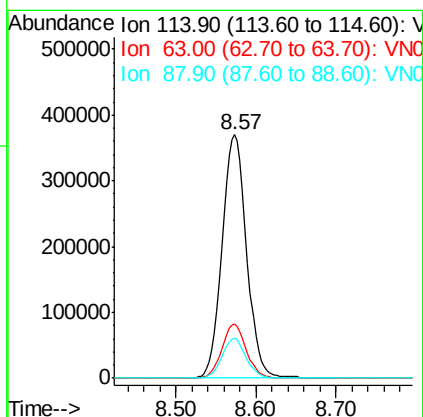
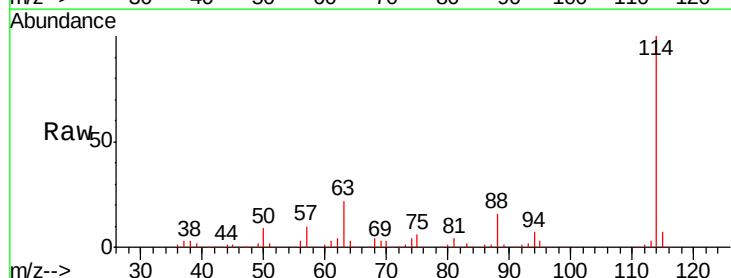
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

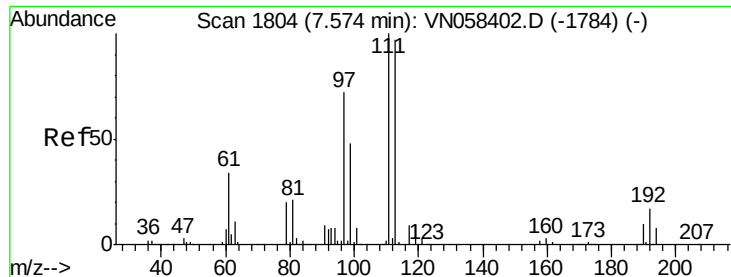
Tgt Ion: 65 Resp: 139300
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 114 Resp: 779574
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 20.741 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

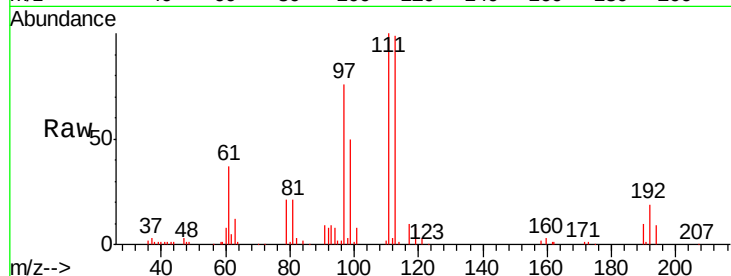
Tgt Ion:113 Resp: 98391

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.2

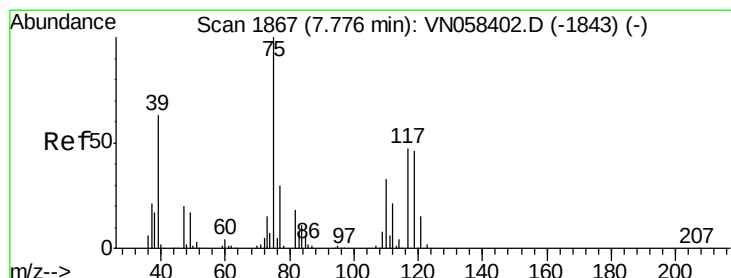
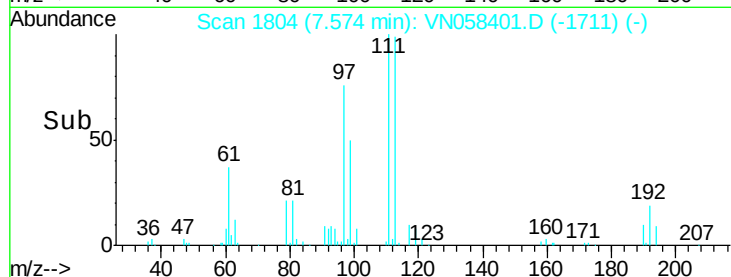
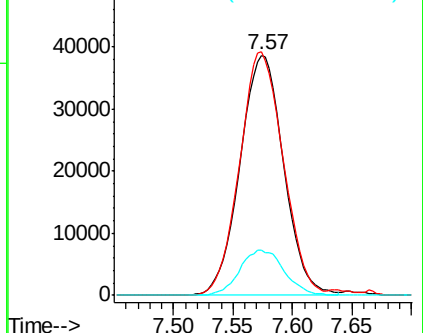
192 19.0 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 25.076 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

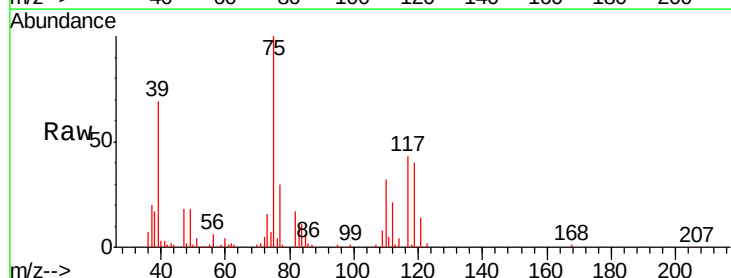
Tgt Ion: 75 Resp: 151063

Ion Ratio Lower Upper

75 100

110 32.7 16.4 49.2

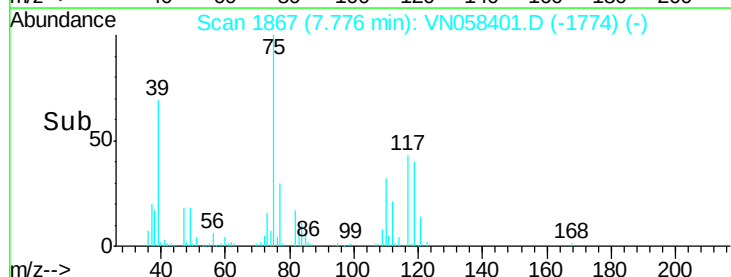
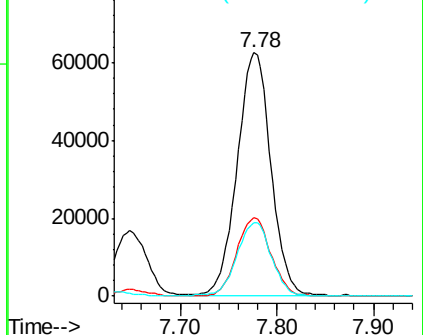
77 31.1 24.3 36.5

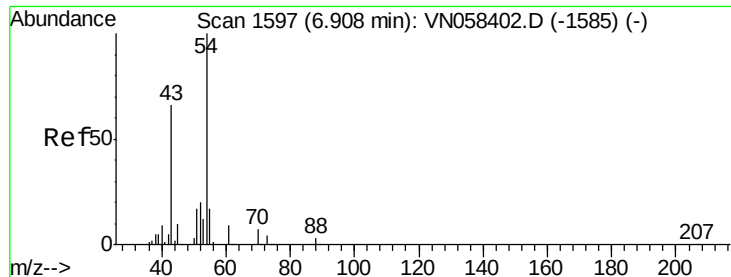


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

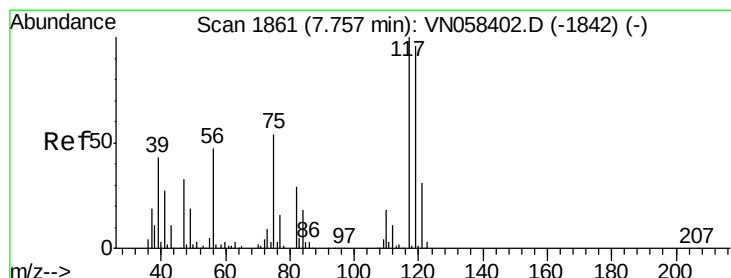
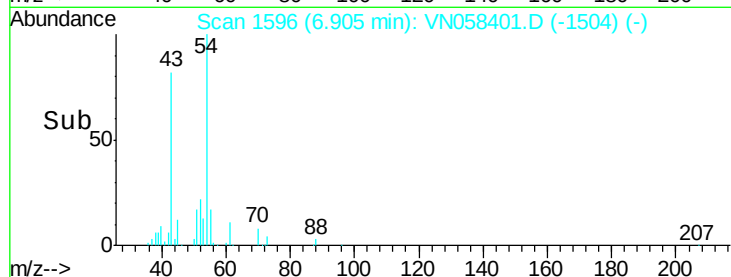
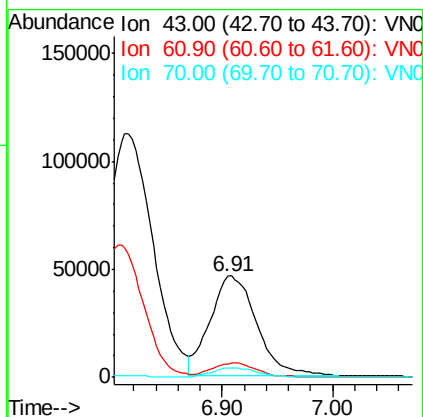
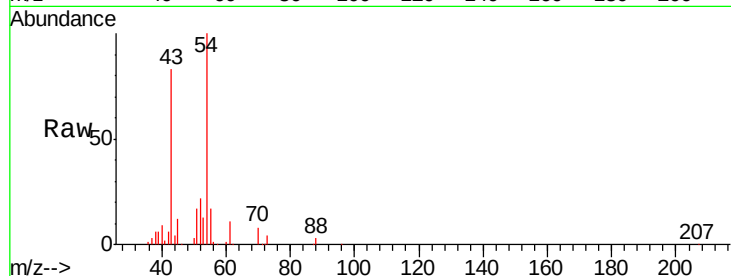




#37
Ethyl Acetate
Concen: 22.792 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

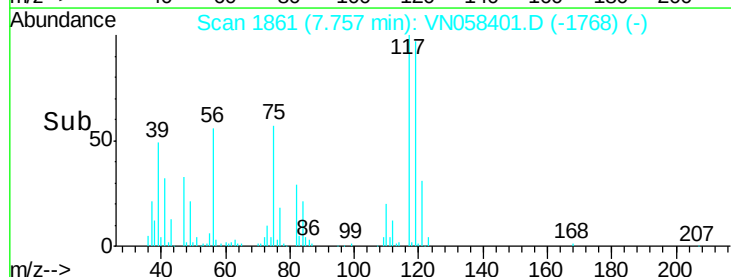
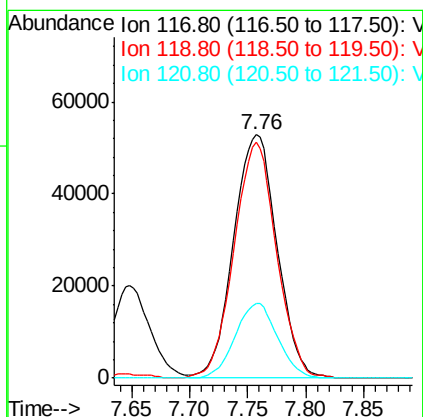
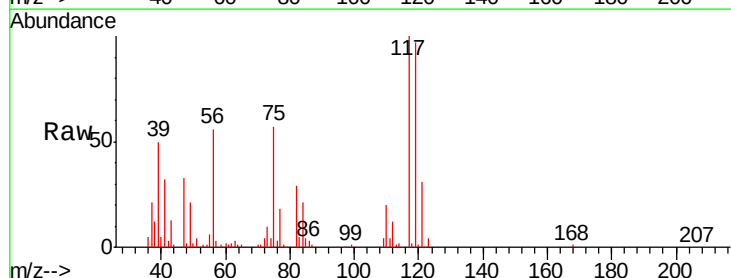
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

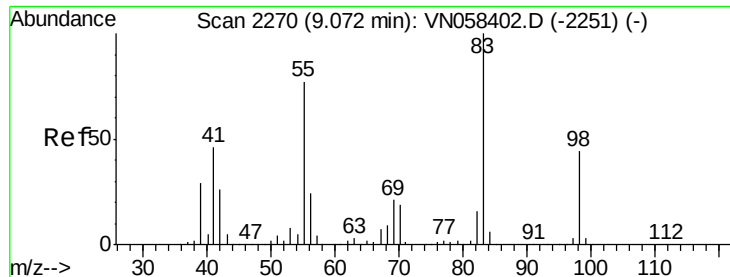
Tgt Ion: 43 Resp: 136148
Ion Ratio Lower Upper
43 100
61 14.0 10.5 15.7
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 23.277 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 117 Resp: 137726
Ion Ratio Lower Upper
117 100
119 97.1 76.6 115.0
121 30.5 24.7 37.1

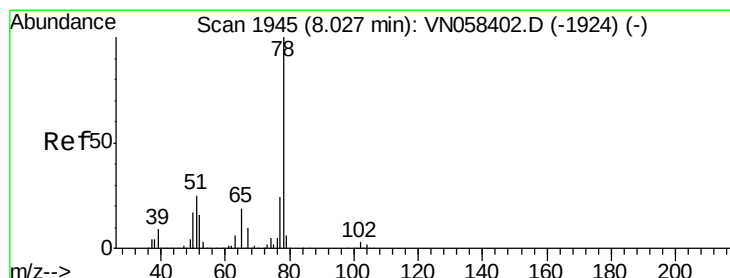
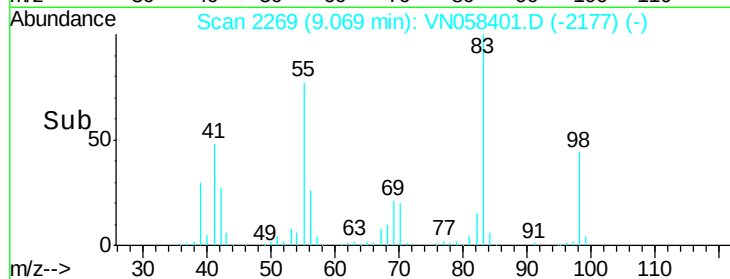
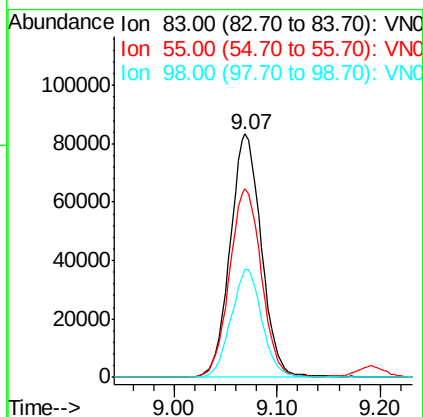
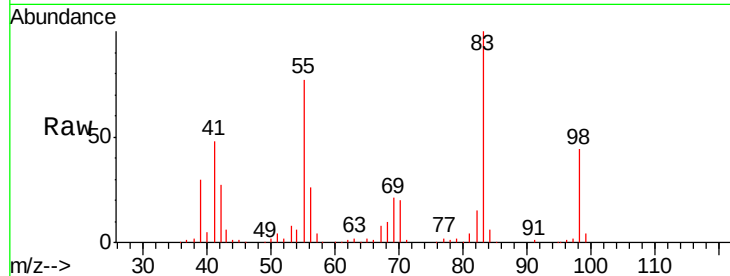




#39
Methylcyclohexane
Concen: 26.968 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

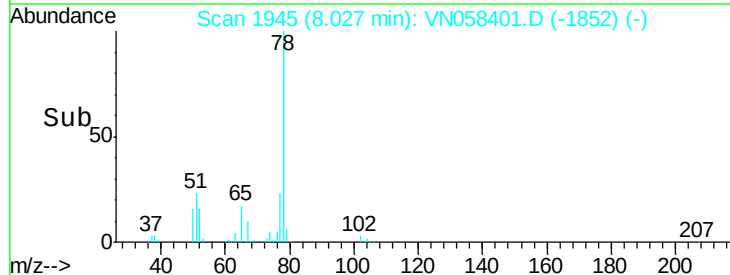
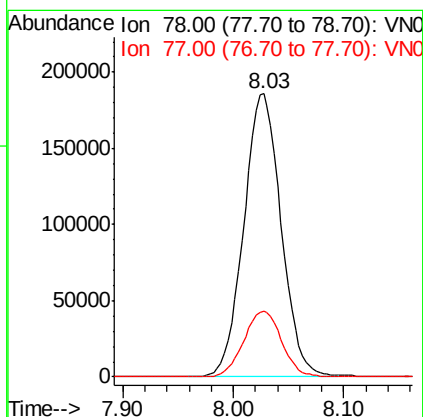
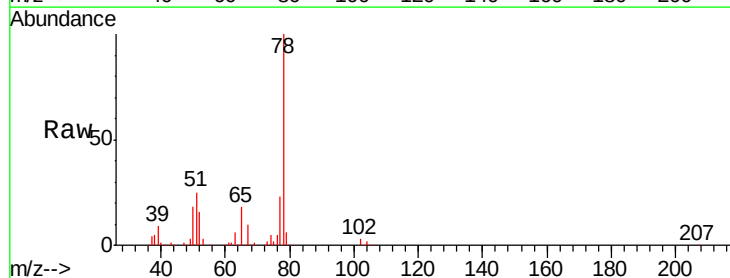
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

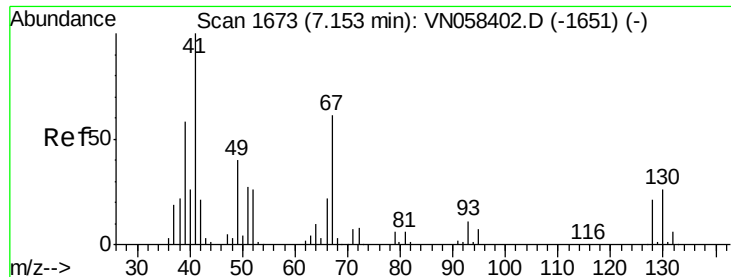
Tgt Ion: 83 Resp: 175505
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.6
98 44.2 35.4 53.0



#40
Benzene
Concen: 24.090 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 78 Resp: 435274
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

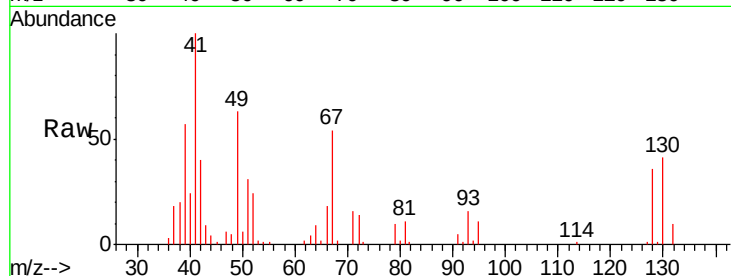




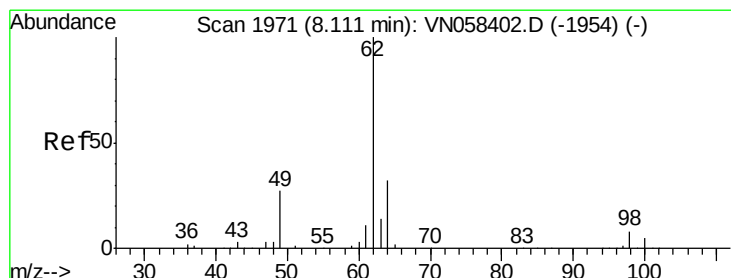
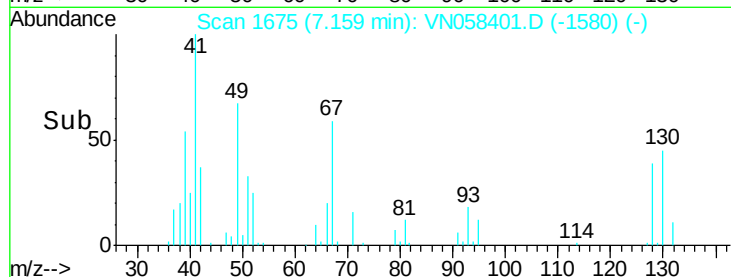
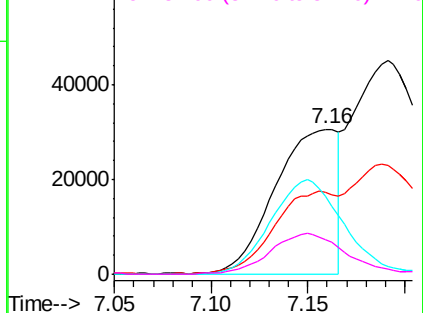
#41
Methacrylonitrile
Concen: 24.539 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 69249
Ion Ratio Lower Upper
41 100
39 56.9 50.2 75.4
67 75.8 70.2 105.4
52 34.0 31.4 47.0

