

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121218\
 Data File : VN052825.D
 Acq On : 12 Dec 2018 14:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 13 00:32:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1008657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1570352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1367573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	601216	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	56084	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
35) Dibromofluoromethane	7.59	113	45435	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.09	98	190547	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.40	95	61454	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	56616	5.453 ug/l	97
3) Chloromethane	2.06	50	68305	5.481 ug/l	97
4) Vinyl Chloride	2.19	62	68860	5.523 ug/l	99
5) Bromomethane	2.57	94	42189	5.486 ug/l	99
6) Chloroethane	2.71	64	41212	5.592 ug/l	98
7) Trichlorofluoromethane	3.02	101	84942	5.495 ug/l	98
8) Diethyl Ether	3.42	74	31360	5.562 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53425	5.577 ug/l	98
10) Methyl Iodide	3.95	142	57888	4.315 ug/l	99
11) Tert butyl alcohol	4.78	59	15484	25.839 ug/l	# 89
12) 1,1-Dichloroethene	3.74	96	51052	5.505 ug/l	97
13) Acrolein	3.61	56	16974	30.085 ug/l	98
14) Allyl chloride	4.33	41	83455	5.510 ug/l	95
15) Acrylonitrile	4.99	53	89056	26.490 ug/l	97
16) Acetone	3.82	43	70320	29.194 ug/l	96
17) Carbon Disulfide	4.06	76	147758	5.187 ug/l	97
18) Methyl Acetate	4.33	43	46026	5.207 ug/l	98
19) Methyl tert-butyl Ether	5.04	73	134882	5.358 ug/l	100
20) Methylene Chloride	4.55	84	59698	5.507 ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	54343	5.409 ug/l	100
22) Diisopropyl ether	5.95	45	177110	5.481 ug/l	98
23) Vinyl Acetate	5.90	43	521949	27.145 ug/l	99
24) 1,1-Dichloroethane	5.85	63	102609	5.506 ug/l	99
25) 2-Butanone	6.84	43	103796	27.771 ug/l	97
26) 2,2-Dichloropropane	6.83	77	72972	5.318 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	62812	5.508 ug/l	99
28) Bromochloromethane	7.19	49	44829	5.357 ug/l	100
29) Tetrahydrofuran	7.21	42	71857	28.162 ug/l	98
30) Chloroform	7.37	83	100716	5.542 ug/l	98
31) Cyclohexane	7.66	56	108533	5.224 ug/l	# 77
32) 1,1,1-Trichloroethane	7.57	97	82899	5.453 ug/l	100
36) 1,1-Dichloropropene	7.80	75	76159	5.267 ug/l	99
37) Ethyl Acetate	6.93	43	47837	5.507 ug/l	99
38) Carbon Tetrachloride	7.78	117	69667	5.234 ug/l	93

