

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058400.D
 Acq On : 27 Sep 2019 11:33
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 27 23:05:01 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	460224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	774797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289291	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	33584	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
35) Dibromofluoromethane	7.57	113	21924	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
50) Toluene-d8	10.08	98	88594	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.41	95	30869	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	25852	6.374 ug/l	99
3) Chloromethane	2.03	50	27588	6.988 ug/l	98
4) Vinyl Chloride	2.17	62	27776	6.881 ug/l	100
5) Bromomethane	2.52	94	15063	7.309 ug/l	95
6) Chloroethane	2.67	64	17399	6.653 ug/l	90
7) Trichlorofluoromethane	2.99	101	33382	6.063 ug/l	98
8) Diethyl Ether	3.39	74	14899	6.023 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22831	5.838 ug/l	95
10) Methyl Iodide	3.93	142	20000	5.615 ug/l #	93
11) Tert butyl alcohol	4.76	59	9381	12.326 ug/l #	89
12) 1,1-Dichloroethene	3.71	96	22489	6.550 ug/l	98
13) Acrolein	3.58	56	5729	42.907 ug/l	93
14) Allyl chloride	4.30	41	38623	5.957 ug/l	97
15) Acrylonitrile	4.96	53	54356	26.296 ug/l	97
16) Acetone	3.80	43	59184	26.541 ug/l	100
17) Carbon Disulfide	4.03	76	53534	8.635 ug/l	99
18) Methyl Acetate	4.30	43	29250	5.074 ug/l	98
19) Methyl tert-butyl Ether	5.02	73	78149	5.437 ug/l	99
20) Methylene Chloride	4.53	84	27784	6.222 ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	24813	6.663 ug/l	96
22) Diisopropyl ether	5.92	45	84176	5.323 ug/l #	84
23) Vinyl Acetate	5.87	43	323933	29.131 ug/l	100
24) 1,1-Dichloroethane	5.82	63	49008	5.711 ug/l	98
25) 2-Butanone	6.82	43	79512	26.388 ug/l	97
26) 2,2-Dichloropropane	6.80	77	38606	5.319 ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	29109	5.963 ug/l	98
28) Bromochloromethane	7.18	49	17234	4.424 ug/l #	100
29) Tetrahydrofuran	7.19	42	50163	26.748 ug/l	99
30) Chloroform	7.35	83	49543	5.432 ug/l	97
31) Cyclohexane	7.64	56	55642	8.084 ug/l #	88
32) 1,1,1-Trichloroethane	7.55	97	39384	5.599 ug/l	99
36) 1,1-Dichloropropene	7.78	75	37849	6.322 ug/l	99
37) Ethyl Acetate	6.91	43	31544	5.313 ug/l	96
38) Carbon Tetrachloride	7.76	117	33166	5.640 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058400.D
 Acq On : 27 Sep 2019 11:33
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Sep 27 23:05:01 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)
39) Methylcyclohexane	9.07	83	43975	6.799	ug/l	96
40) Benzene	8.03	78	111000	6.181	ug/l	99
41) Methacrylonitrile	7.14	41	8446	3.011	ug/l #	47
42) 1,2-Dichloroethane	8.11	62	42969	5.811	ug/l	100
43) Isopropyl Acetate	8.15	43	57886	5.249	ug/l	98
44) Trichloroethene	8.82	130	26273	5.967	ug/l	93
45) 1,2-Dichloropropane	9.11	63	28344	5.423	ug/l	100
46) Dibromomethane	9.20	93	18507	5.777	ug/l	98
47) Bromodichloromethane	9.39	83	32219	4.886	ug/l	97
48) Methyl methacrylate	9.19	41	26631	5.326	ug/l	99
49) 1,4-Dioxane	9.19	88	6882	86.751	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	156951	27.093	ug/l	98
52) Toluene	10.15	92	67017	5.997	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	32713	4.775	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	38592	5.089	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	24977	5.212	ug/l	98
56) Ethyl methacrylate	10.43	69	34417	4.943	ug/l	96
57) 1,3-Dichloropropane	10.71	76	45124	5.434	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	69981	21.960	ug/l	99
59) 2-Hexanone	10.75	43	111104	25.888	ug/l	99
60) Dibromochloromethane	10.90	129	19957	4.326	ug/l	100
61) 1,2-Dibromoethane	11.00	107	24396	5.383	ug/l	100
64) Tetrachloroethene	10.63	164	22543	6.449	ug/l	97
65) Chlorobenzene	11.43	112	69369	5.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	21283	4.872	ug/l	98
67) Ethyl Benzene	11.51	91	124155	5.873	ug/l	100
68) m/p-Xylenes	11.62	106	91682	11.500	ug/l	99
69) o-Xylene	11.95	106	44165	5.663	ug/l	100
70) Styrene	11.97	104	67808	5.102	ug/l	98
71) Bromoform	12.13	173	11978	4.355	ug/l #	100
73) Isopropylbenzene	12.25	105	115445	6.167	ug/l	99
74) N-amyl acetate	12.08	43	42442	5.484	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	33562	5.493	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	41303	7.865	ug/l #	100
77) Bromobenzene	12.53	156	25988	5.567	ug/l	96
78) n-propylbenzene	12.60	91	128548	6.038	ug/l	98
79) 2-Chlorotoluene	12.68	91	77695	5.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	94201	5.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	7089	4.389	ug/l	86
82) 4-Chlorotoluene	12.78	91	77761	5.620	ug/l	99
83) tert-Butylbenzene	13.00	119	81312	5.834	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	93157	5.929	ug/l	97
85) sec-Butylbenzene	13.18	105	101927	5.593	ug/l	97
86) p-Isopropyltoluene	13.30	119	90437	5.594	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	44988	5.314	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	46752	5.425	ug/l	91
89) n-Butylbenzene	13.62	91	79933	5.288	ug/l	99
90) Hexachloroethane	13.88	117	11916	4.761	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	45573	5.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	5306	4.834	ug/l	90

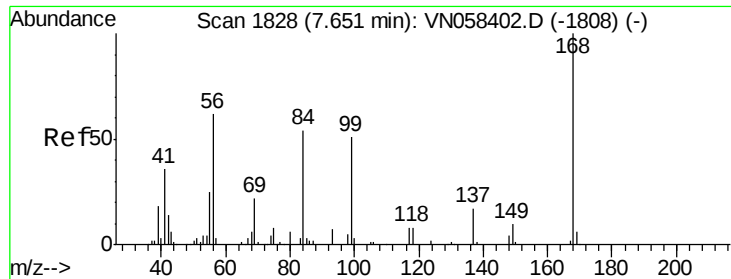
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
Data File : VN058400.D
Acq On : 27 Sep 2019 11:33
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 27 23:05:01 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)
93) 1,2,4-Trichlorobenzene	14.92	180	21298	4.021	ug/l	95
94) Hexachlorobutadiene	15.02	225	12610	4.917	ug/l	98
95) Naphthalene	15.14	128	49678	3.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	18613	3.741	ug/l	96

(#) = 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: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

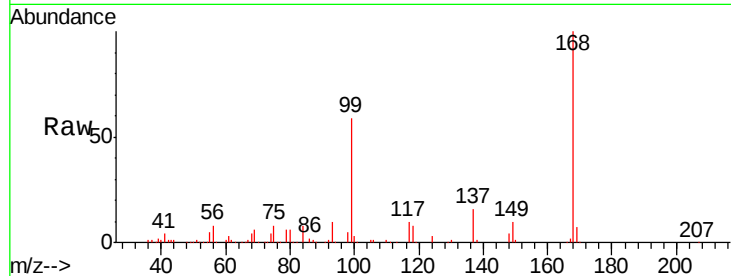
VSTDIC005

Tgt Ion:168 Resp: 460224

Ion Ratio Lower Upper

168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

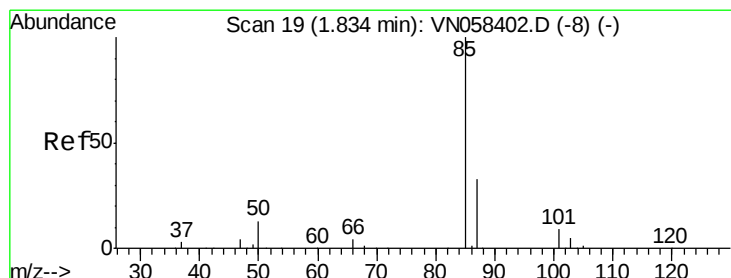
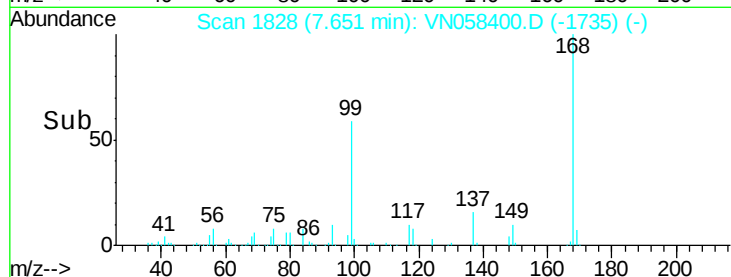
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 6.374 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058400.D

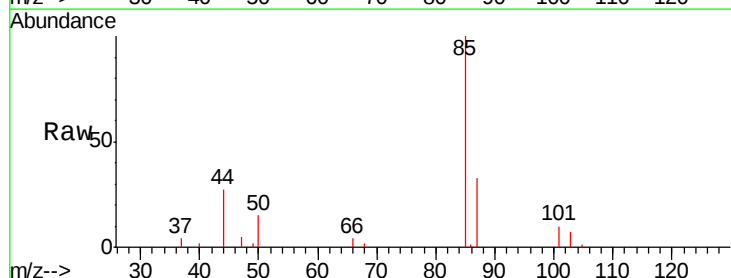
Acq: 27 Sep 2019 11:33

Tgt Ion: 85 Resp: 25852

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

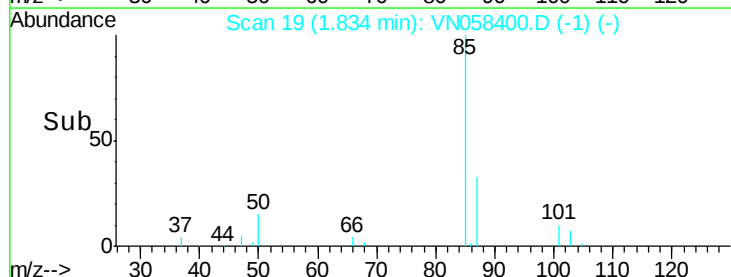
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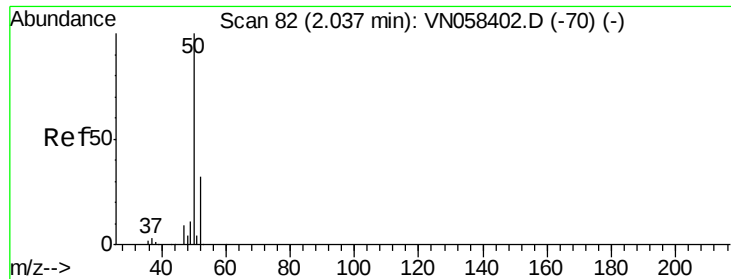
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 6.988 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

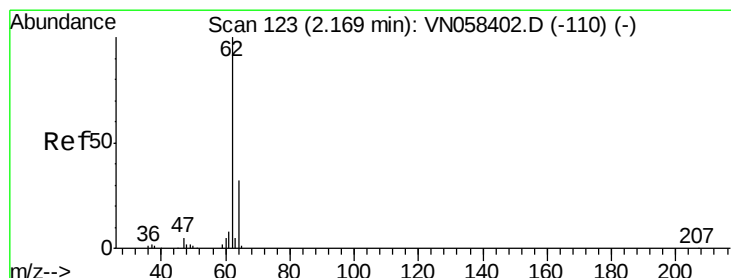
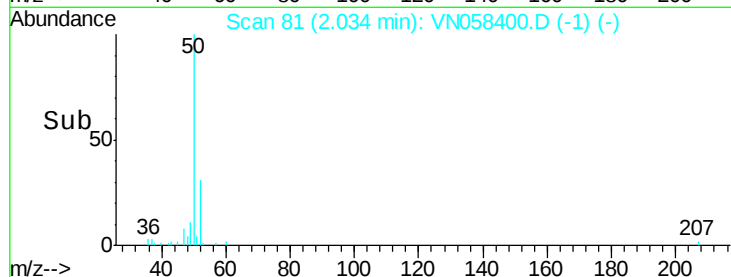
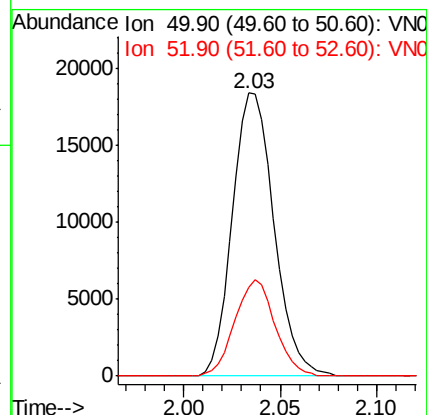
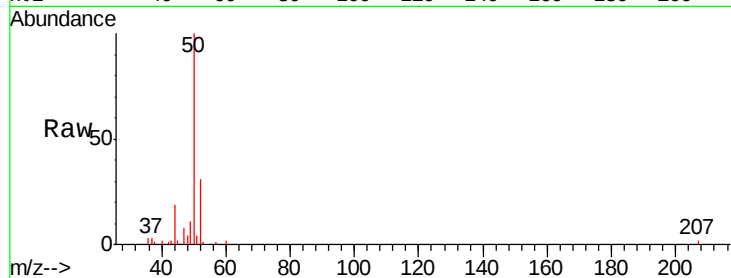
VSTDIC005

Tgt Ion: 50 Resp: 27588

Ion Ratio Lower Upper

50 100

52 31.5 25.9 38.9



#4

Vinyl Chloride

Concen: 6.881 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058400.D

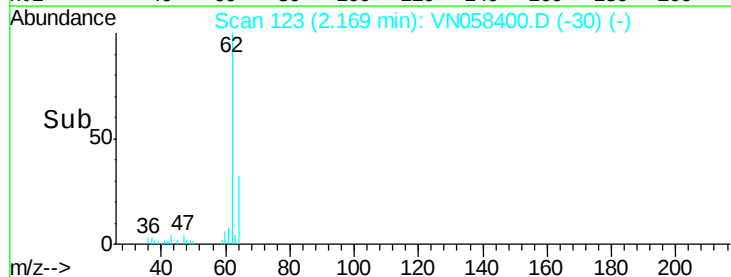
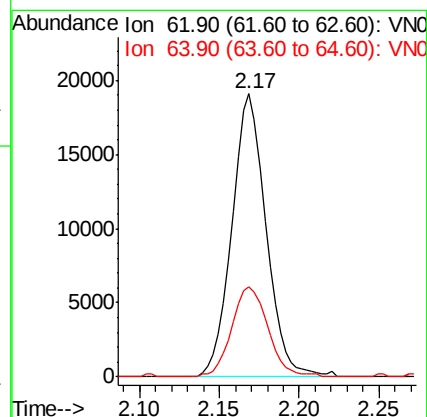
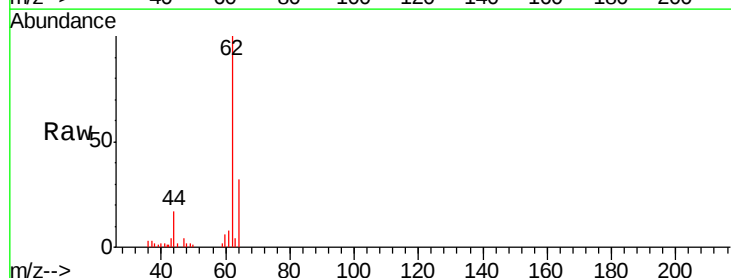
Acq: 27 Sep 2019 11:33

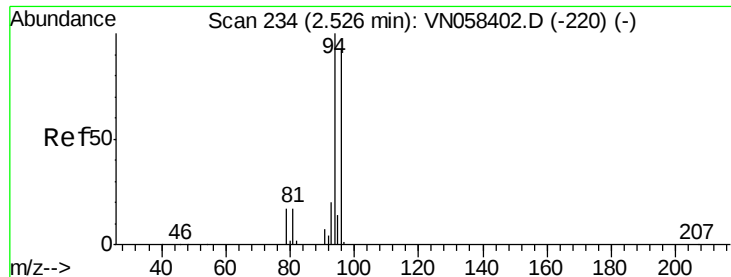
Tgt Ion: 62 Resp: 27776

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 7.309 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

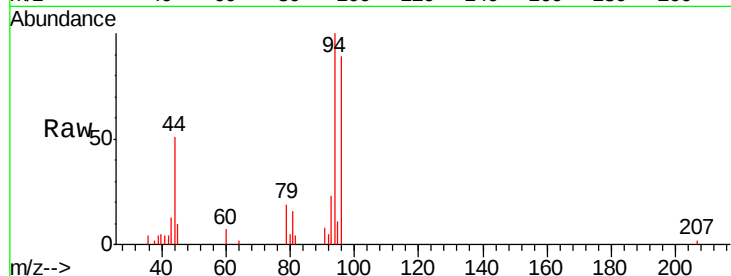
VSTDIC005

Tgt Ion: 94 Resp: 15063

Ion Ratio Lower Upper

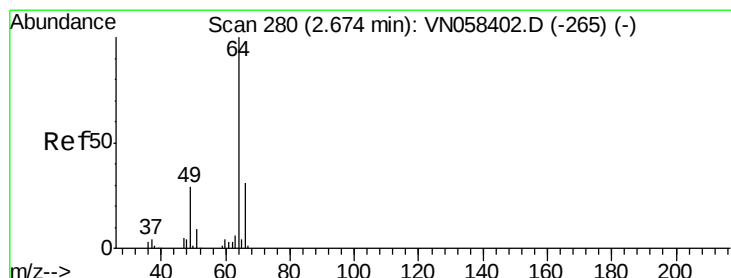
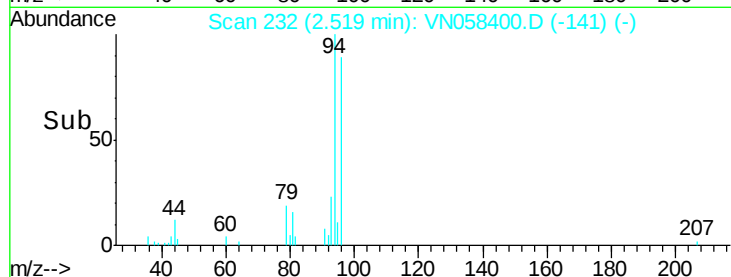
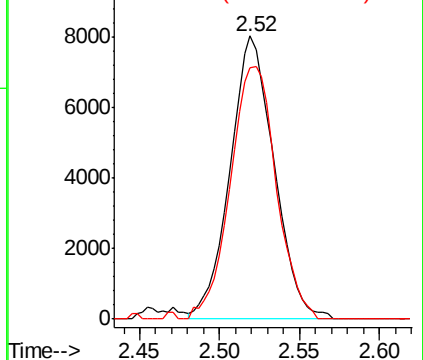
94 100

96 88.8 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: 6.653 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN058400.D

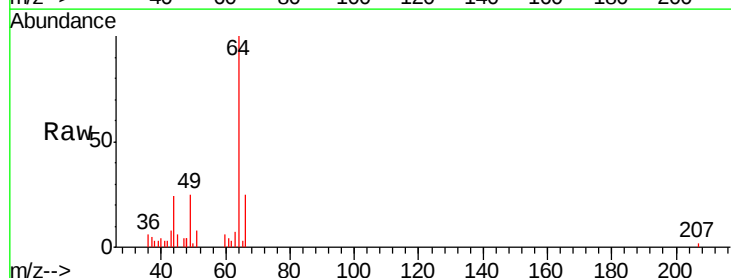
Acq: 27 Sep 2019 11:33

Tgt Ion: 64 Resp: 17399

Ion Ratio Lower Upper

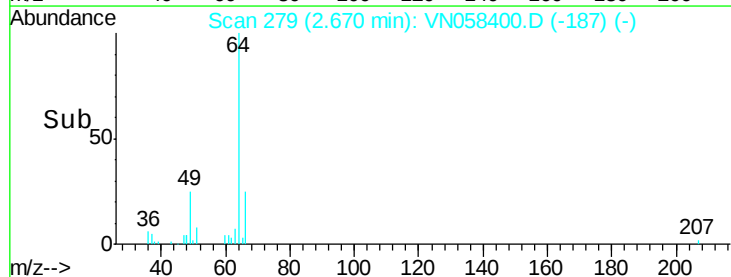
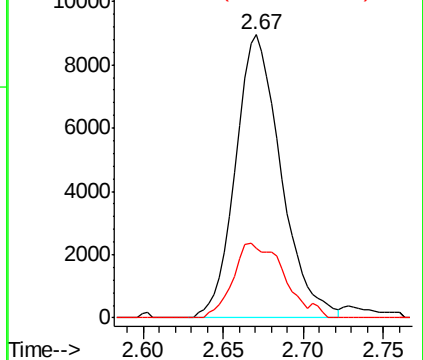
64 100

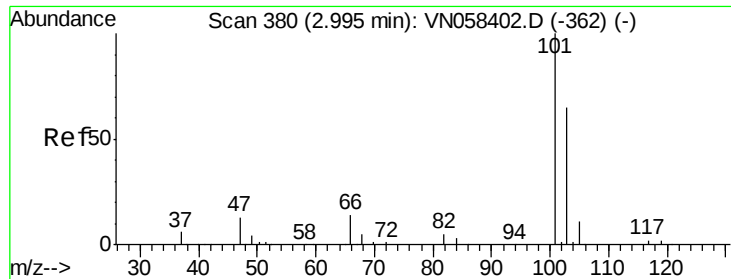
66 24.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



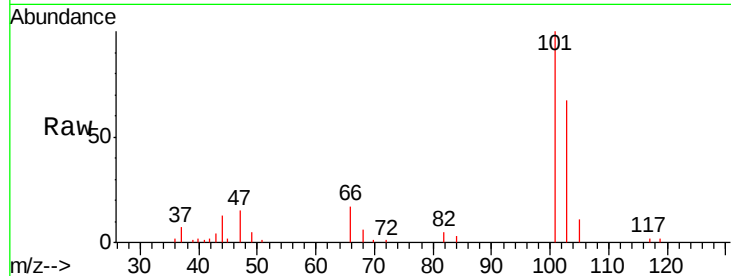


#7

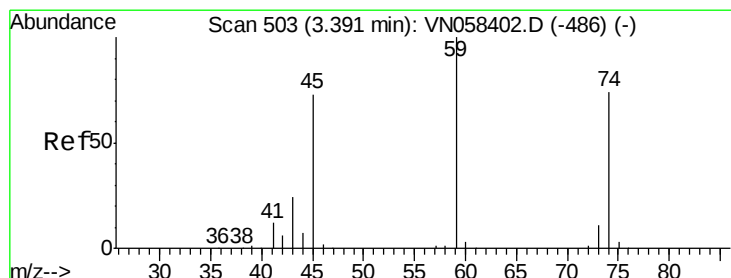
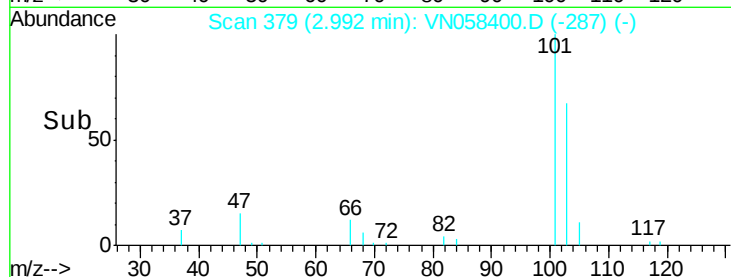
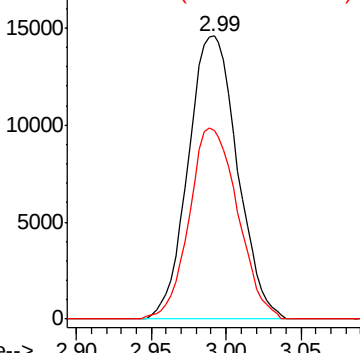
Trichlorofluoromethane
 Concen: 6.063 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 33382
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.3 78.5



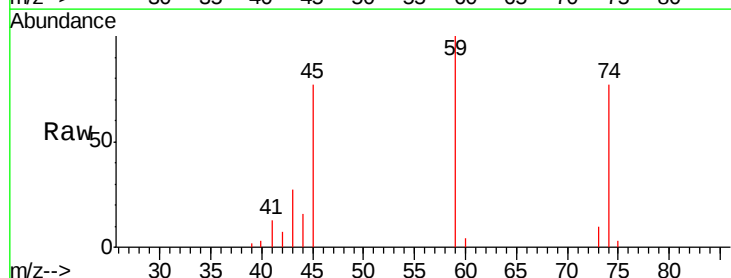
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



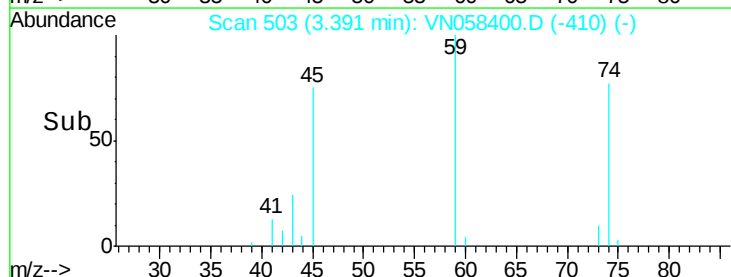
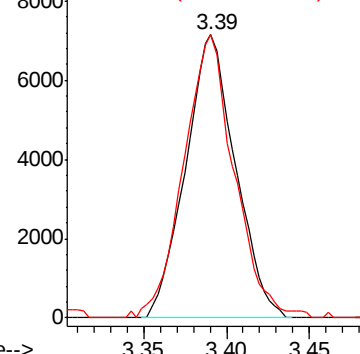
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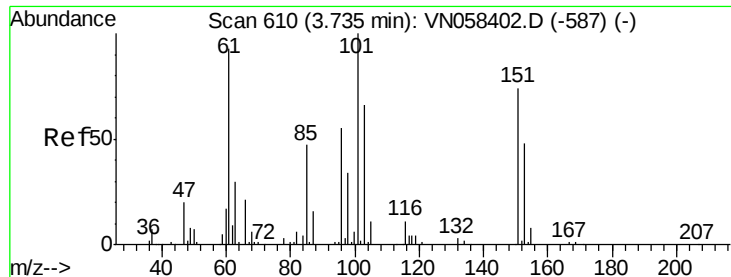
Diethyl Ether
 Concen: 6.023 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 74 Resp: 14899
 Ion Ratio Lower Upper
 74 100
 45 101.7 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: 5.838 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

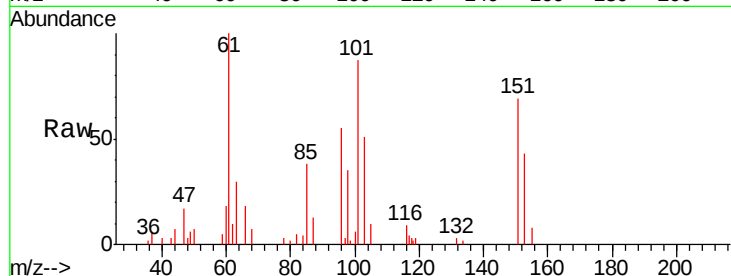
Tgt Ion:101 Resp: 22831

Ion Ratio Lower Upper

101 100

85 48.4 36.7 55.1

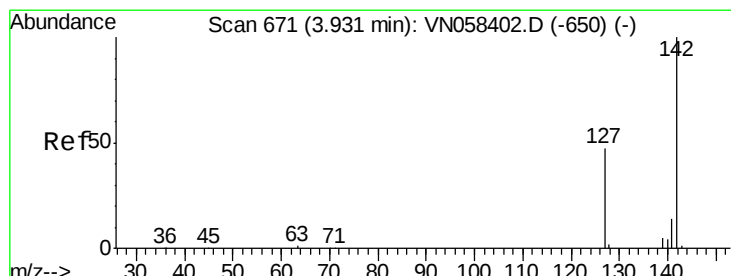
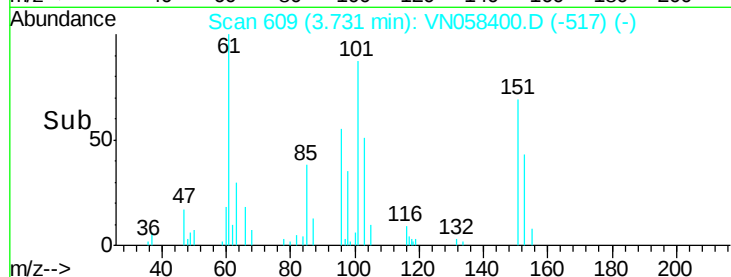
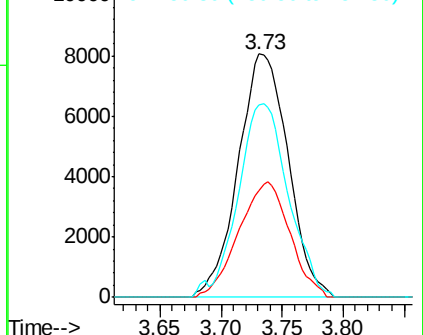
151 79.0 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.615 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

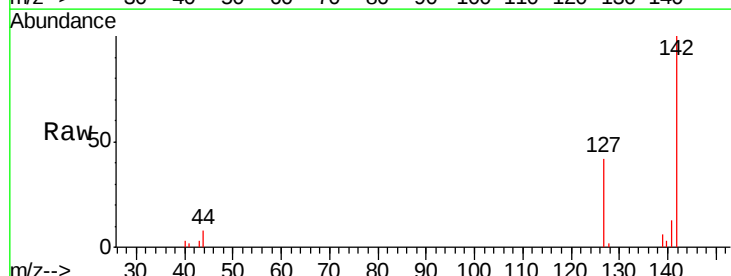
Tgt Ion:142 Resp: 20000

Ion Ratio Lower Upper

142 100

127 44.6 37.2 55.8

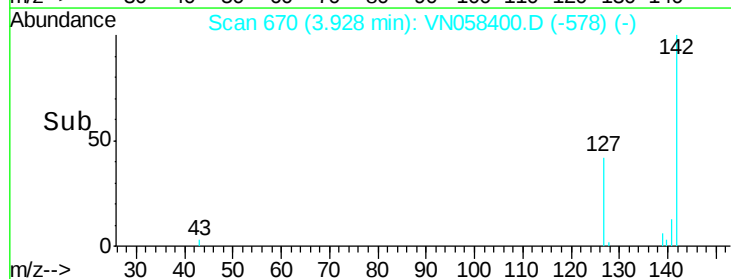
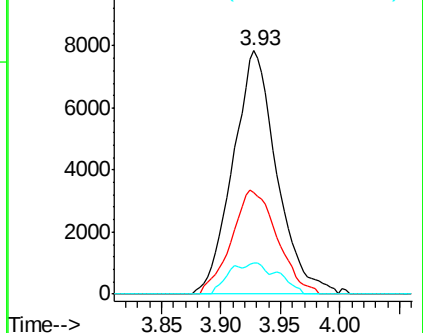
141 4.9 11.3 16.9#