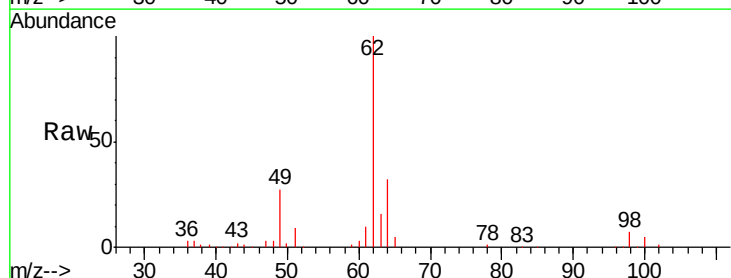


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

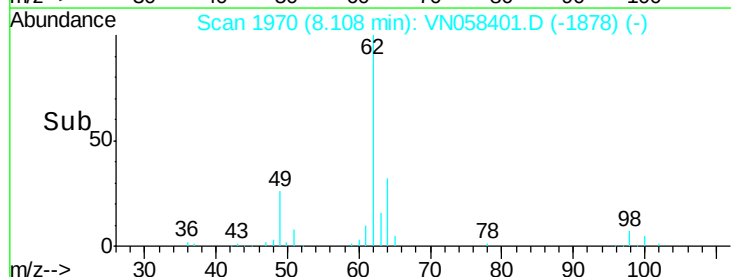
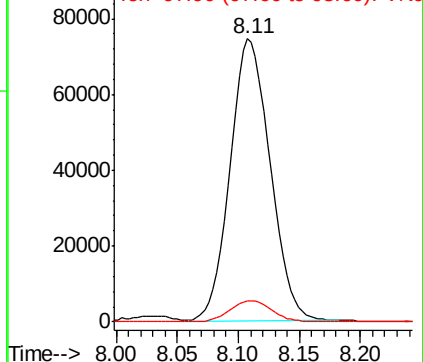


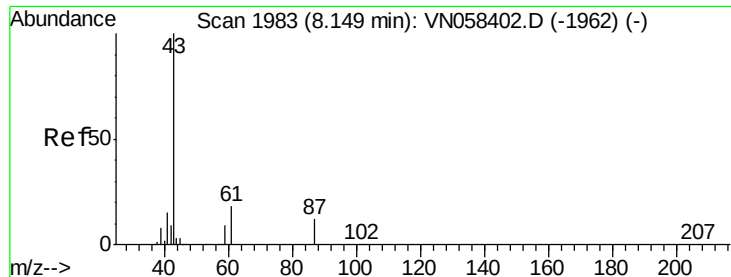
#42
1,2-Dichloroethane
Concen: 22.797 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 62 Resp: 169625
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.6



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





#43

Isopropyl Acetate

Concen: 20.430 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

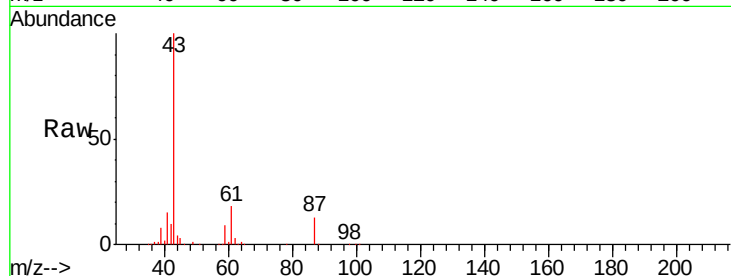
Tgt Ion: 43 Resp: 226669

Ion Ratio Lower Upper

43 100

61 25.5 14.8 22.2#

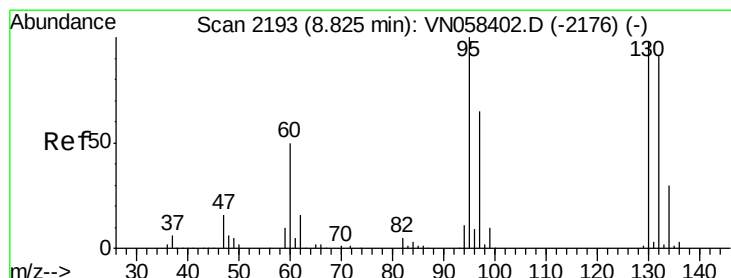
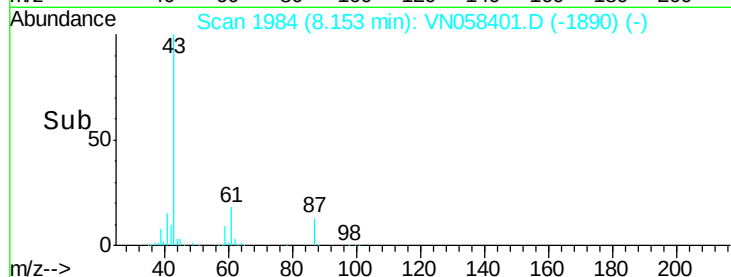
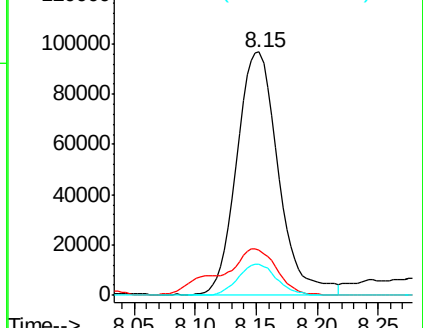
87 12.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058401.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058401.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058401.D (-1890) (-)



#44

Trichloroethene

Concen: 24.253 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058401.D

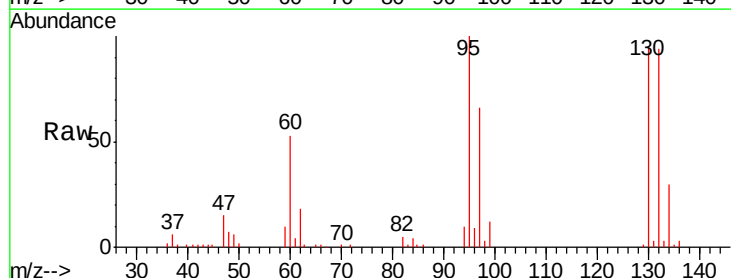
Acq: 27 Sep 2019 11:55

Tgt Ion: 130 Resp: 107444

Ion Ratio Lower Upper

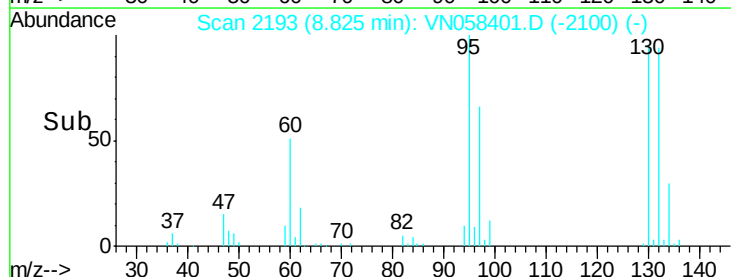
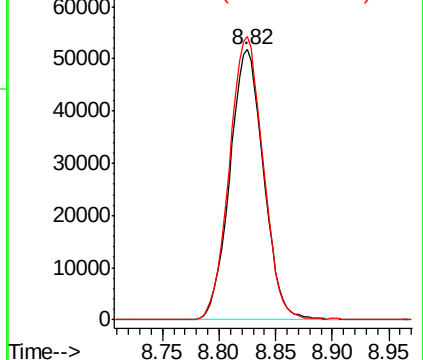
130 100

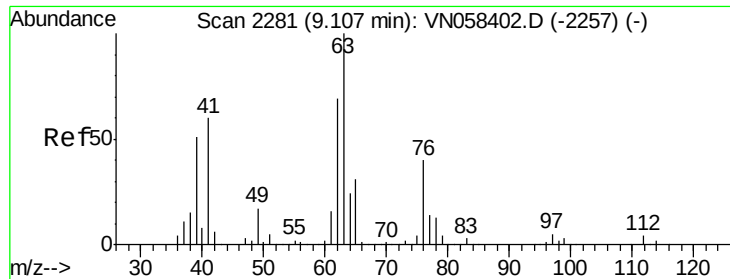
95 104.7 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058401.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058401.D (-2100) (-)

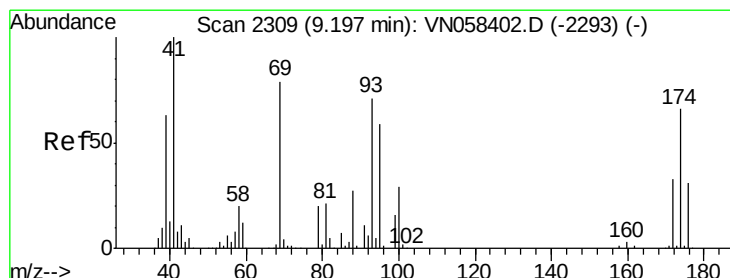
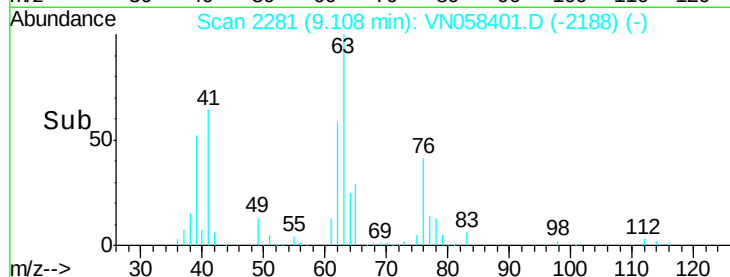
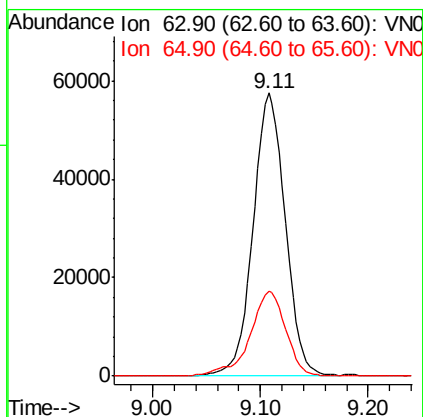
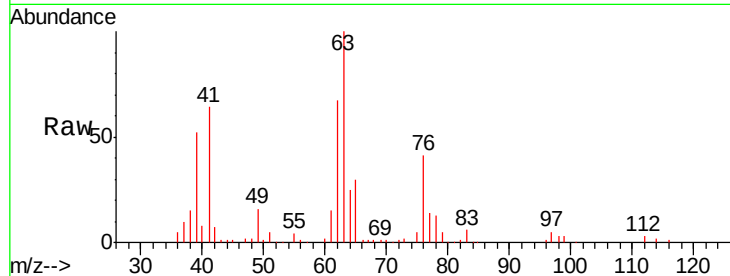




#45
 1,2-Dichloropropane
 Concen: 22.638 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

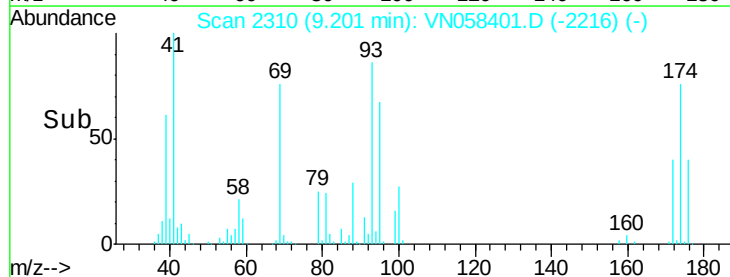
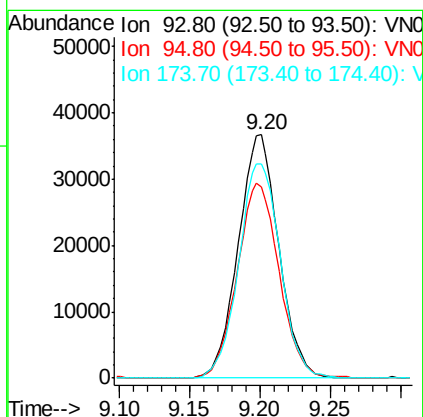
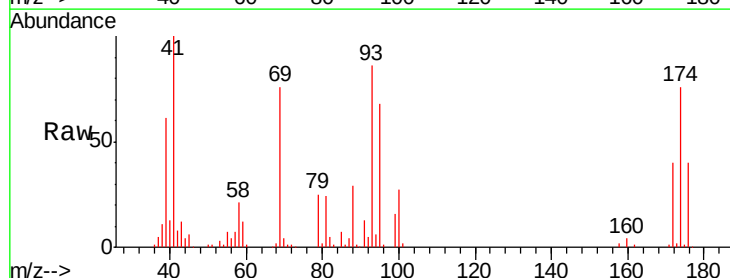
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

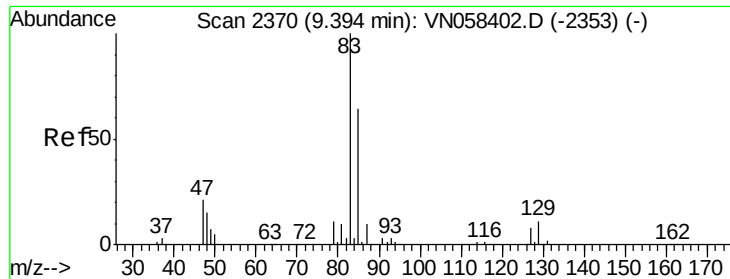
Tgt Ion: 63 Resp: 119042
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 22.847 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 93 Resp: 73642
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 90.5 74.2 111.2





#47

Bromodichloromethane

Concen: 20.977 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

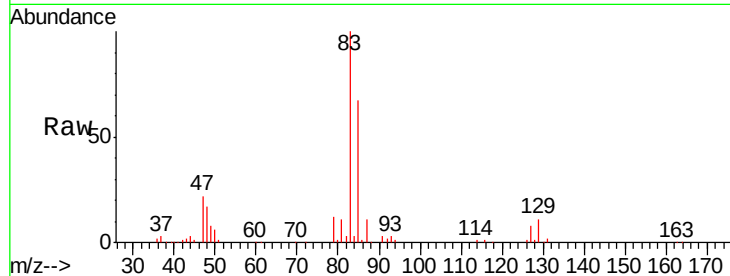
Tgt Ion: 83 Resp: 139173

Ion Ratio Lower Upper

83 100

85 66.6 51.2 76.8

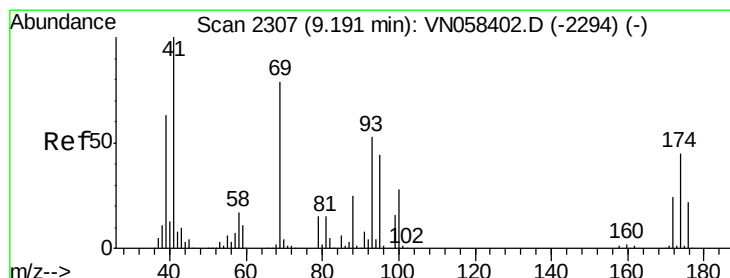
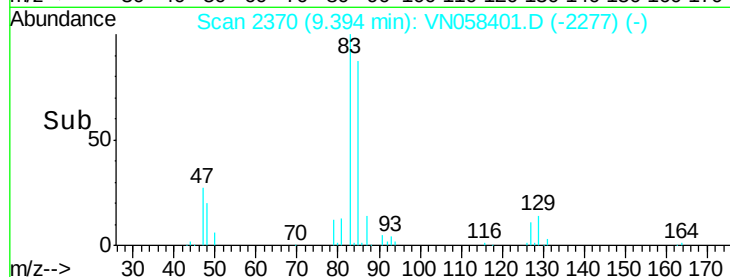
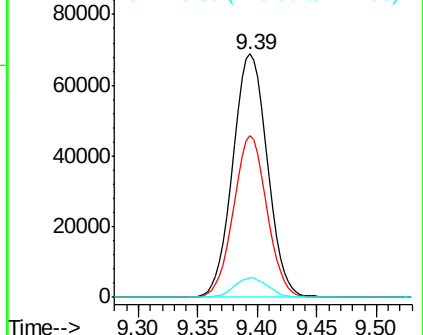
127 8.2 6.3 9.5



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: 21.140 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

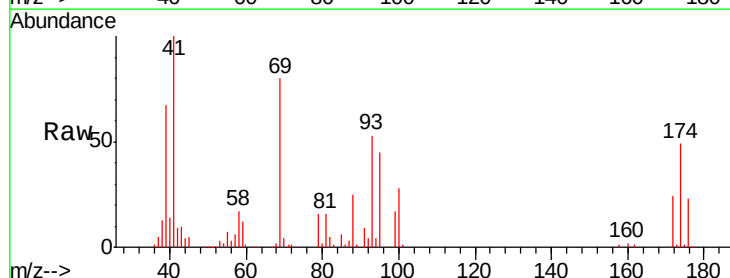
Tgt Ion: 41 Resp: 106356

Ion Ratio Lower Upper

41 100

69 82.4 64.7 97.1

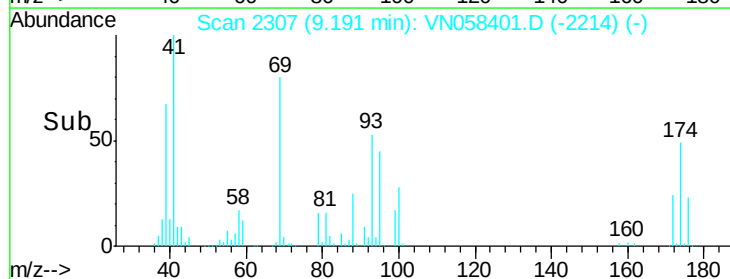
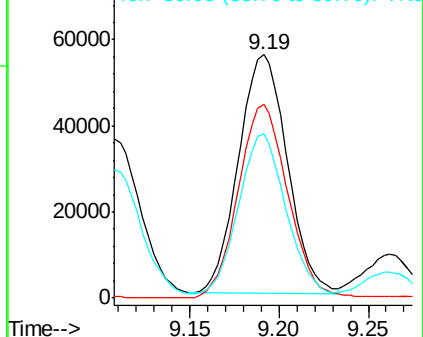
39 68.1 52.9 79.3

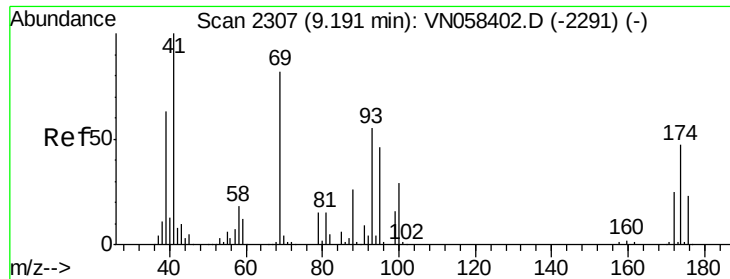


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

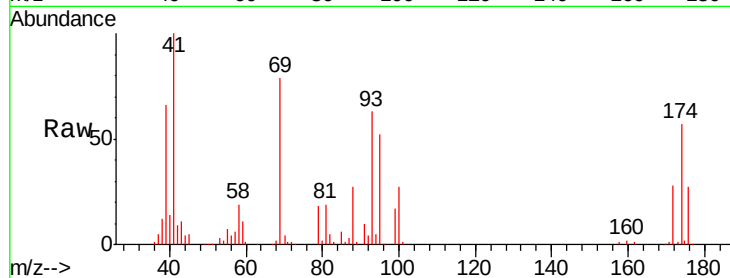




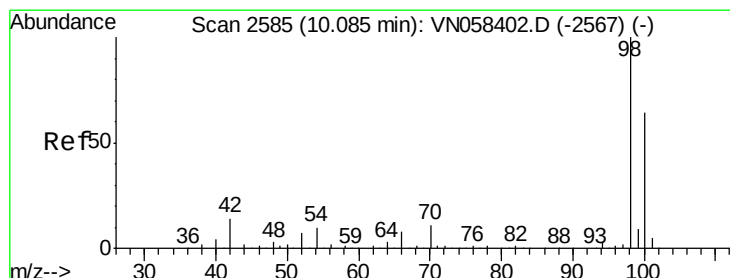
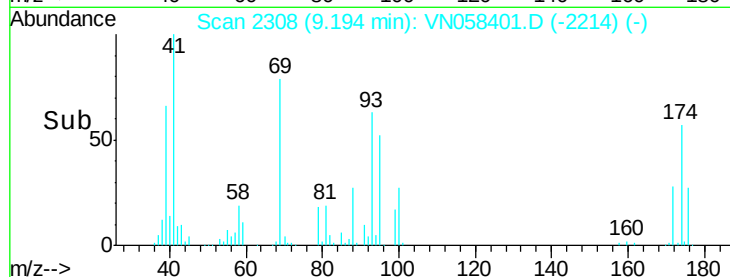
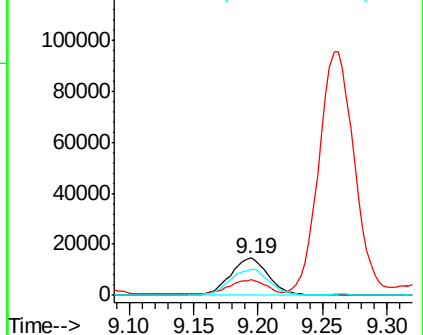
#49
 1,4-Dioxane
 Concen: 373.742 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 88 Resp: 29832
 Ion Ratio Lower Upper
 88 100
 43 37.1 31.1 46.7
 58 72.7 58.1 87.1