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 Data File : VN052825.D
 Acq On : 12 Dec 2018 14:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 13 00:32:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	95289	5.370	ug/l	98
40) Benzene	8.04	78	233604	5.382	ug/l	98
41) Methacrylonitrile	7.17	41	25569	5.312	ug/l	96
42) 1,2-Dichloroethane	8.13	62	71680	5.486	ug/l	99
43) Isopropyl Acetate	8.16	43	98743	5.544	ug/l #	83
44) Trichloroethene	8.84	130	64992	5.544	ug/l	95
45) 1,2-Dichloropropane	9.12	63	61745	5.431	ug/l	100
46) Dibromomethane	9.21	93	36598	5.551	ug/l	99
47) Bromodichloromethane	9.40	83	72800	5.325	ug/l	99
48) Methyl methacrylate	9.20	41	40794	5.223	ug/l	99
49) 1,4-Dioxane	9.20	88	9890	111.549	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	217817	26.670	ug/l	99
52) Toluene	10.16	92	142565	5.423	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	68934	5.011	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	84741	5.169	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	51345	5.472	ug/l	97
56) Ethyl methacrylate	10.43	69	60709	5.041	ug/l	100
57) 1,3-Dichloropropane	10.71	76	88001	5.469	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	168651	25.099	ug/l	99
59) 2-Hexanone	10.75	43	150550	26.898	ug/l	98
60) Dibromochloromethane	10.90	129	51788	5.107	ug/l	99
61) 1,2-Dibromoethane	11.01	107	50357	5.429	ug/l	96
64) Tetrachloroethene	10.63	164	64519	5.489	ug/l	98
65) Chlorobenzene	11.43	112	156599	5.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	52252	5.295	ug/l	98
67) Ethyl Benzene	11.51	91	265579	5.451	ug/l	99
68) m/p-Xylenes	11.62	106	197409	10.790	ug/l	99
69) o-Xylene	11.95	106	96223	5.386	ug/l	99
70) Styrene	11.96	104	150578	5.243	ug/l	99
71) Bromoform	12.13	173	34613	5.163	ug/l #	99
73) Isopropylbenzene	12.25	105	250907	5.590	ug/l	100
74) N-amyl acetate	12.07	43	63603	5.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	57179	5.684	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	73027	7.283	ug/l #	100
77) Bromobenzene	12.53	156	62942	5.513	ug/l	99
78) n-propylbenzene	12.59	91	279533	5.460	ug/l	100
79) 2-Chlorotoluene	12.68	91	170906	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	203609	5.619	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	13414	4.858	ug/l	91
82) 4-Chlorotoluene	12.77	91	172349	5.570	ug/l	99
83) tert-Butylbenzene	12.99	119	180207	5.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	204555	5.576	ug/l	99
85) sec-Butylbenzene	13.17	105	238723	5.515	ug/l	100
86) p-Isopropyltoluene	13.29	119	207954	5.545	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	109614	5.403	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	110396	5.494	ug/l	95
89) n-Butylbenzene	13.62	91	162157	5.136	ug/l	99
90) Hexachloroethane	13.88	117	33129	5.275	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109585	5.615	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8197	5.405	ug/l	97

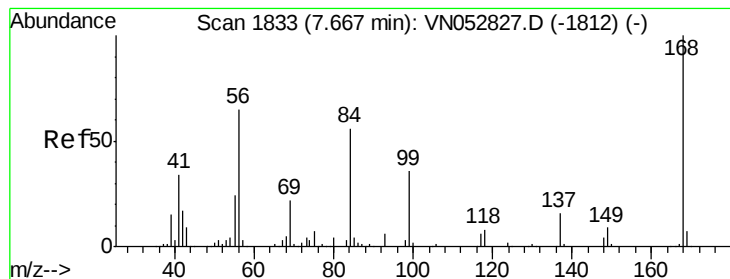
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121218\
Data File : VN052825.D
Acq On : 12 Dec 2018 14:19
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 13 00:32:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 00:28:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50180	4.730	ug/l	98
94) Hexachlorobutadiene	15.01	225	35049	5.708	ug/l	99
95) Naphthalene	15.13	128	101054	4.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	45326	4.656	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

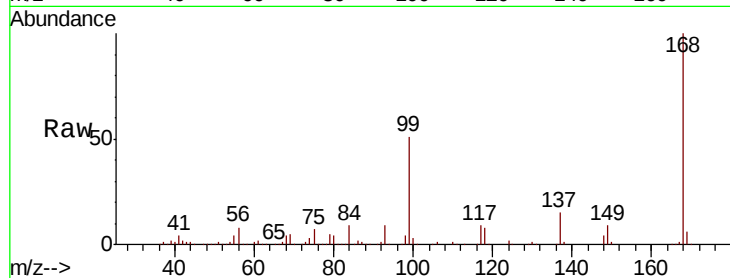
VSTDIC005

Tgt Ion:168 Resp: 1008657

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

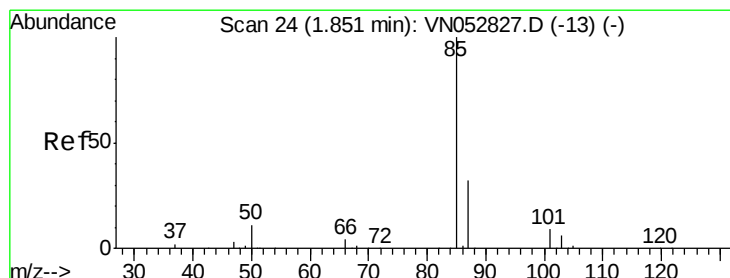
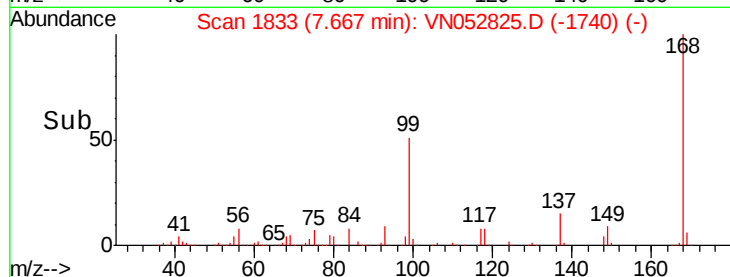
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052825.D