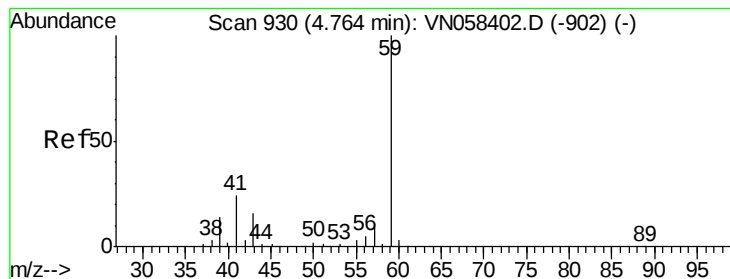


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



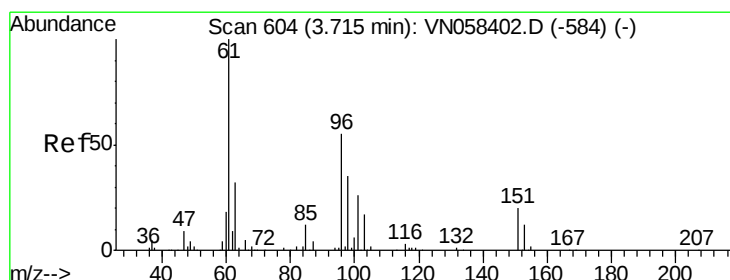
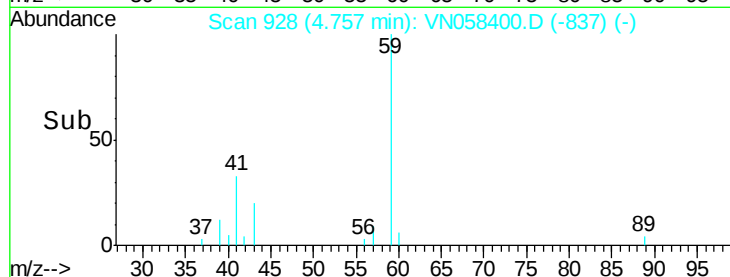
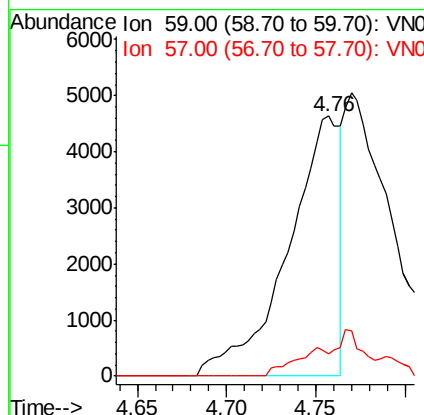
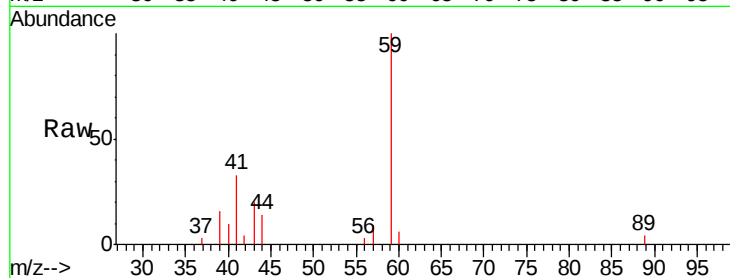


#11

Tert butyl alcohol
 Concen: 12.326 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

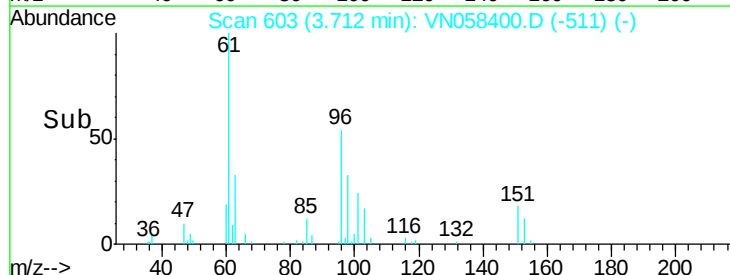
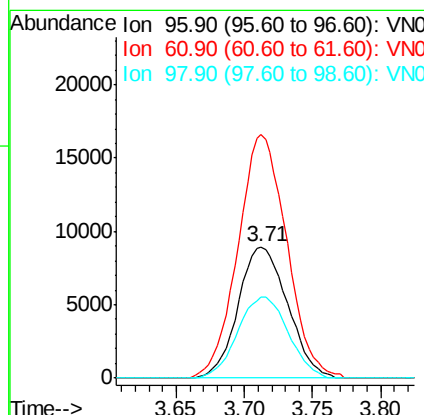
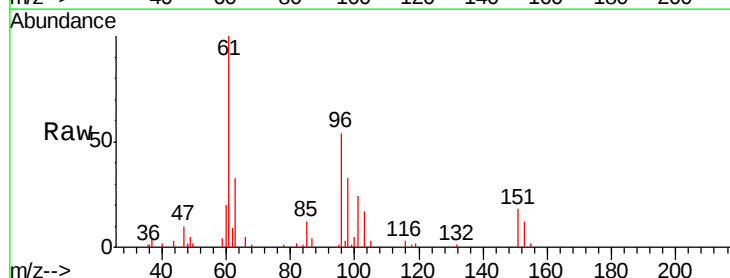
Tgt Ion: 59 Resp: 9381
 Ion Ratio Lower Upper
 59 100
 57 7.0 9.0 13.4#

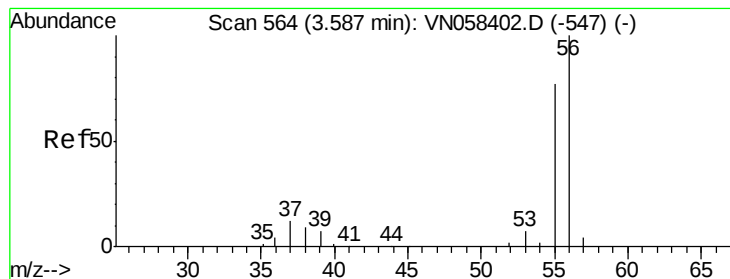


#12

1,1-Dichloroethene
 Concen: 6.550 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 96 Resp: 22489
 Ion Ratio Lower Upper
 96 100
 61 185.7 146.7 220.1
 98 61.4 51.3 76.9





#13

Acrolein

Concen: 42.907 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

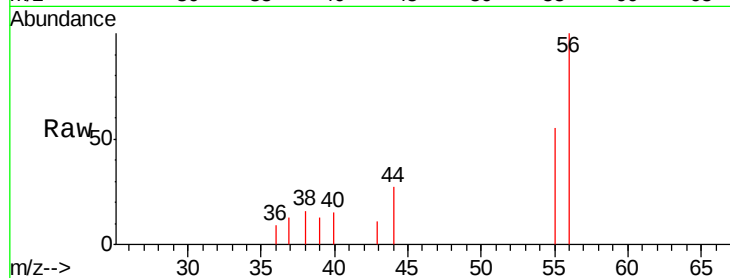
VSTDIC005

Tgt Ion: 56 Resp: 5729

Ion Ratio Lower Upper

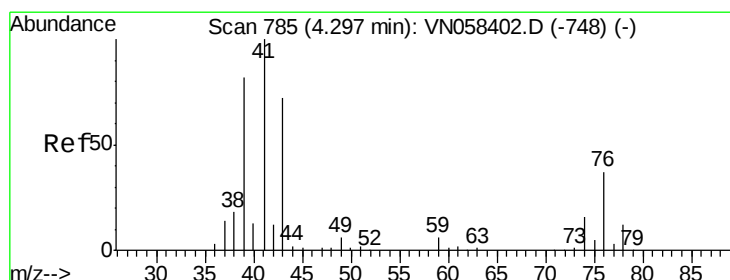
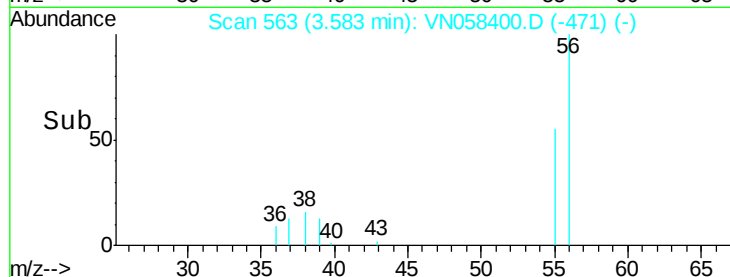
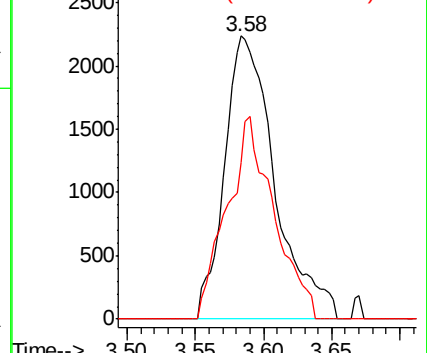
56 100

55 66.7 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.957 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

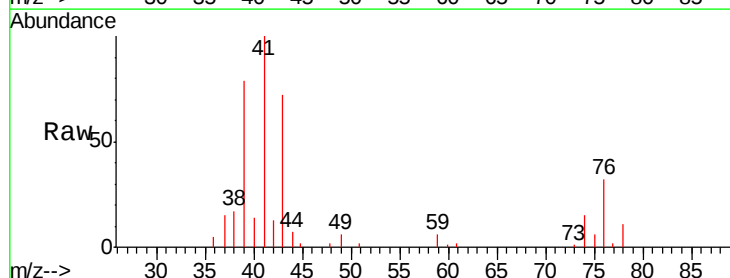
Tgt Ion: 41 Resp: 38623

Ion Ratio Lower Upper

41 100

39 80.3 62.3 93.5

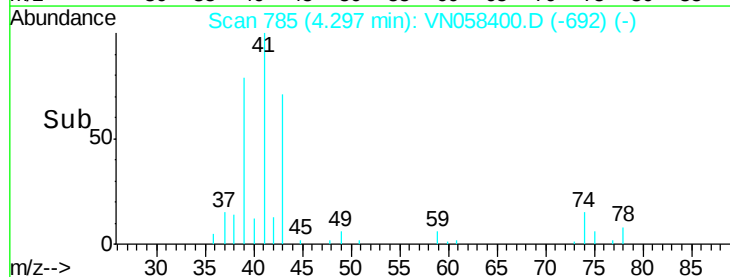
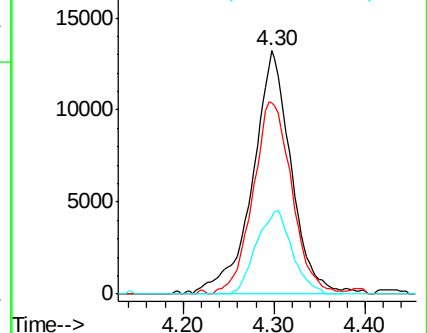
76 32.0 26.9 40.3

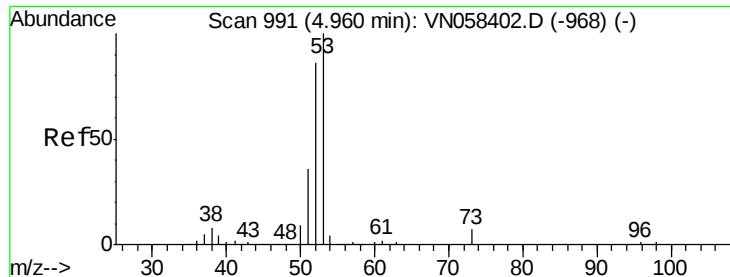


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 26.296 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

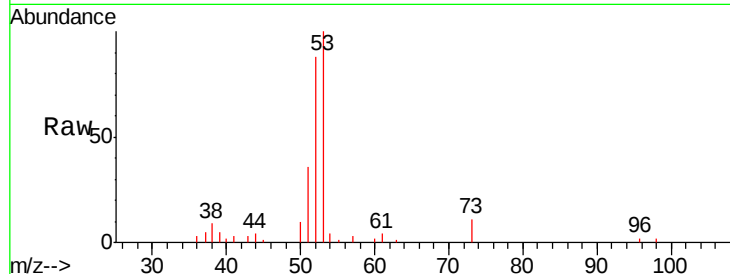
Tgt Ion: 53 Resp: 54356

Ion Ratio Lower Upper

53 100

52 86.5 66.6 100.0

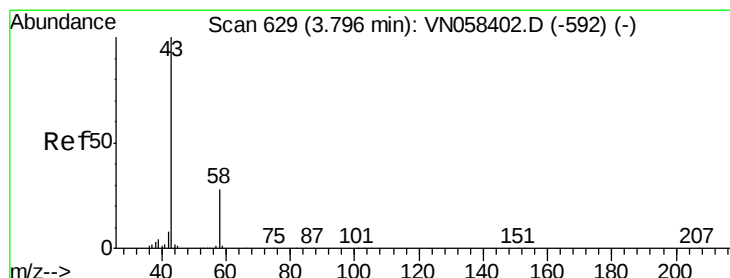
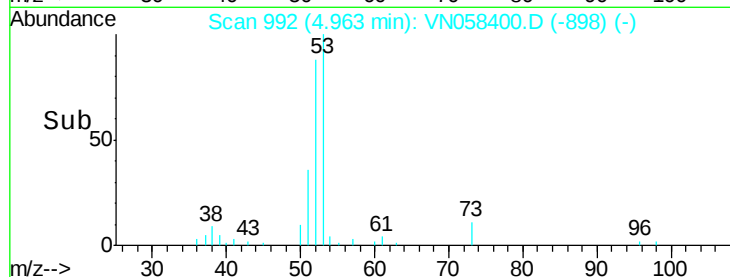
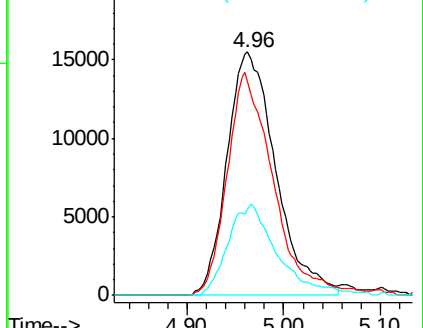
51 37.7 29.8 44.8



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: 26.541 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058400.D

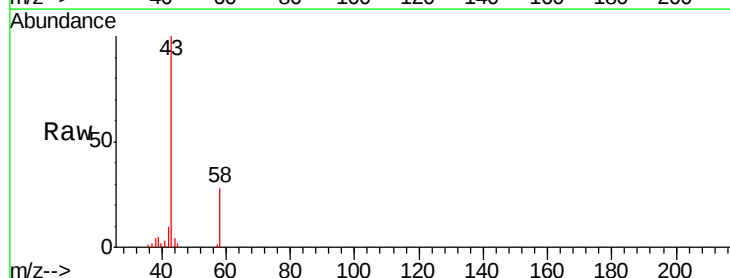
Acq: 27 Sep 2019 11:33

Tgt Ion: 43 Resp: 59184

Ion Ratio Lower Upper

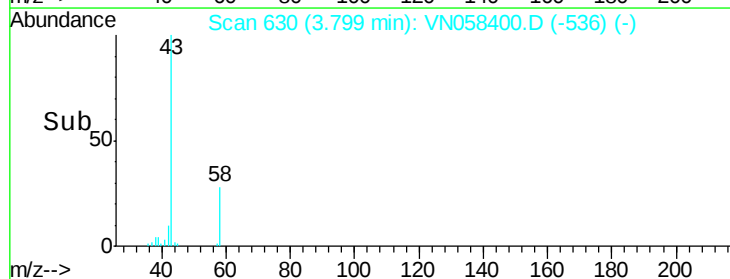
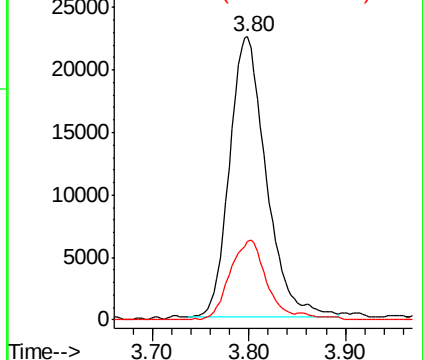
43 100

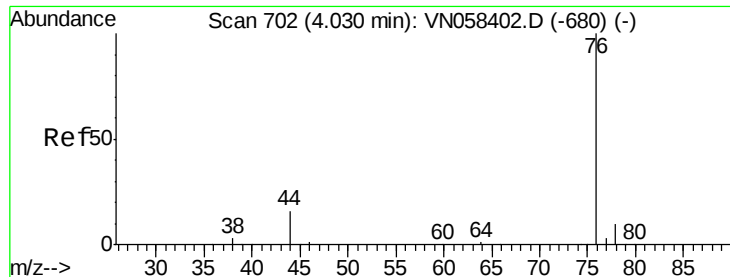
58 27.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

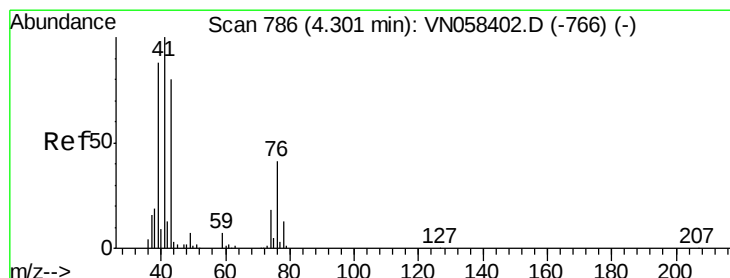
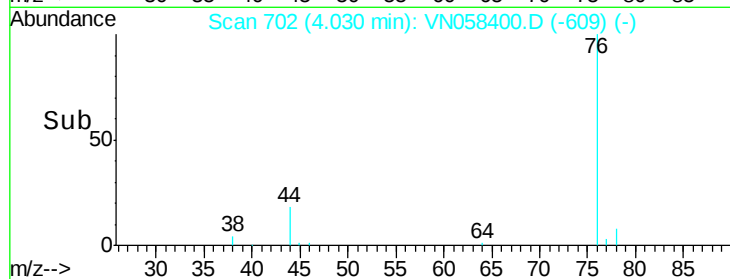
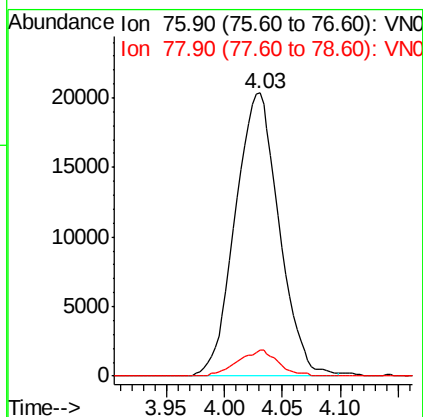
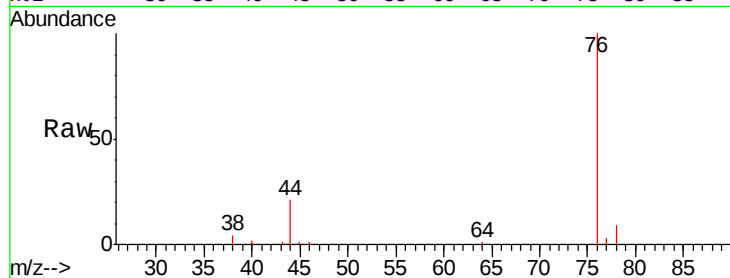




#17
Carbon Disulfide
Concen: 8.635 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

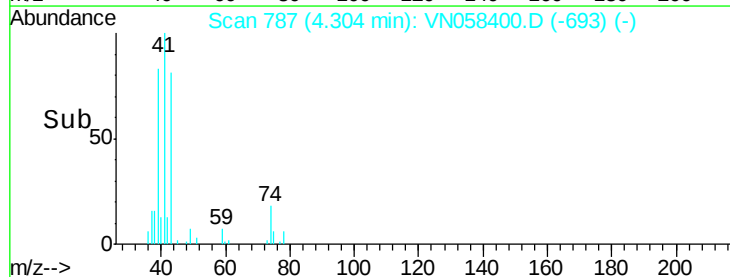
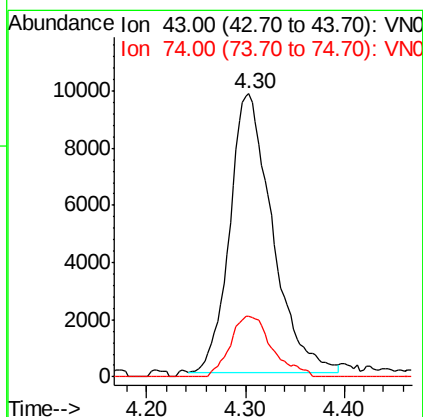
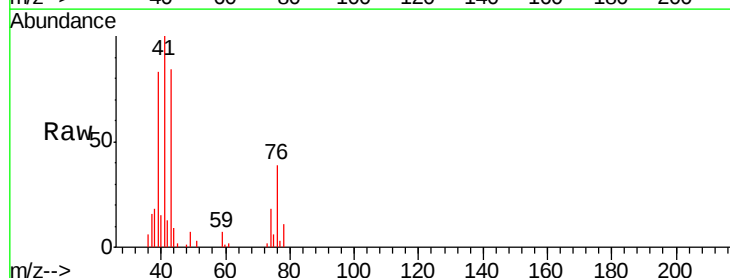
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

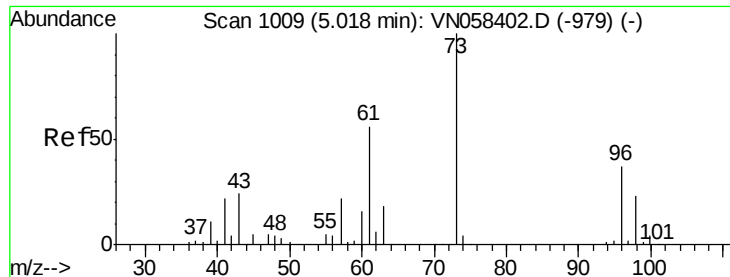
Tgt Ion: 76 Resp: 53534
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5



#18
Methyl Acetate
Concen: 5.074 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 43 Resp: 29250
Ion Ratio Lower Upper
43 100
74 21.3 18.0 27.0

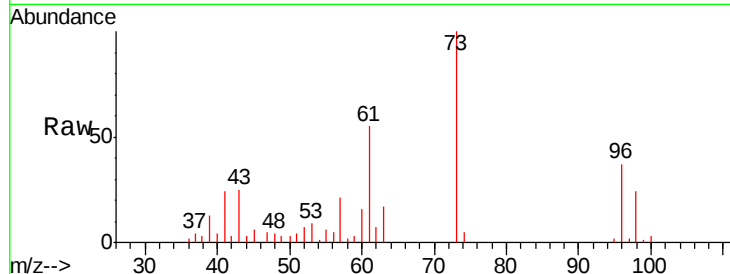




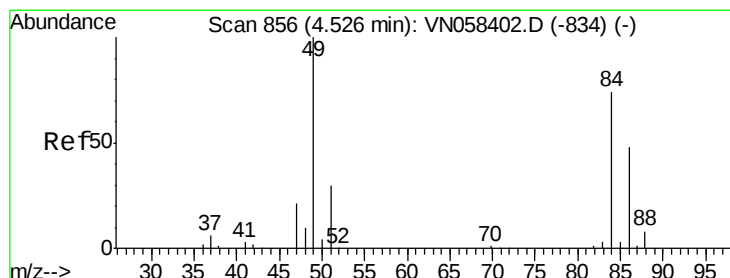
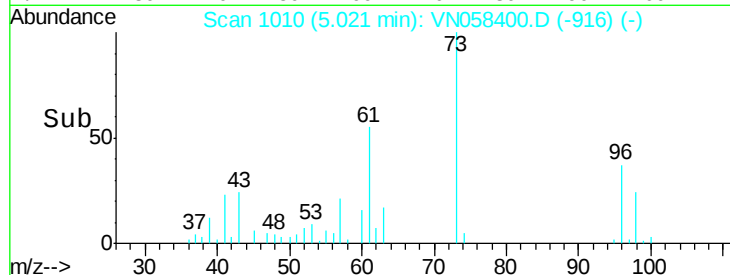
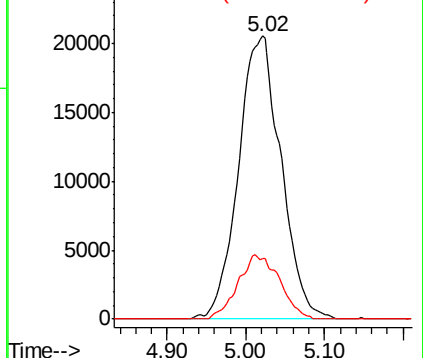
#19
Methyl tert-butyl Ether
Concen: 5.437 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 78149
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

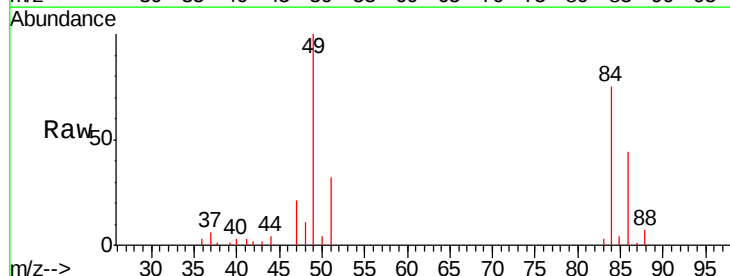


Abundance Ion 73.00 (72.70 to 73.70): VN058400.D (-916) (-)
Ion 57.00 (56.70 to 57.70): VN058400.D (-916) (-)

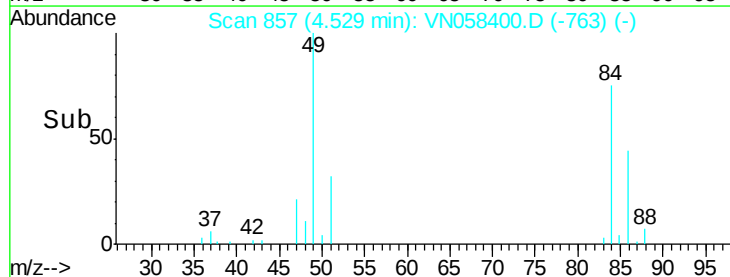
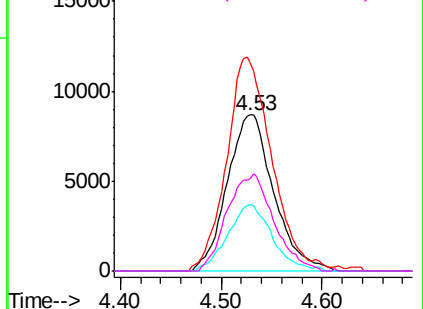


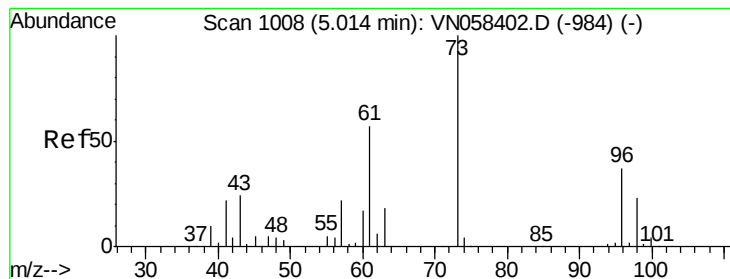
#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 84 Resp: 27784
Ion Ratio Lower Upper
84 100
49 134.1 107.9 161.9
51 43.0 32.8 49.2
86 59.3 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VN058400.D (-763) (-)
Ion 48.90 (48.60 to 49.60): VN058400.D (-763) (-)
Ion 50.90 (50.60 to 51.60): VN058400.D (-763) (-)
Ion 85.90 (85.60 to 86.60): VN058400.D (-763) (-)





#21

trans-1,2-Dichloroethene

Concen: 6.663 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

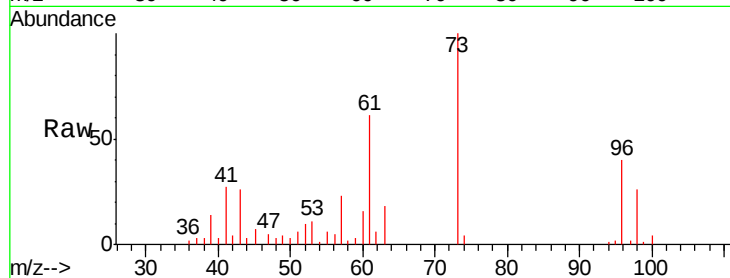
Tgt Ion: 96 Resp: 24813

Ion Ratio Lower Upper

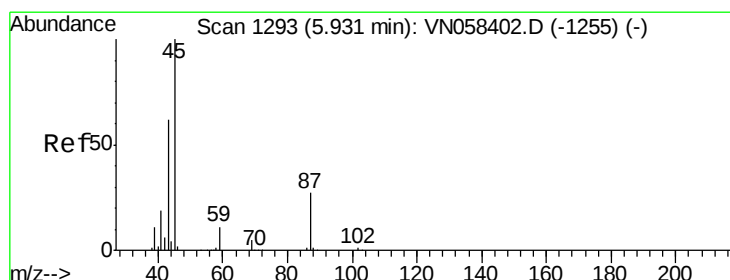
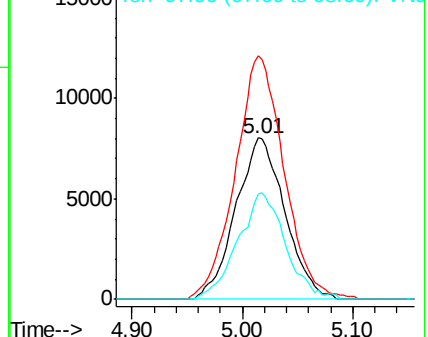
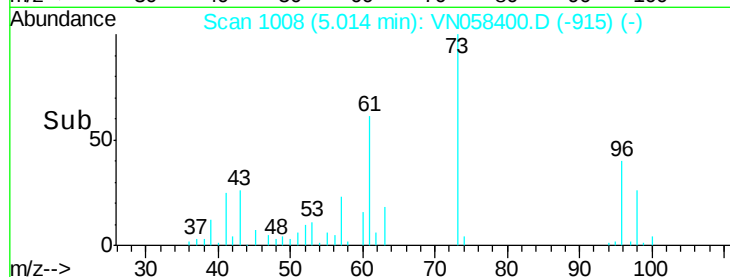
96 100

61 148.7 121.9 182.9

98 65.7 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN058400.D (-915) (-)



#22

Diisopropyl ether

Concen: 5.323 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion: 45 Resp: 84176

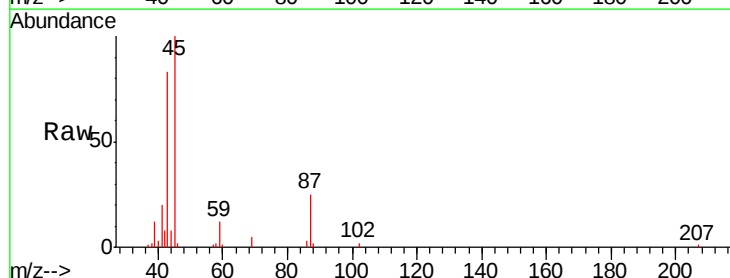
Ion Ratio Lower Upper

45 100

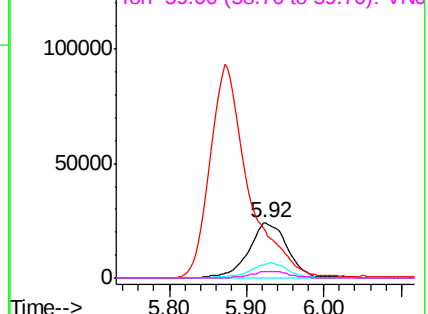
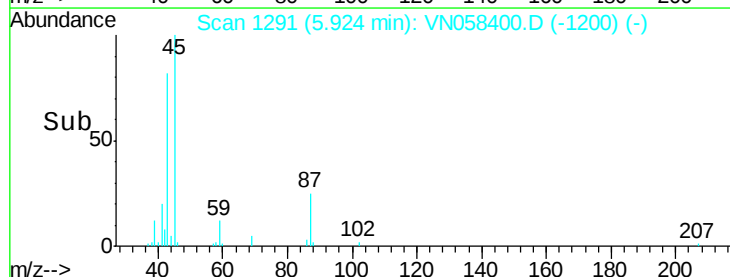
43 79.9 49.7 74.5#

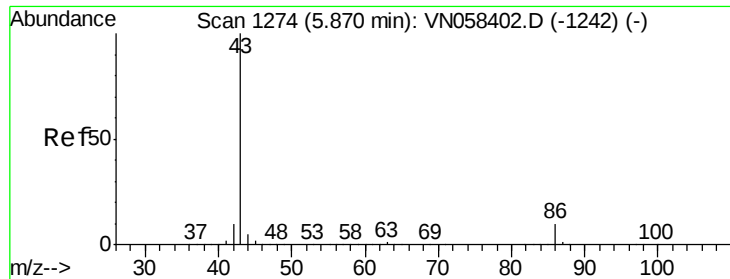
87 24.7 21.5 32.3

59 12.2 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN058400.D (-1200) (-)