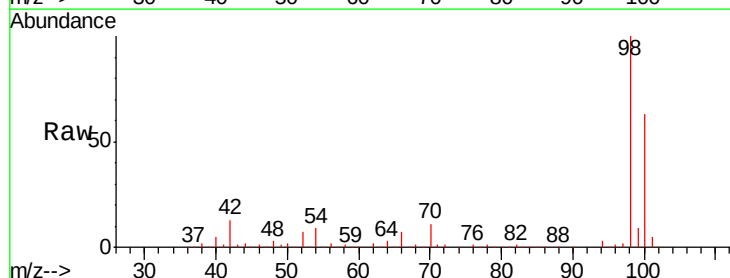


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

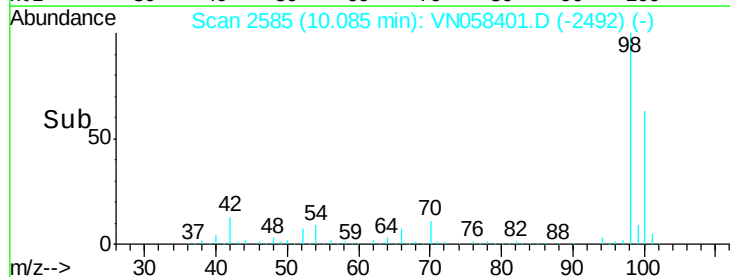
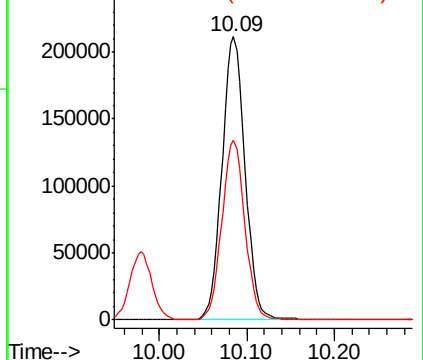


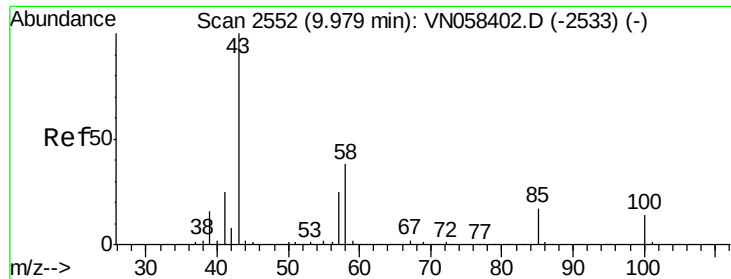
#50
 Toluene-d8
 Concen: 21.073 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 98 Resp: 388489
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.0 76.6



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: 113.688 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

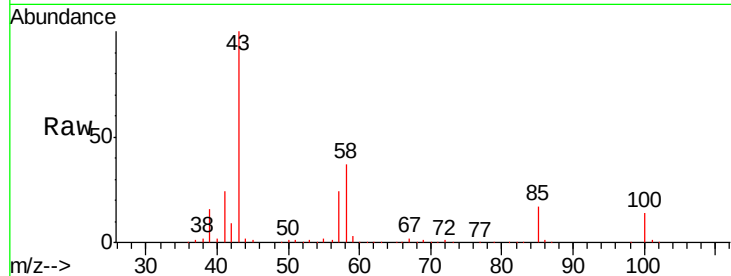
VSTDIC020

Tgt Ion: 43 Resp: 662656

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

300000

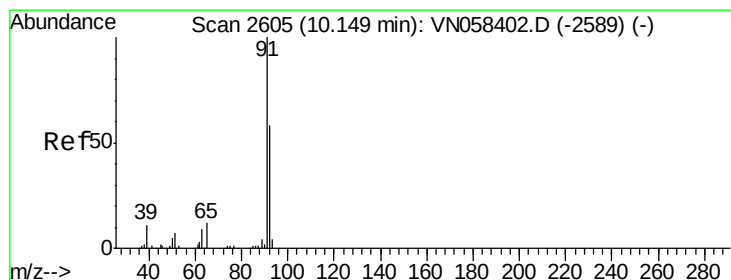
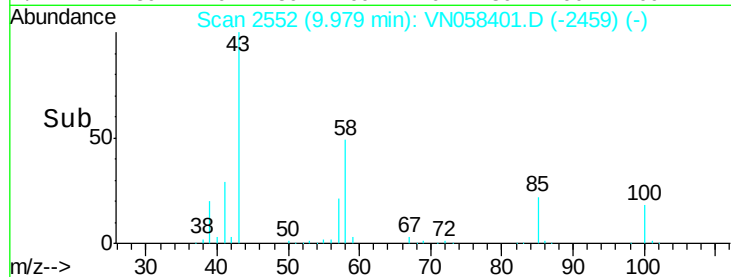
200000

100000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 24.075 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058401.D

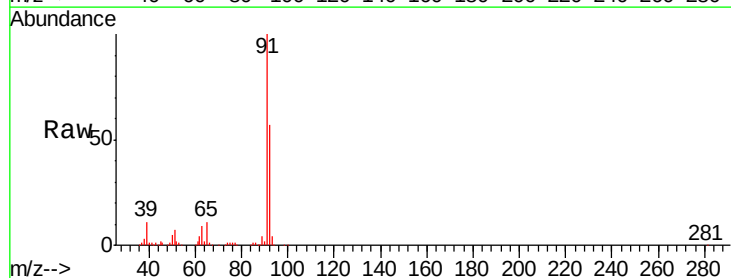
Acq: 27 Sep 2019 11:55

Tgt Ion: 92 Resp: 270697

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

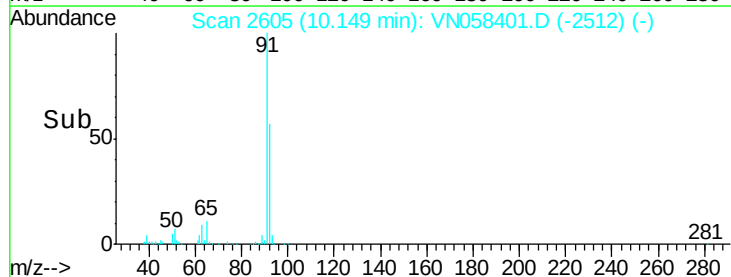
100000

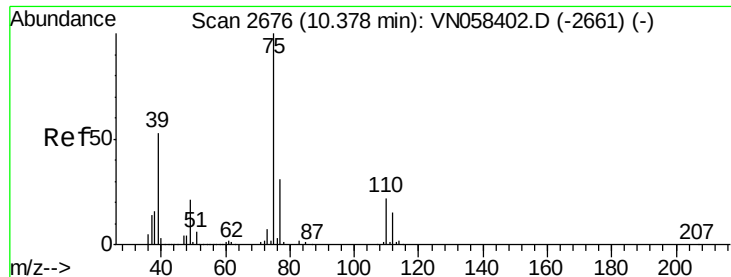
50000

0

Time-->

10.10 10.20

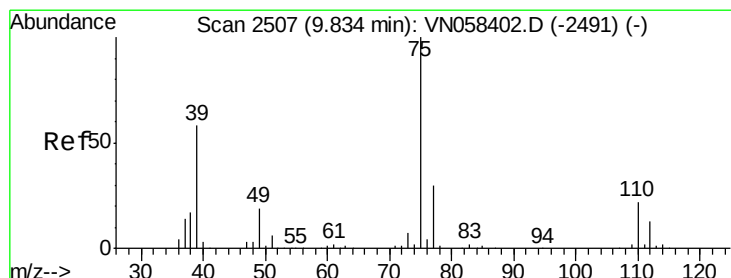
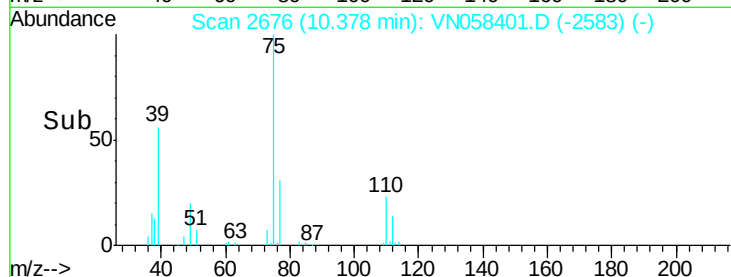
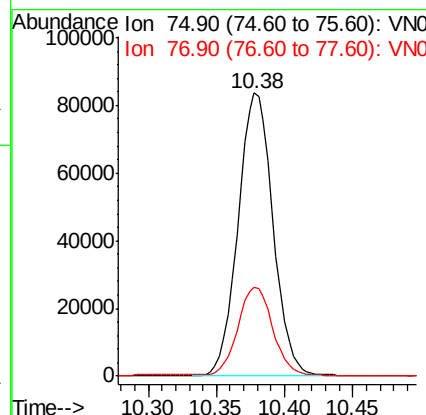
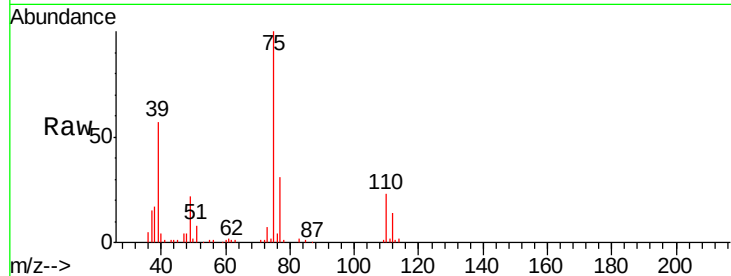




#53
t-1,3-Dichloropropene
Concen: 21.621 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

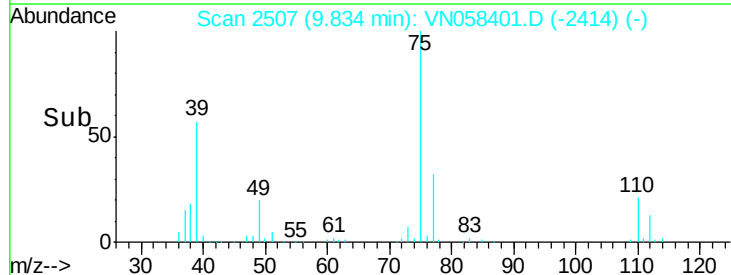
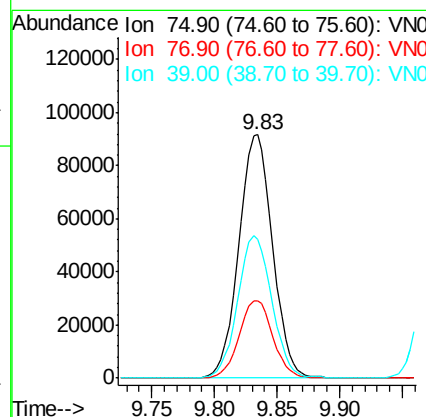
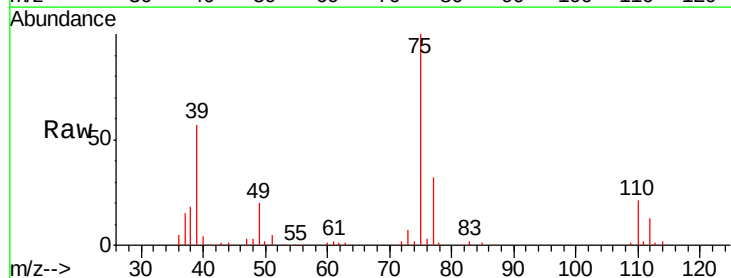
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

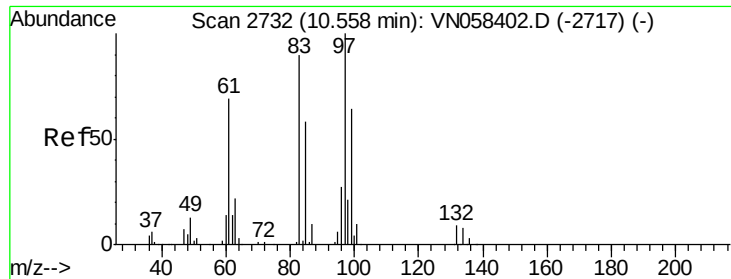
Tgt Ion: 75 Resp: 149029
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 22.455 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 75 Resp: 171350
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4
39 57.0 46.4 69.6

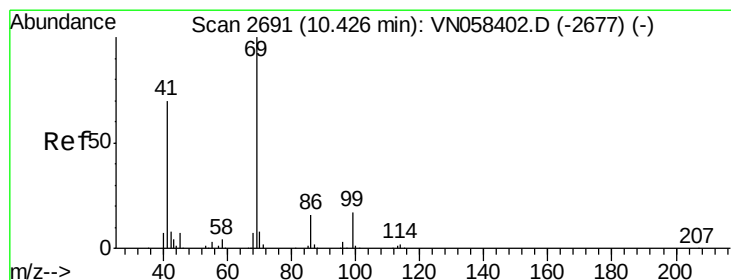
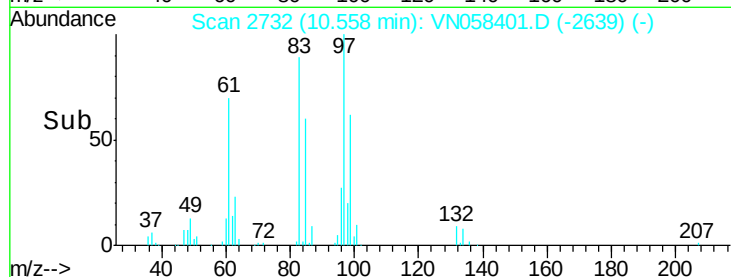
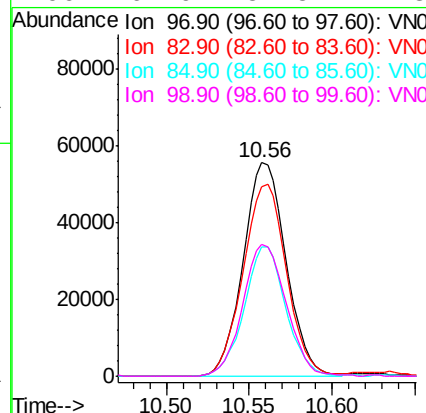
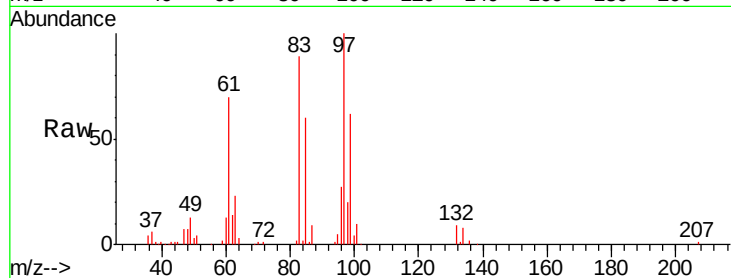




#55
 1,1,2-Trichloroethane
 Concen: 20.768 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

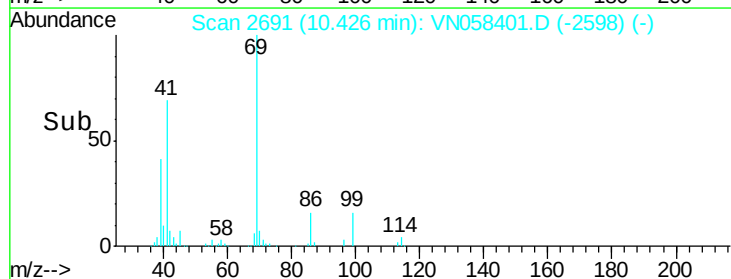
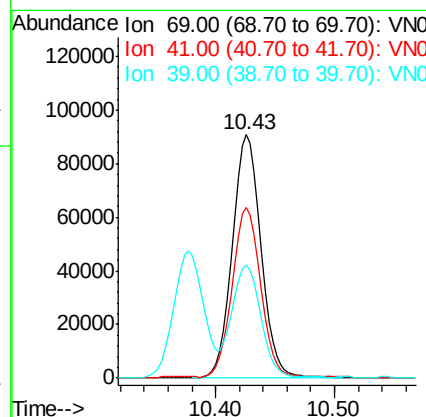
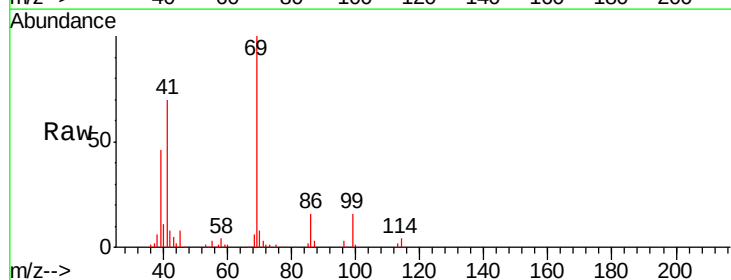
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

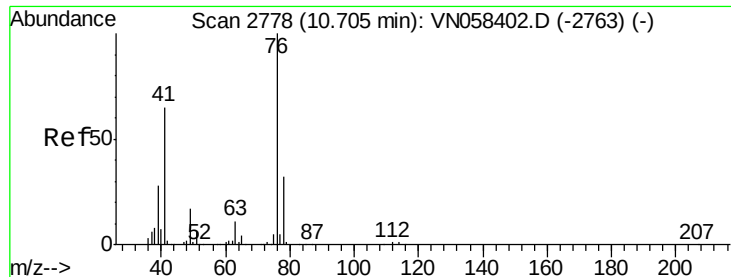
Tgt Ion:	97	Resp:	100140
Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.8	107.6
85	60.5	46.6	69.8
99	61.9	51.5	77.3



#56
 Ethyl methacrylate
 Concen: 21.660 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion:	69	Resp:	151737
Ion	Ratio	Lower	Upper
69	100		
41	68.7	56.3	84.5
39	46.7	35.8	53.6

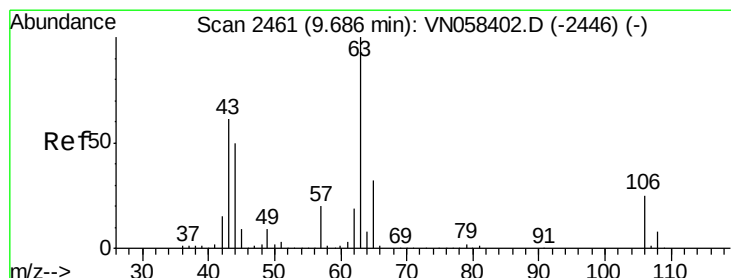
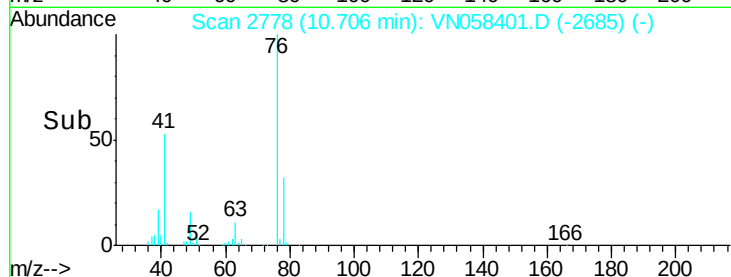
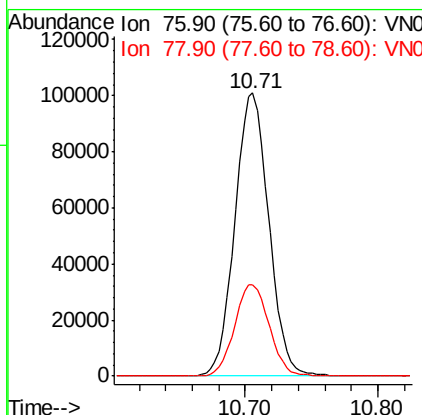
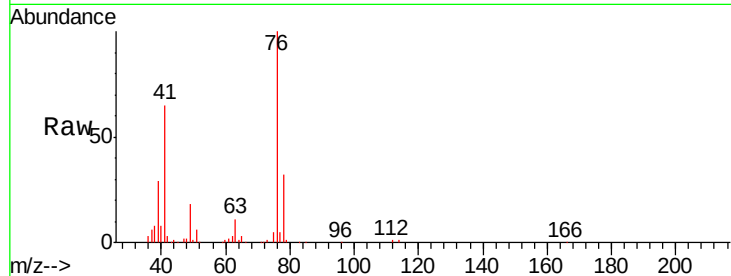