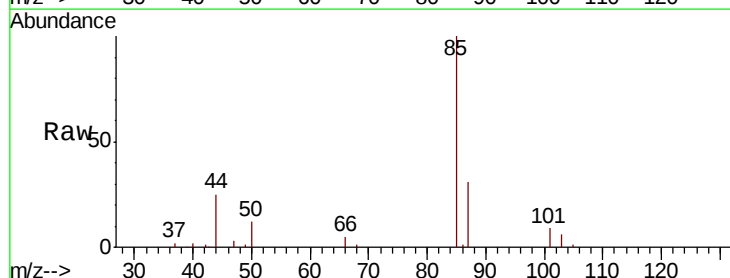
Acq: 12 Dec 2018 14:19

Tgt Ion: 85 Resp: 56616

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

30000

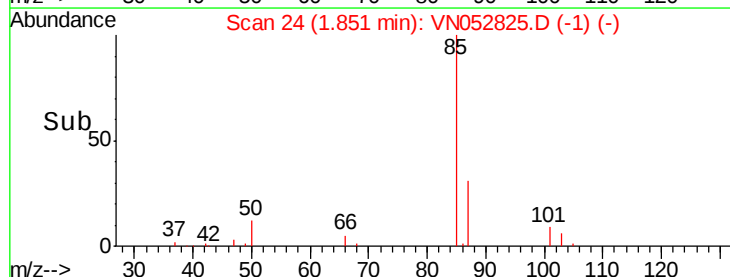
20000

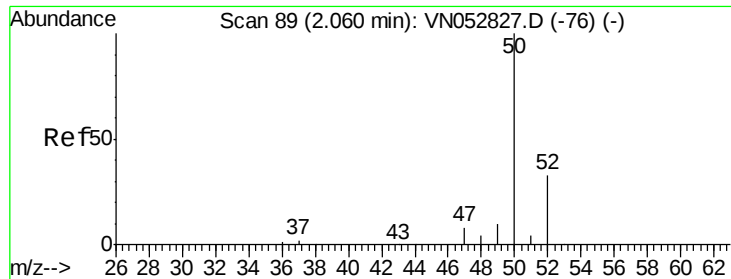
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.481 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

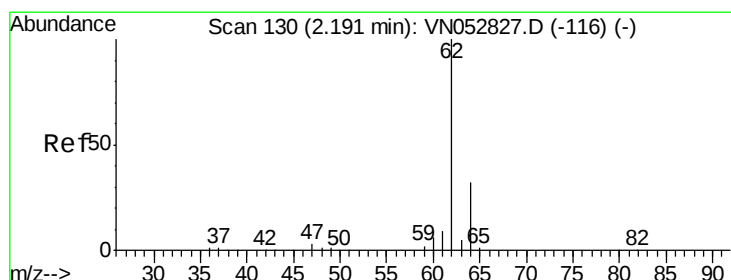
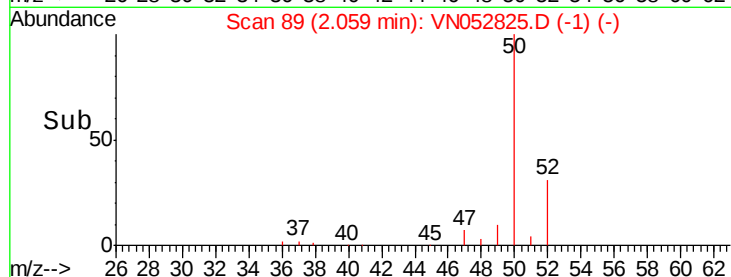
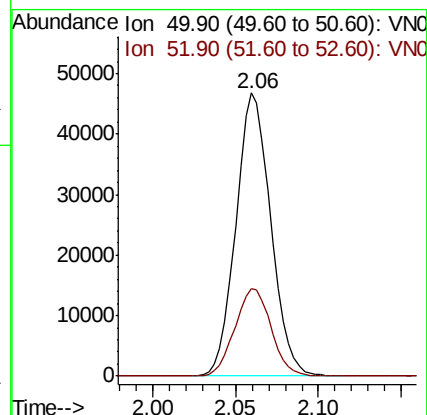
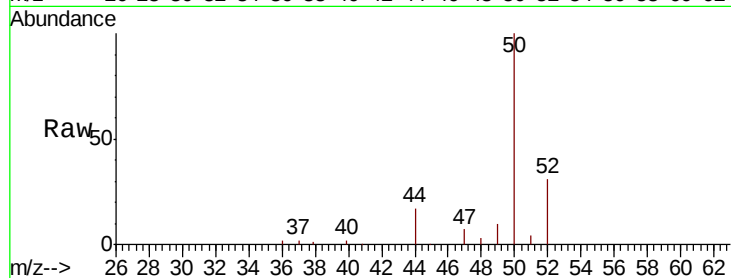
VSTDIC005