#23

Vinyl Acetate

Concen: 29.131 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

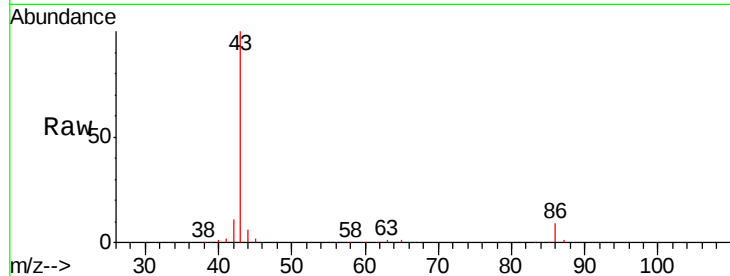
VSTDIC005

Tgt Ion: 43 Resp: 323933

Ion Ratio Lower Upper

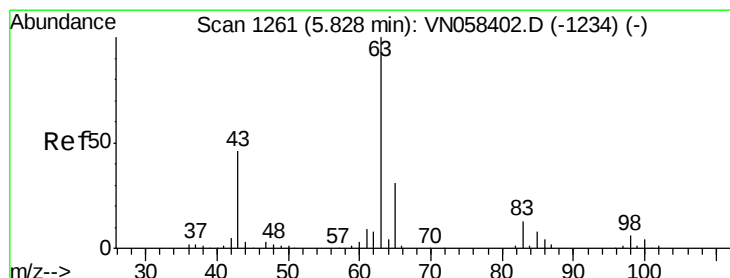
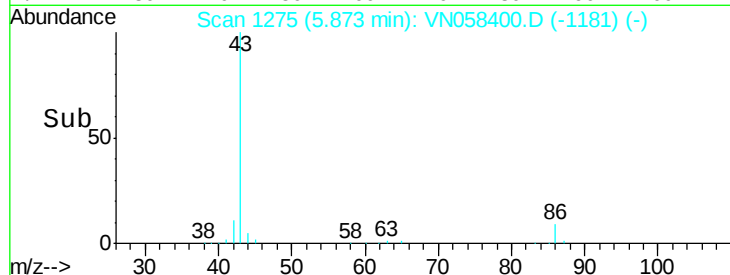
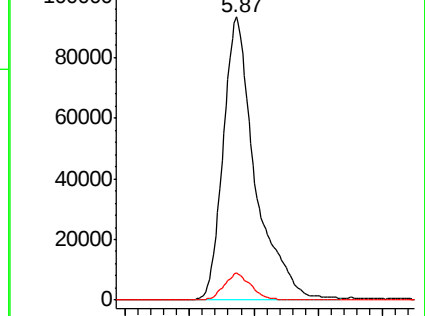
43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.711 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

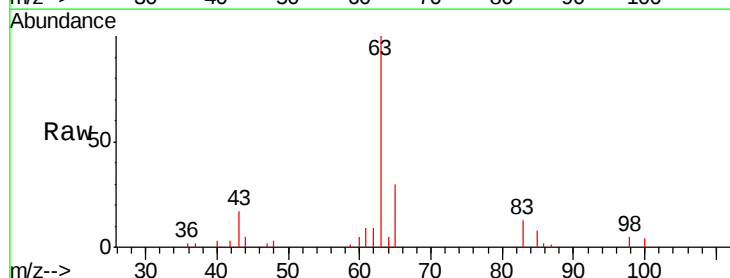
Tgt Ion: 63 Resp: 49008

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.0

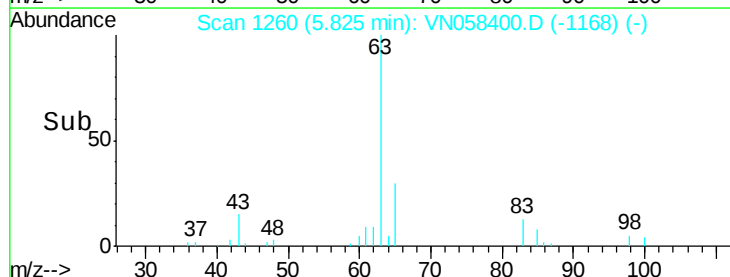
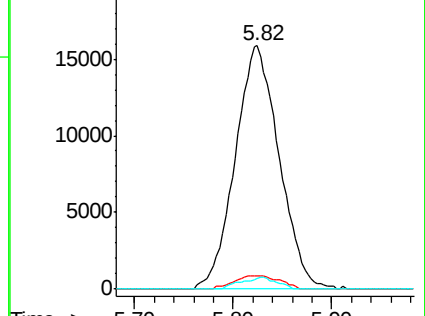
100 4.3 2.0 5.8

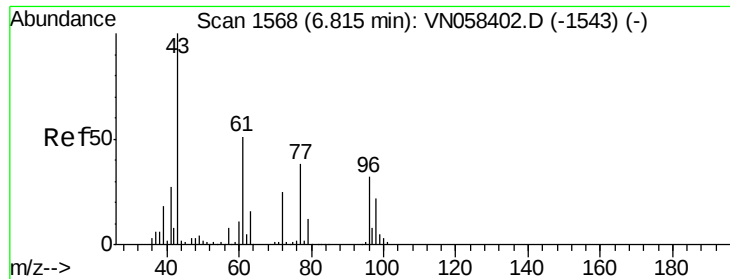


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 26.388 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

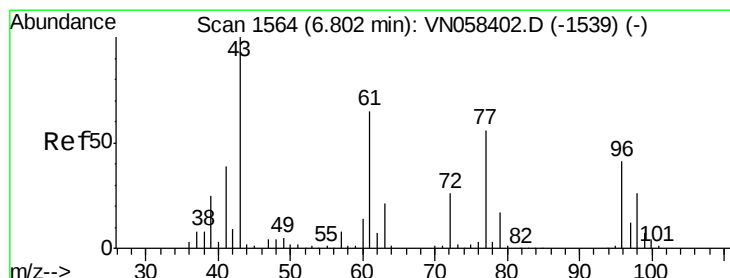
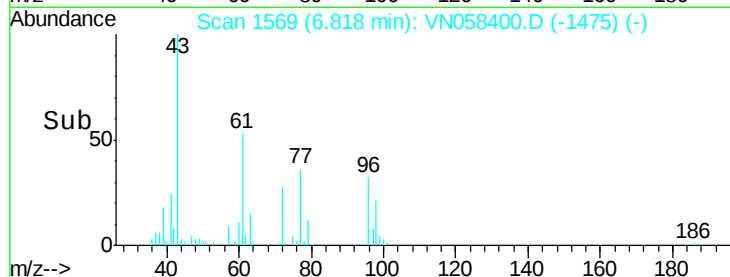
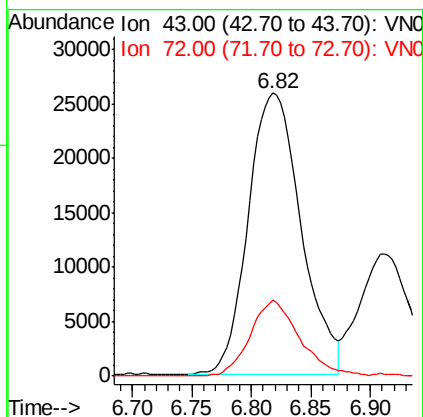
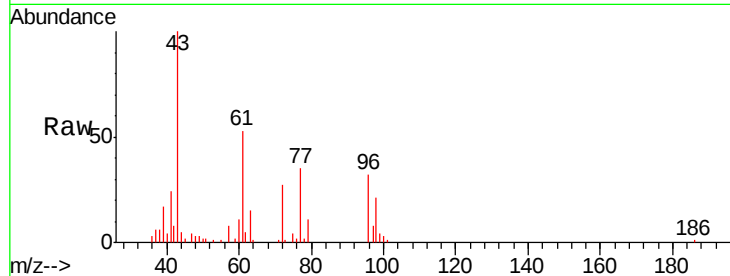
VSTDIC005

Tgt Ion: 43 Resp: 79512

Ion Ratio Lower Upper

43 100

72 27.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 5.319 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058400.D

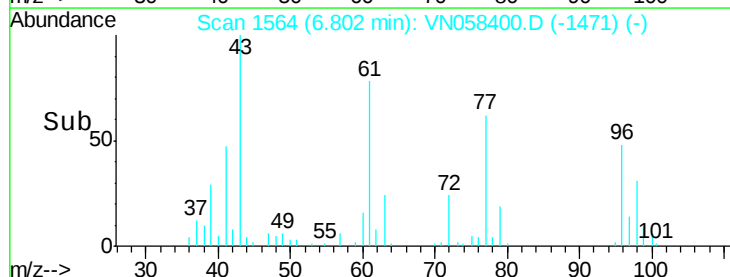
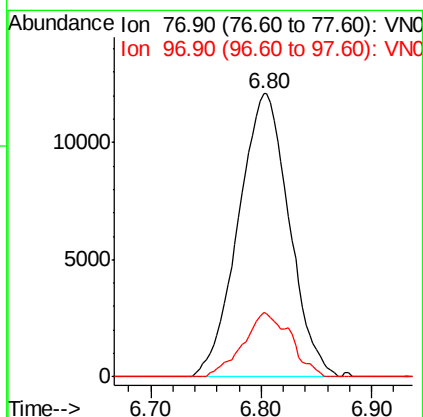
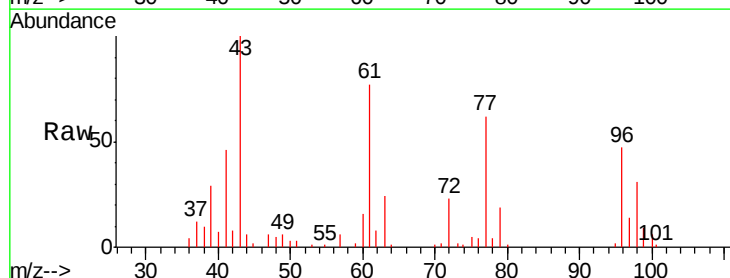
Acq: 27 Sep 2019 11:33

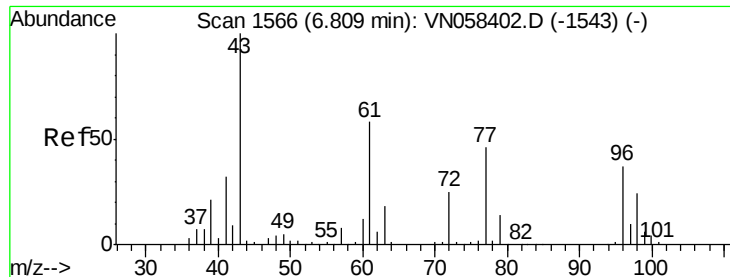
Tgt Ion: 77 Resp: 38606

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 5.963 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

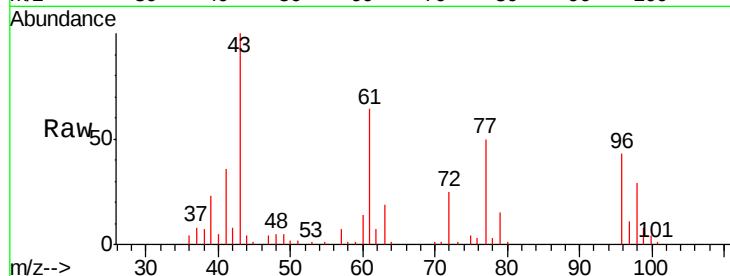
Tgt Ion: 96 Resp: 29109

Ion Ratio Lower Upper

96 100

61 157.1 0.0 318.8

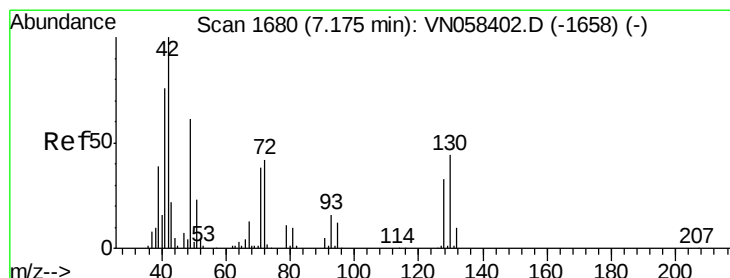
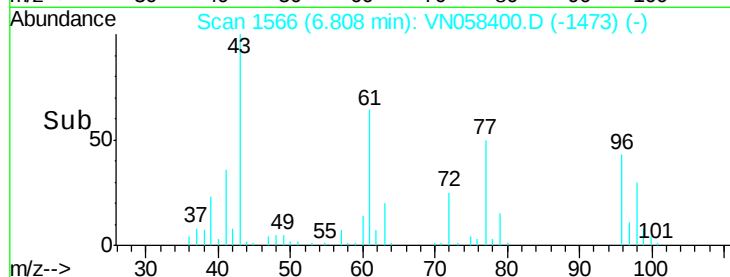
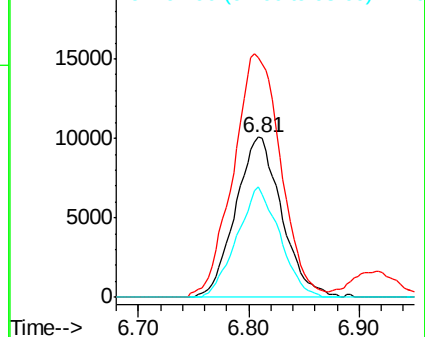
98 63.9 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.424 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

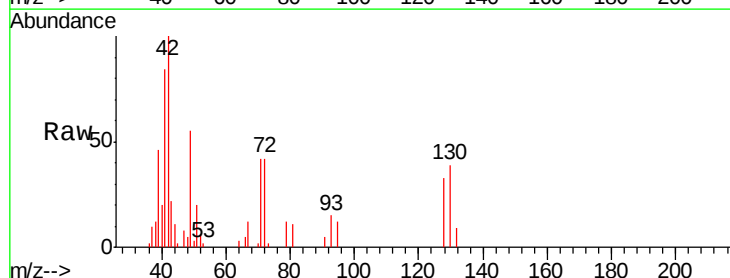
Tgt Ion: 49 Resp: 17234

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

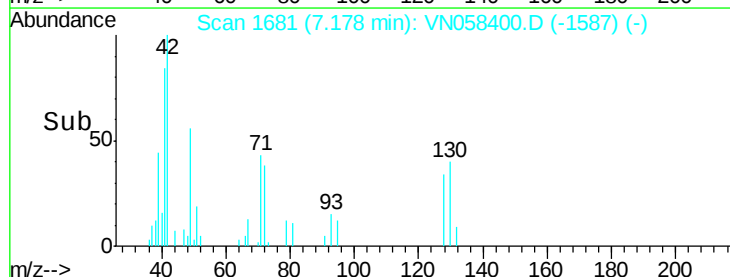
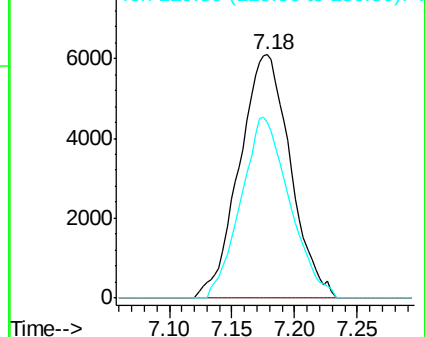
130 70.7 56.3 84.5

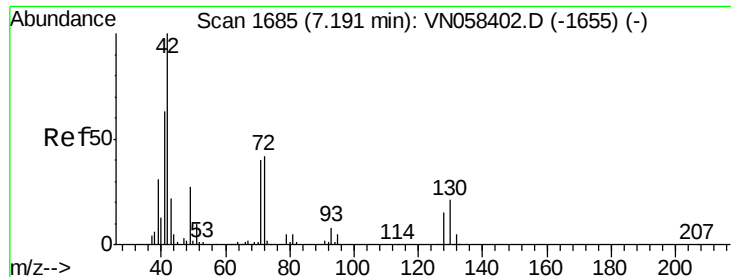


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

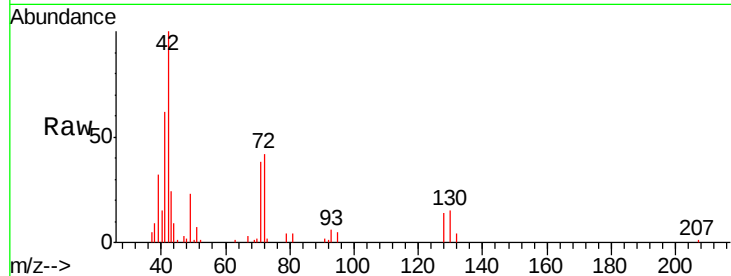




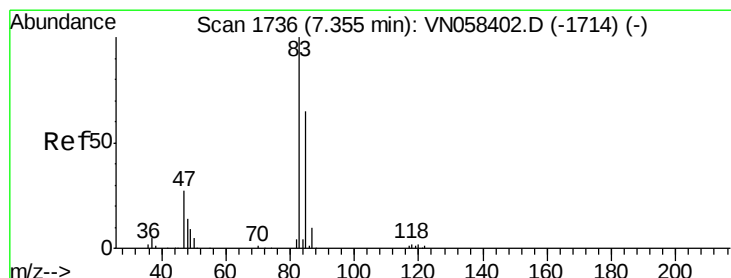
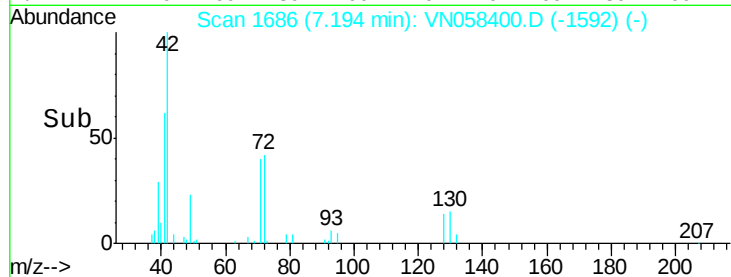
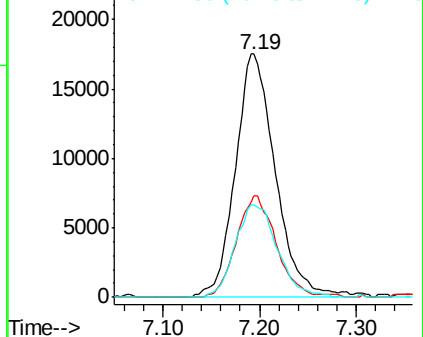
#29
Tetrahydrofuran
Concen: 26.748 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 50163
Ion Ratio Lower Upper
42 100
72 41.7 33.7 50.5
71 40.2 31.8 47.6

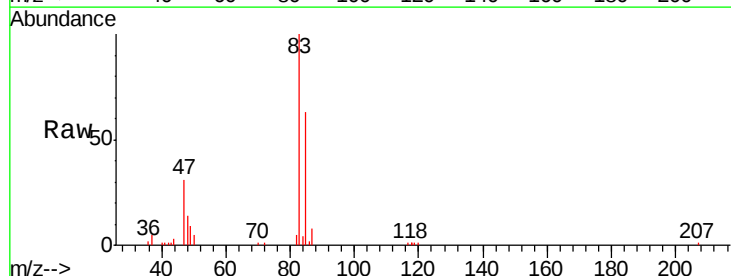


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

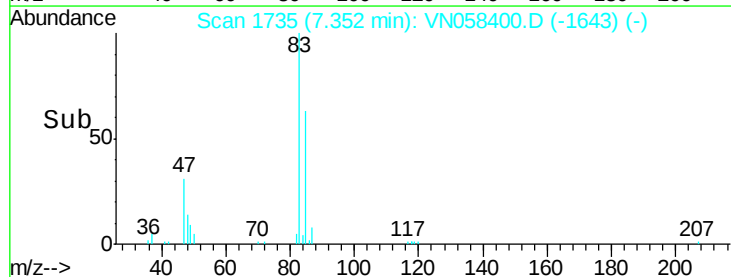
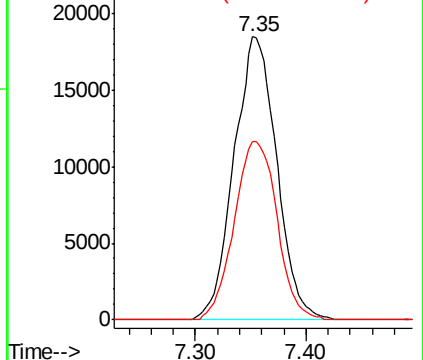


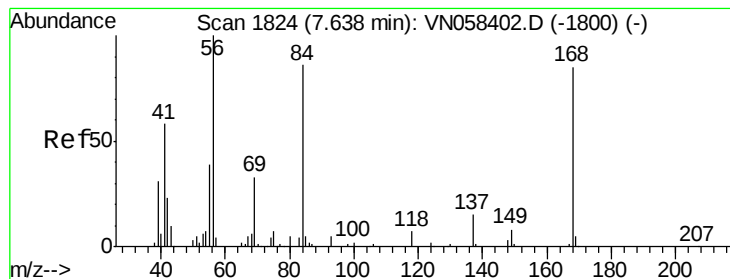
#30
Chloroform
Concen: 5.432 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 83 Resp: 49543
Ion Ratio Lower Upper
83 100
85 62.8 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 8.084 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

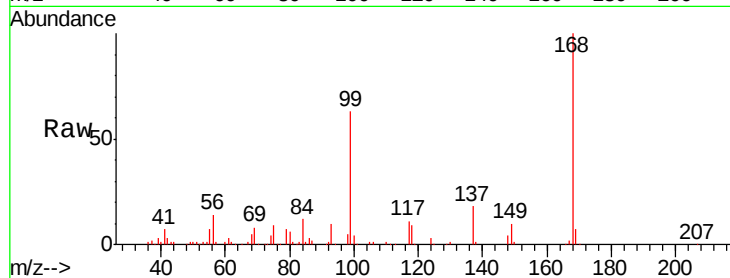
Tgt Ion: 56 Resp: 55642

Ion Ratio Lower Upper

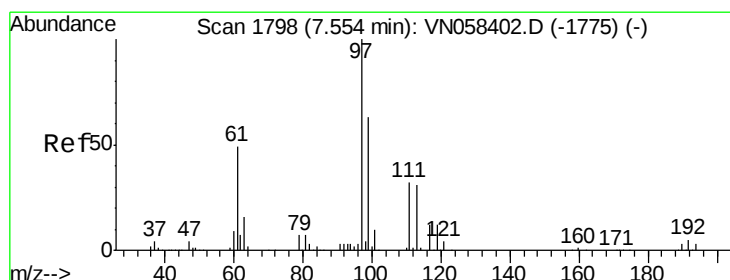
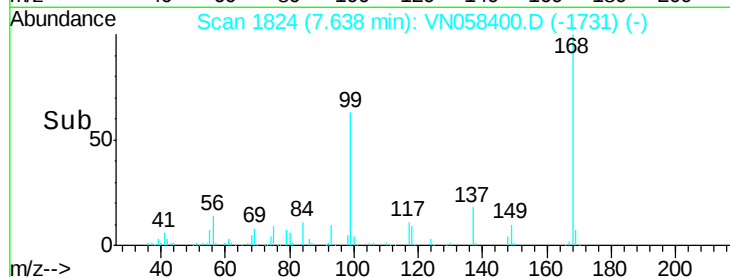
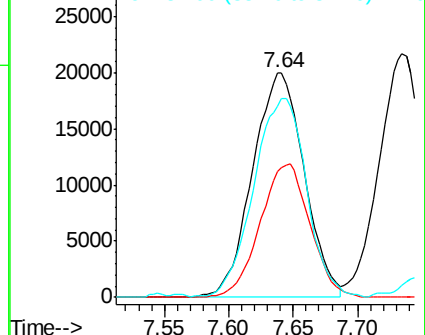
56 100

69 56.0 26.2 39.4#

84 85.1 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: 5.599 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

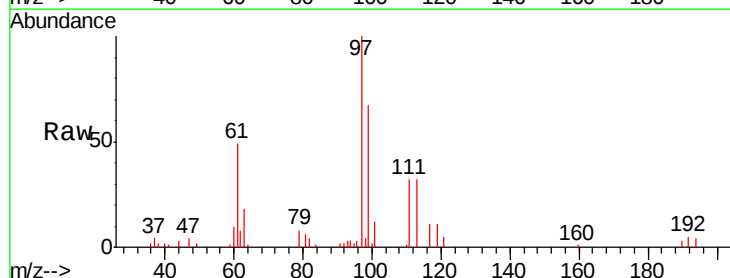
Tgt Ion: 97 Resp: 39384

Ion Ratio Lower Upper

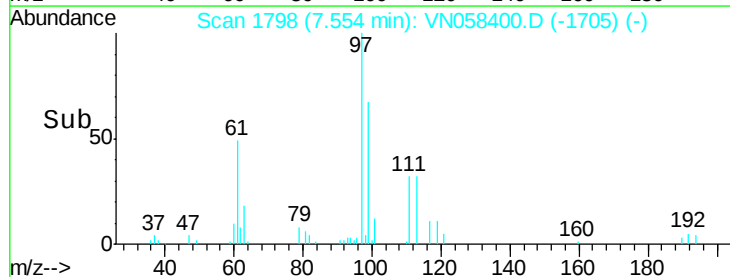
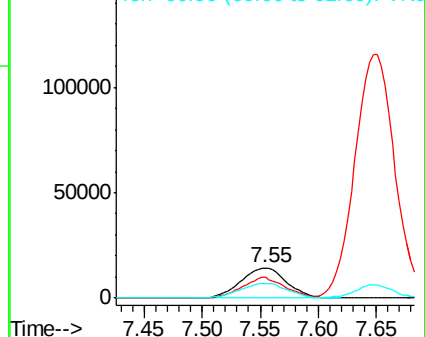
97 100

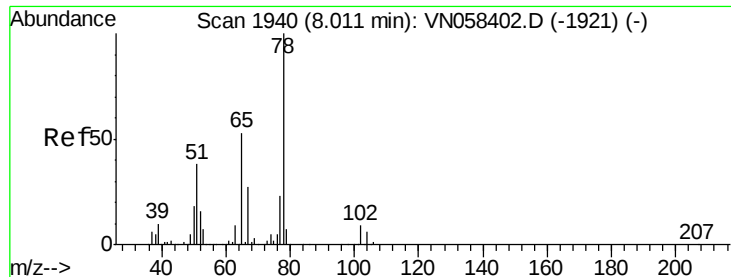
99 64.0 51.1 76.7

61 50.9 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

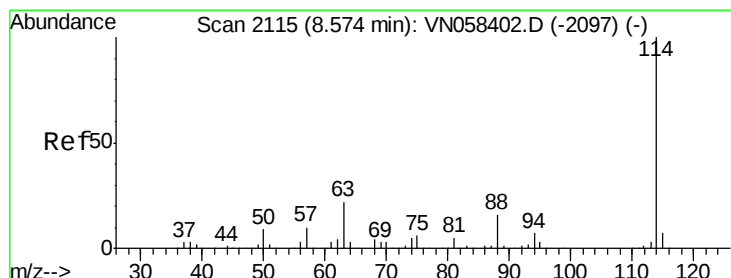
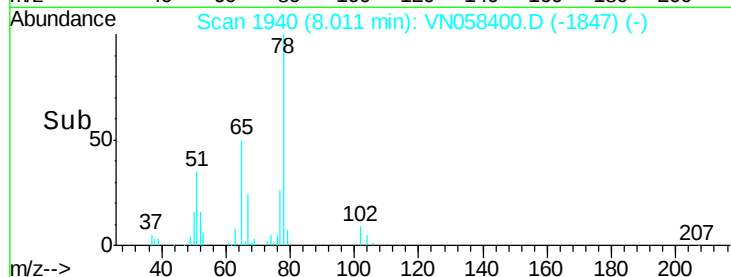
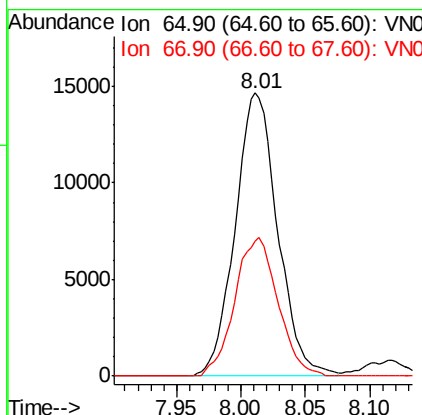
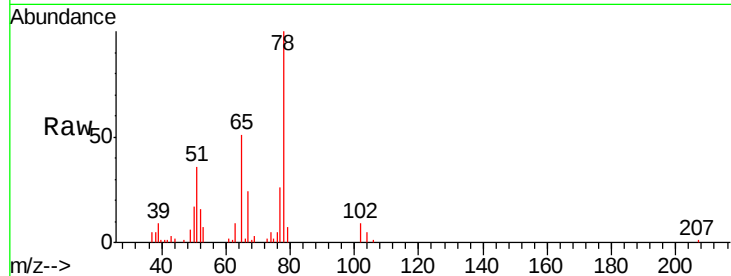




#33
 1,2-Dichloroethane-d4
 Concen: 5.186 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

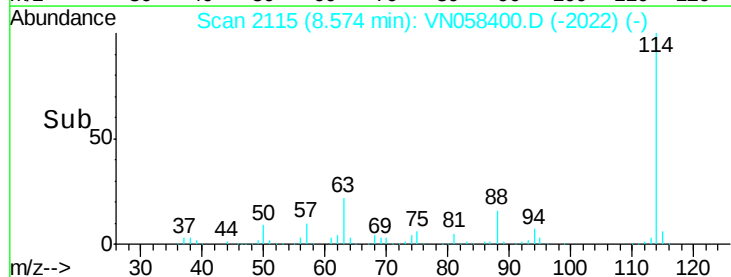
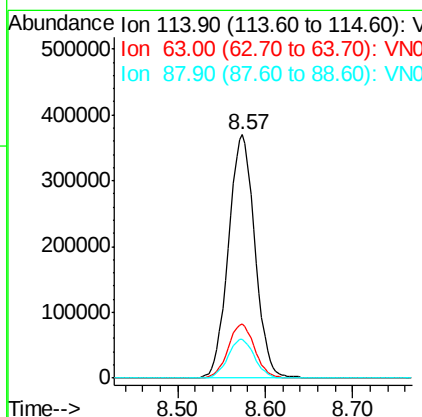
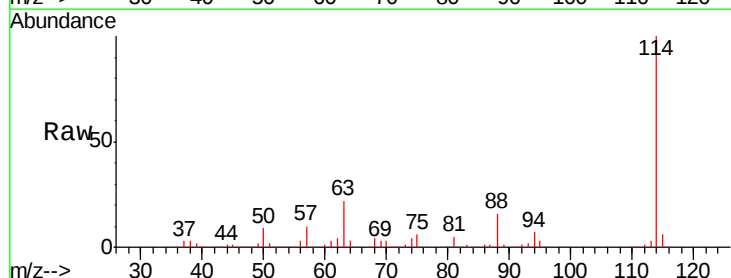
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

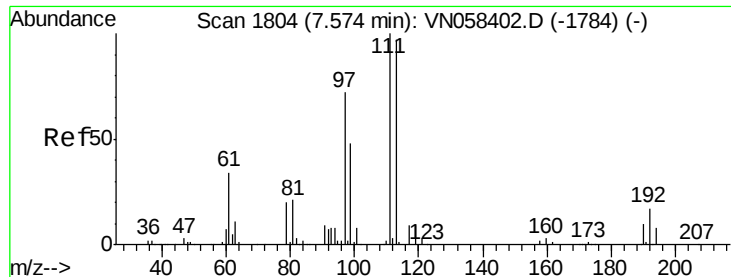
Tgt Ion: 65 Resp: 33584
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 114 Resp: 774797
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 15.9 0.0 32.2