#57
 1,3-Dichloropropane
 Concen: 21.402 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

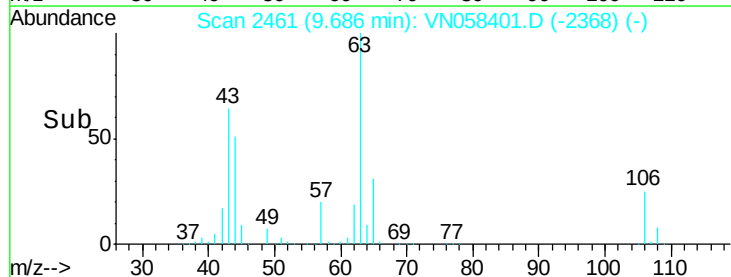
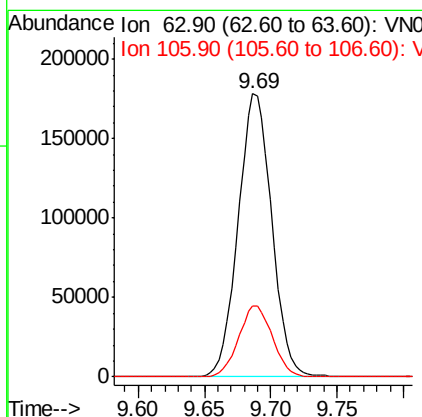
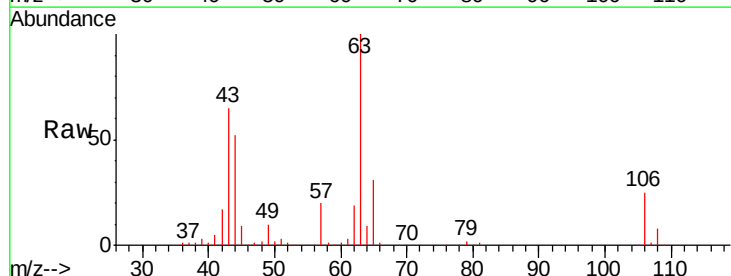
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

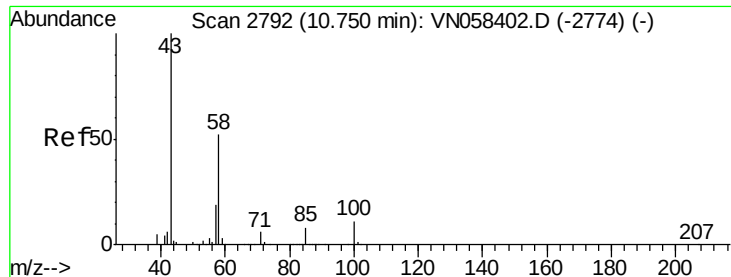
Tgt Ion: 76 Resp: 178834
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.642 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 63 Resp: 313079
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.3 30.5

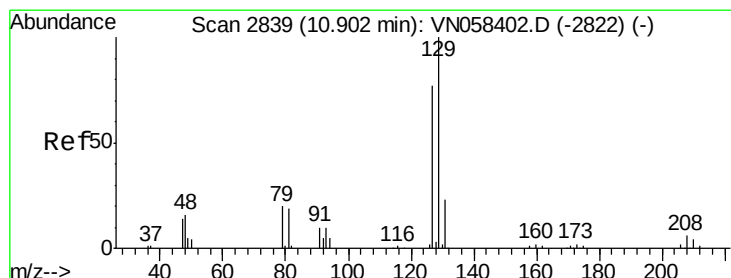
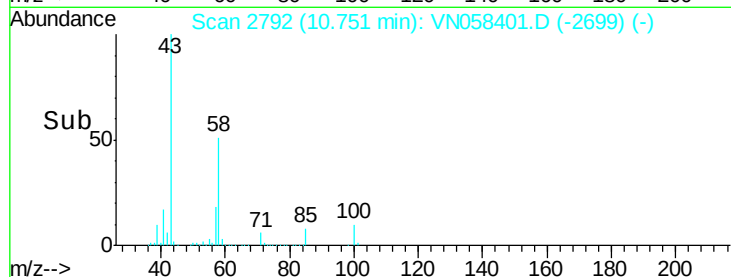
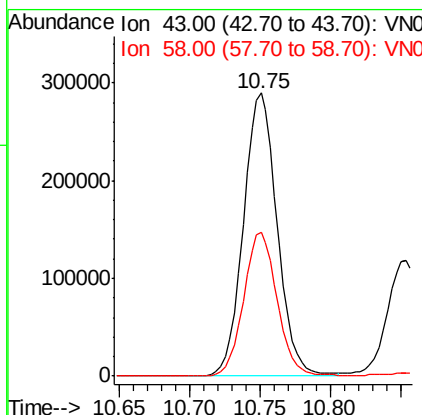
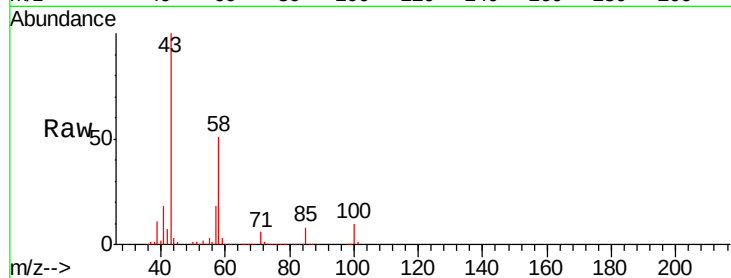




#59
2-Hexanone
Concen: 112.089 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

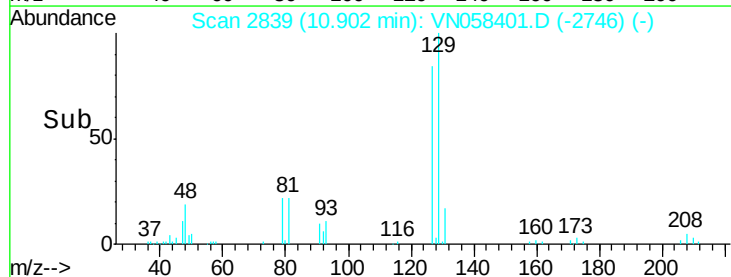
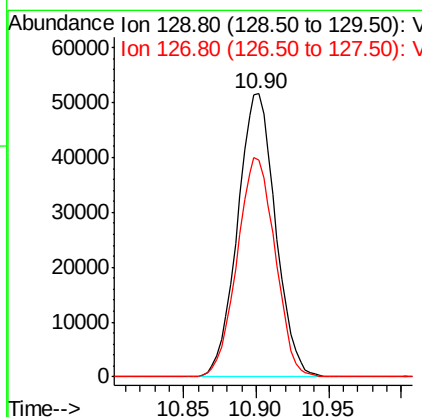
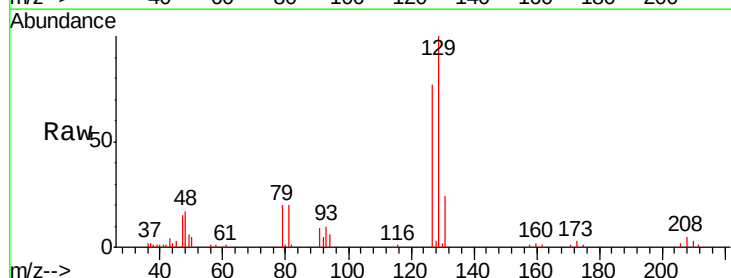
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

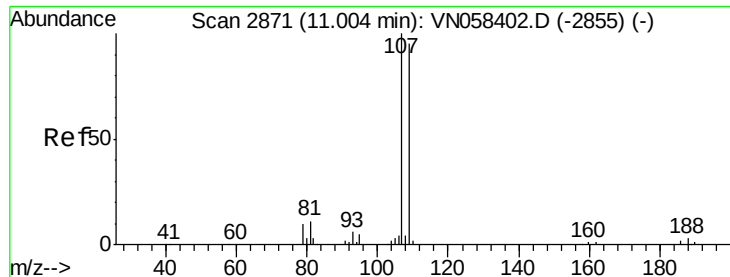
Tgt Ion: 43 Resp: 484026
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 20.239 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 129 Resp: 93938
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8

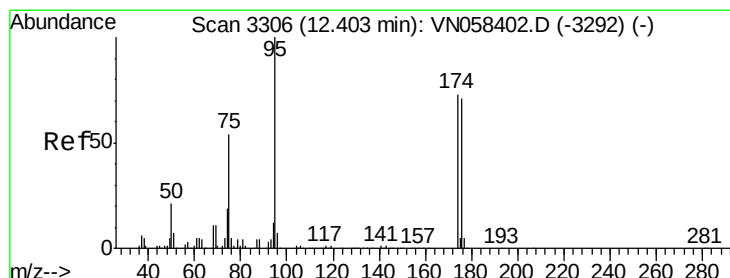
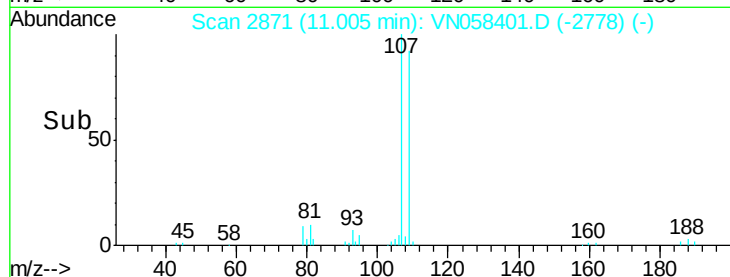
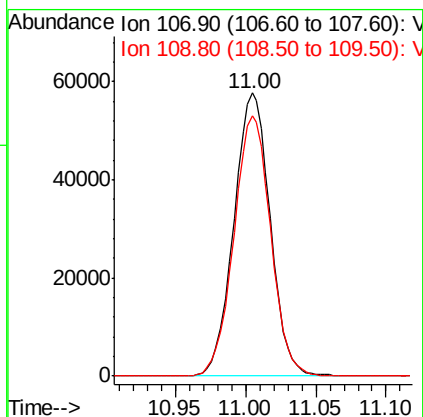
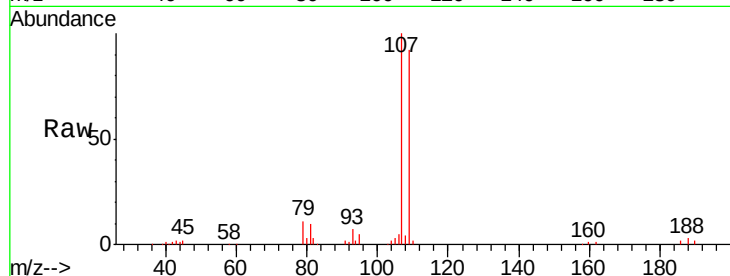




#61
 1,2-Dibromoethane
 Concen: 22.816 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

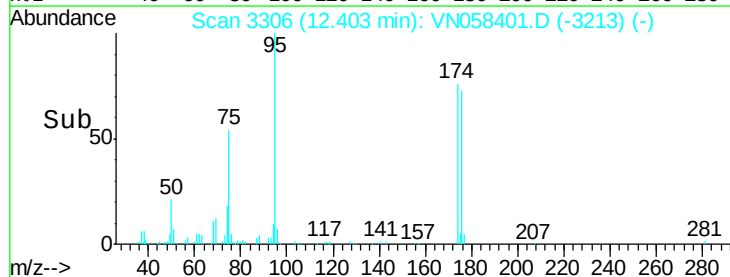
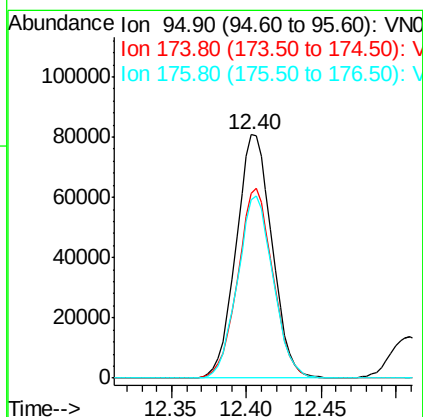
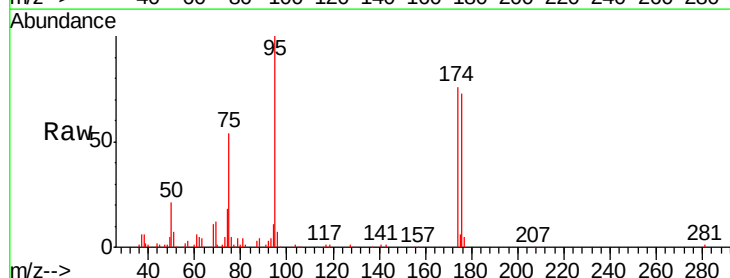
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

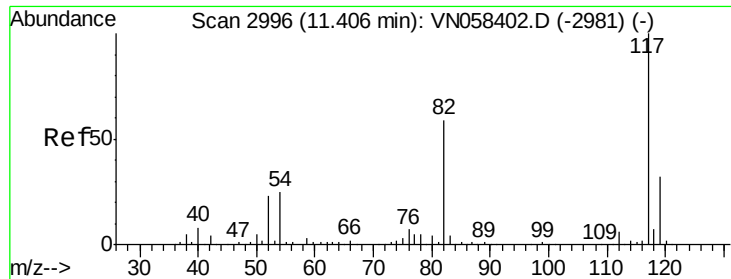
Tgt Ion: 107 Resp: 104035
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 19.753 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion: 95 Resp: 134876
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 150.6
 176 73.9 0.0 146.2

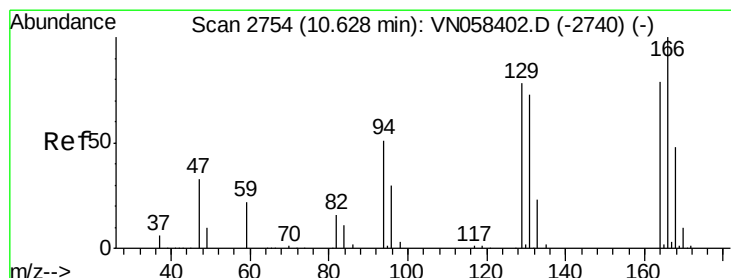
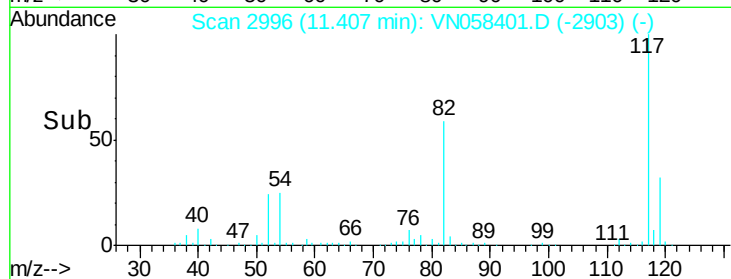
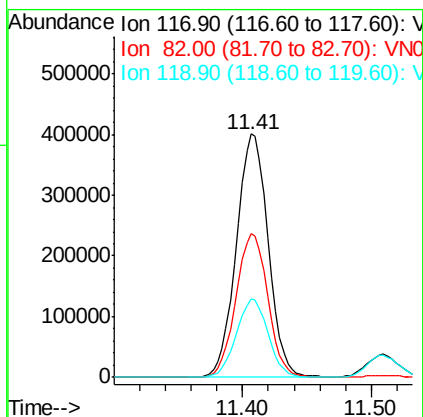
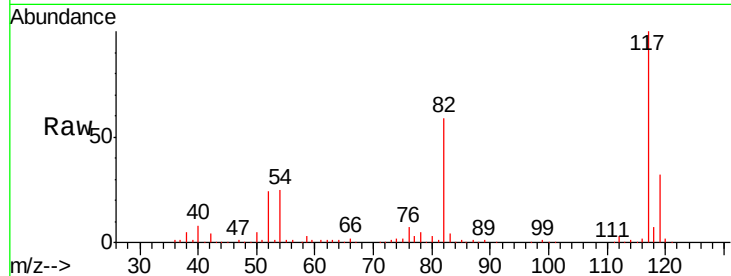




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

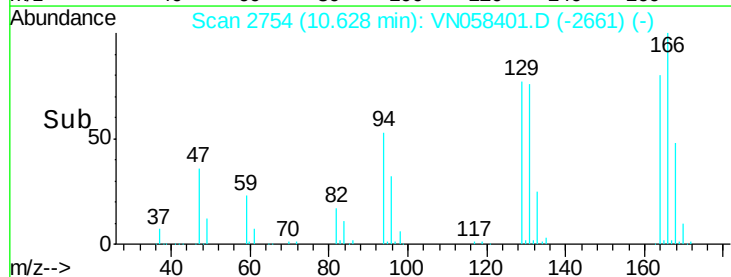
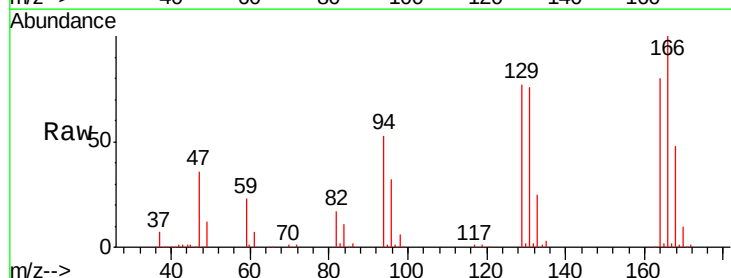
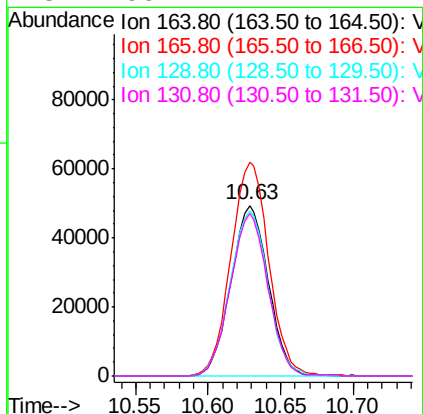
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

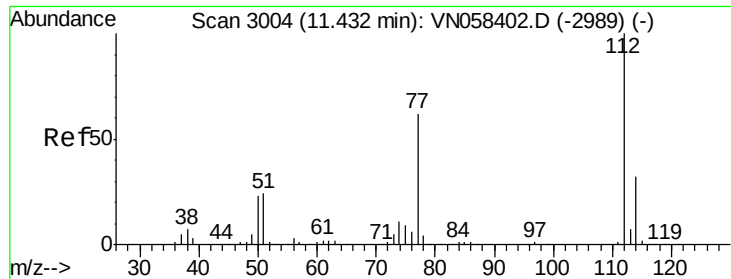
Tgt Ion:117 Resp: 689099
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 24.887 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion:164 Resp: 88791
Ion Ratio Lower Upper
164 100
166 125.3 101.1 151.7
129 96.7 79.2 118.8
131 95.7 74.1 111.1