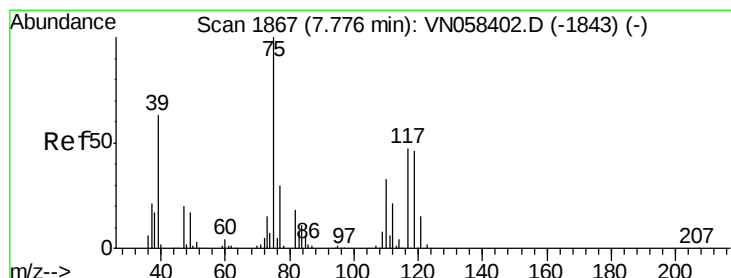
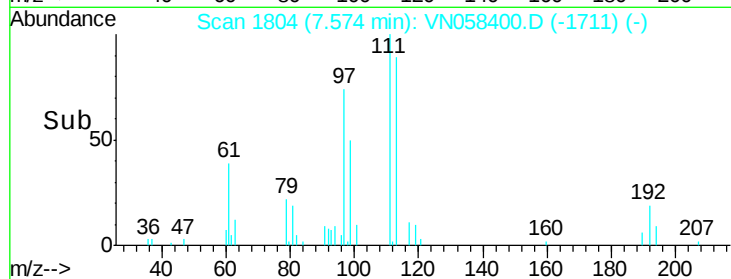
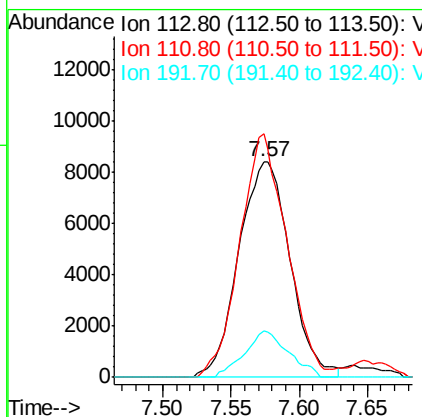
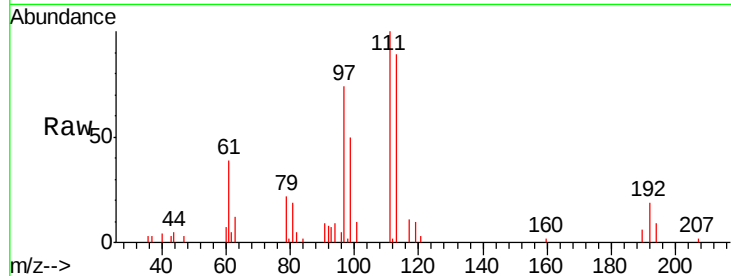




#35
 Dibromofluoromethane
 Concen: 4.650 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

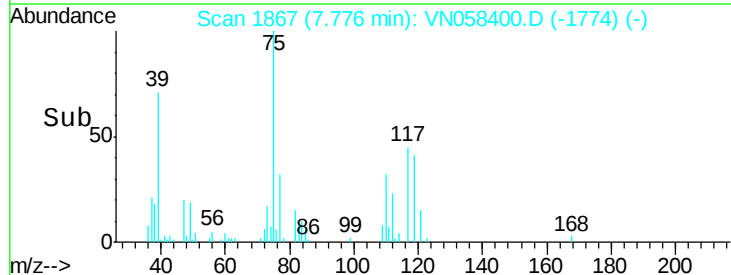
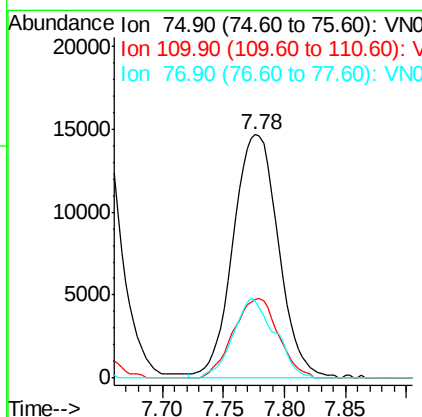
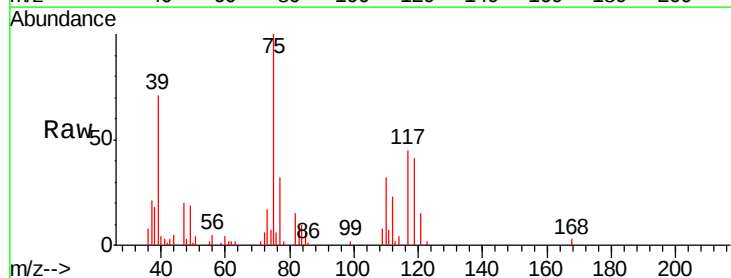
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

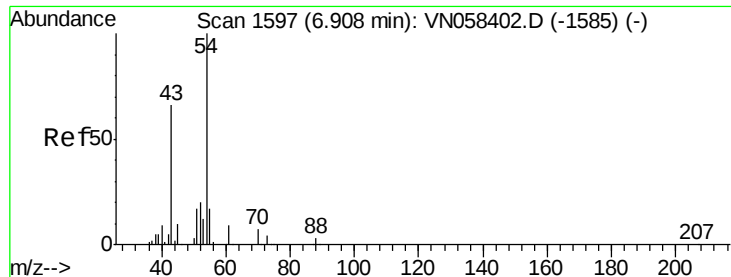
Tgt Ion: 113 Resp: 21924
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 18.4 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 6.322 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 75 Resp: 37849
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.4 49.2
 77 30.0 24.3 36.5

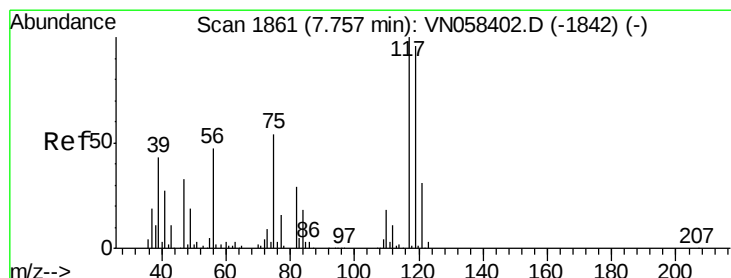
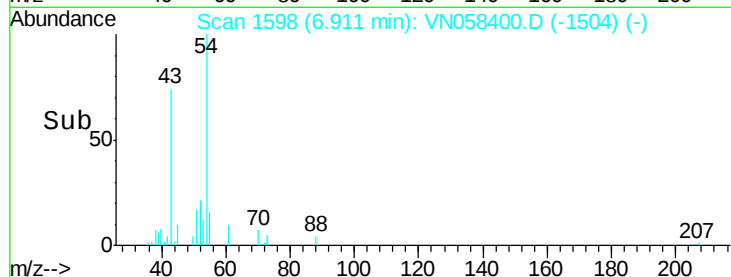
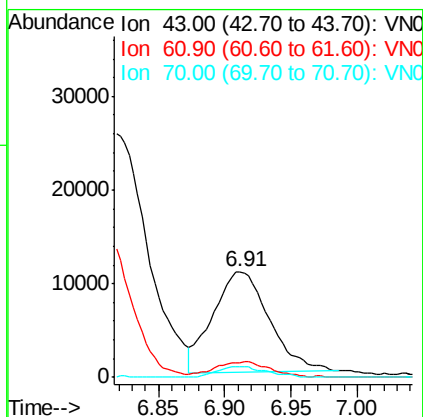
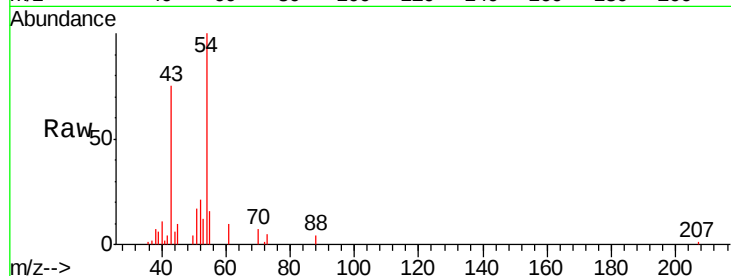




#37
Ethyl Acetate
Concen: 5.313 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

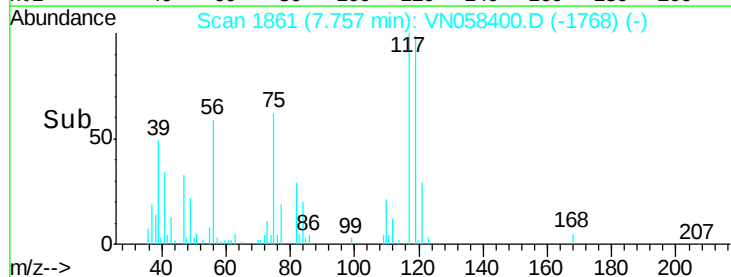
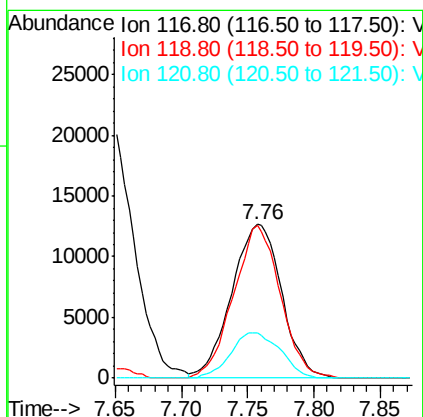
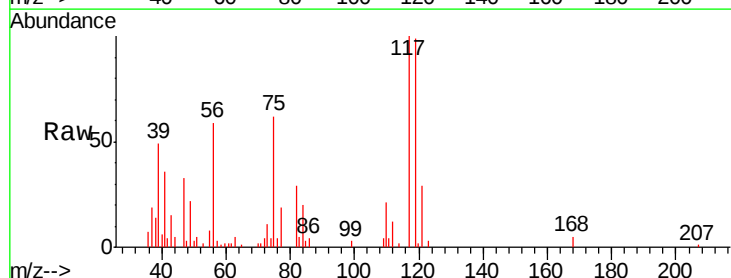
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

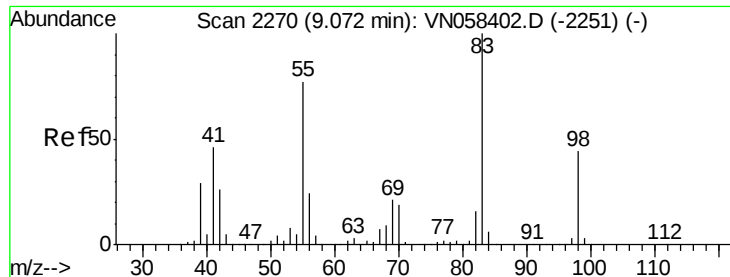
Tgt Ion: 43 Resp: 31544
Ion Ratio Lower Upper
43 100
61 15.6 10.5 15.7
70 9.5 7.8 11.6



#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 117 Resp: 33166
Ion Ratio Lower Upper
117 100
119 99.4 76.6 115.0
121 29.3 24.7 37.1

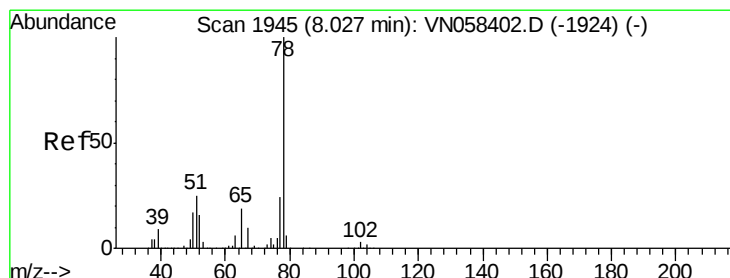
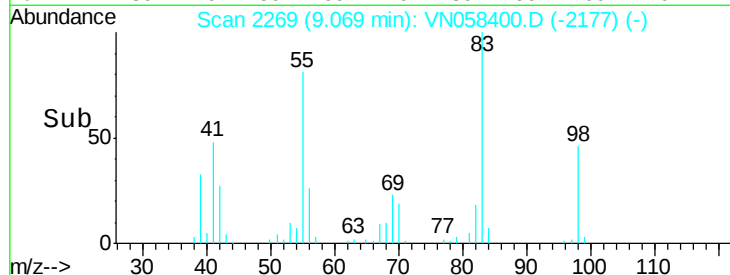
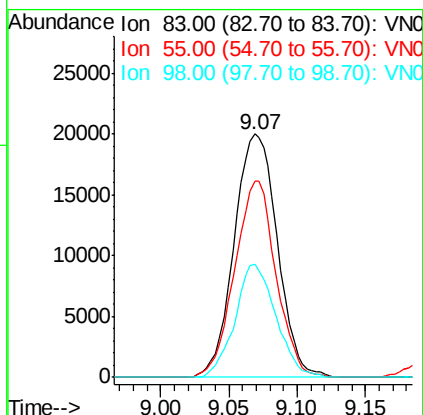
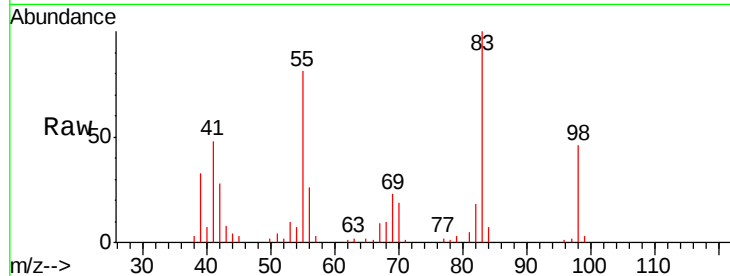




#39
Methylcyclohexane
Concen: 6.799 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

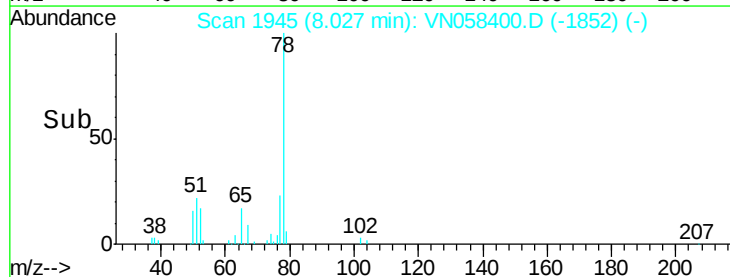
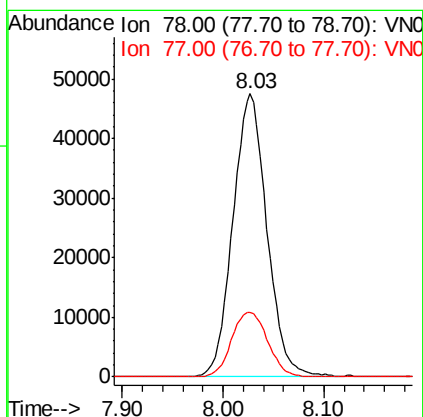
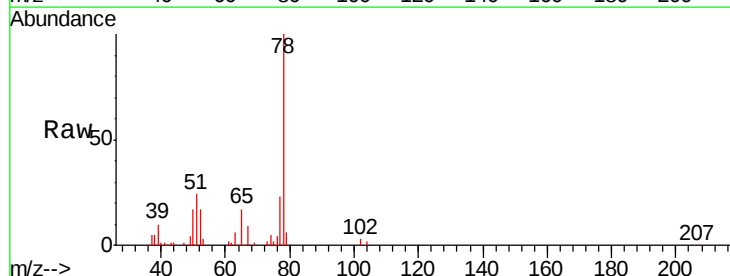
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

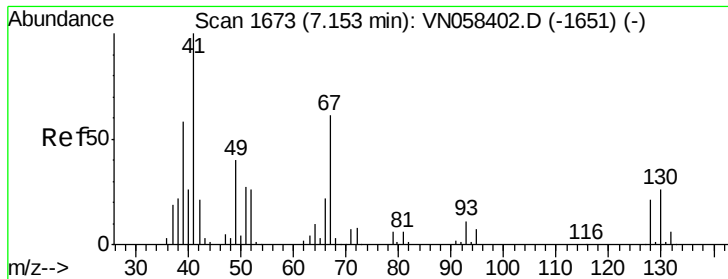
Tgt Ion: 83 Resp: 43975
Ion Ratio Lower Upper
83 100
55 80.7 61.8 92.6
98 46.4 35.4 53.0



#40
Benzene
Concen: 6.181 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 78 Resp: 111000
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

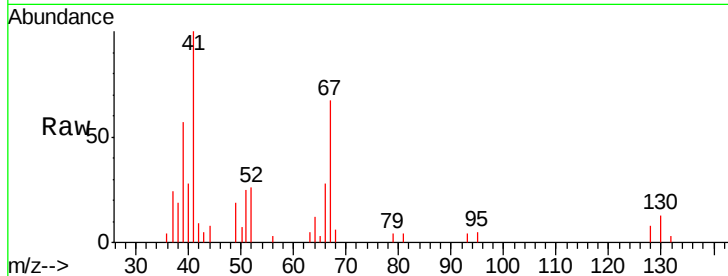




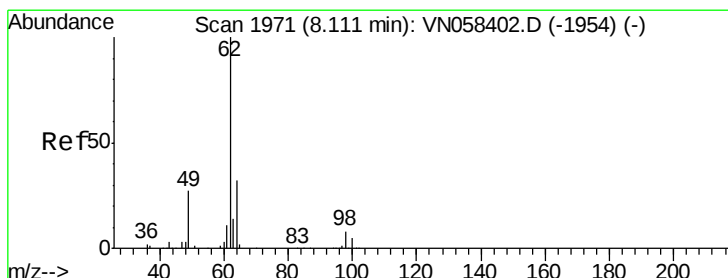
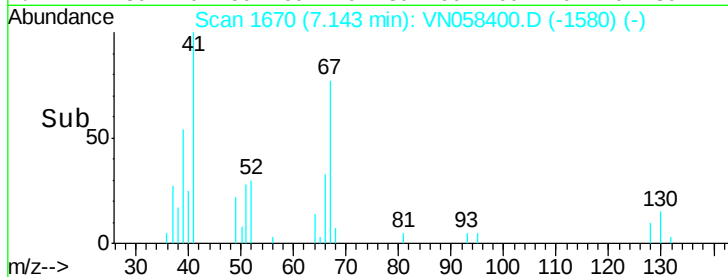
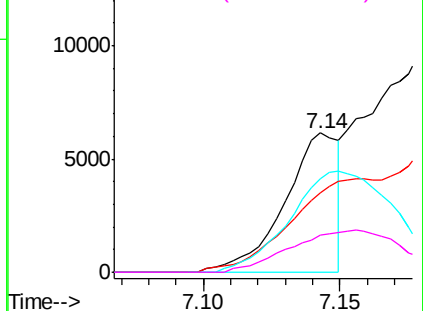
#41
Methacrylonitrile
Concen: 3.011 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 8446
Ion Ratio Lower Upper
41 100
39 100.4 50.2 75.4#
67 145.5 70.2 105.4#
52 62.6 31.4 47.0#

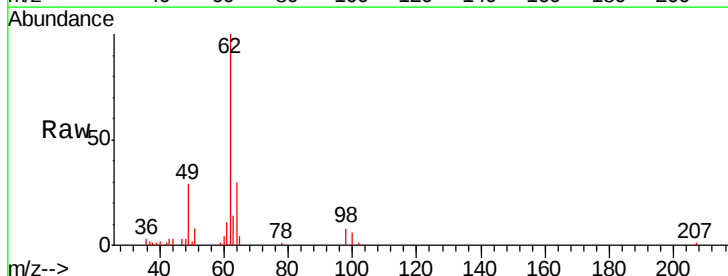


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

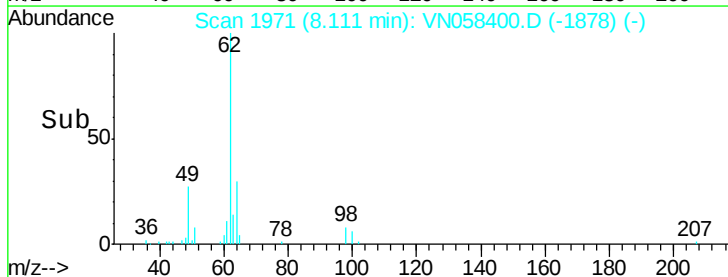
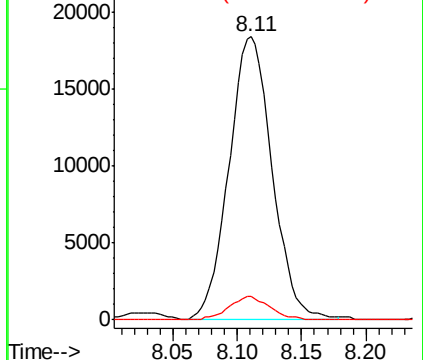


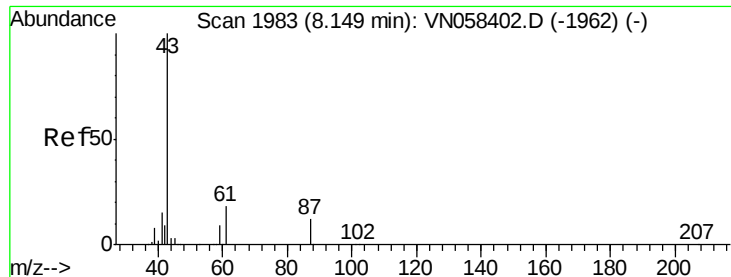
#42
1,2-Dichloroethane
Concen: 5.811 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 62 Resp: 42969
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: 5.249 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

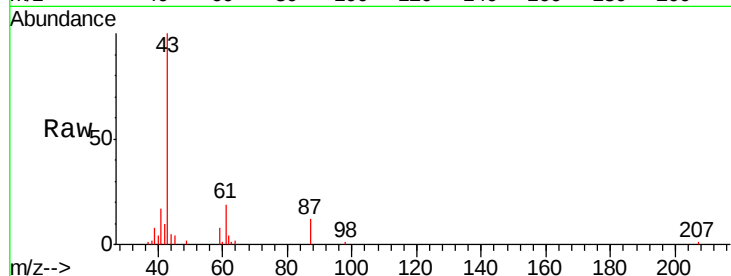
Tgt Ion: 43 Resp: 57886

Ion Ratio Lower Upper

43 100

61 17.6 14.8 22.2

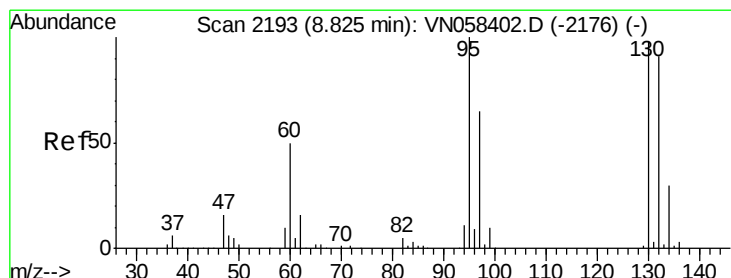
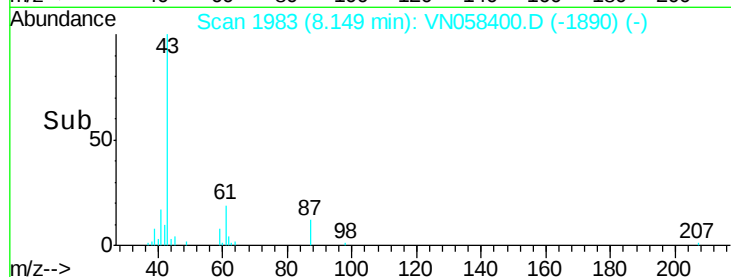
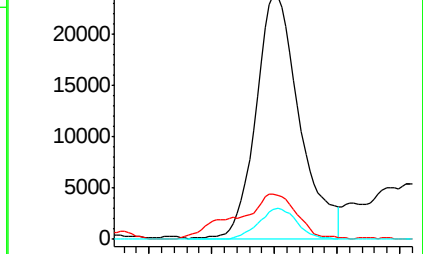
87 11.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058400.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058400.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058400.D (-1890) (-)



#44

Trichloroethene

Concen: 5.967 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058400.D

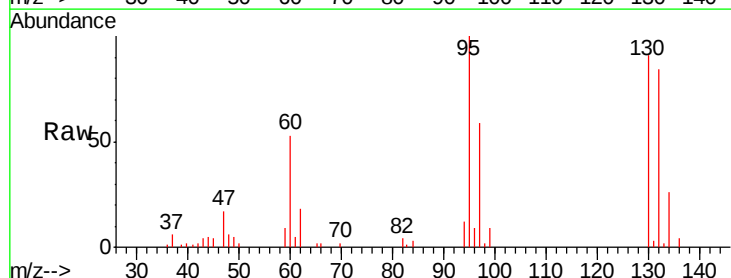
Acq: 27 Sep 2019 11:33

Tgt Ion: 130 Resp: 26273

Ion Ratio Lower Upper

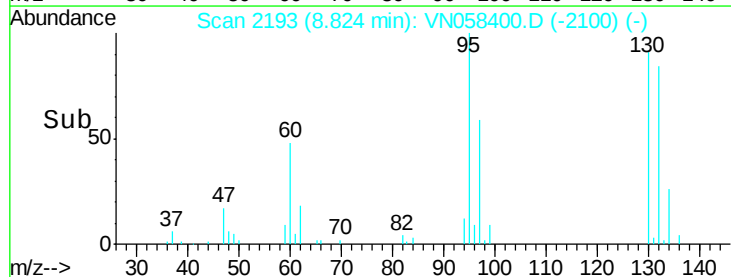
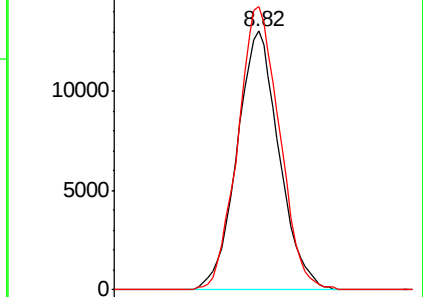
130 100

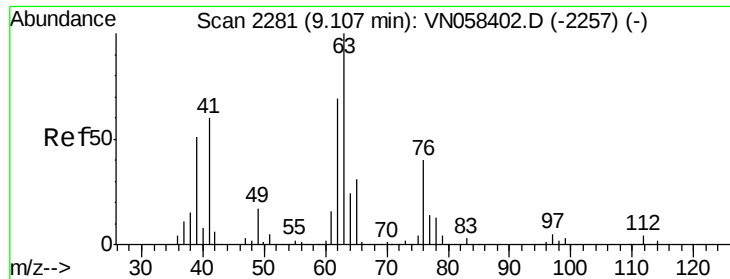
95 109.4 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058400.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058400.D (-2100) (-)

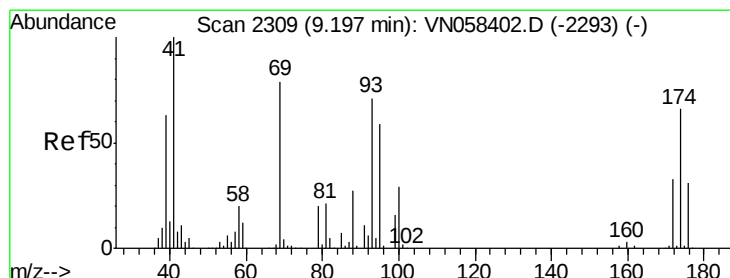
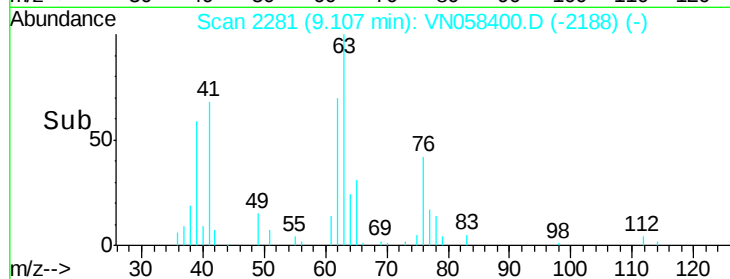
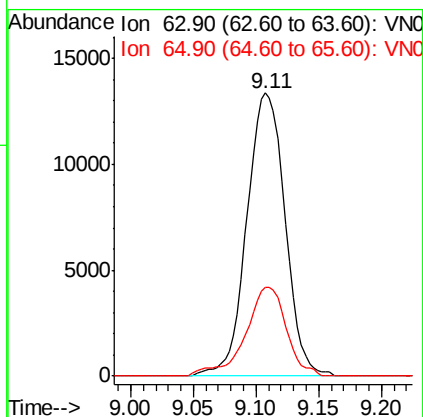
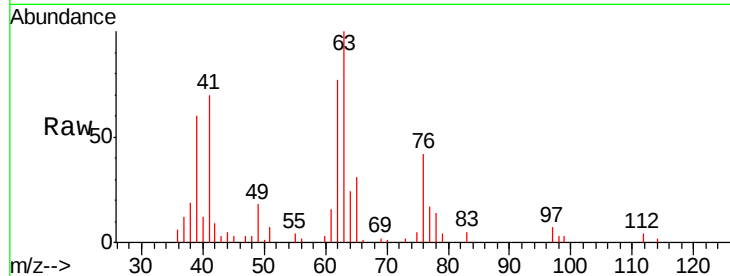




#45
 1,2-Dichloropropane
 Concen: 5.423 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

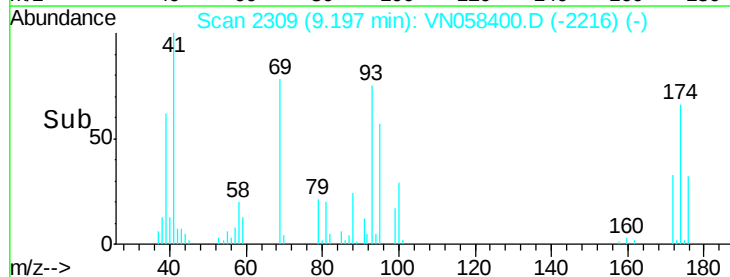
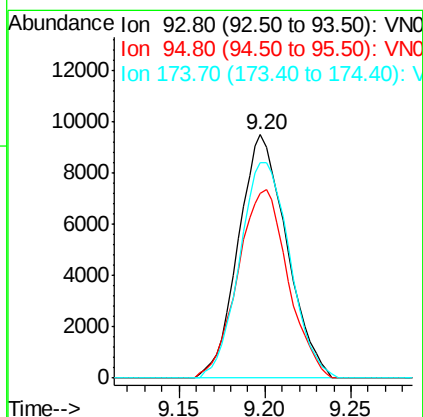
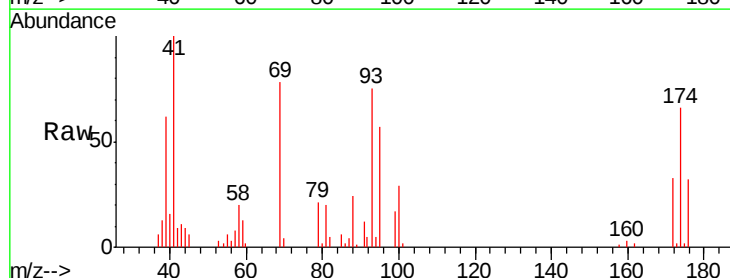
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

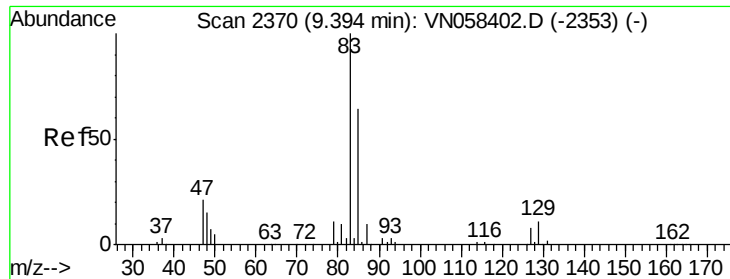
Tgt Ion: 63 Resp: 28344
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4



#46
 Dibromomethane
 Concen: 5.777 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 93 Resp: 18507
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.4
 174 91.9 74.2 111.2





#47

Bromodichloromethane

Concen: 4.886 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

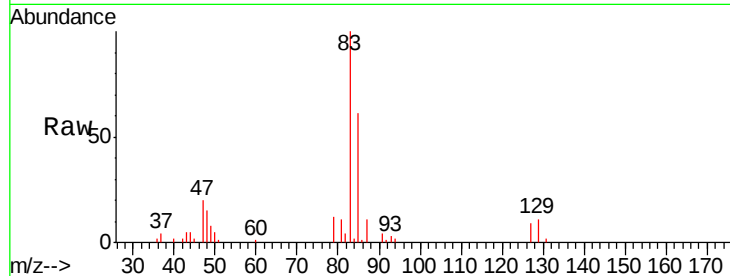
Tgt Ion: 83 Resp: 32219

Ion Ratio Lower Upper

83 100

85 61.3 51.2 76.8

127 9.1 6.3 9.5

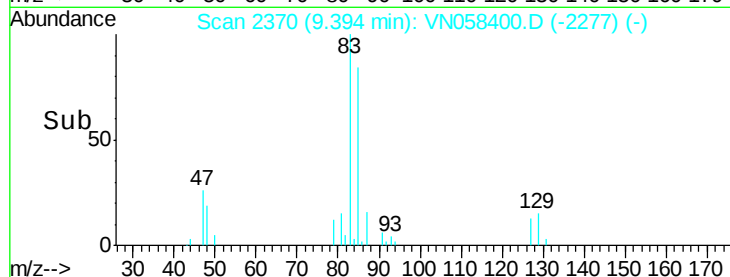


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

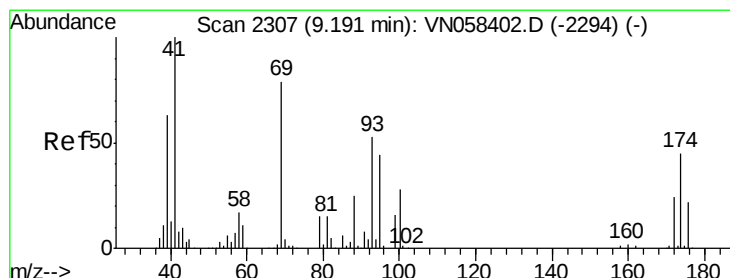
Ion 126.80 (126.50 to 127.50): VN0

Time-->



9.39

Time-->



#48

Methyl methacrylate

Concen: 5.326 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

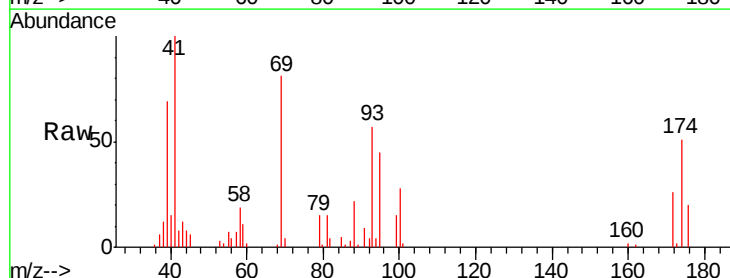
Tgt Ion: 41 Resp: 26631

Ion Ratio Lower Upper

41 100

69 81.5 64.7 97.1

39 66.8 52.9 79.3

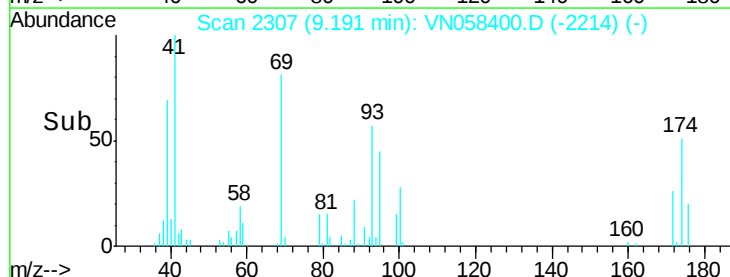


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

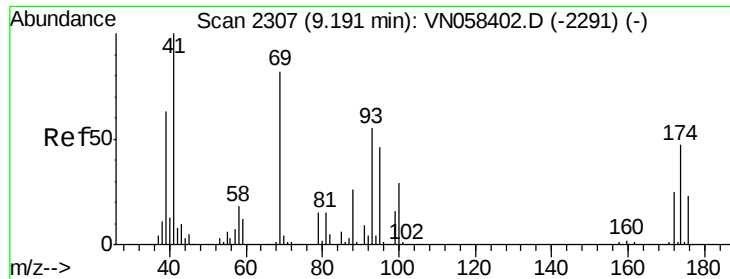
Ion 39.00 (38.70 to 39.70): VN0

Time-->



9.19

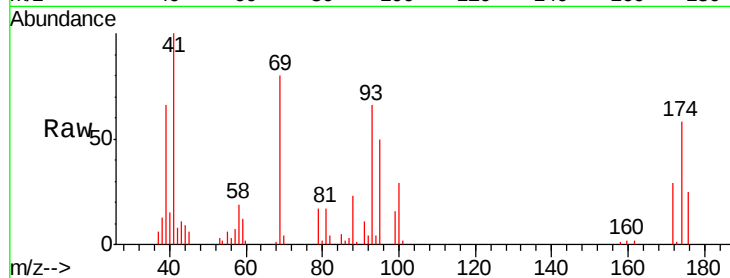
Time-->



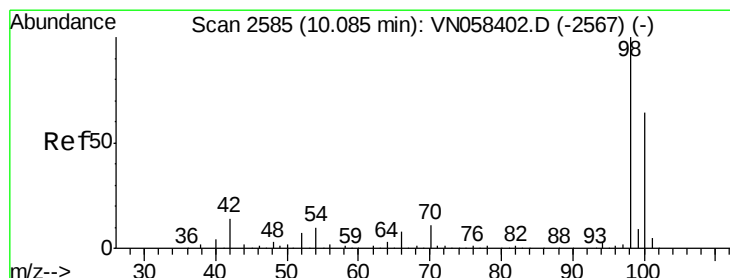
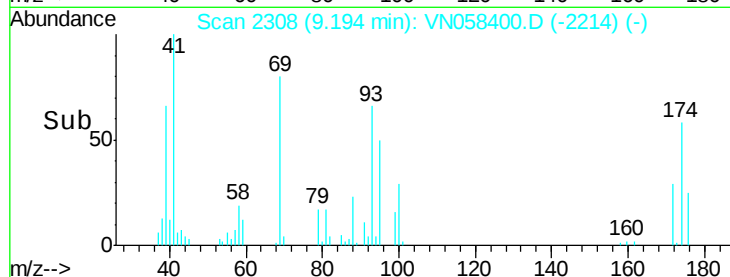
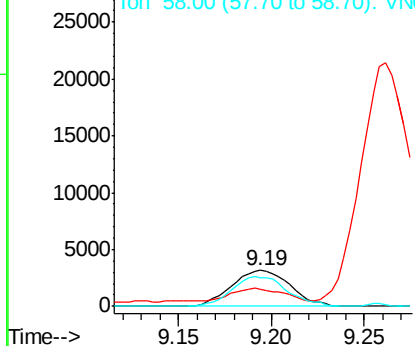
#49
1,4-Dioxane
Concen: 86.751 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 6882
Ion Ratio Lower Upper
88 100
43 32.1 31.1 46.7
58 79.5 58.1 87.1

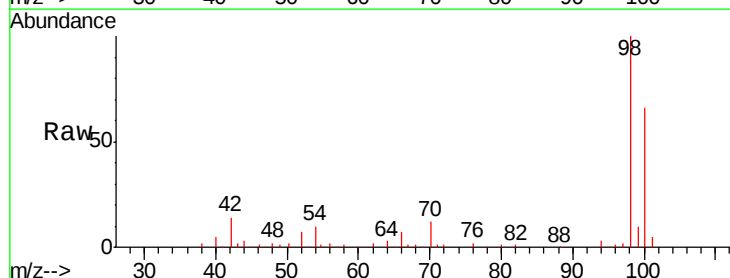


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

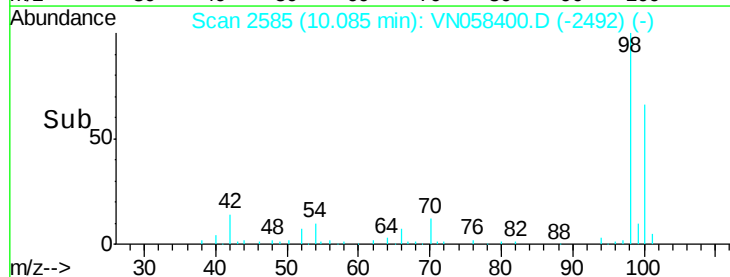
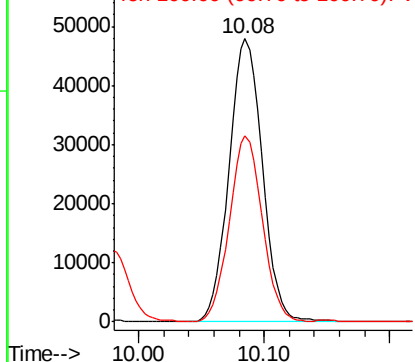


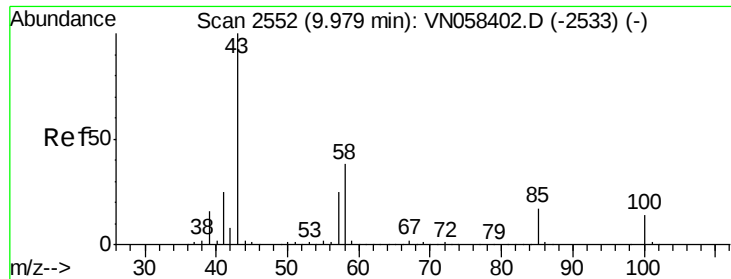
#50
Toluene-d8
Concen: 4.835 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 98 Resp: 88594
Ion Ratio Lower Upper
98 100
100 64.9 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: 27.093 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

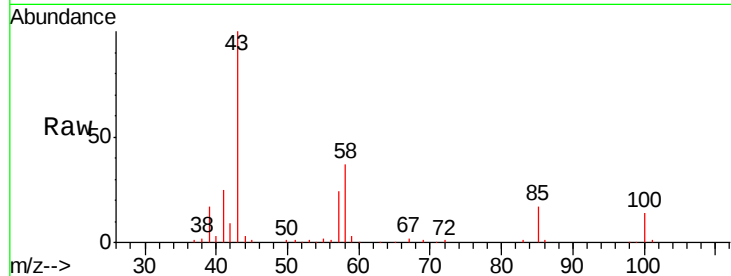
VSTDIC005

Tgt Ion: 43 Resp: 156951

Ion Ratio Lower Upper

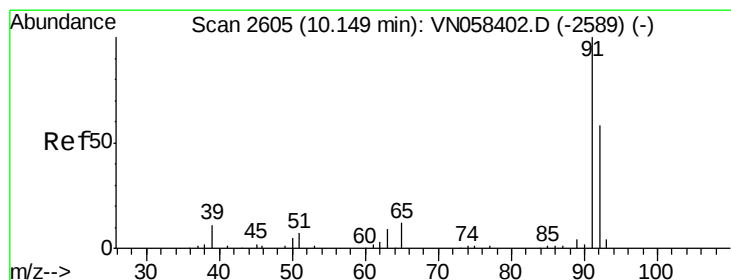
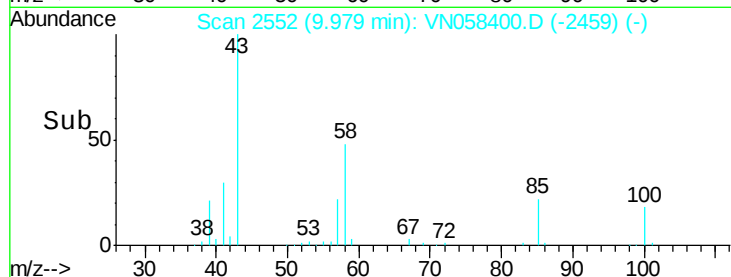
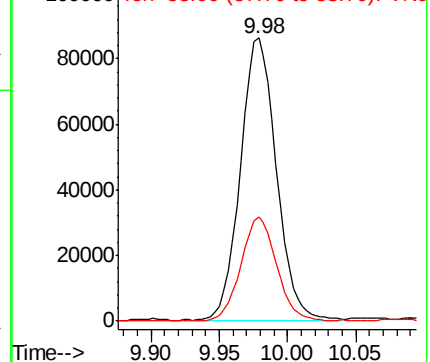
43 100

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



#52

Toluene

Concen: 5.997 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058400.D

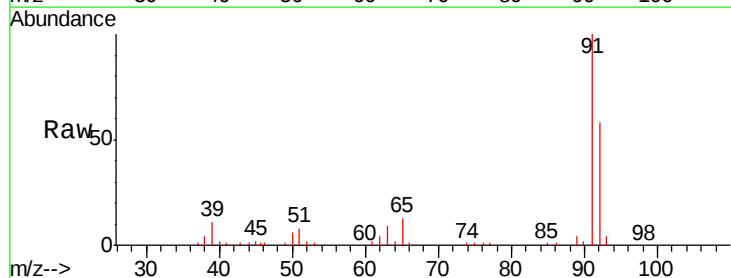
Acq: 27 Sep 2019 11:33

Tgt Ion: 92 Resp: 67017

Ion Ratio Lower Upper

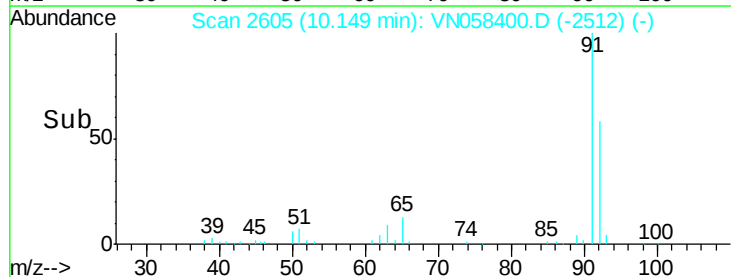
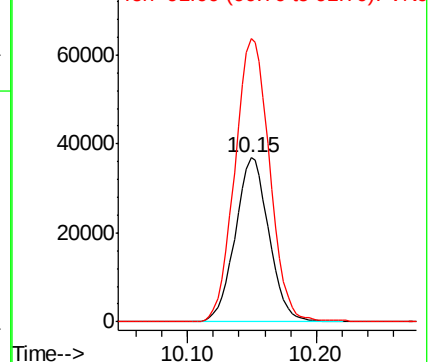
92 100

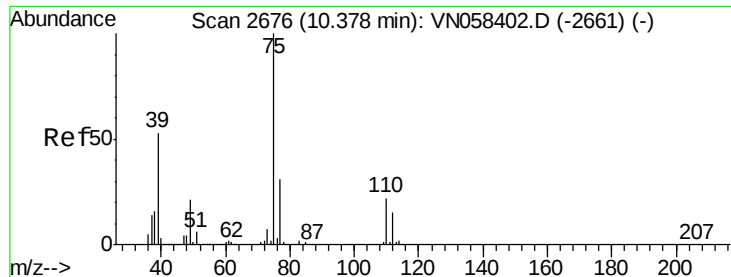
91 177.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 4.775 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

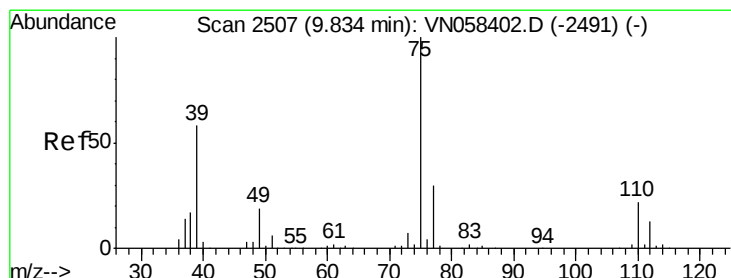
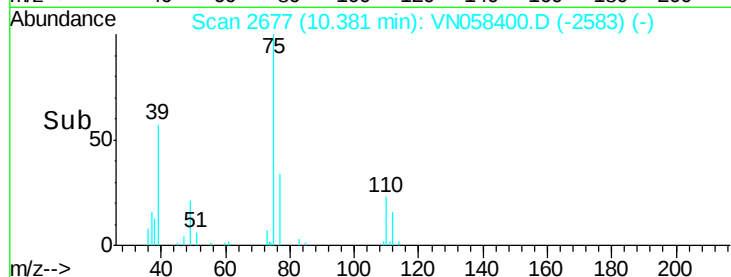
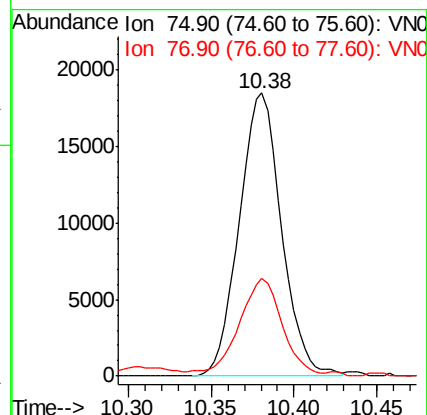
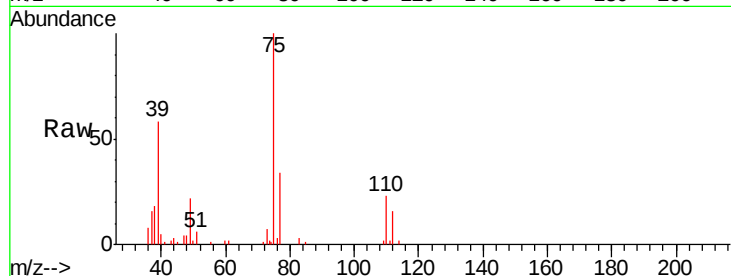
VSTDIC005

Tgt Ion: 75 Resp: 32713

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 5.089 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

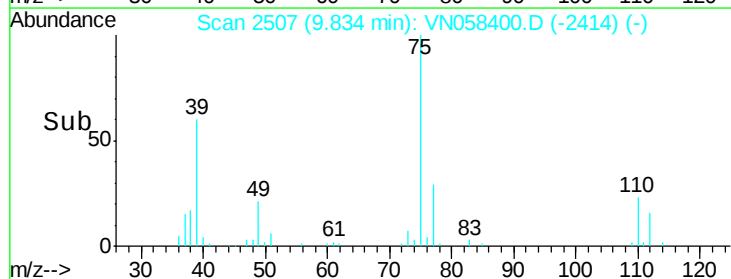
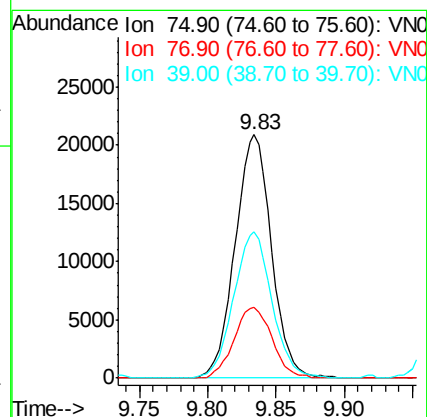
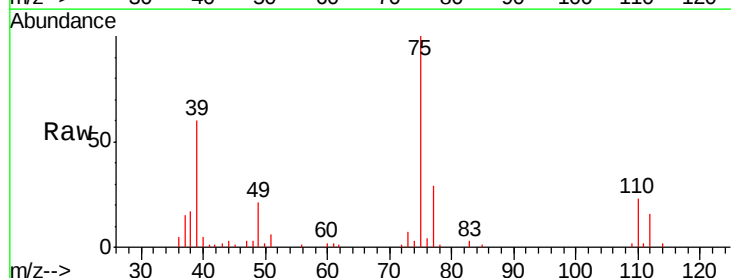
Tgt Ion: 75 Resp: 38592

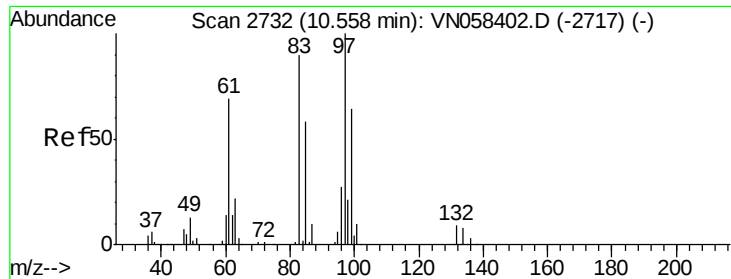
Ion Ratio Lower Upper

75 100

77 29.0 24.2 36.4

39 60.0 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 5.212 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 24977

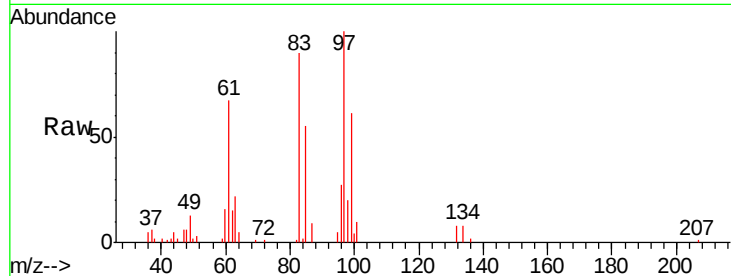
Ion Ratio Lower Upper

97 100

83 89.7 71.8 107.6

85 55.0 46.6 69.8

99 61.3 51.5 77.3

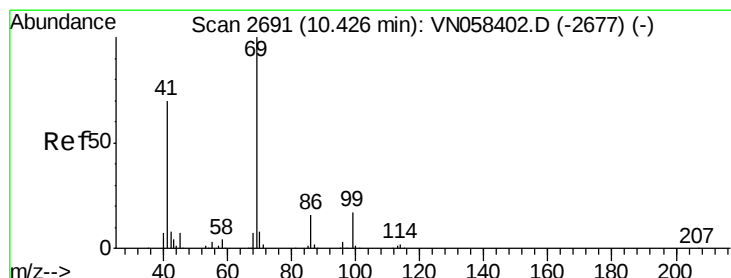
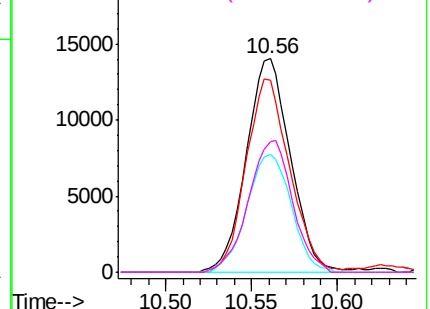
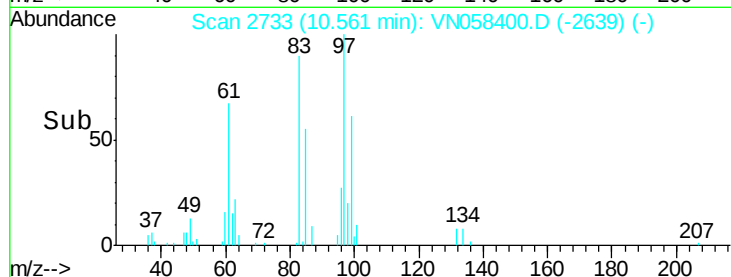


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.943 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

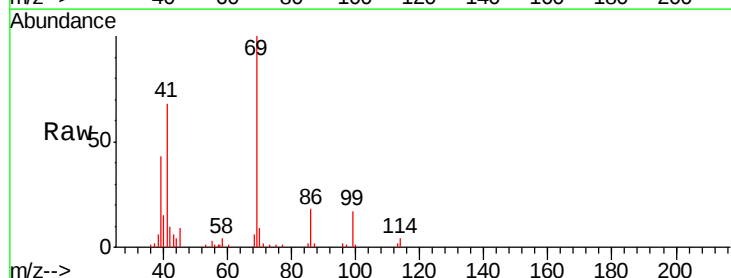
Tgt Ion: 69 Resp: 34417

Ion Ratio Lower Upper

69 100

41 74.8 56.3 84.5

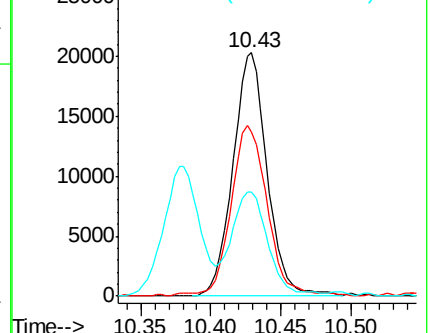
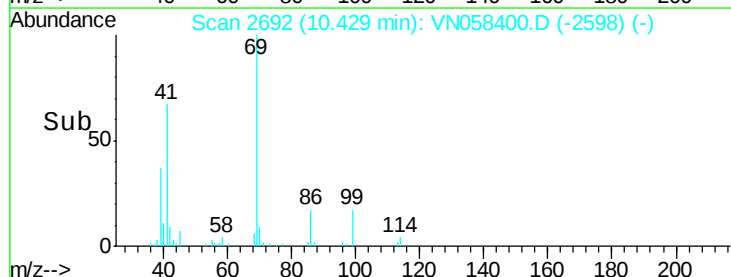
39 43.0 35.8 53.6

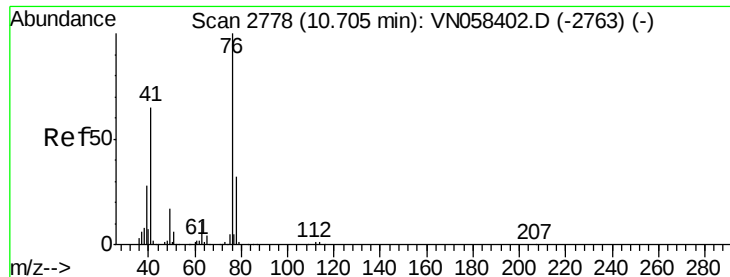


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.434 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

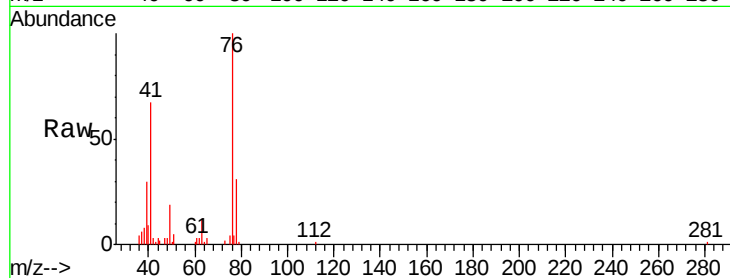
VSTDIC005

Tgt Ion: 76 Resp: 45124

Ion Ratio Lower Upper

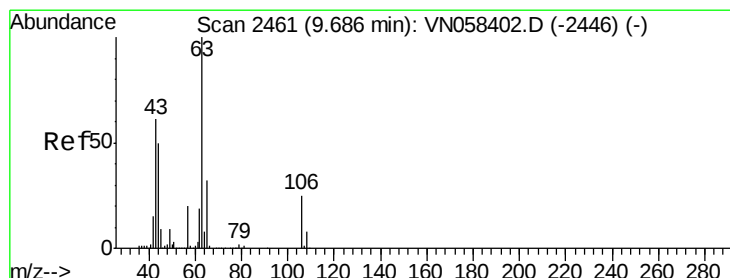
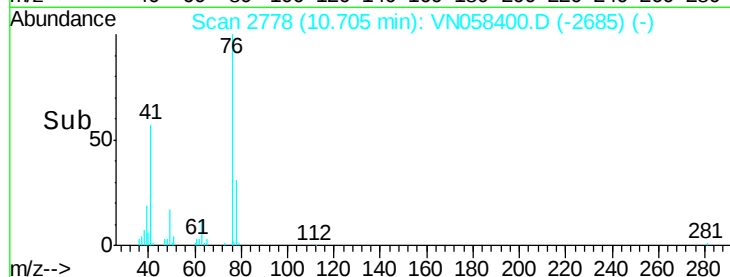
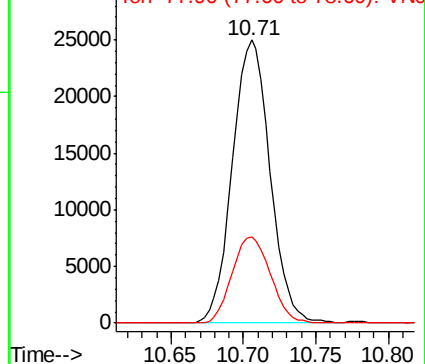
76 100

78 31.0 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.960 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058400.D

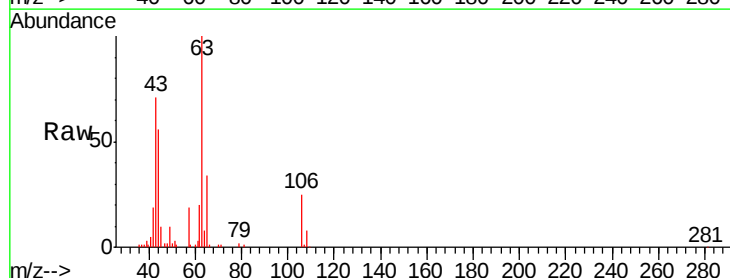
Acq: 27 Sep 2019 11:33

Tgt Ion: 63 Resp: 69981

Ion Ratio Lower Upper

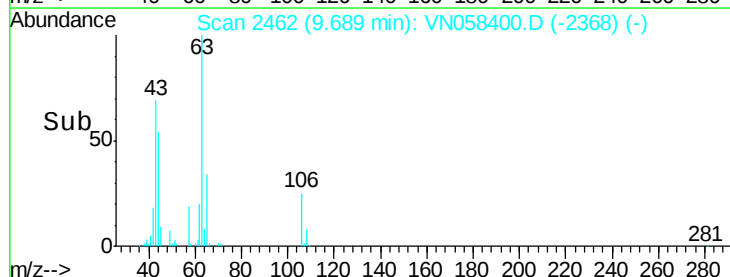
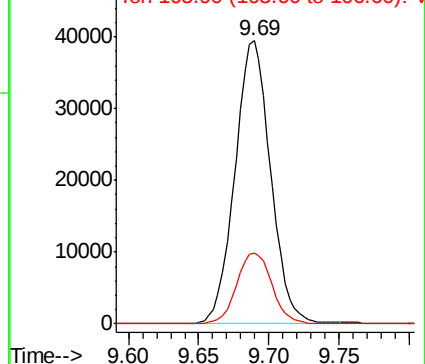
63 100

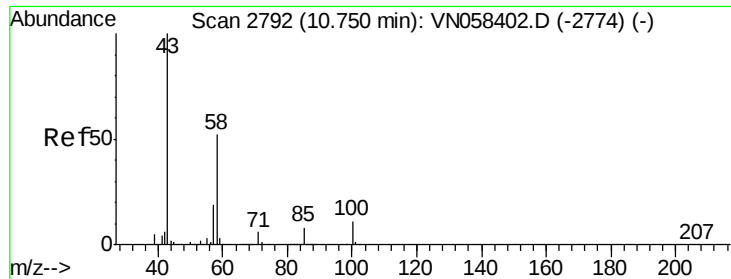
106 24.7 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

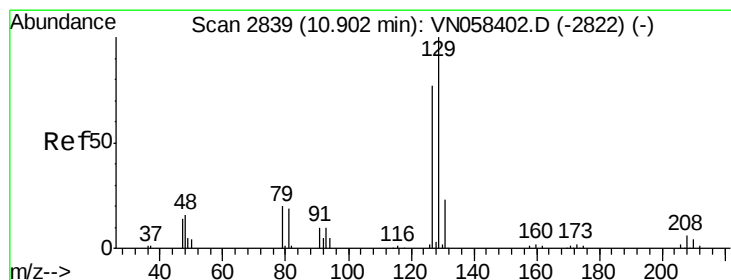
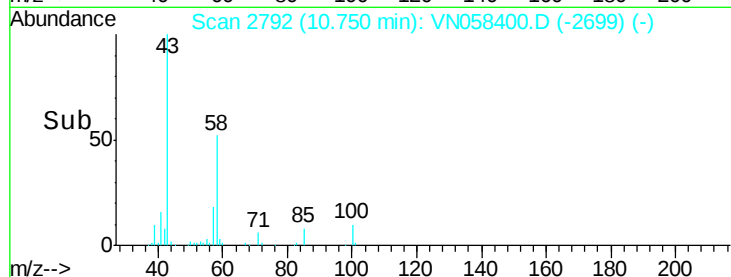
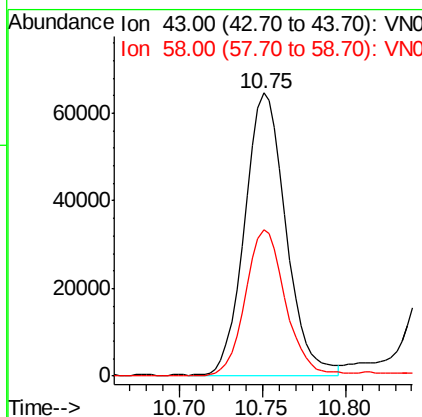
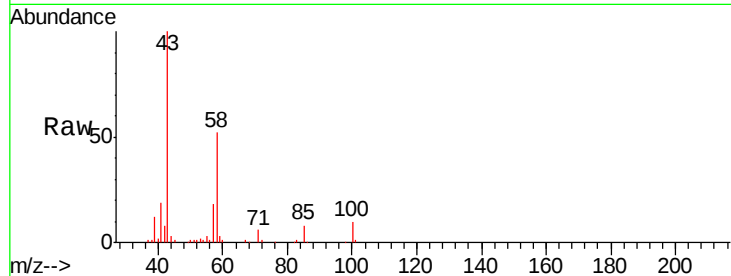