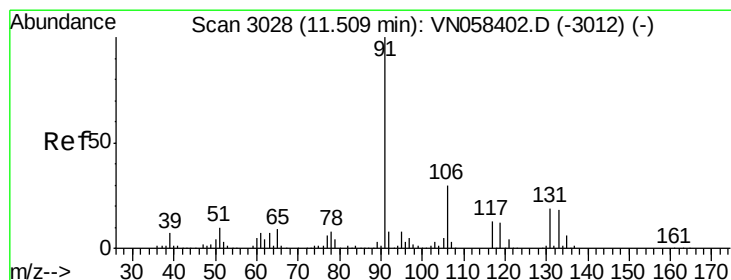
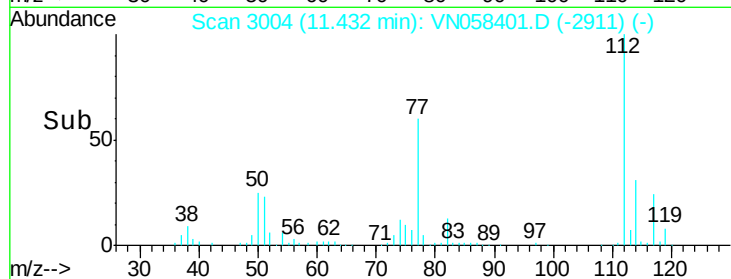
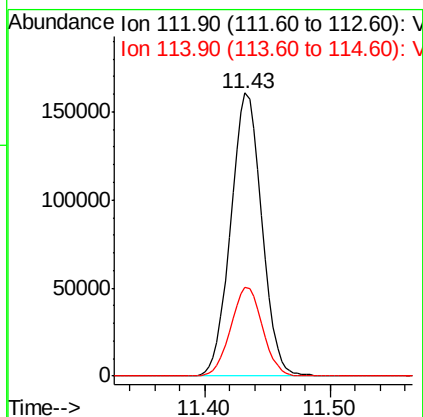
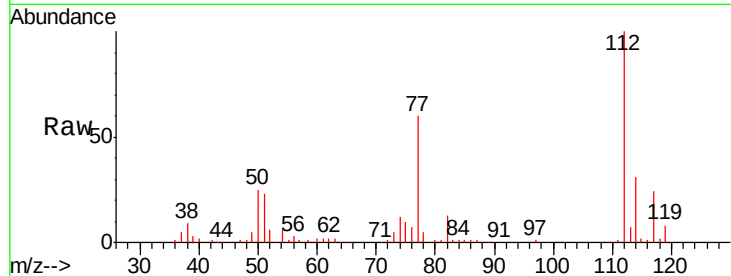




#65
Chlorobenzene
Concen: 22.142 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

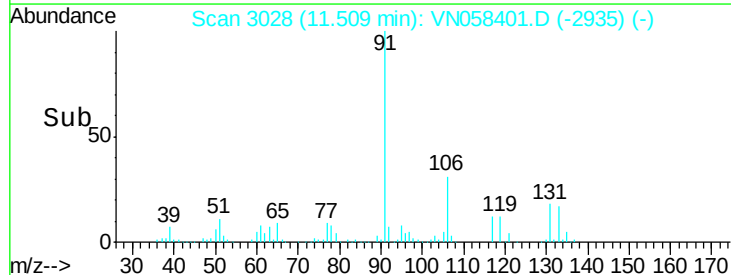
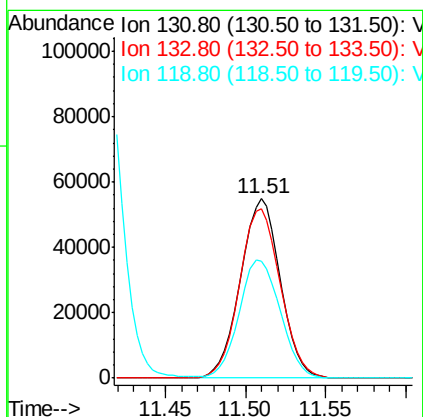
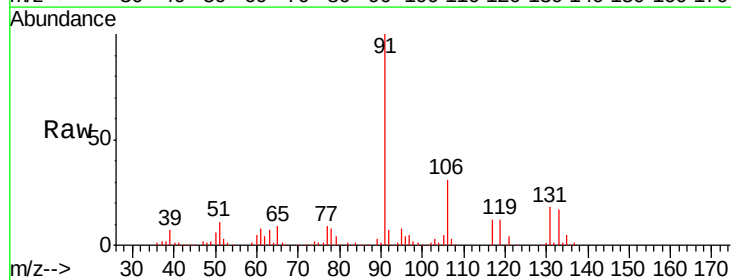
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

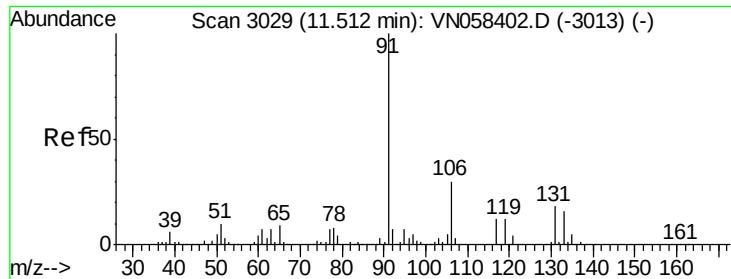
Tgt Ion:112 Resp: 276538
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.929 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion:131 Resp: 93322
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 68.0 33.0 99.0

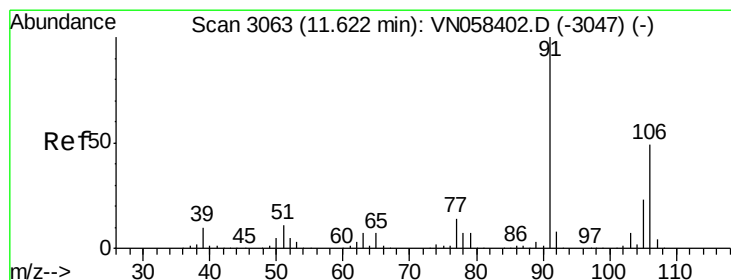
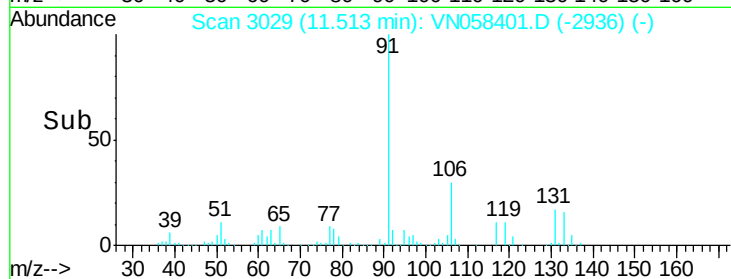
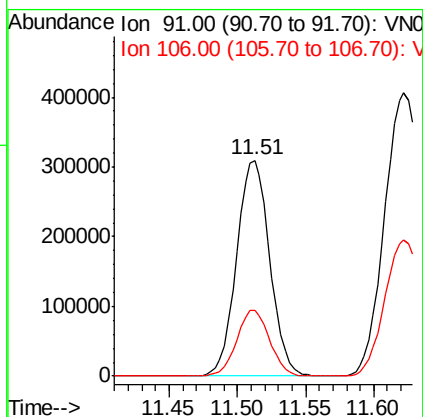
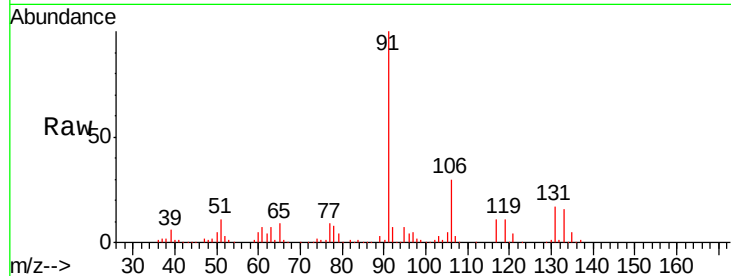




#67
Ethyl Benzene
Concen: 24.172 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

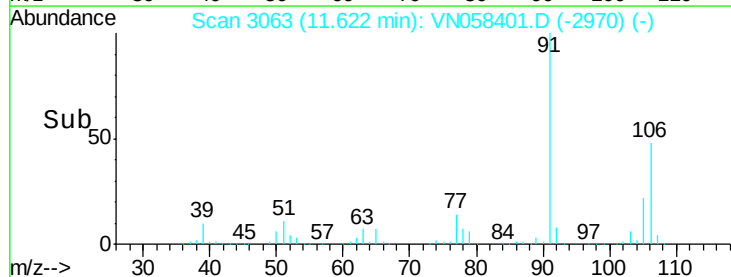
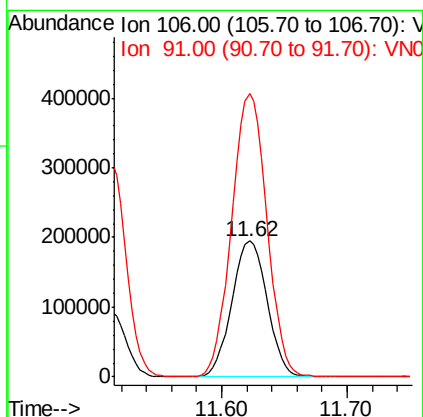
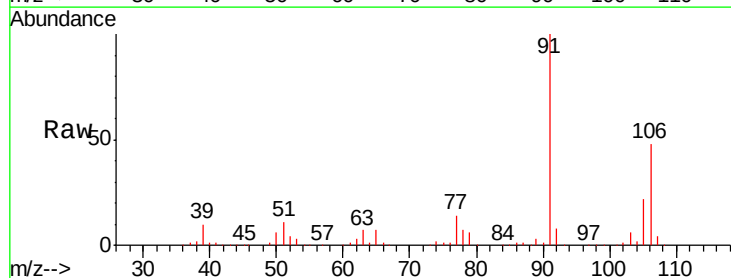
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

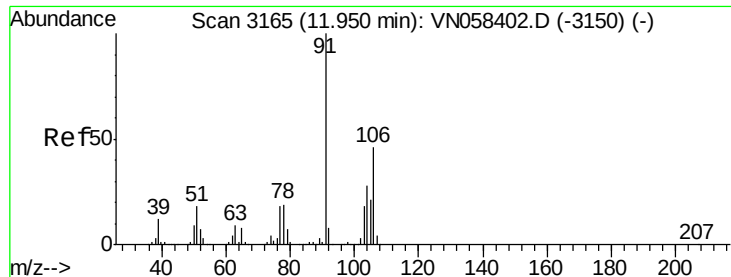
Tgt Ion: 91 Resp: 521566
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 46.795 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion: 106 Resp: 380783
Ion Ratio Lower Upper
106 100
91 207.0 165.0 247.4

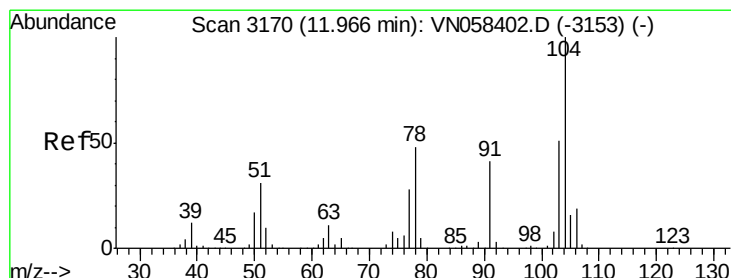
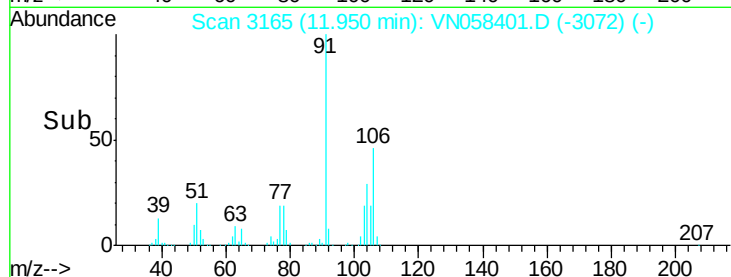
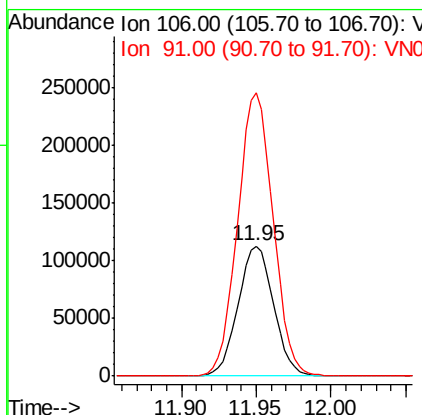
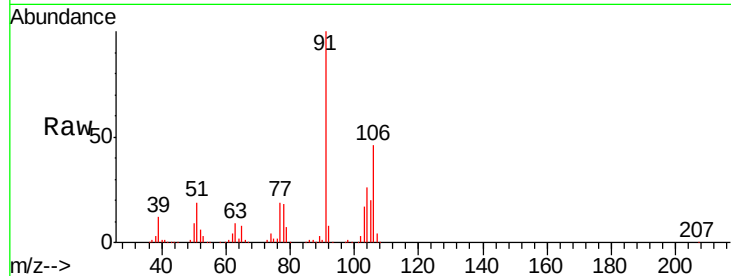




#69
o-Xylene
Concen: 23.338 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

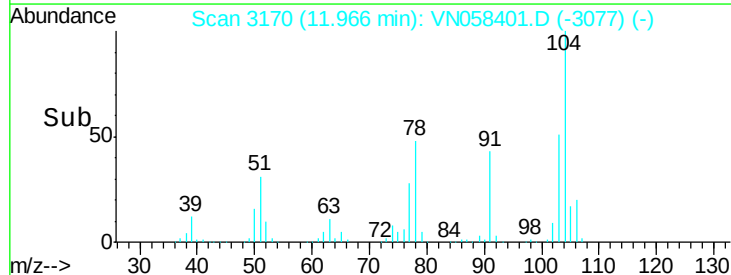
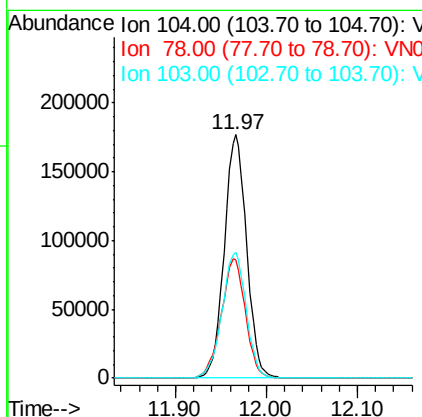
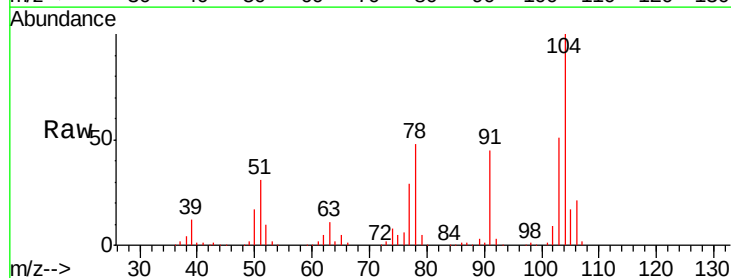
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

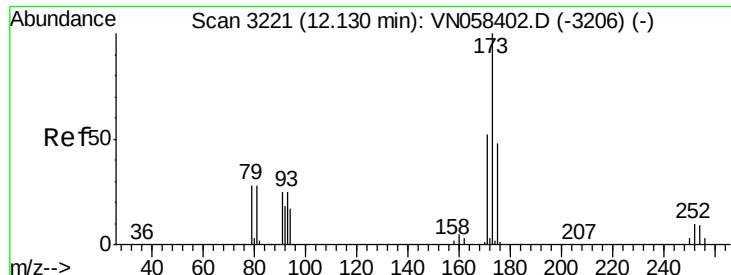
Tgt Ion:106 Resp: 185766
Ion Ratio Lower Upper
106 100
91 218.3 109.1 327.4



#70
Styrene
Concen: 22.266 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion:104 Resp: 302048
Ion Ratio Lower Upper
104 100
78 53.1 42.8 64.2
103 55.8 43.7 65.5





#71

Bromoform

Concen: 19.369 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

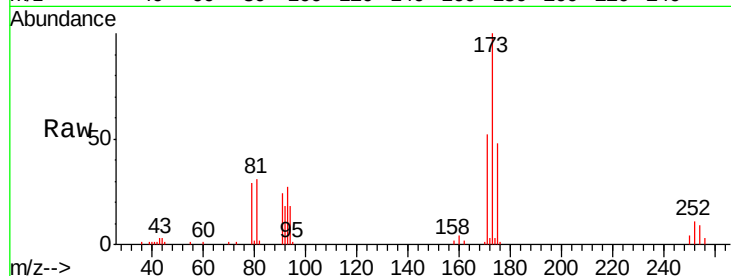
Tgt Ion:173 Resp: 54374

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

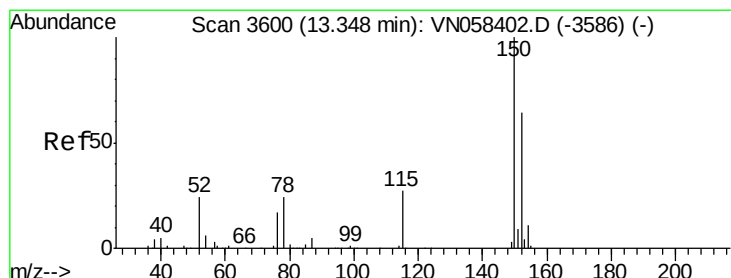
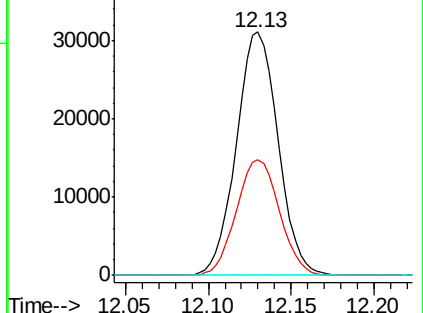
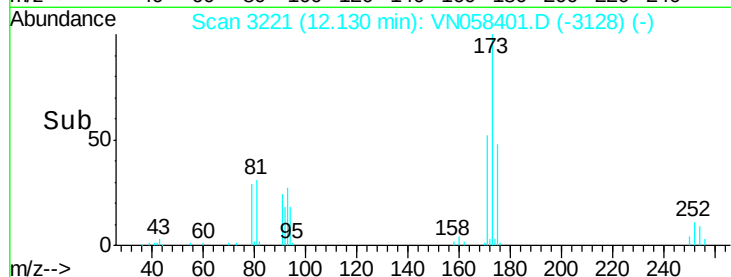
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

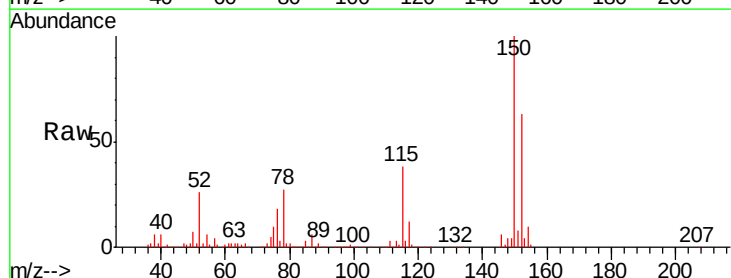
Tgt Ion:152 Resp: 317032

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

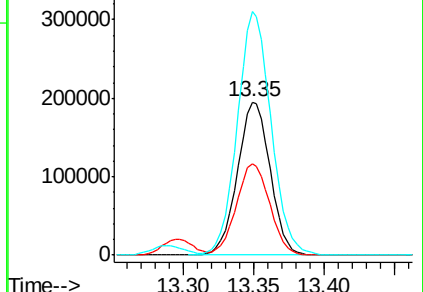
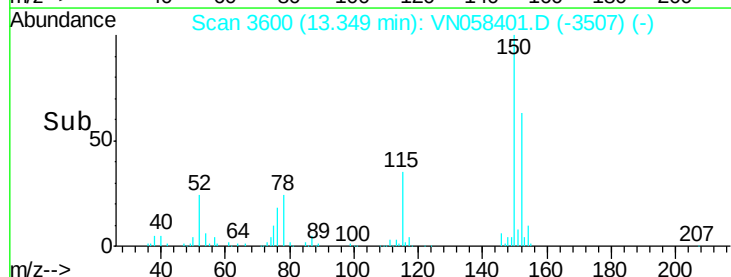
150 164.1 0.0 348.2