#59
2-Hexanone
Concen: 25.888 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

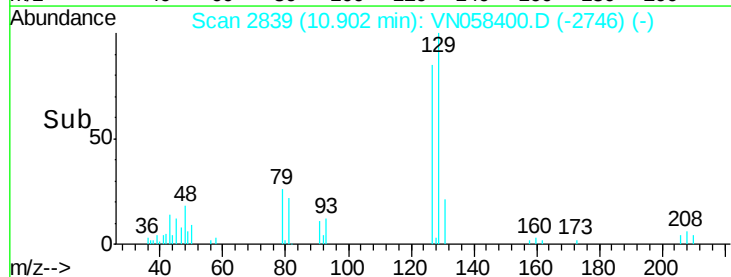
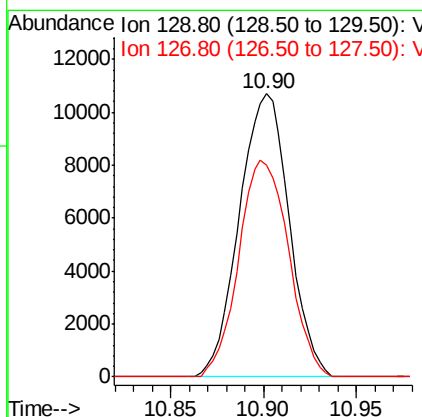
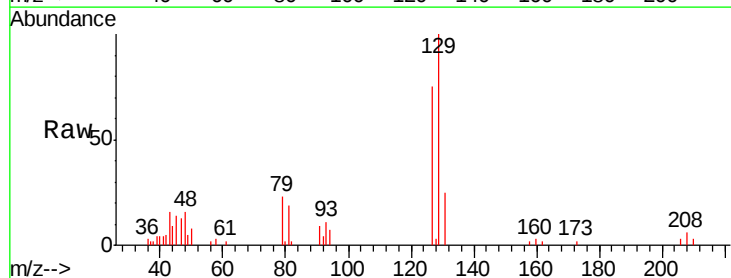
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

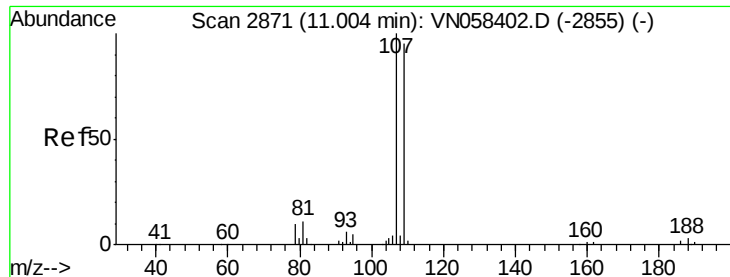
Tgt Ion: 43 Resp: 111104
Ion Ratio Lower Upper
43 100
58 50.7 25.8 77.3



#60
Dibromochloromethane
Concen: 4.326 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 129 Resp: 19957
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8

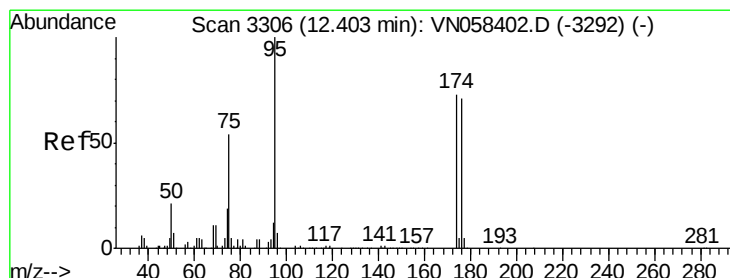
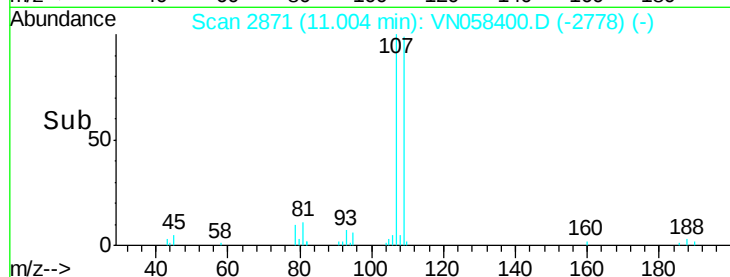
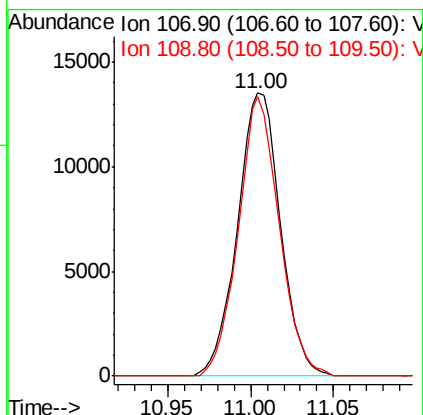
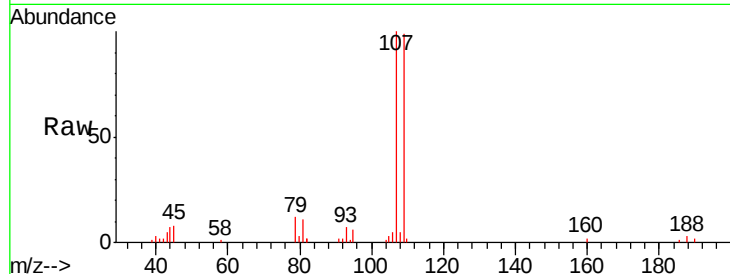




#61
 1,2-Dibromoethane
 Concen: 5.383 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

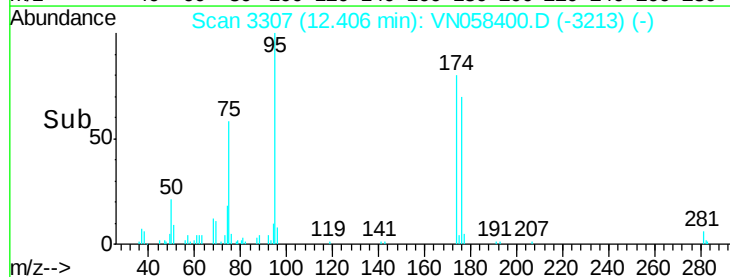
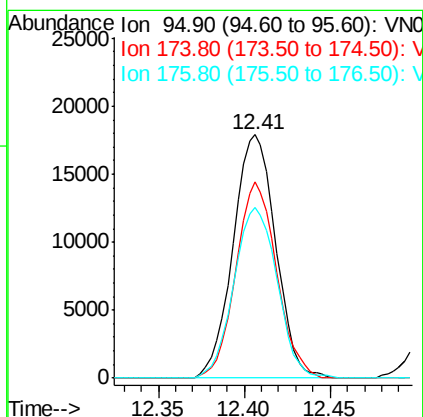
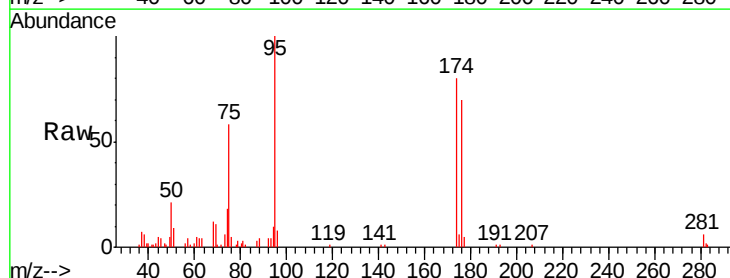
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

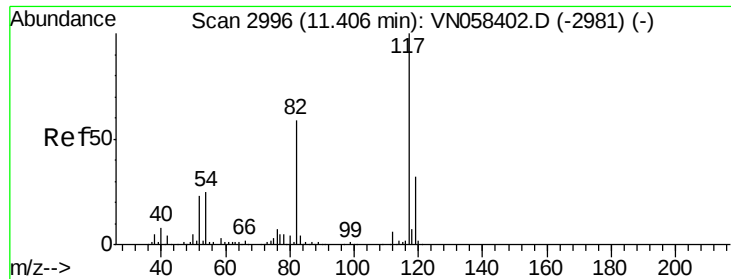
Tgt Ion: 107 Resp: 24396
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 4.549 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion: 95 Resp: 30869
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 150.6
 176 71.3 0.0 146.2

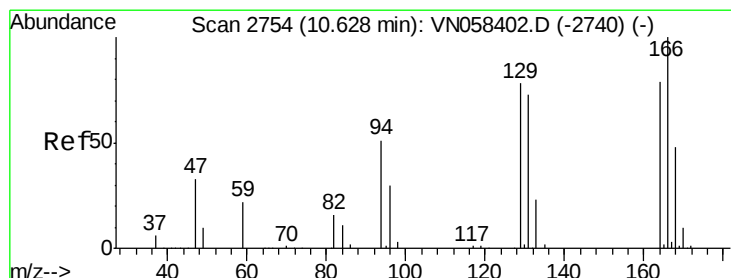
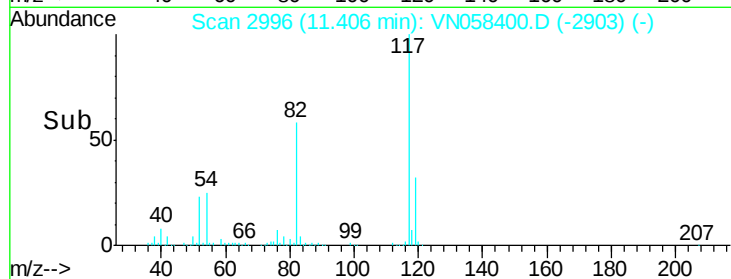
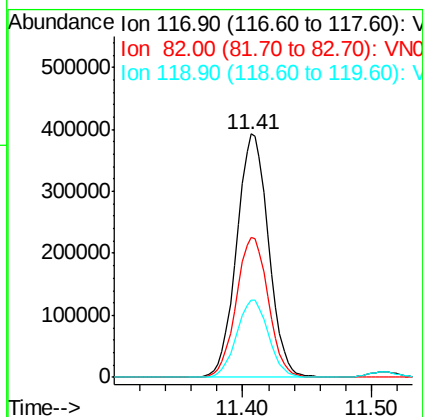
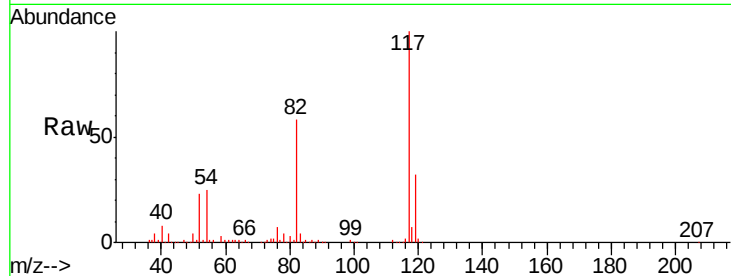




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

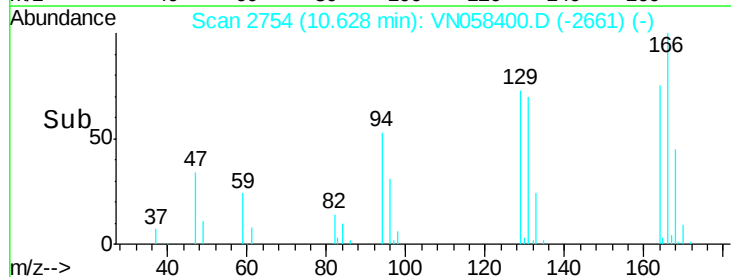
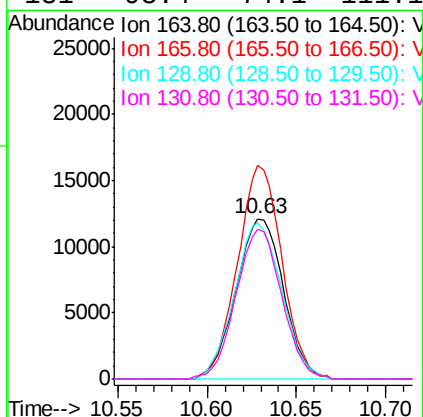
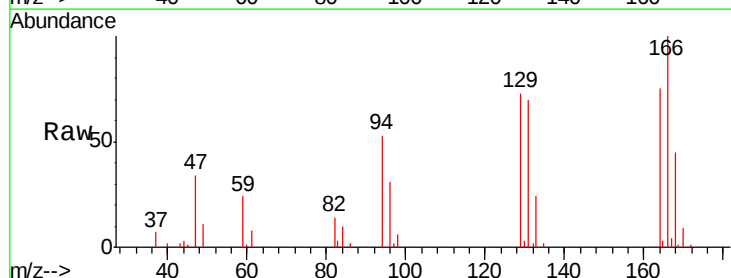
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

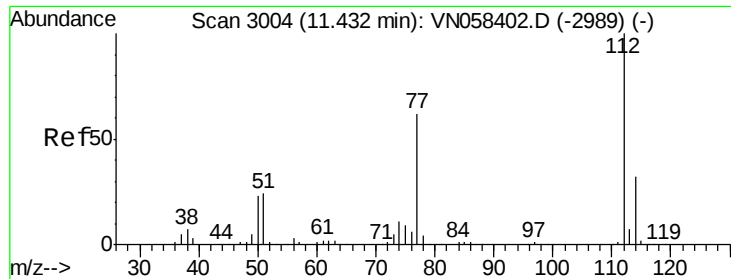
Tgt Ion:117 Resp: 675153
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 6.449 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:164 Resp: 22543
Ion Ratio Lower Upper
164 100
166 133.2 101.1 151.7
129 97.1 79.2 118.8
131 93.4 74.1 111.1

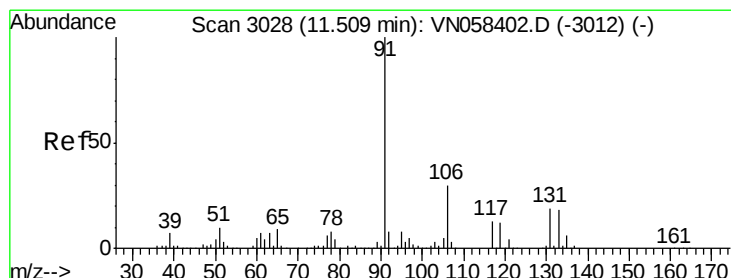
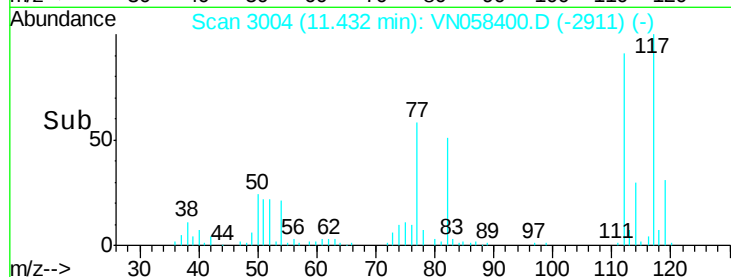
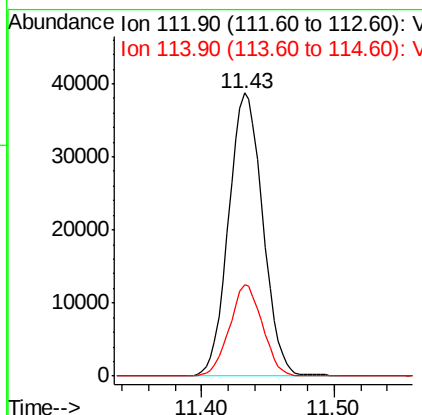
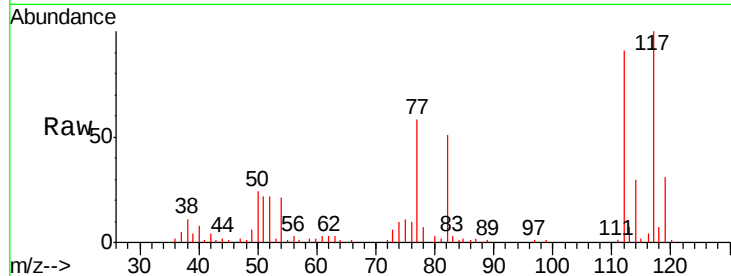




#65
Chlorobenzene
Concen: 5.669 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

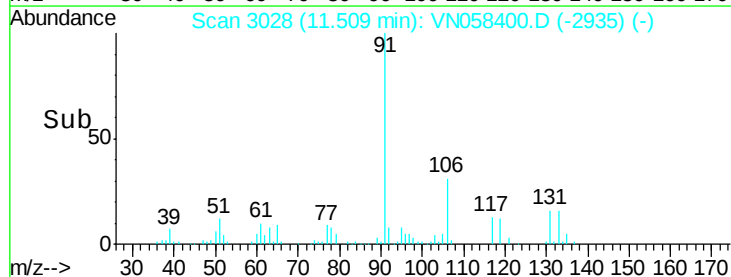
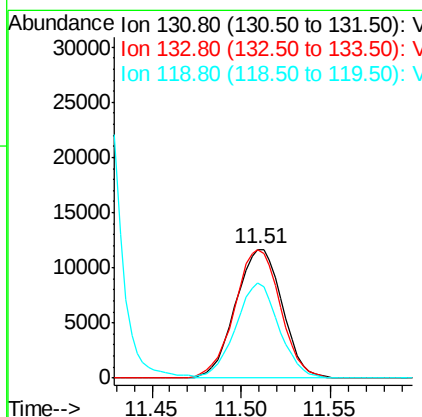
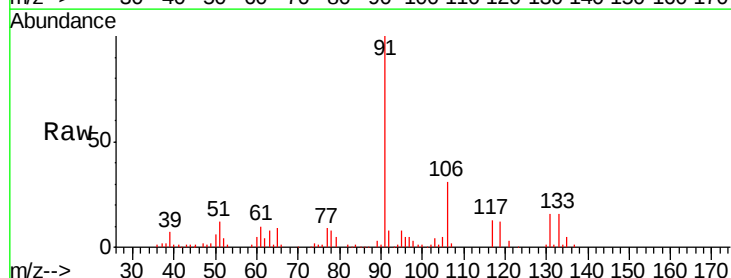
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

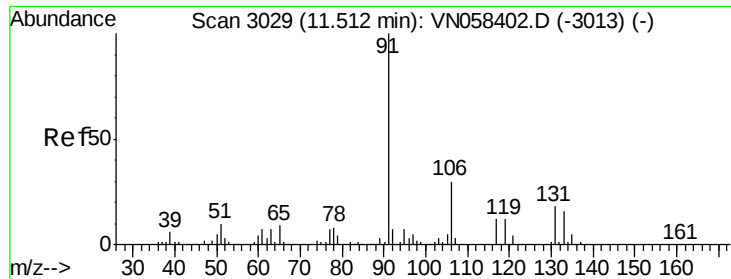
Tgt Ion:112 Resp: 69369
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 4.872 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:131 Resp: 21283
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 68.1 33.0 99.0

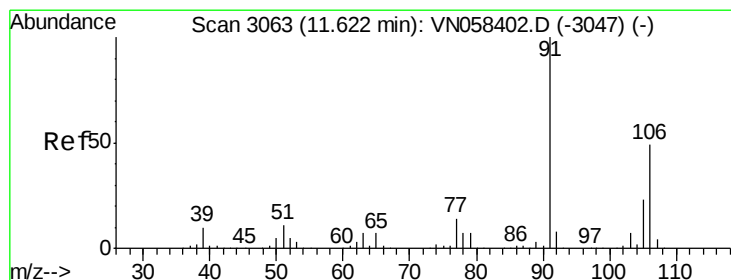
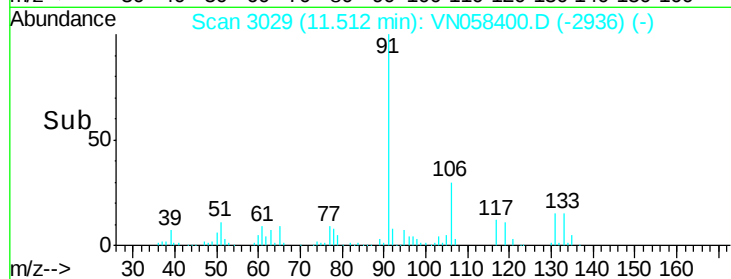
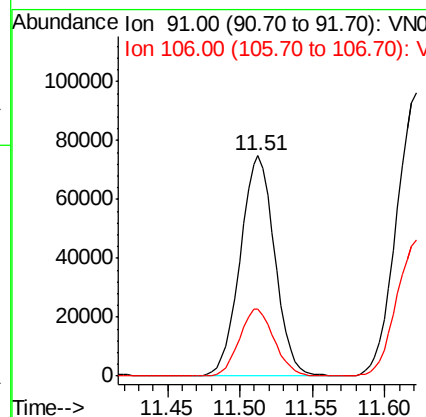
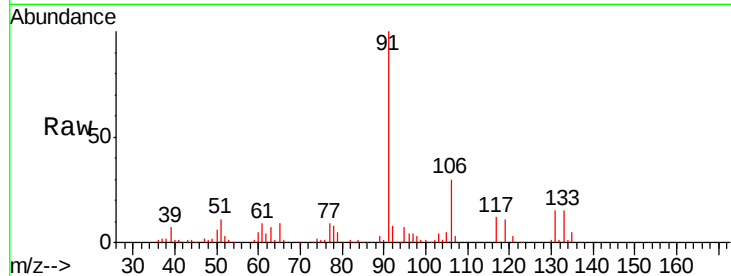




#67
Ethyl Benzene
Concen: 5.873 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

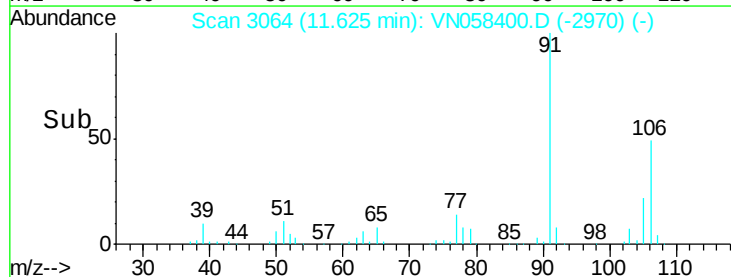
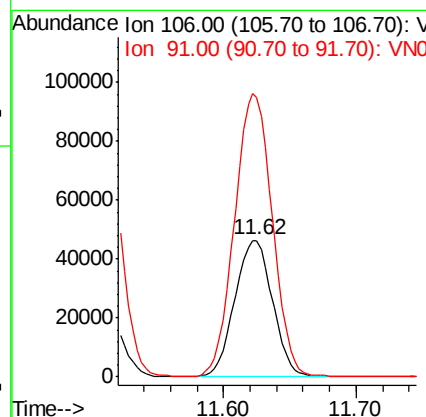
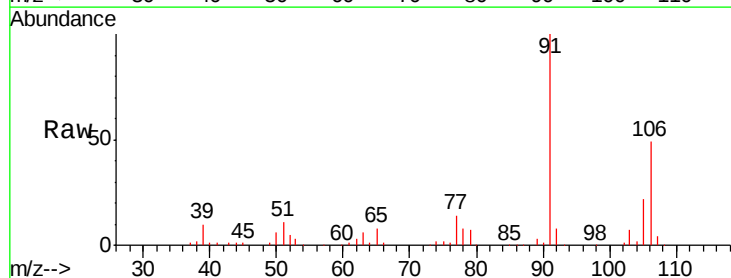
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

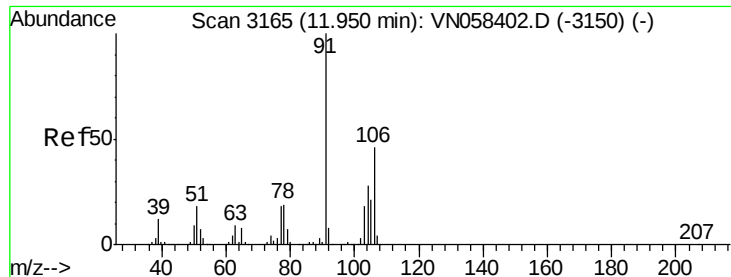
Tgt Ion: 91 Resp: 124155
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 11.500 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion: 106 Resp: 91682
Ion Ratio Lower Upper
106 100
91 207.7 165.0 247.4

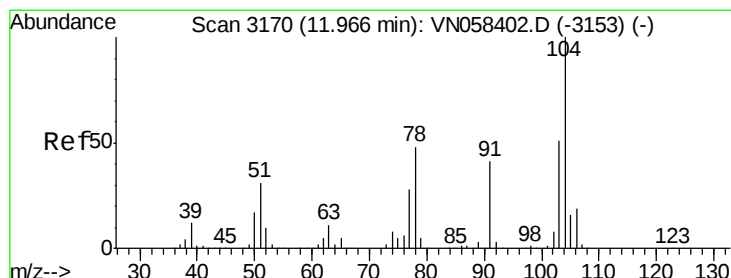
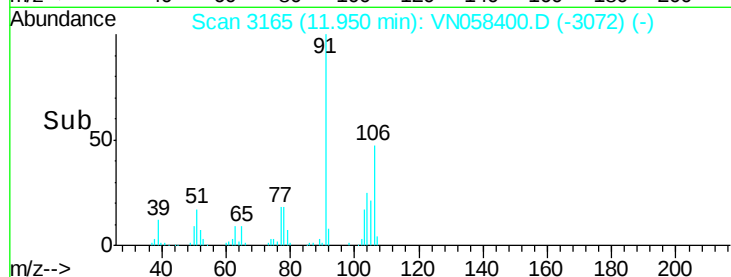
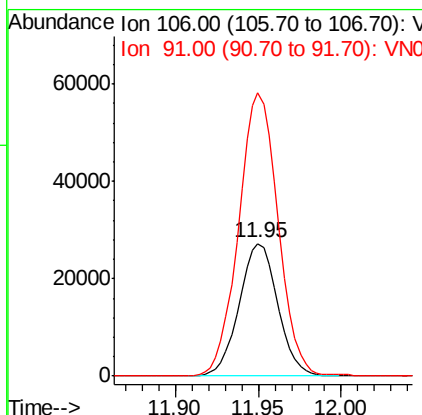
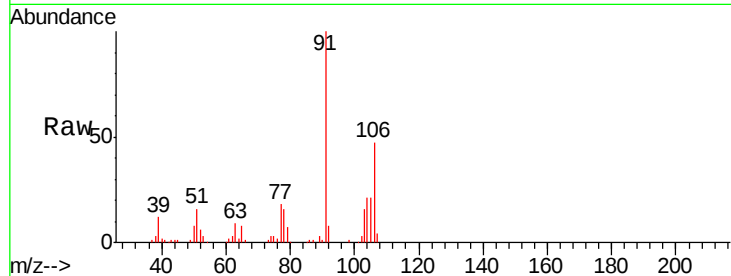




#69
o-Xylene
Concen: 5.663 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

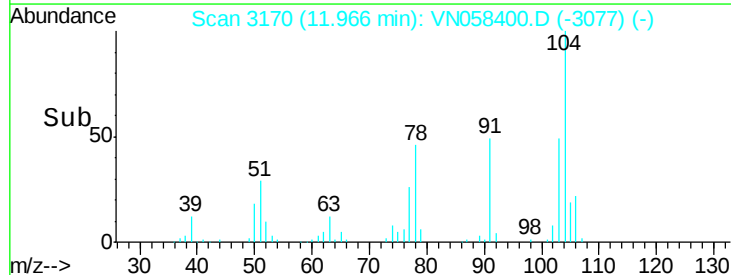
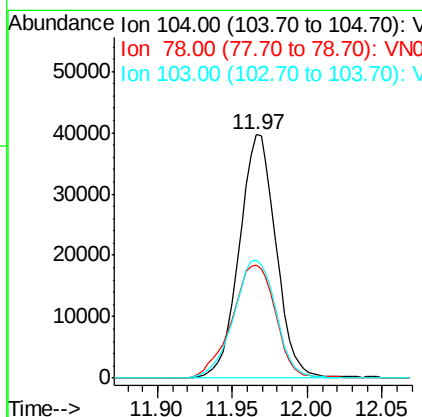
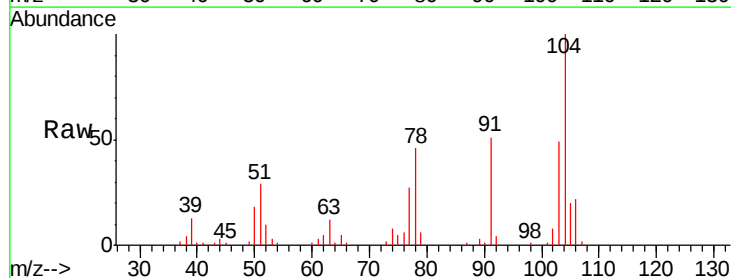
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

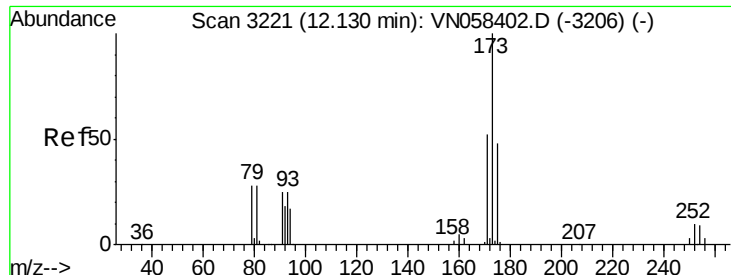
Tgt Ion:106 Resp: 44165
Ion Ratio Lower Upper
106 100
91 219.0 109.1 327.4



#70
Styrene
Concen: 5.102 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:104 Resp: 67808
Ion Ratio Lower Upper
104 100
78 55.5 42.8 64.2
103 55.4 43.7 65.5





#71

Bromoform

Concen: 4.355 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

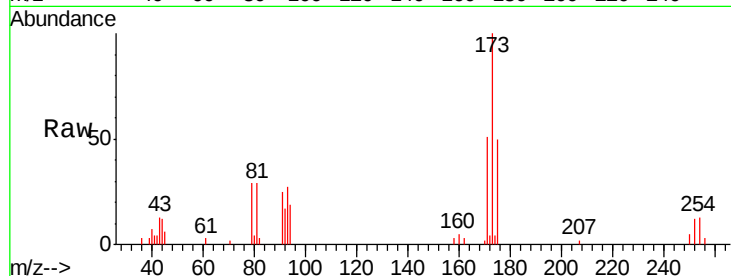
Tgt Ion:173 Resp: 11978

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

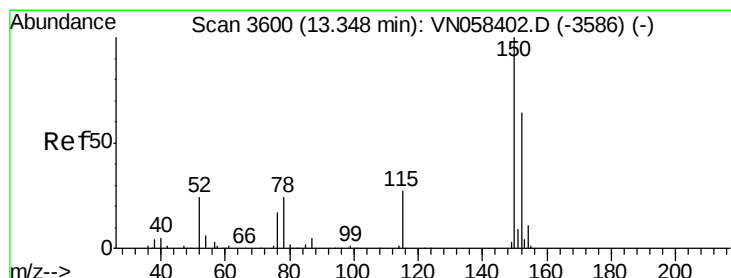
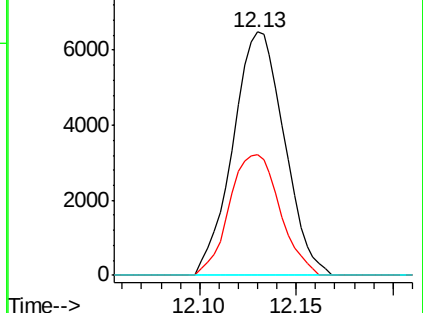
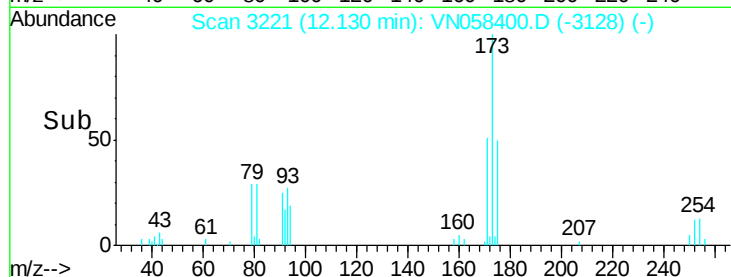
254 0.0 0.1 0.1#



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: VN058400.D

Acq: 27 Sep 2019 11:33

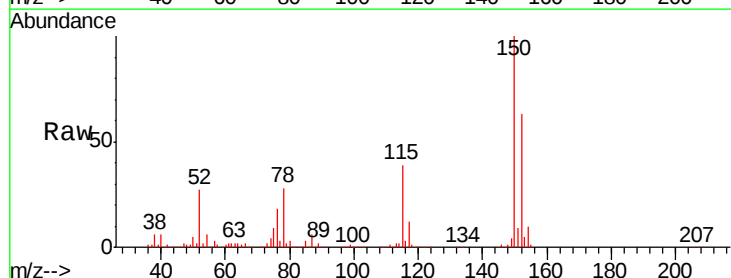
Tgt Ion:152 Resp: 289291

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

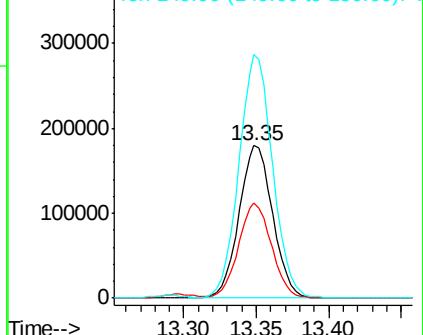
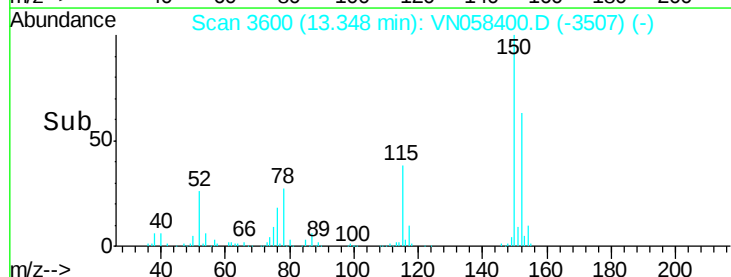
150 159.5 0.0 348.2

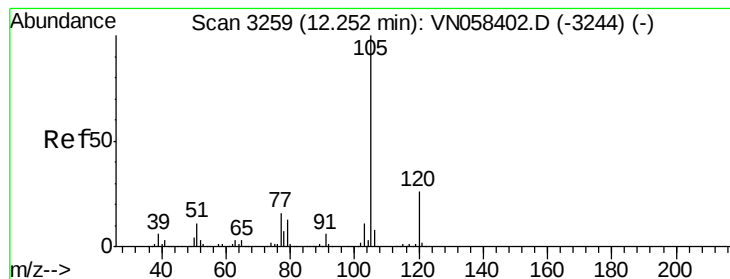


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.167 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

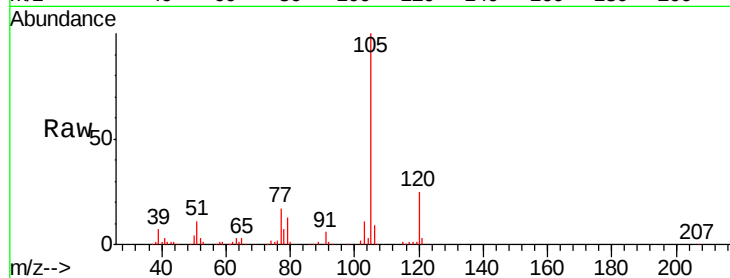
VSTDIC005

Tgt Ion: 105 Resp: 115445

Ion Ratio Lower Upper

105 100

120 24.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

80000

60000

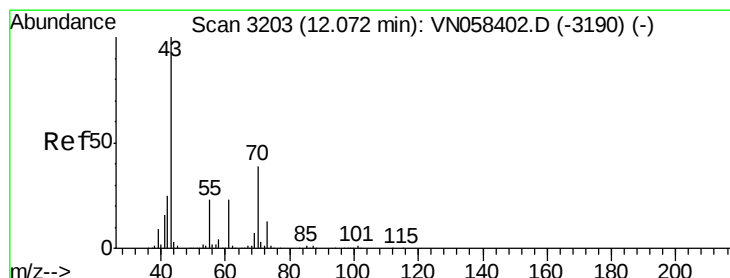
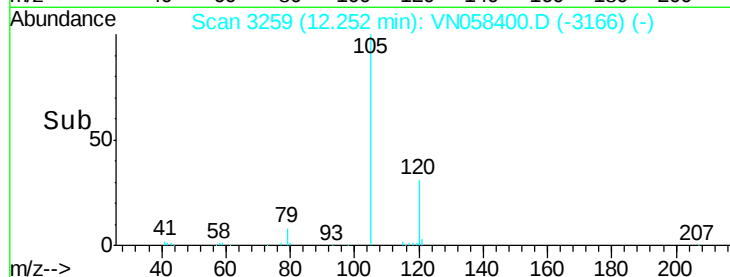
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.484 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Tgt Ion: 43 Resp: 42442

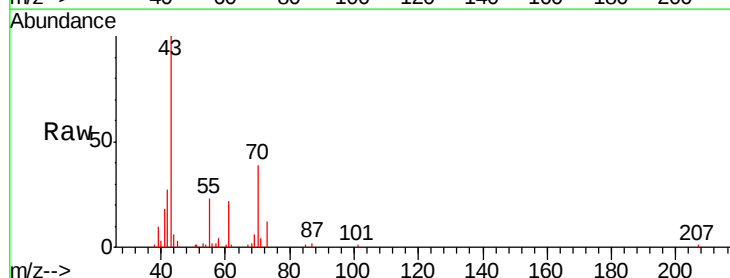
Ion Ratio Lower Upper

43 100

70 39.1 31.4 47.2

55 24.0 18.2 27.4

61 21.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

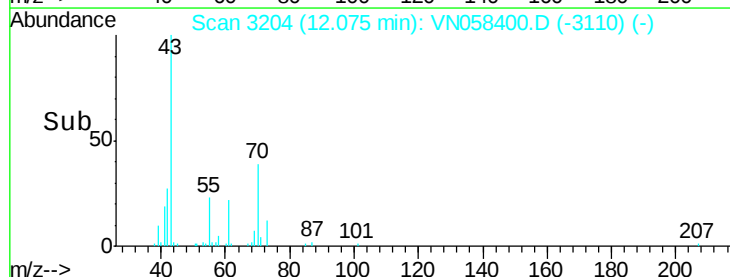
20000

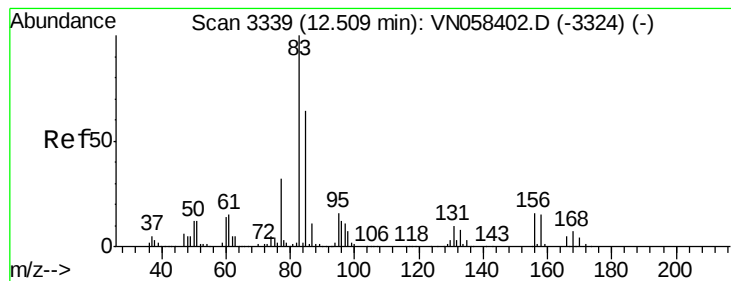
10000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 5.493 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

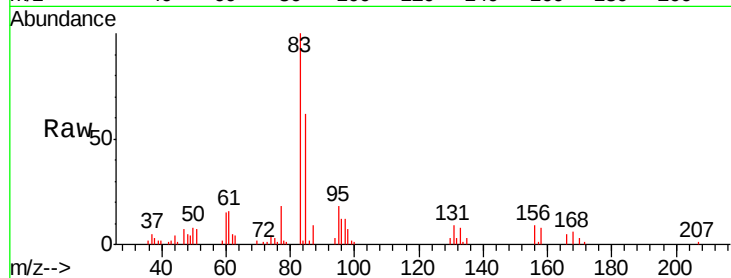
Tgt Ion: 83 Resp: 33562

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

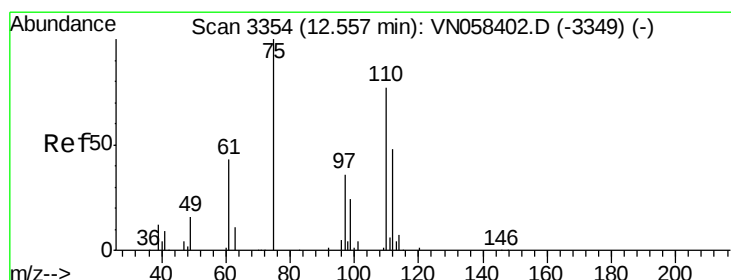
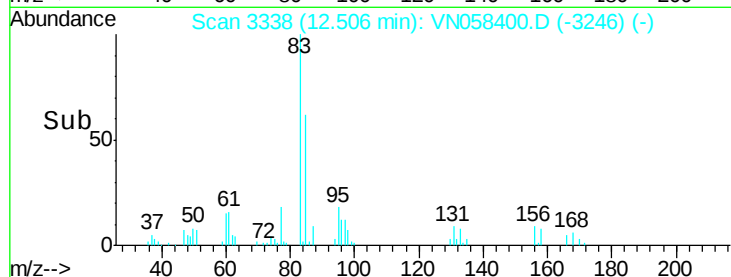
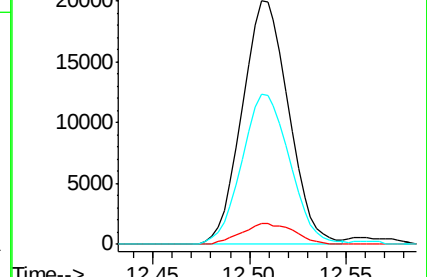
85 63.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 7.865 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058400.D

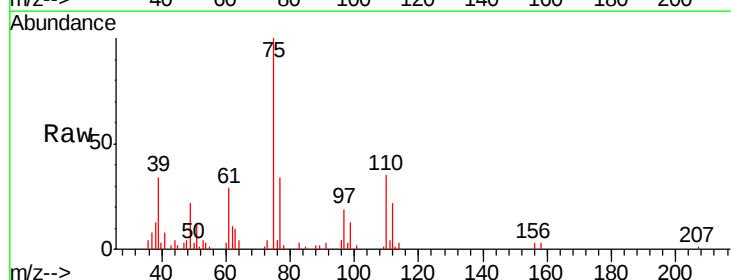
Acq: 27 Sep 2019 11:33

Tgt Ion: 75 Resp: 41303

Ion Ratio Lower Upper

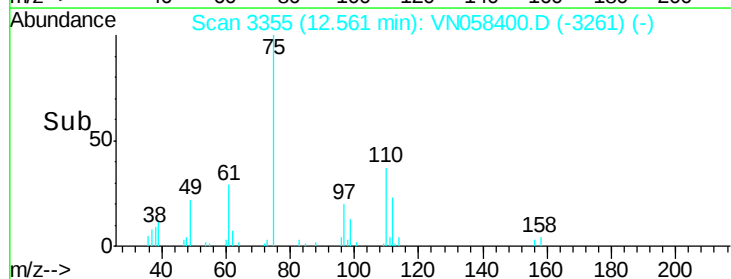
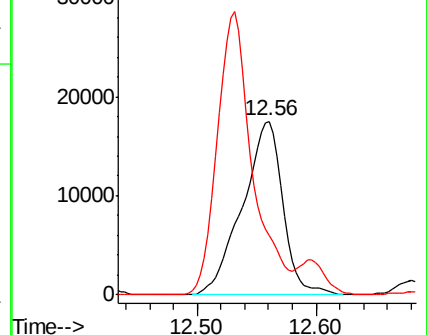
75 100

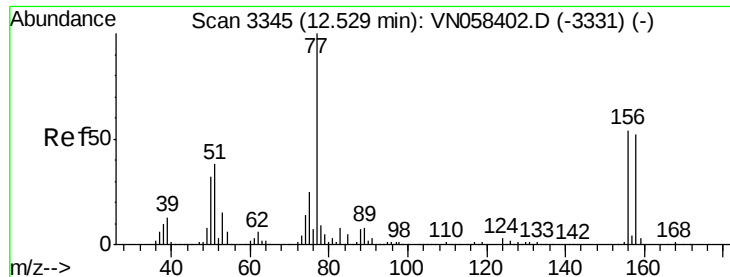
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.567 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

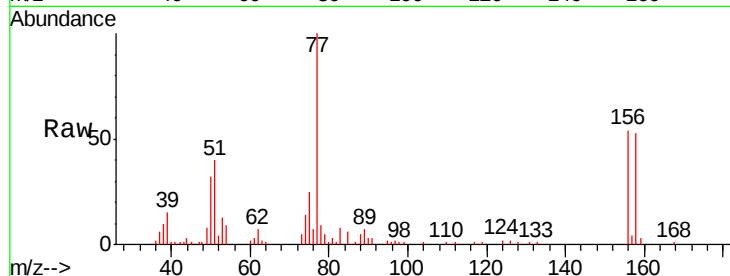
Tgt Ion:156 Resp: 25988

Ion Ratio Lower Upper

156 100

77 225.4 110.0 330.0

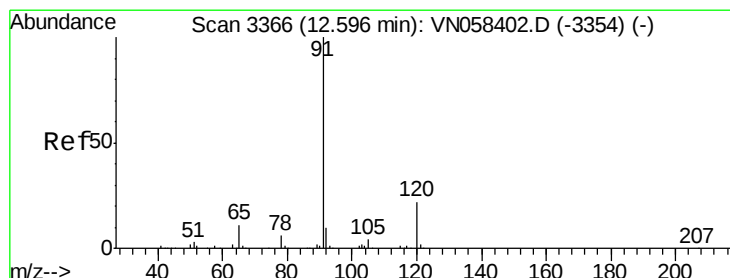
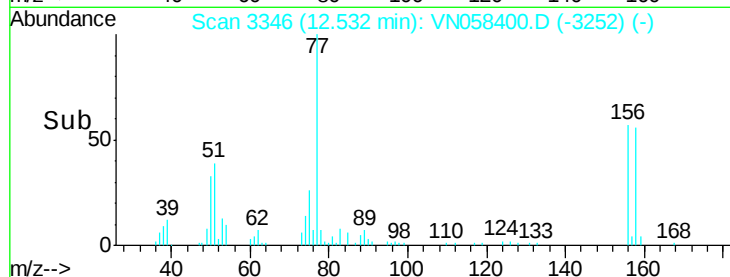
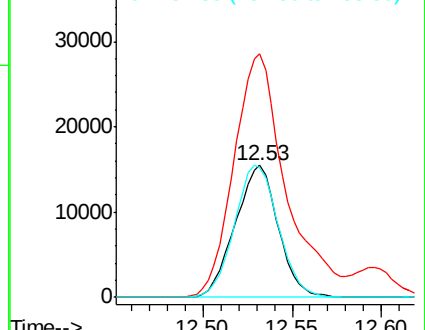
158 102.2 47.9 143.8



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: 6.038 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058400.D

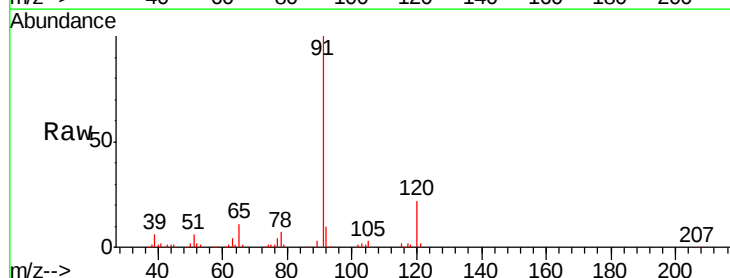
Acq: 27 Sep 2019 11:33

Tgt Ion: 91 Resp: 128548

Ion Ratio Lower Upper

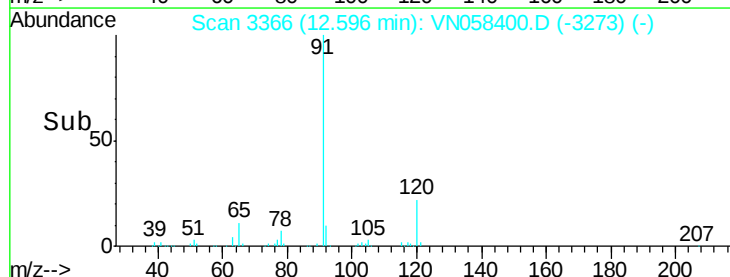
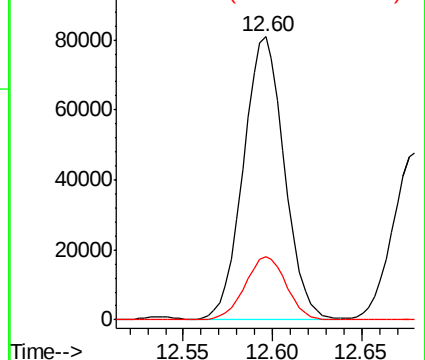
91 100

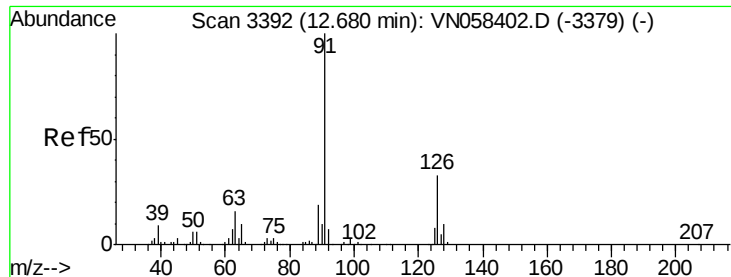
120 22.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.872 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

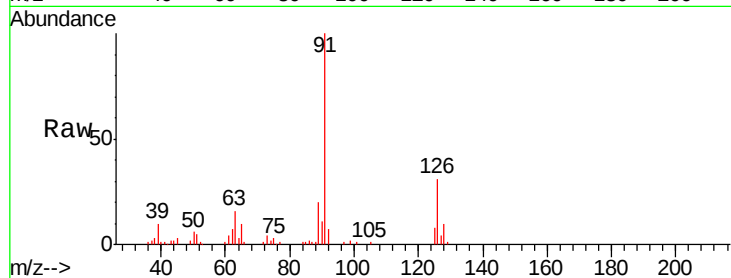
VSTDIC005

Tgt Ion: 91 Resp: 77695

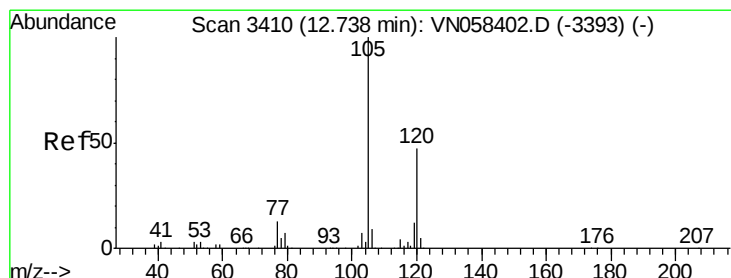
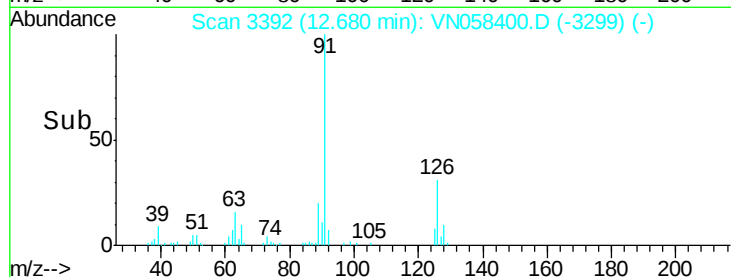
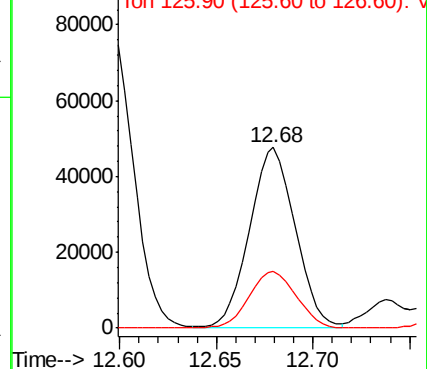
Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058400.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.970 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058400.D

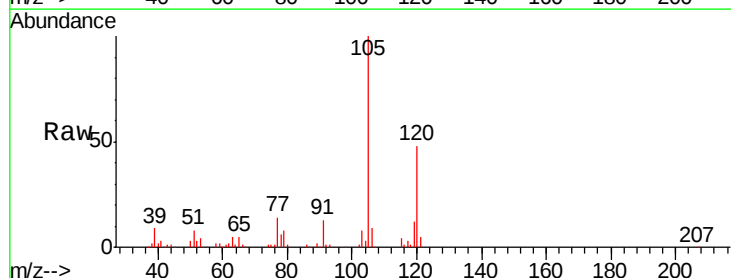
Acq: 27 Sep 2019 11:33

Tgt Ion: 105 Resp: 94201

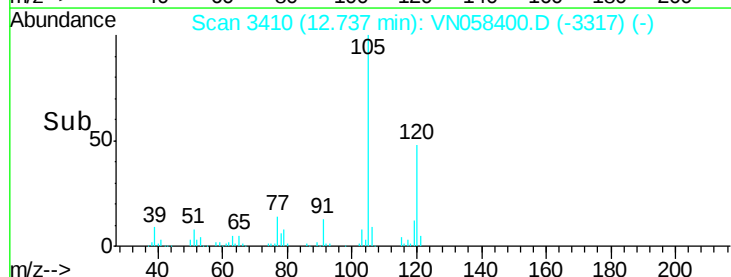
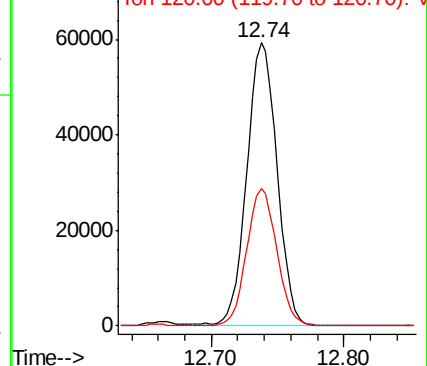
Ion Ratio Lower Upper

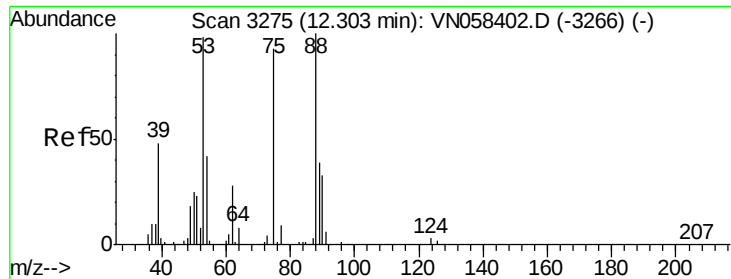
105 100

120 48.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058400.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.389 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

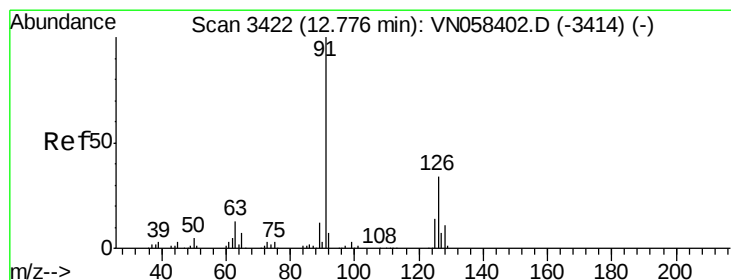
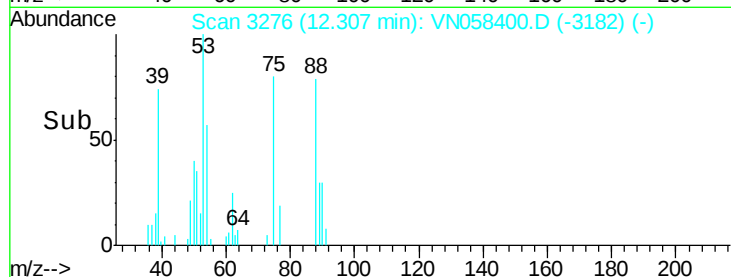
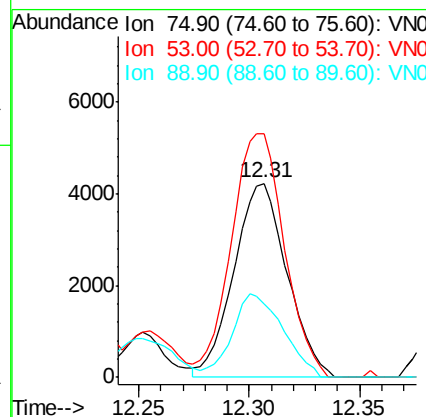
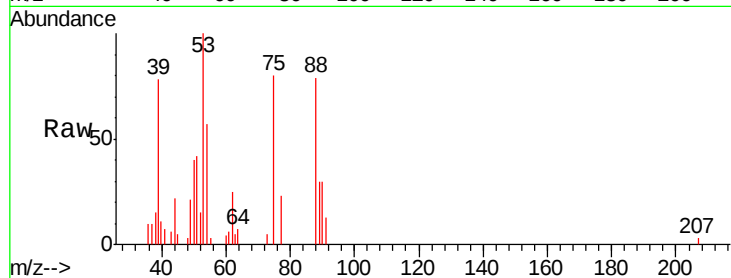
Tgt Ion: 75 Resp: 7089

Ion Ratio Lower Upper

75 100

53 125.5 85.4 128.0

89 41.0 35.0 52.4



#82

4-Chlorotoluene

Concen: 5.620 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058400.D

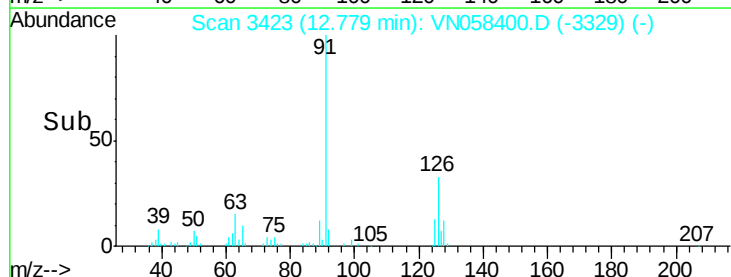
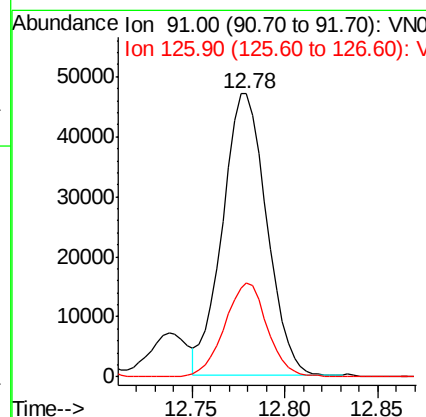
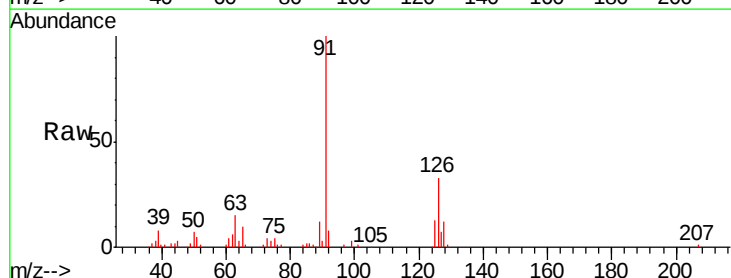
Acq: 27 Sep 2019 11:33

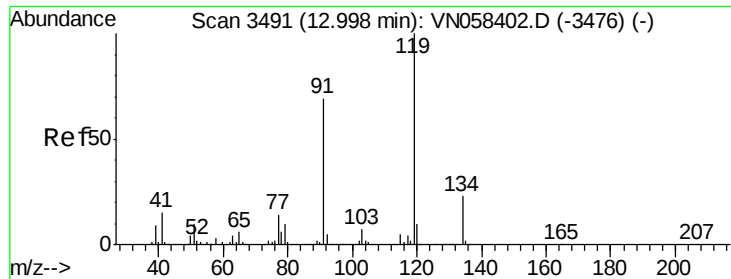
Tgt Ion: 91 Resp: 77761

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7

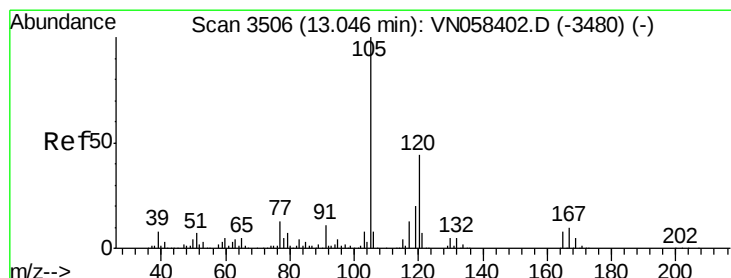
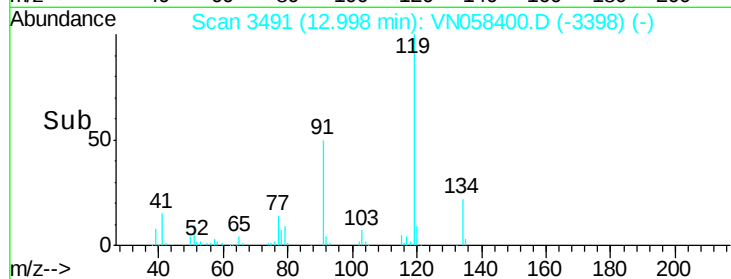
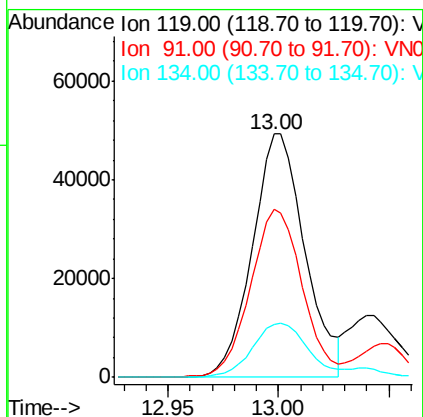
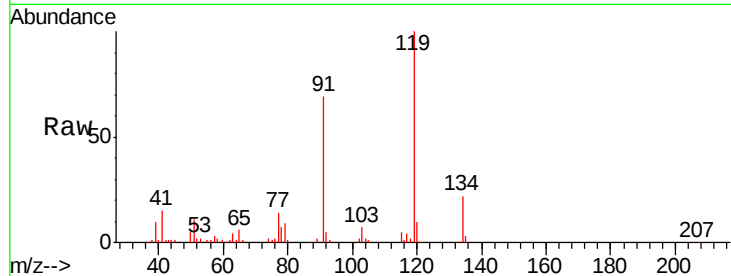




#83
 tert-Butylbenzene
 Concen: 5.834 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