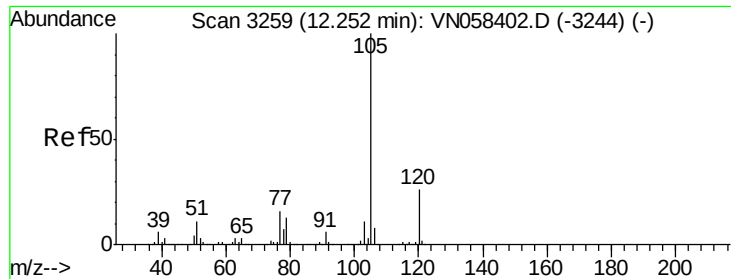


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.339 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

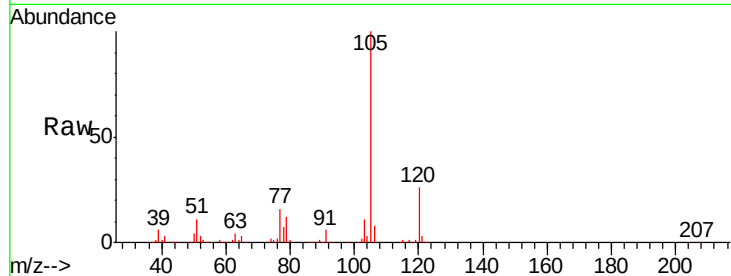
VSTDIC020

Tgt Ion:105 Resp: 499354

Ion Ratio Lower Upper

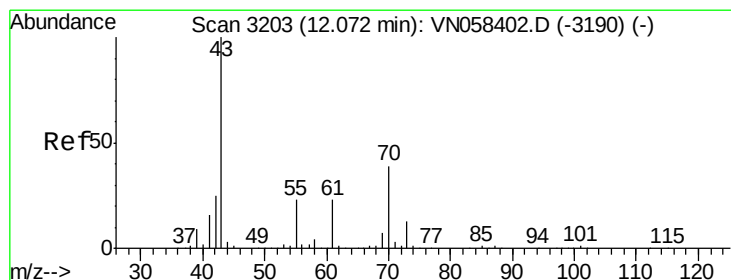
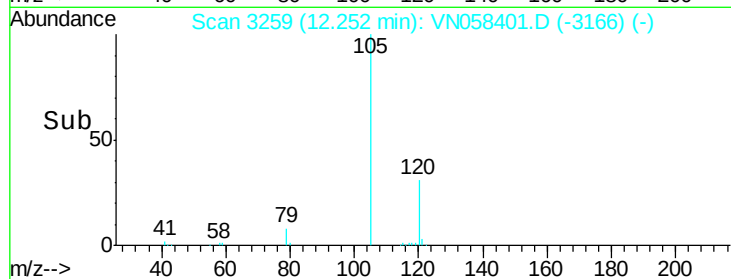
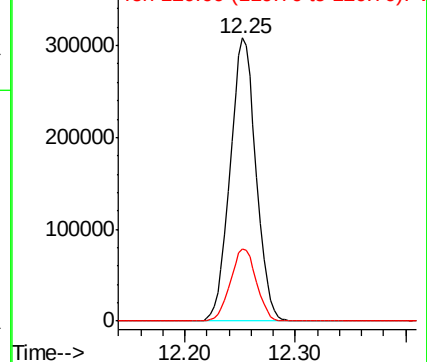
105 100

120 25.8 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.486 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Tgt Ion: 43 Resp: 190727

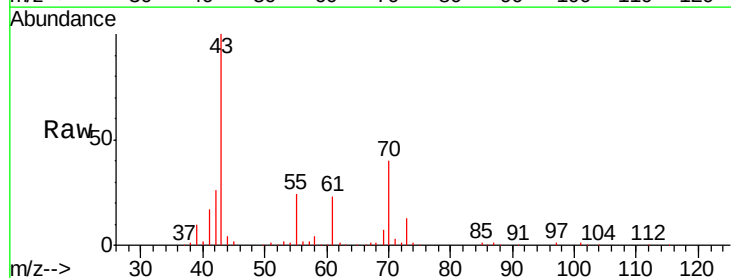
Ion Ratio Lower Upper

43 100

70 39.8 31.4 47.2

55 24.7 18.2 27.4

61 23.0 18.3 27.5

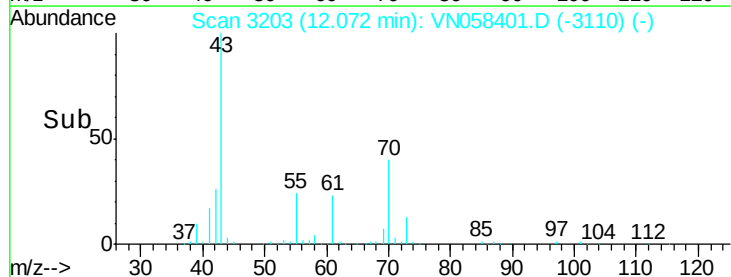
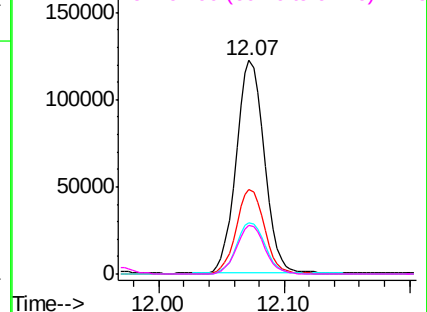


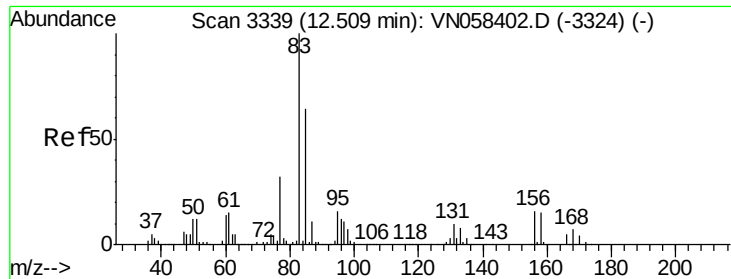
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.610 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

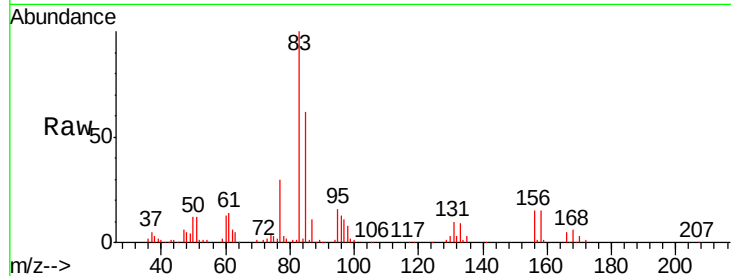
Tgt Ion: 83 Resp: 144688

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 63.0 32.0 96.0



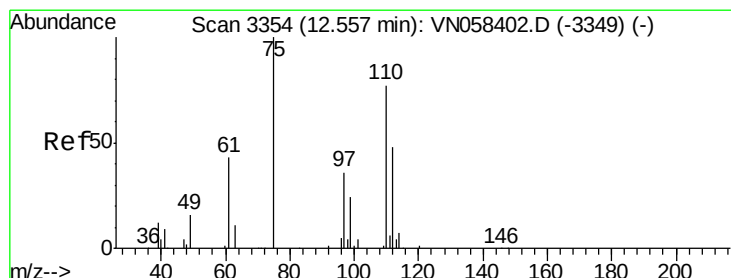
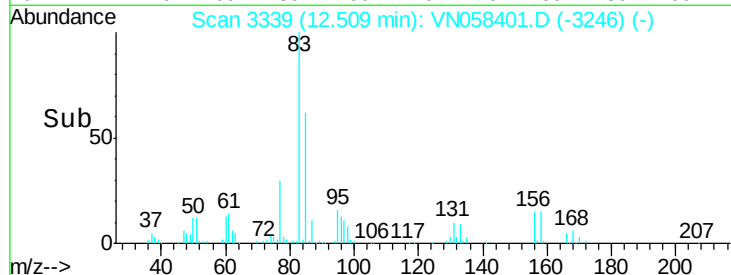
Abundance Ion 82.90 (82.60 to 83.60): VN058401.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN058401.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN058401.D (-3246) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.063 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058401.D

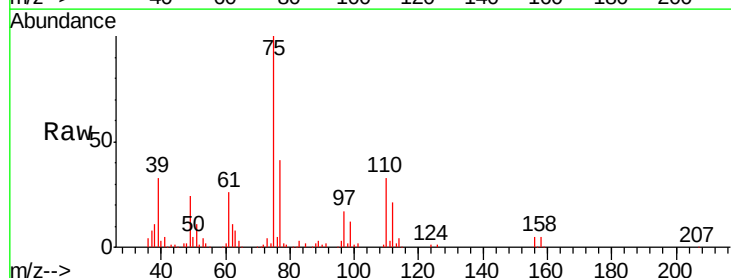
Acq: 27 Sep 2019 11:55

Tgt Ion: 75 Resp: 178765

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

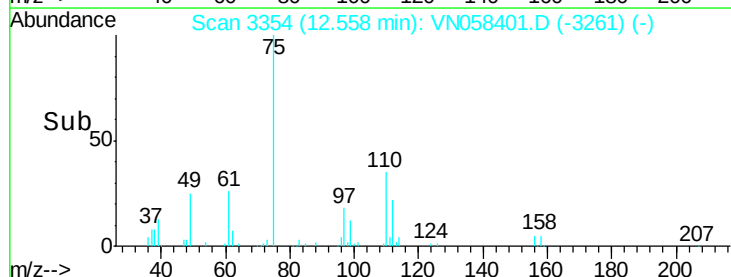


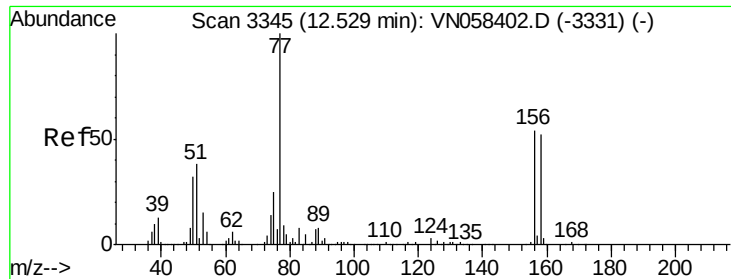
Abundance Ion 74.90 (74.60 to 75.60): VN058401.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058401.D (-3261) (-)

12.56

Time-->





#77

Bromobenzene

Concen: 22.043 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

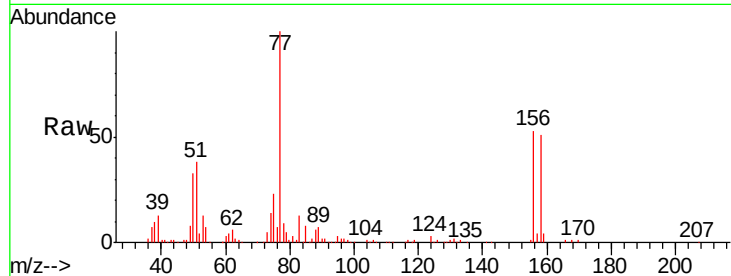
Tgt Ion:156 Resp: 112764

Ion Ratio Lower Upper

156 100

77 221.3 110.0 330.0

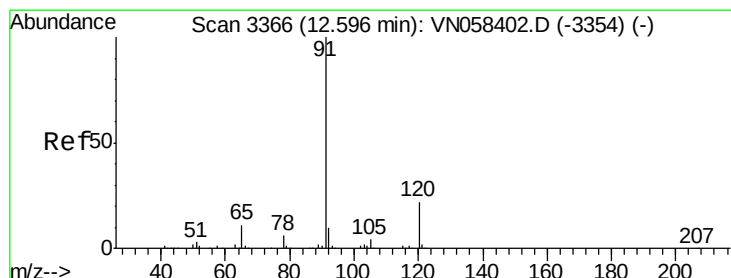
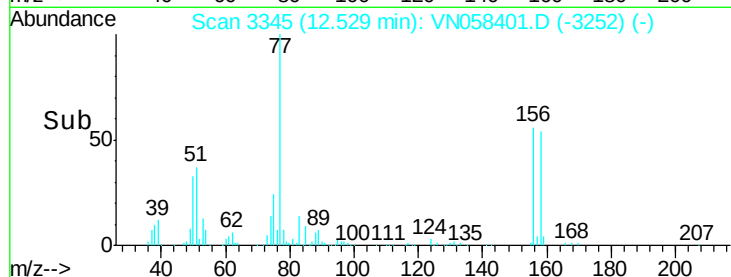
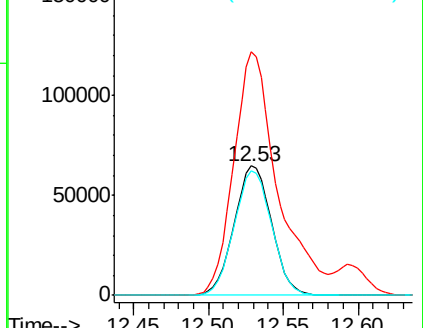
158 97.0 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.359 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058401.D

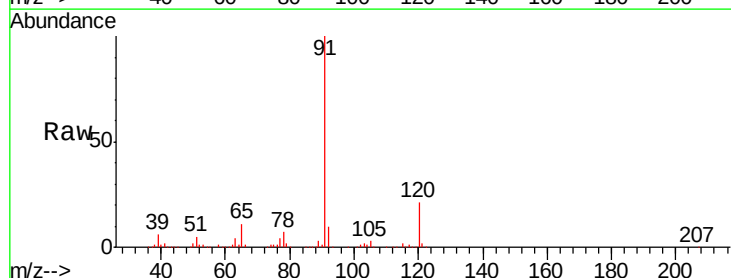
Acq: 27 Sep 2019 11:55

Tgt Ion: 91 Resp: 568282

Ion Ratio Lower Upper

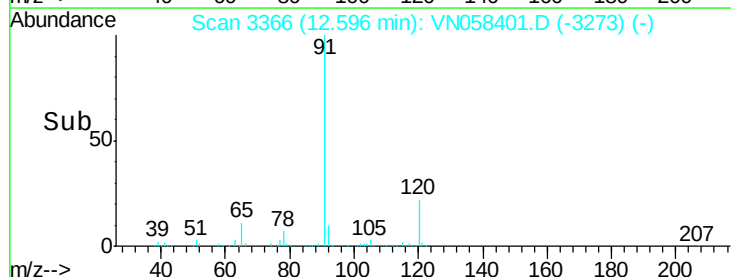
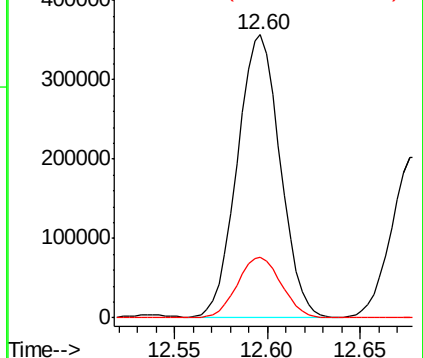
91 100

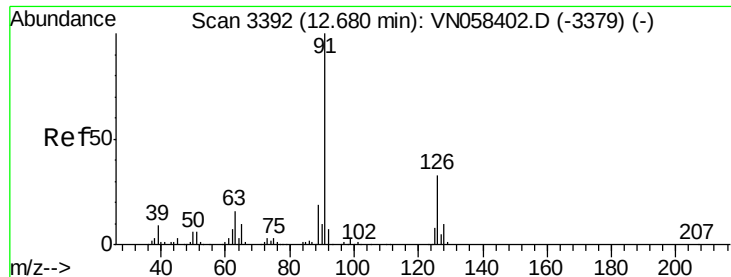
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.012 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

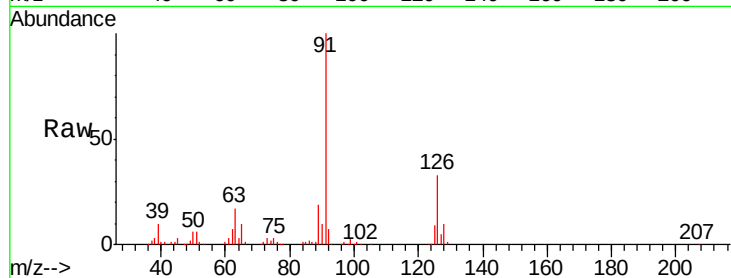
VSTDIC020

Tgt Ion: 91 Resp: 333675

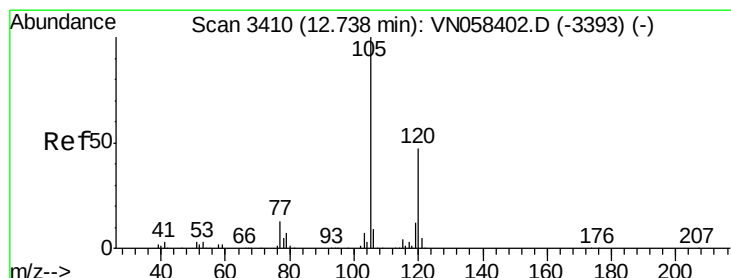
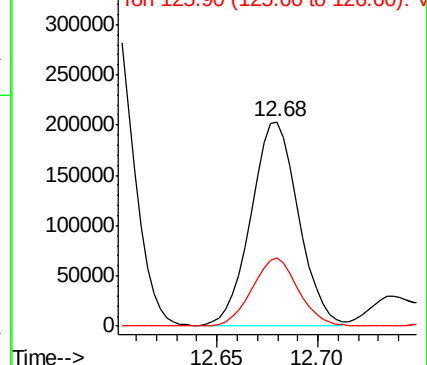
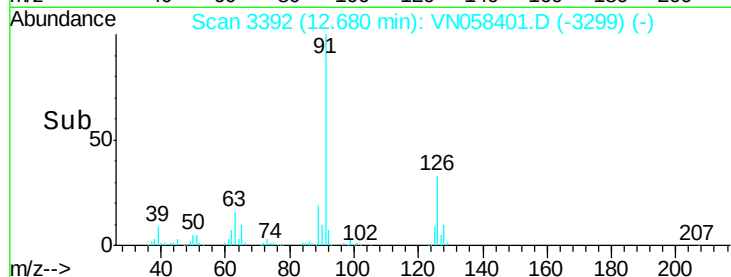
Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058401.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.082 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058401.D

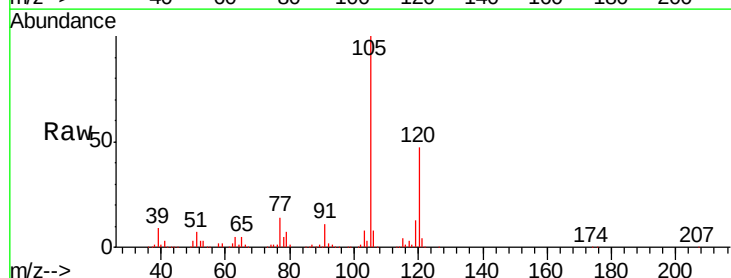
Acq: 27 Sep 2019 11:55

Tgt Ion: 105 Resp: 416437

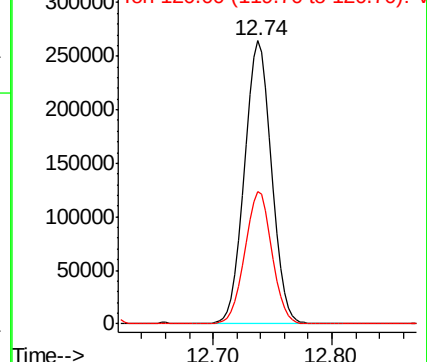
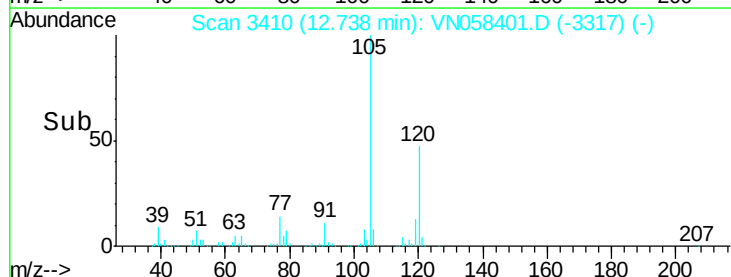
Ion Ratio Lower Upper

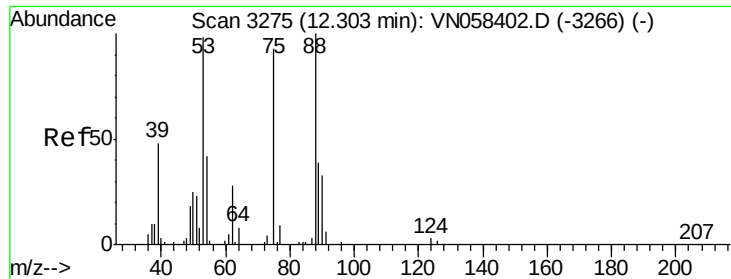
105 100

120 46.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058401.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.675 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