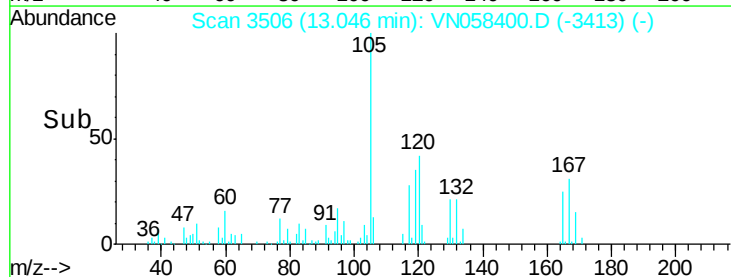
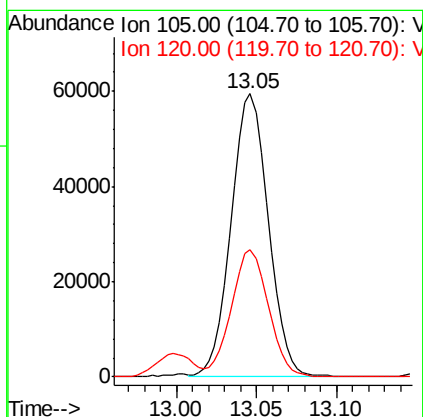
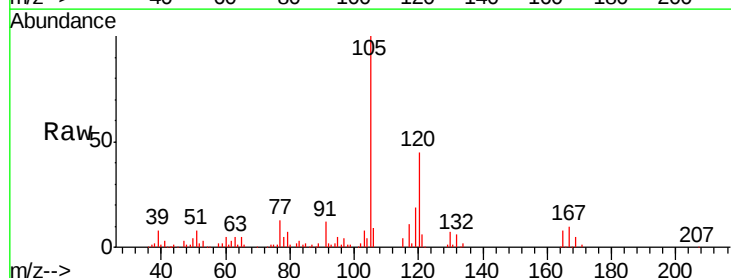
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

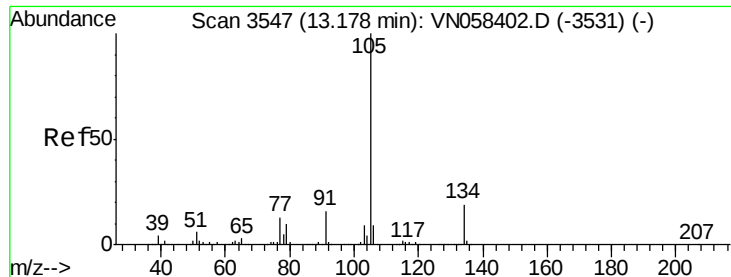
Tgt Ion:119 Resp: 81312
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.2 102.6
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.929 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion:105 Resp: 93157
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.7 65.1

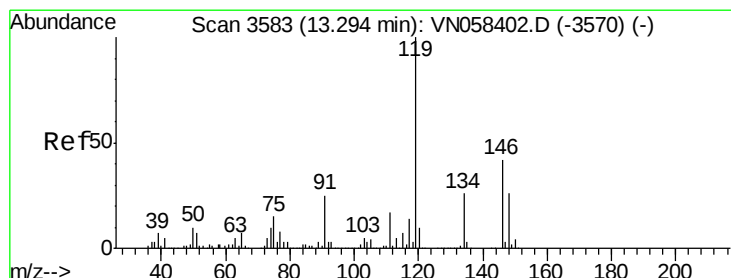
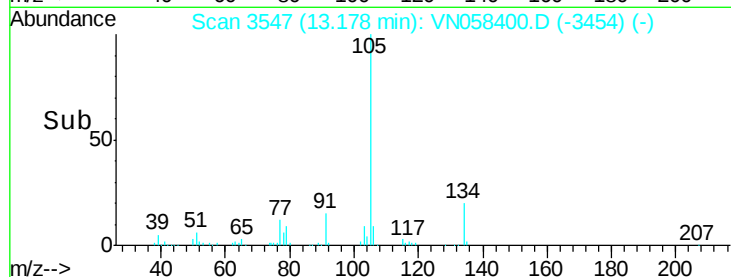
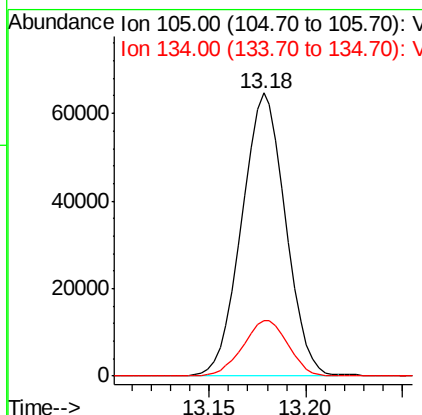
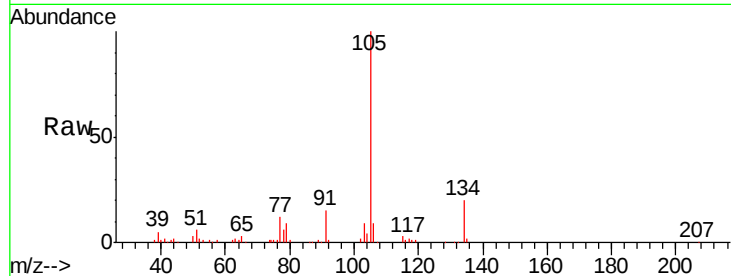




#85
 sec-Butylbenzene
 Concen: 5.593 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

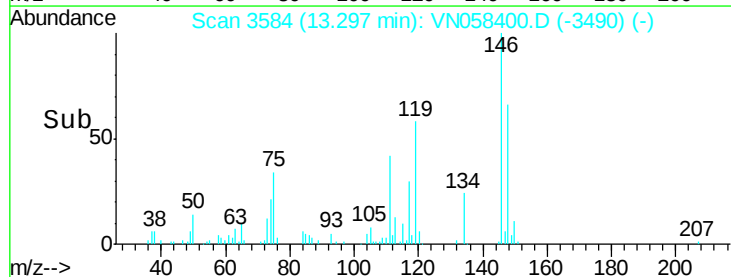
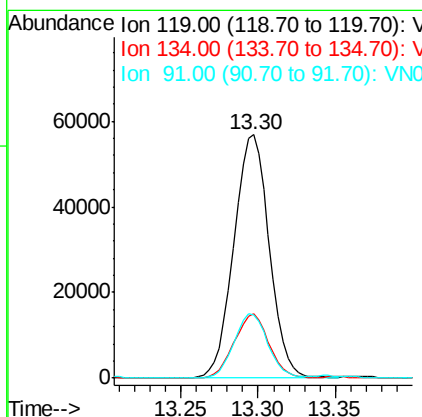
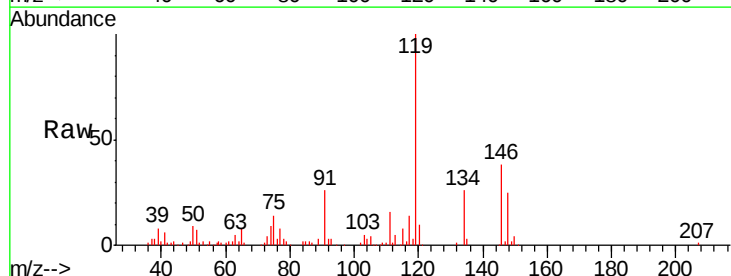
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

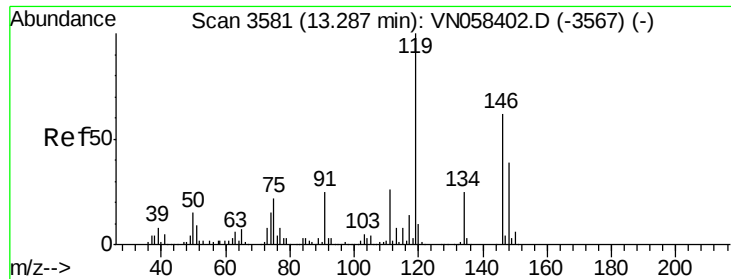
Tgt Ion:105 Resp: 101927
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 5.594 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion:119 Resp: 90437
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 25.5 12.4 37.0

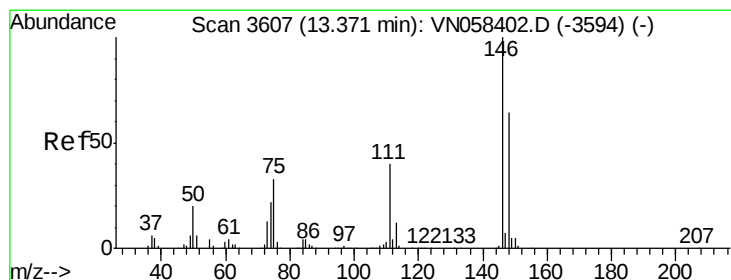
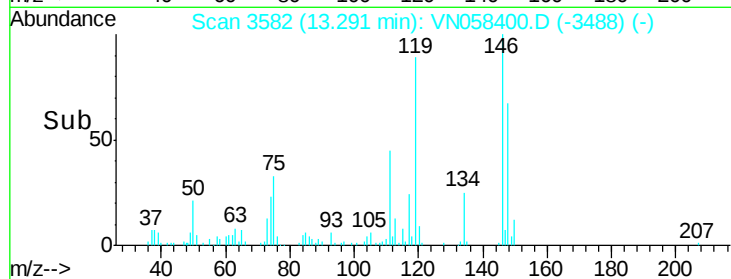
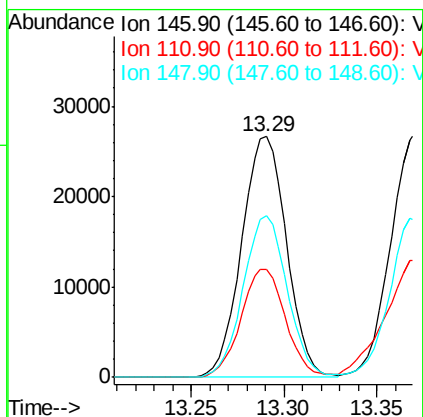
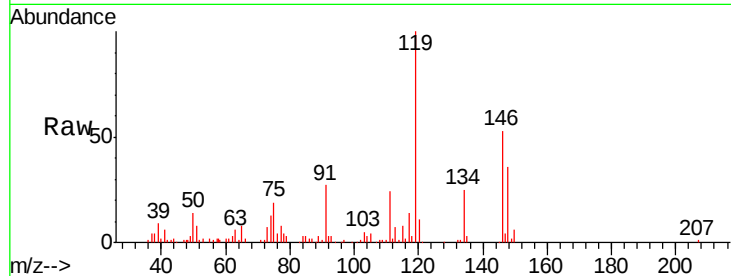




#87
 1,3-Dichlorobenzene
 Concen: 5.314 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

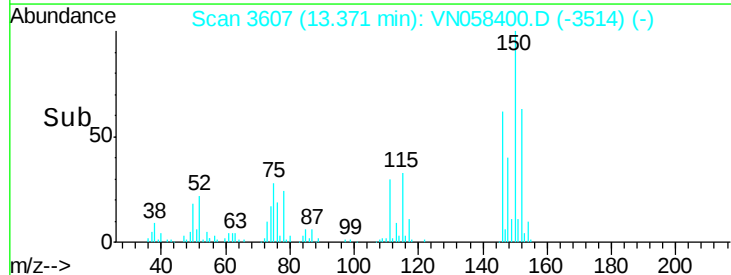
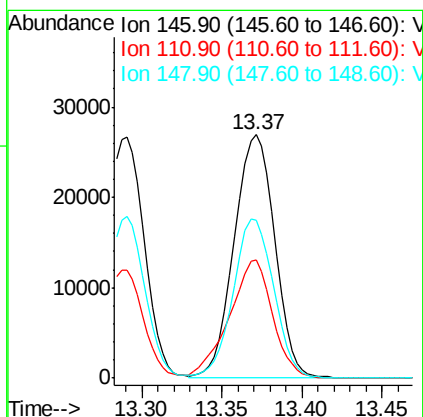
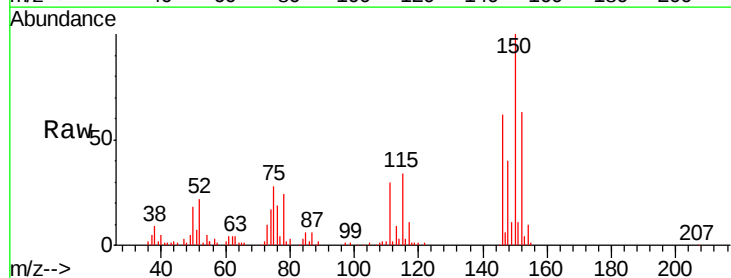
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

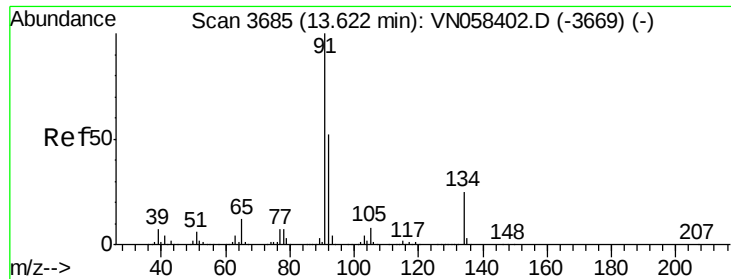
Tgt Ion:146 Resp: 44988
 Ion Ratio Lower Upper
 146 100
 111 44.7 20.8 62.4
 148 65.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 5.425 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion:146 Resp: 46752
 Ion Ratio Lower Upper
 146 100
 111 51.9 20.5 61.6
 148 65.2 31.5 94.5





#89

n-Butylbenzene

Concen: 5.288 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

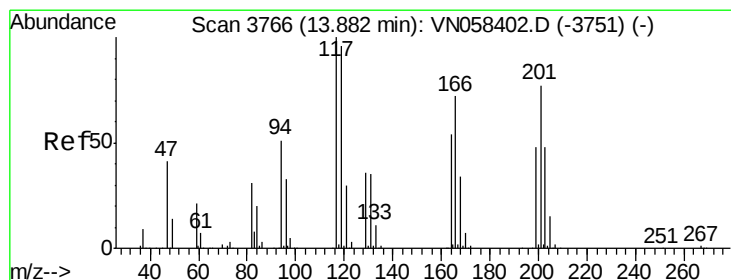
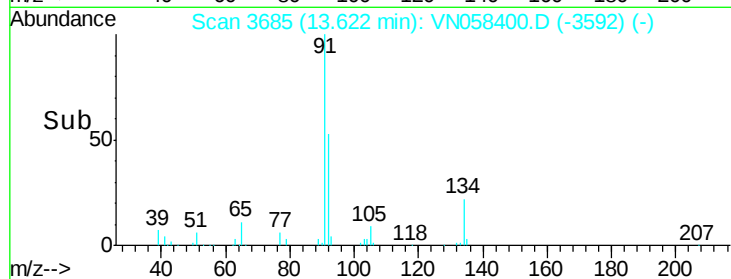
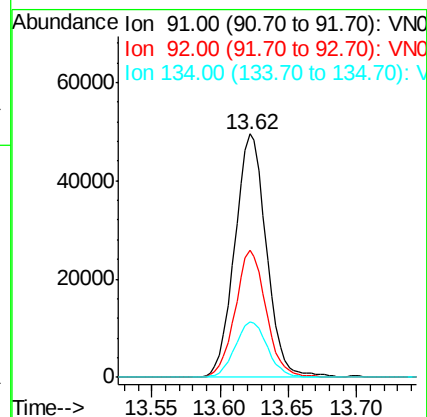
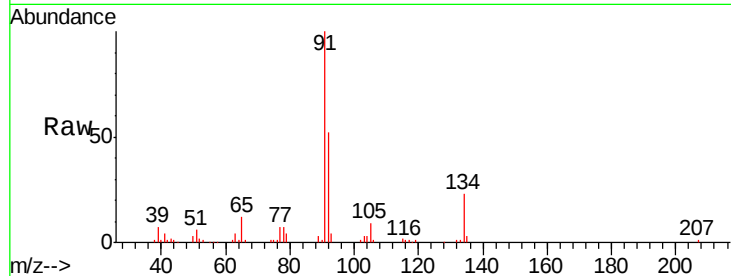
Tgt Ion: 91 Resp: 79933

Ion Ratio Lower Upper

91 100

92 50.9 25.7 77.1

134 23.2 12.2 36.6



#90

Hexachloroethane

Concen: 4.761 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058400.D

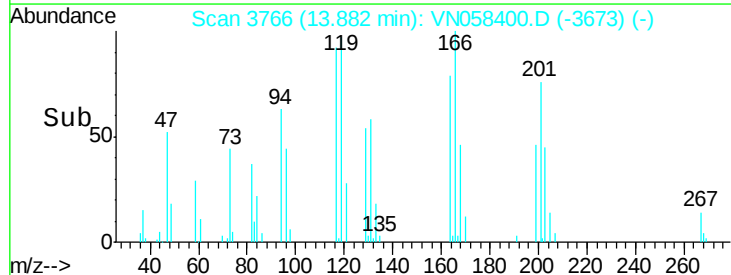
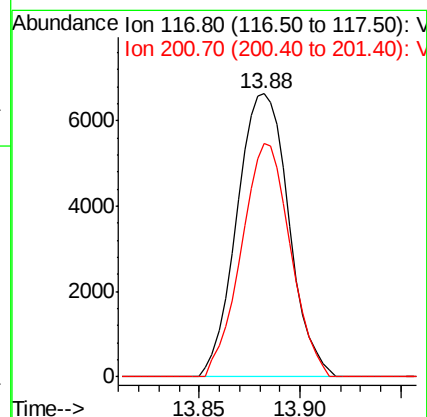
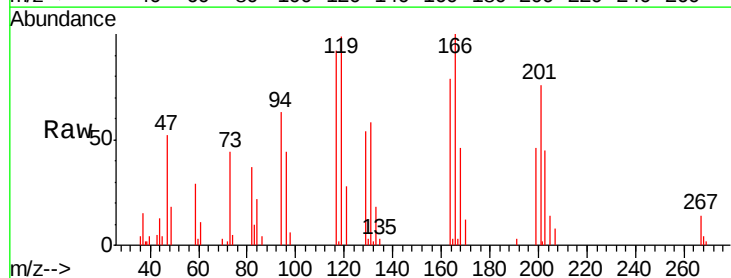
Acq: 27 Sep 2019 11:33

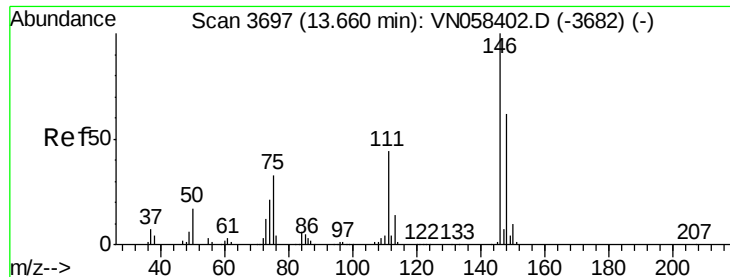
Tgt Ion: 117 Resp: 11916

Ion Ratio Lower Upper

117 100

201 78.1 38.6 116.0





#91

1,2-Dichlorobenzene

Concen: 5.413 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

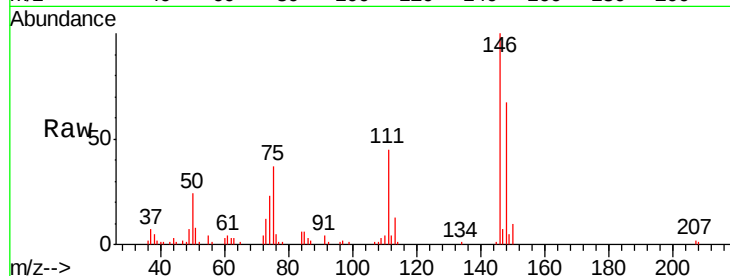
Tgt Ion: 146 Resp: 45573

Ion Ratio Lower Upper

146 100

111 44.0 21.8 65.3

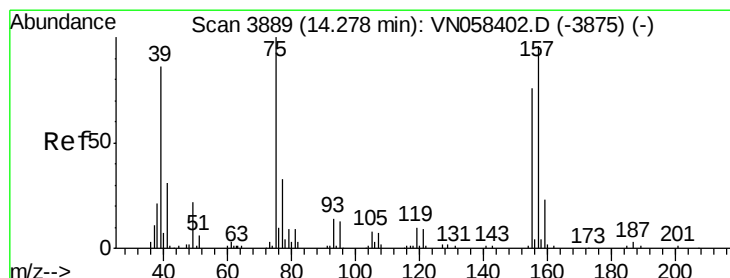
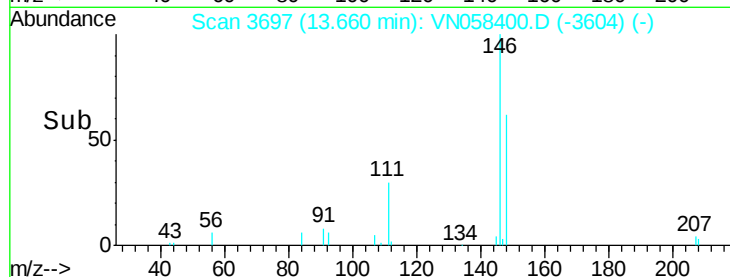
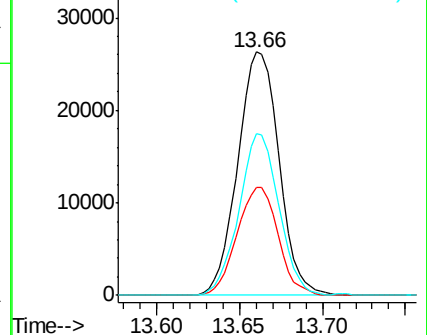
148 64.1 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.834 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058400.D

Acq: 27 Sep 2019 11:33

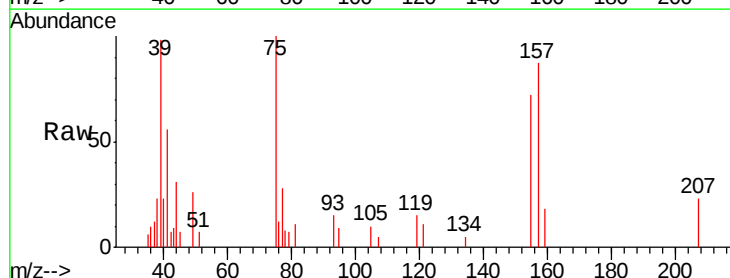
Tgt Ion: 75 Resp: 5306

Ion Ratio Lower Upper

75 100

155 69.7 39.2 117.6

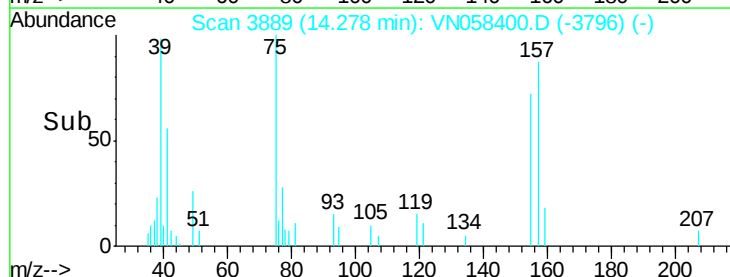
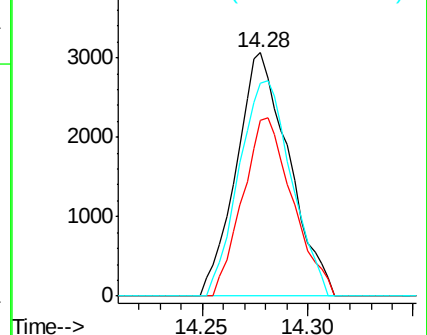
157 88.1 48.7 146.1

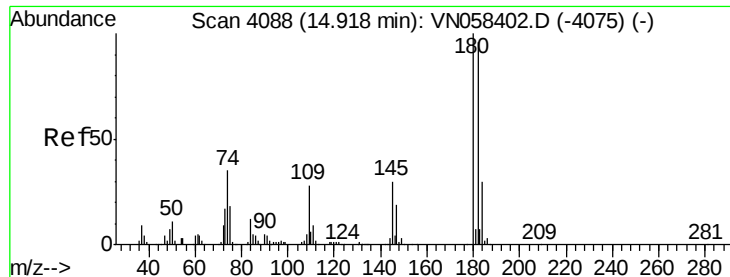


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

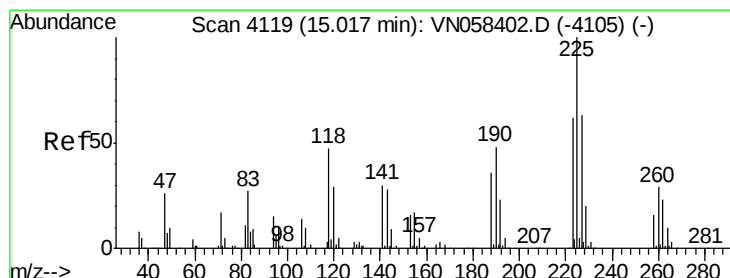
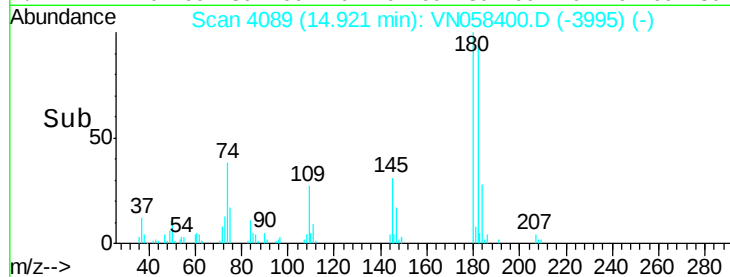
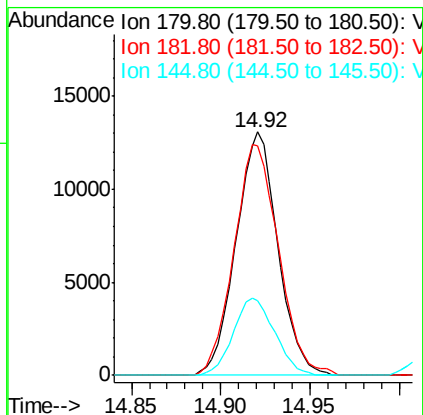
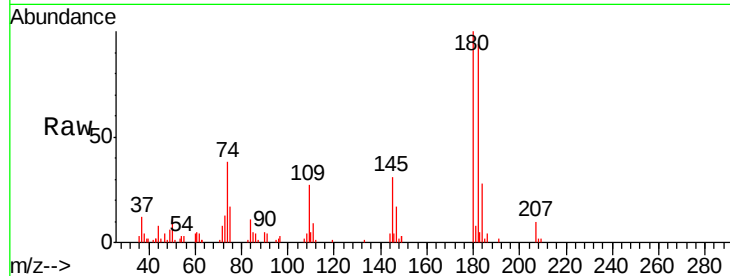




#93
 1,2,4-Trichlorobenzene
 Concen: 4.021 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

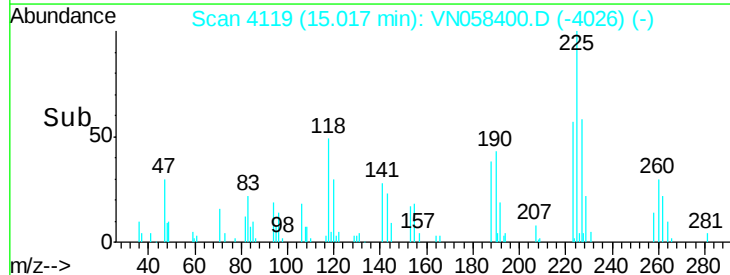
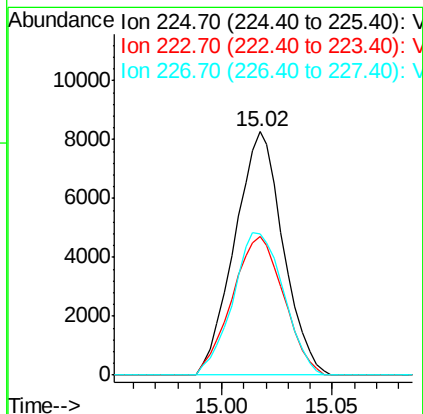
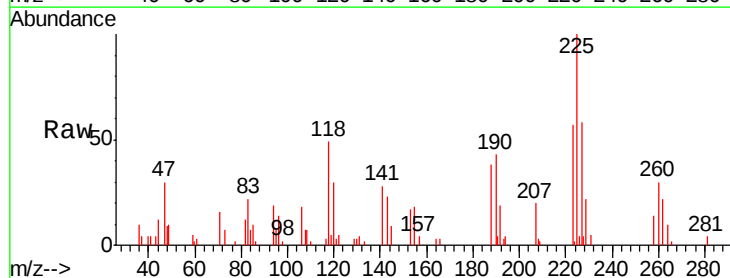
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

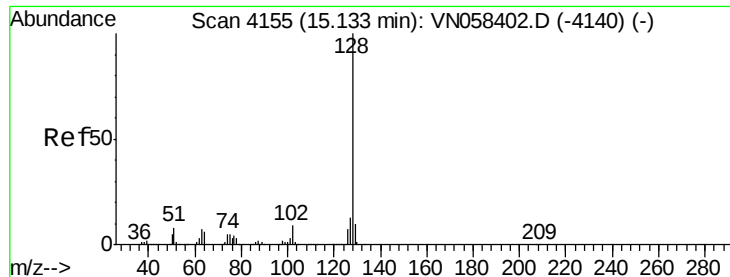
Tgt Ion:180 Resp: 21298
 Ion Ratio Lower Upper
 180 100
 182 101.0 47.4 142.3
 145 31.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 4.917 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058400.D
 Acq: 27 Sep 2019 11:33

Tgt Ion:225 Resp: 12610
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.1 93.5
 227 61.4 31.4 94.2

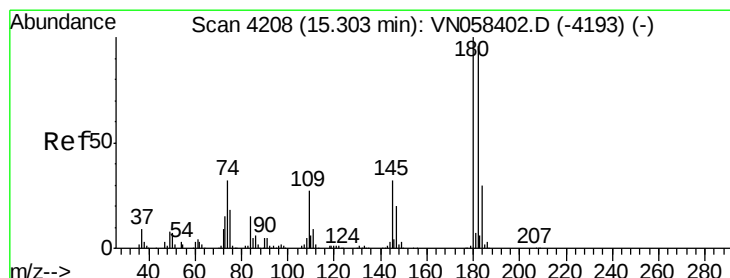
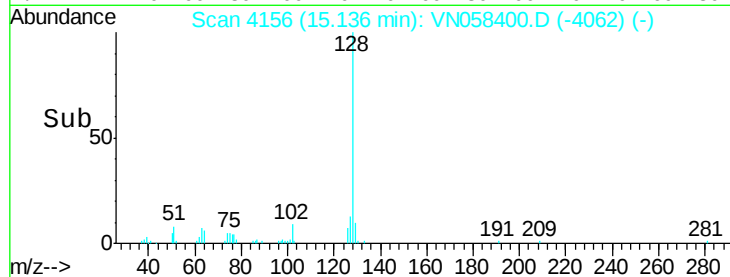
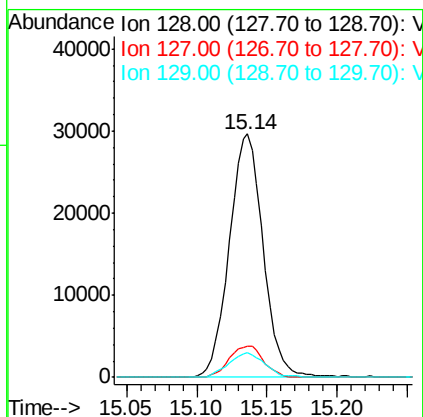
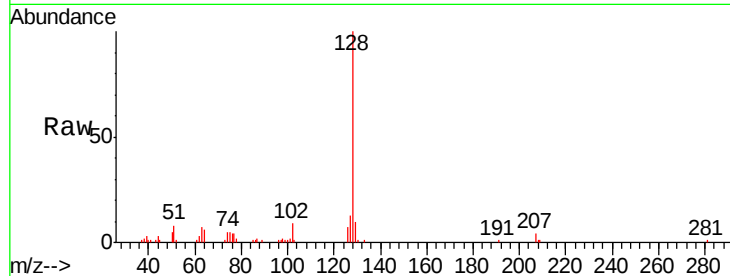




#95
Naphthalene
Concen: 3.627 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 49678
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 3.741 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058400.D
Acq: 27 Sep 2019 11:33

Tgt Ion:180 Resp: 18613
Ion Ratio Lower Upper
180 100
182 100.5 48.3 144.9
145 31.0 16.1 48.3