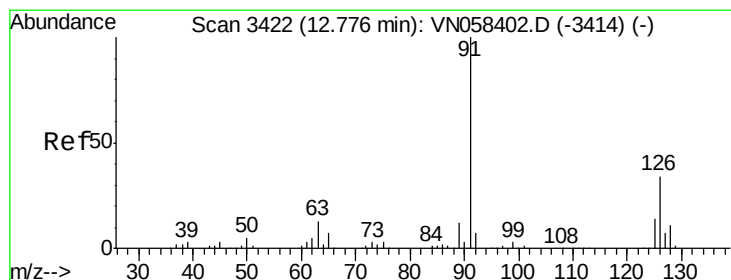
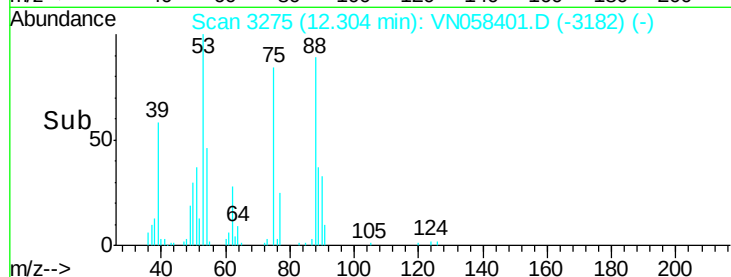
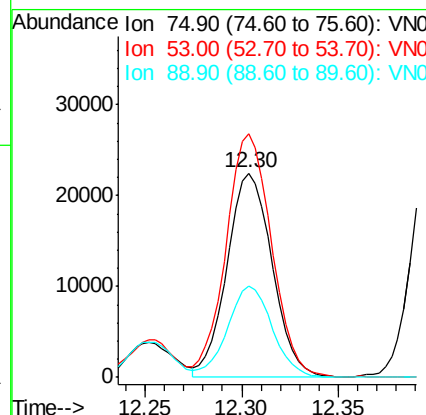
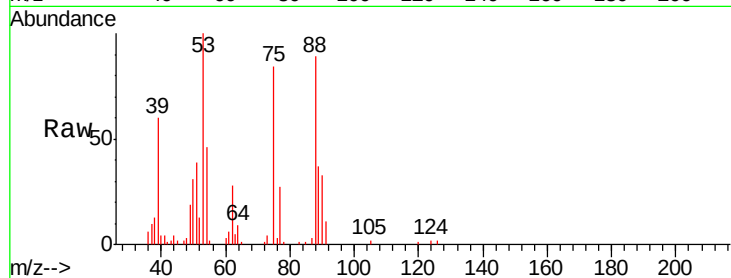
Tgt Ion: 75 Resp: 36599

Ion Ratio Lower Upper

75 100

53 120.2 85.4 128.0

89 44.2 35.0 52.4



#82

4-Chlorotoluene

Concen: 22.872 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058401.D

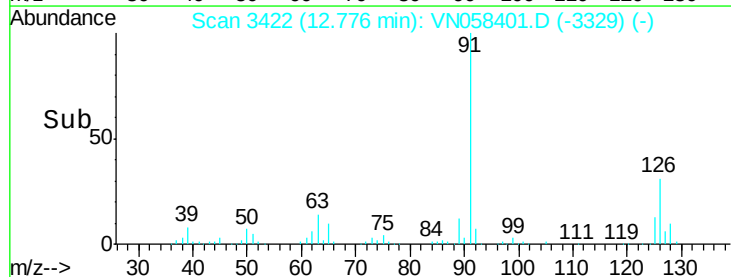
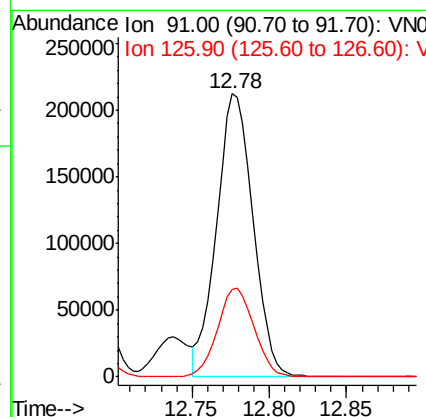
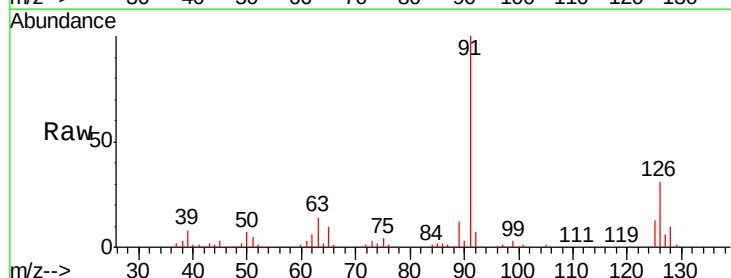
Acq: 27 Sep 2019 11:55

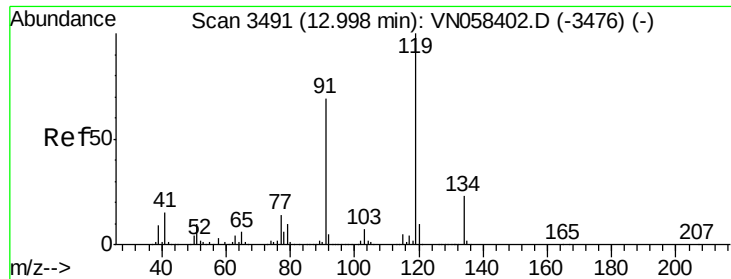
Tgt Ion: 91 Resp: 346803

Ion Ratio Lower Upper

91 100

126 31.6 15.9 47.7

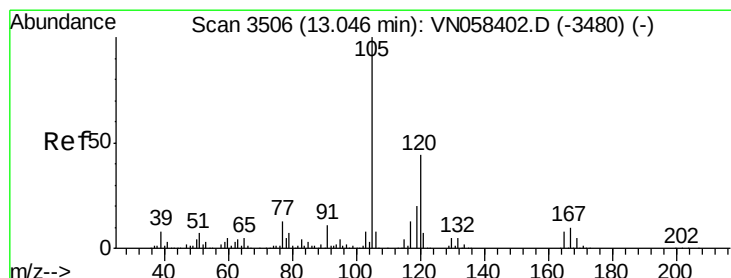
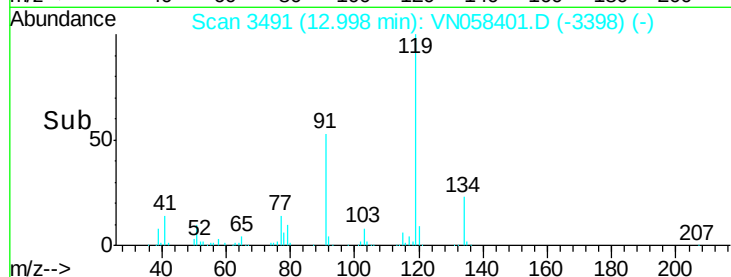
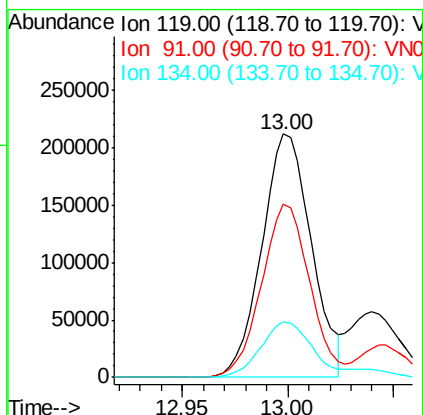
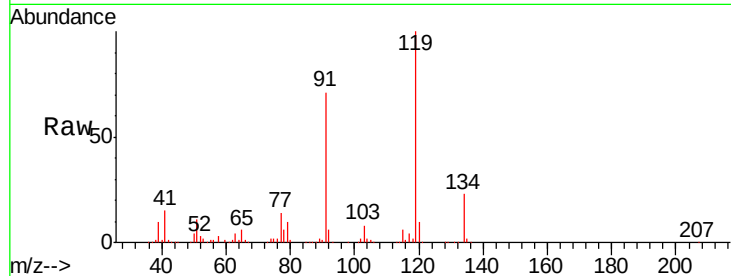




#83
 tert-Butylbenzene
 Concen: 22.752 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

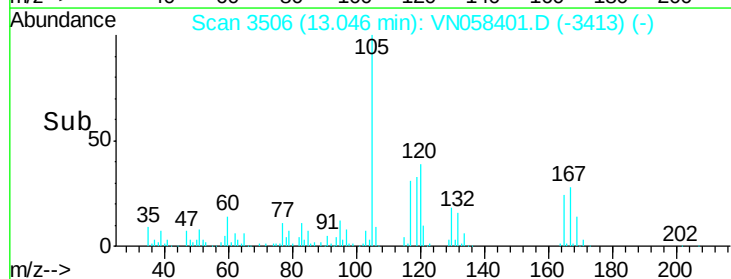
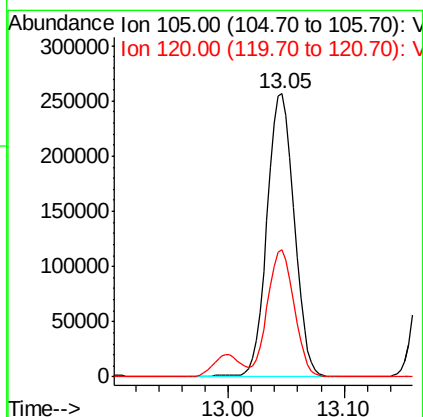
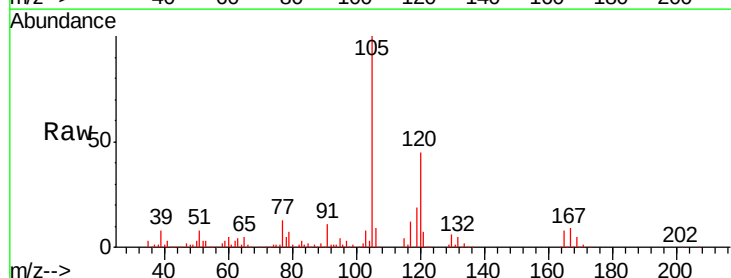
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

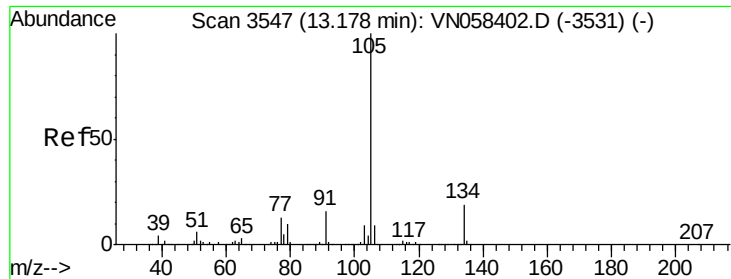
Tgt Ion:119 Resp: 347486
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.2 102.6
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 24.225 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion:105 Resp: 417114
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 23.076 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

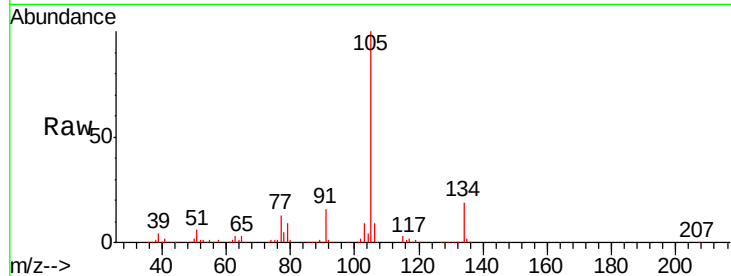
VSTDIC020

Tgt Ion:105 Resp: 460865

Ion Ratio Lower Upper

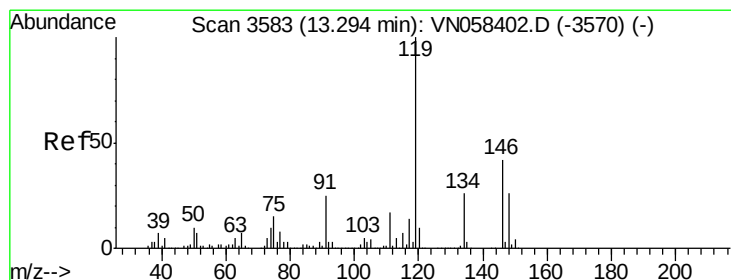
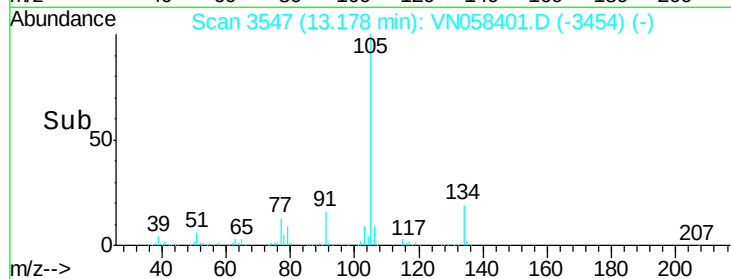
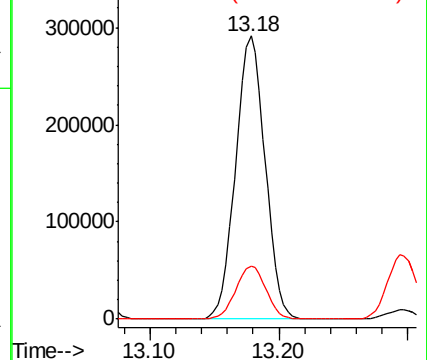
105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.874 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

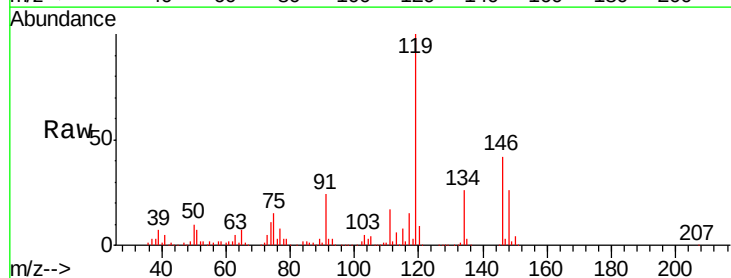
Tgt Ion:119 Resp: 405226

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

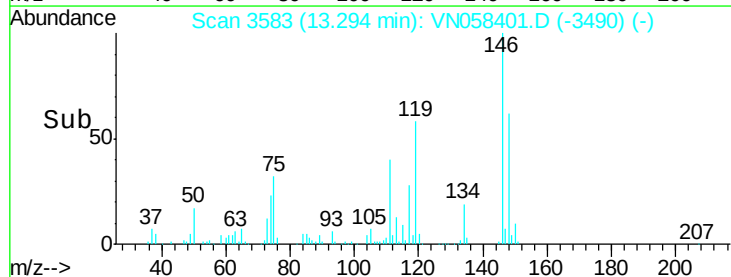
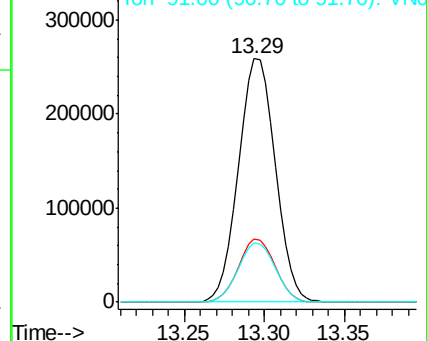
91 24.7 12.4 37.0

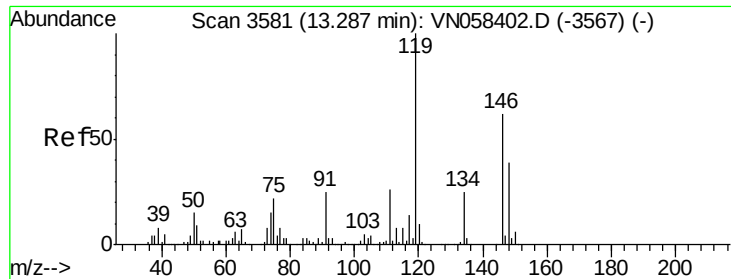


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

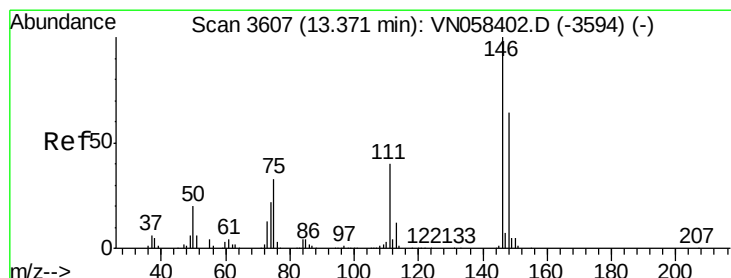
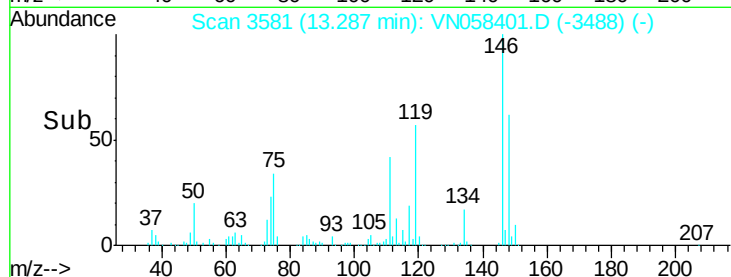
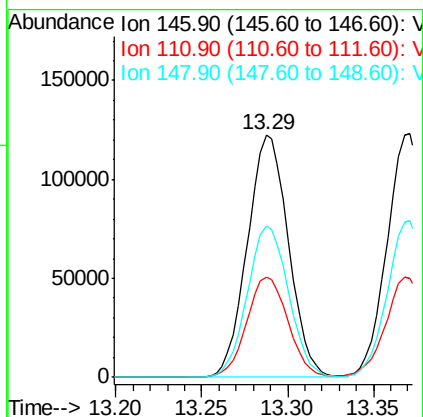
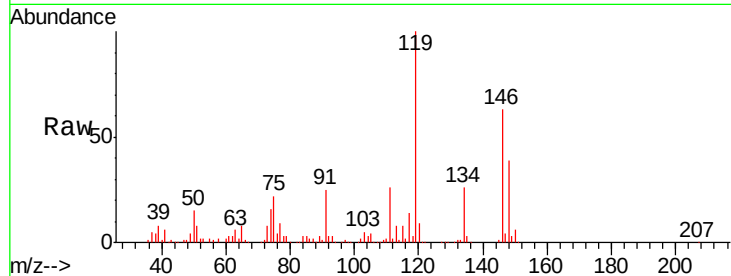




#87
 1,3-Dichlorobenzene
 Concen: 21.850 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

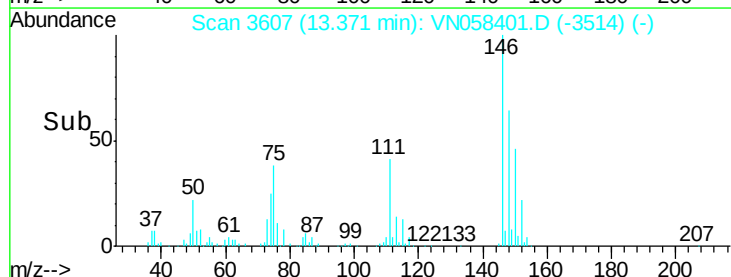
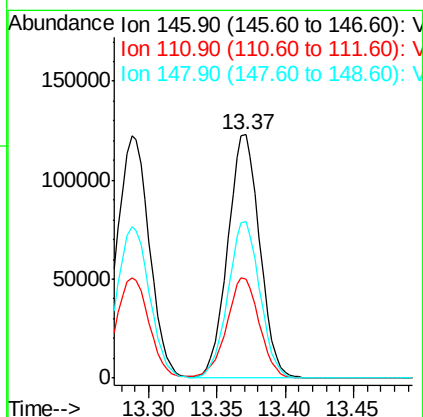
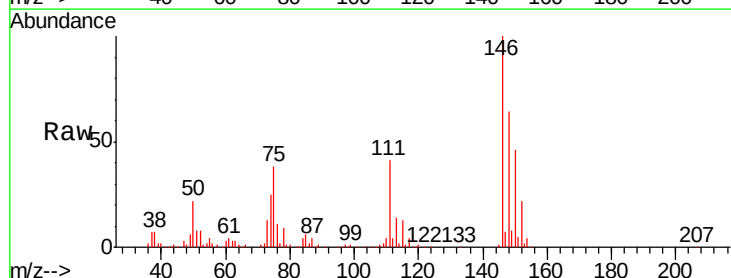
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

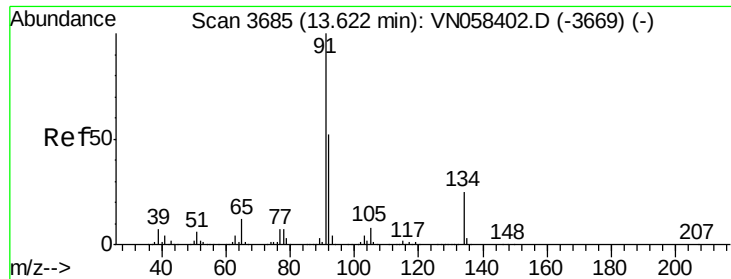
Tgt Ion:146 Resp: 202697
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.4
 148 62.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.248 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion:146 Resp: 200653
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.5 61.6
 148 64.2 31.5 94.5





#89

n-Butylbenzene

Concen: 21.959 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058401.D

Acq: 27 Sep 2019 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

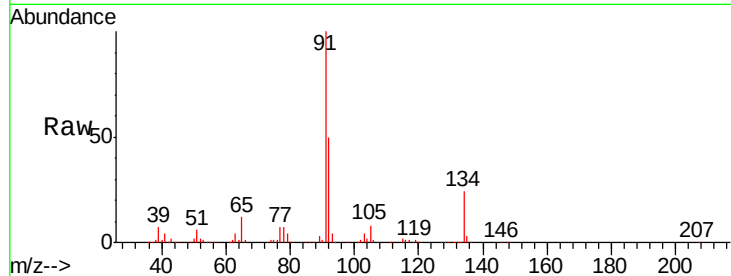
Tgt Ion: 91 Resp: 363738

Ion Ratio Lower Upper

91 100

92 50.1 25.7 77.1

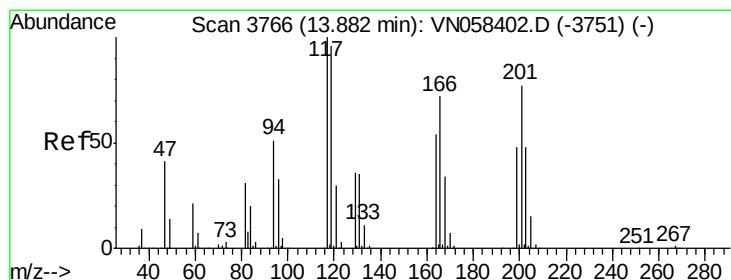
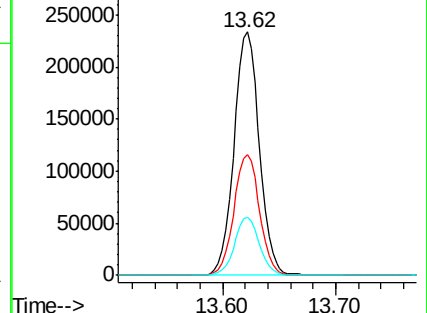
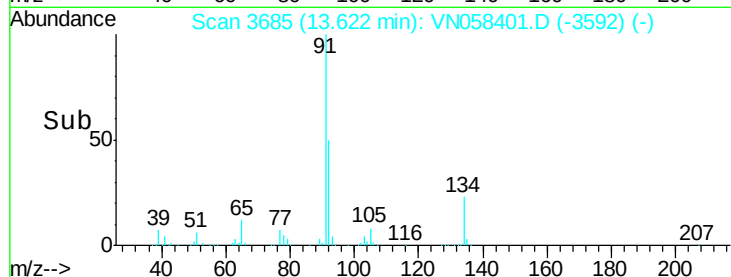
134 23.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058401.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058401.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058401.D (-3592) (-)



#90

Hexachloroethane

Concen: 21.765 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058401.D

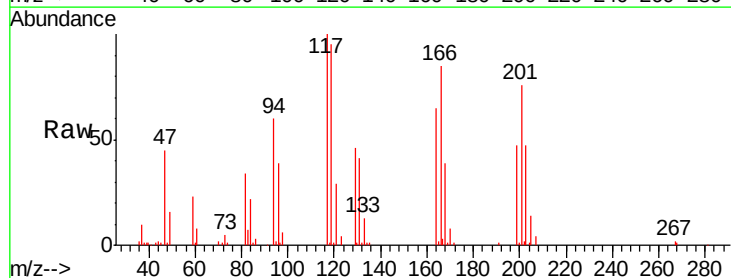
Acq: 27 Sep 2019 11:55

Tgt Ion: 117 Resp: 59696

Ion Ratio Lower Upper

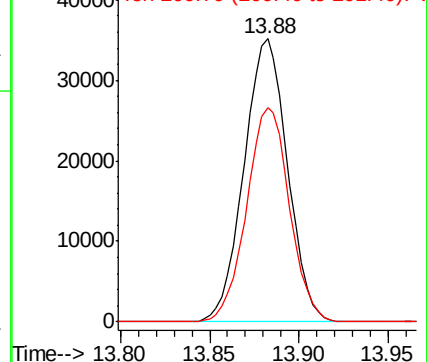
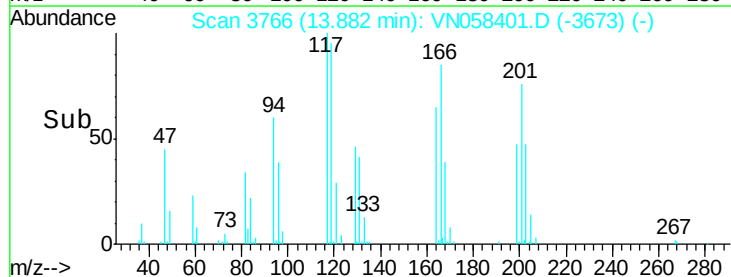
117 100

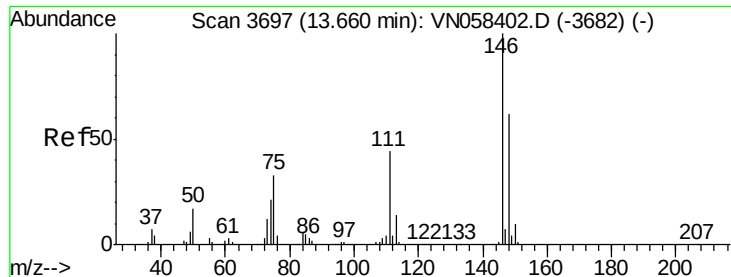
201 74.7 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058401.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058401.D (-3673) (-)

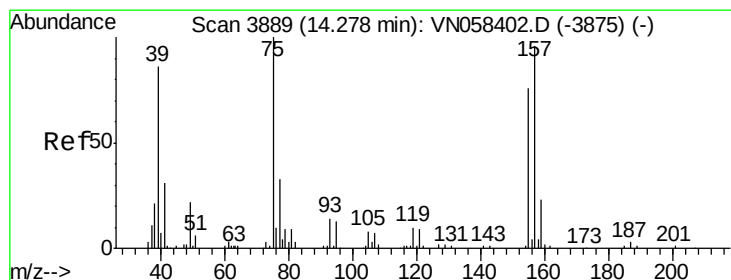
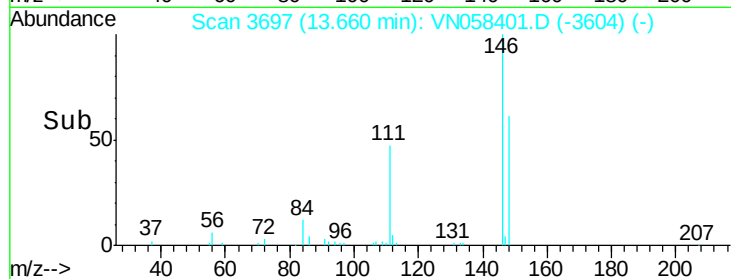
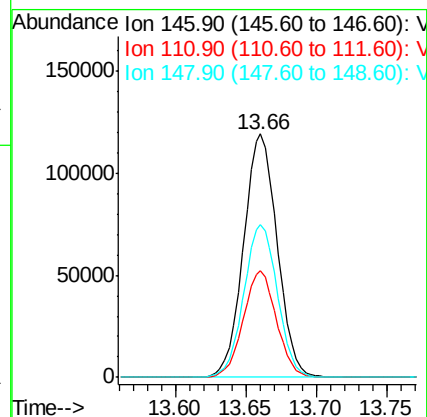
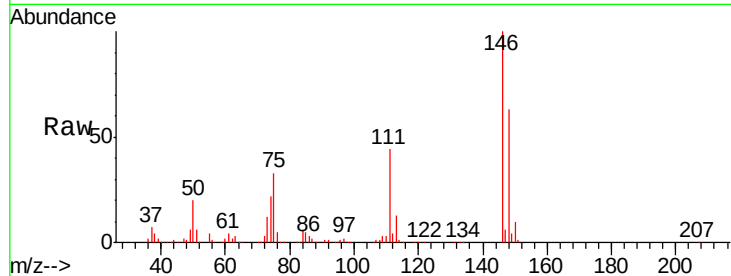




#91
 1,2-Dichlorobenzene
 Concen: 21.651 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

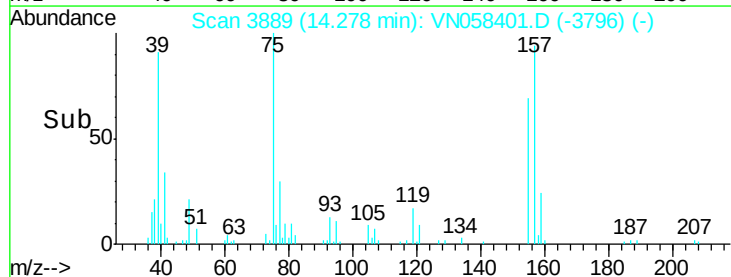
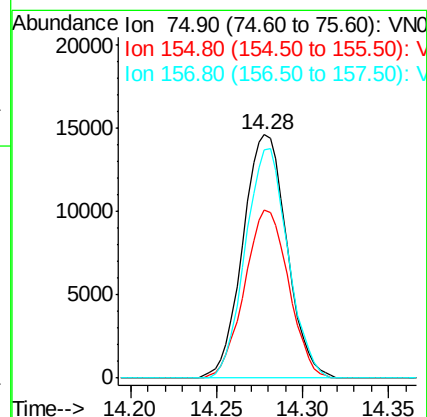
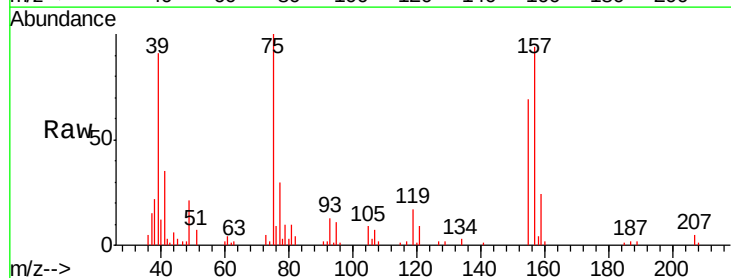
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

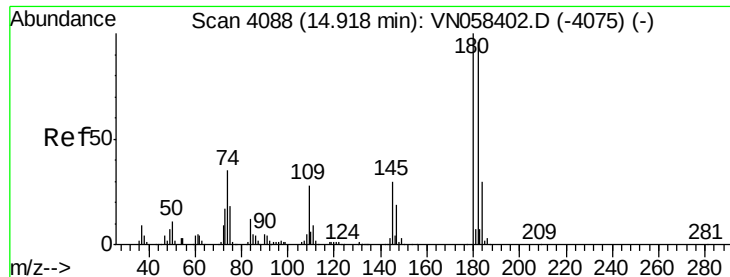
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	62.8	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.573 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	39.2	117.6
157	90.7	48.7	146.1

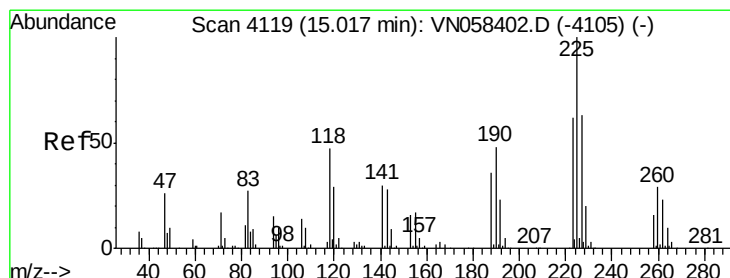
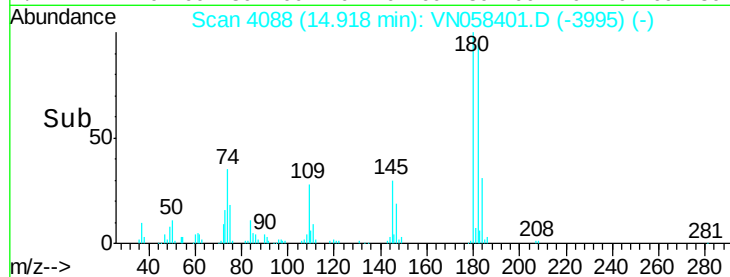
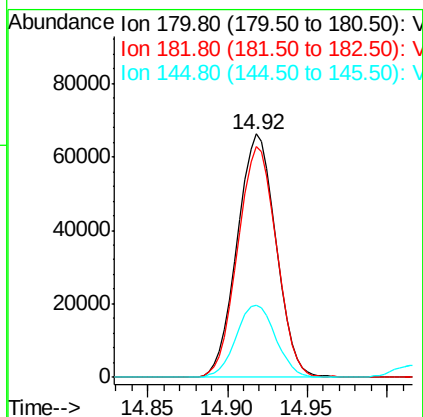
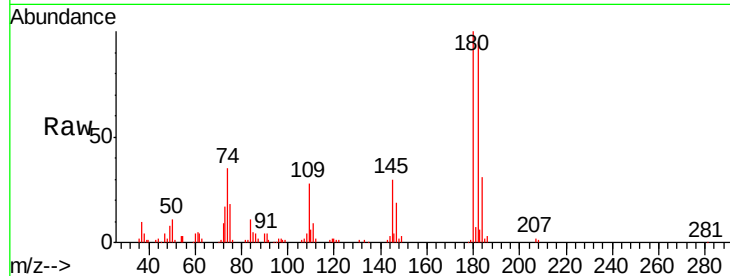




#93
 1,2,4-Trichlorobenzene
 Concen: 18.846 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

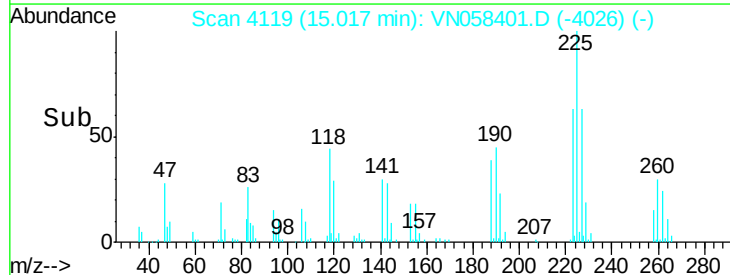
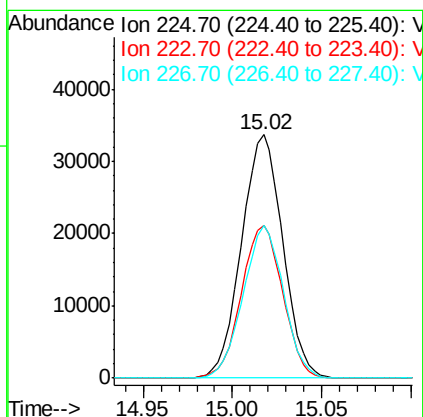
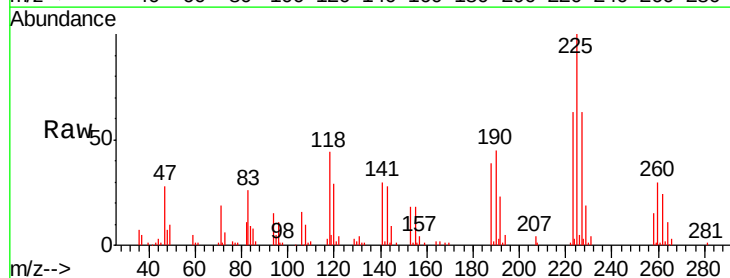
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

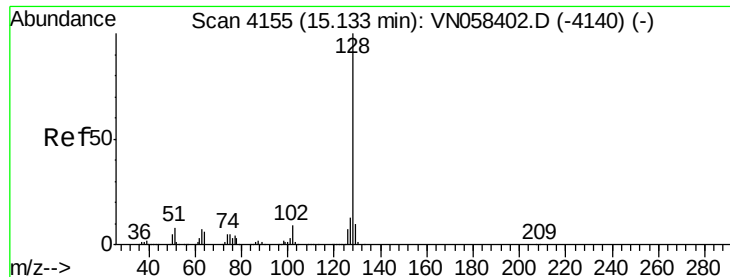
Tgt Ion:180 Resp: 109397
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.4 142.3
 145 30.4 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.437 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058401.D
 Acq: 27 Sep 2019 11:55

Tgt Ion:225 Resp: 54627
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 61.3 31.4 94.2

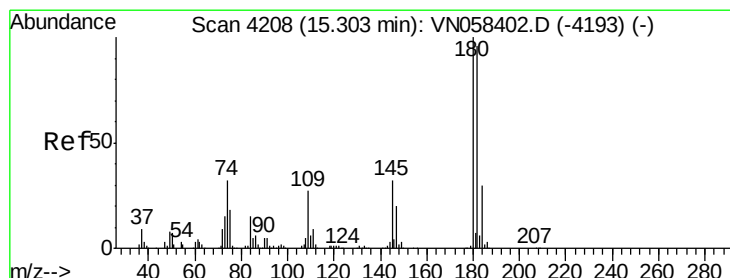
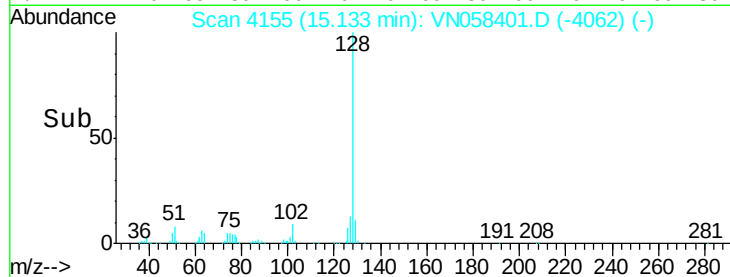
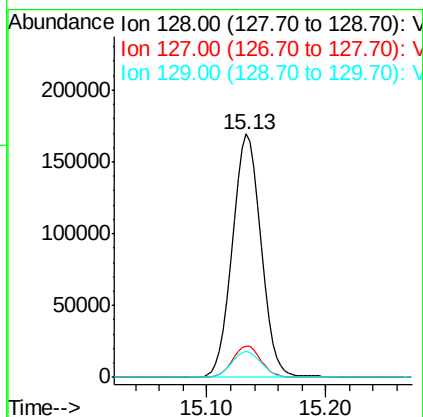
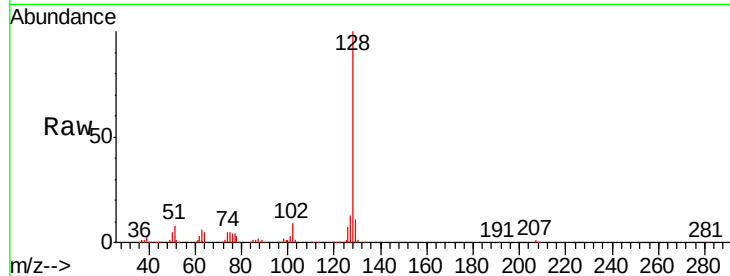




#95
Naphthalene
Concen: 18.878 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 283335
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 18.019 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058401.D
Acq: 27 Sep 2019 11:55

Tgt Ion:180 Resp: 98237
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.9
145 32.4 16.1 48.3