Tgt Ion: 50 Resp: 68305

Ion Ratio Lower Upper

50 100

52 31.0 26.2 39.4



#4

Vinyl Chloride

Concen: 5.523 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052825.D

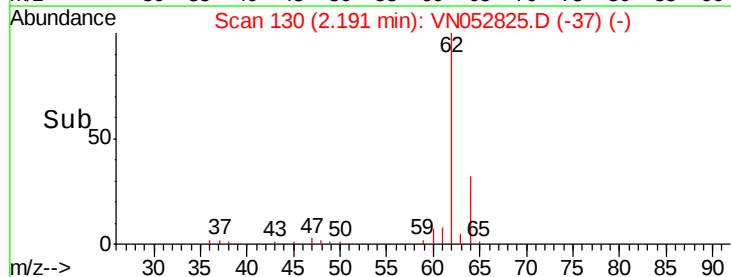
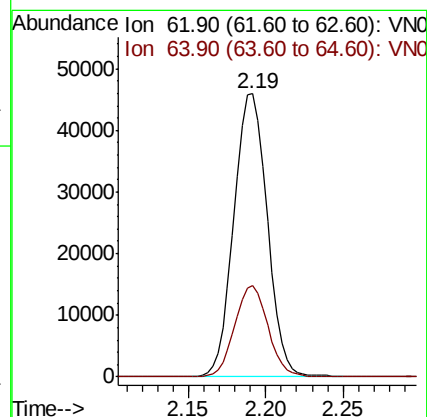
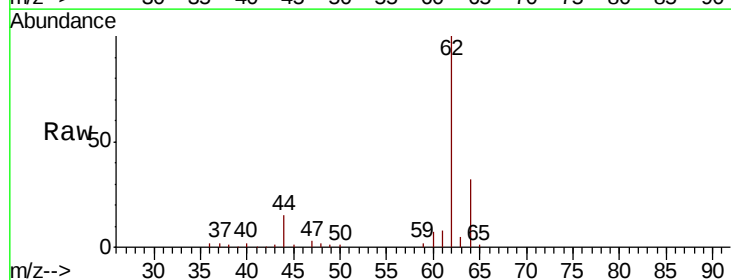
Acq: 12 Dec 2018 14:19

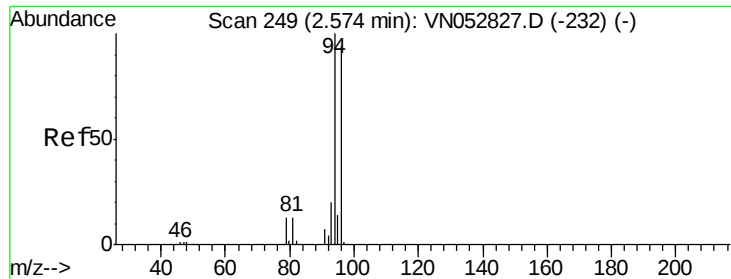
Tgt Ion: 62 Resp: 68860

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 5.486 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

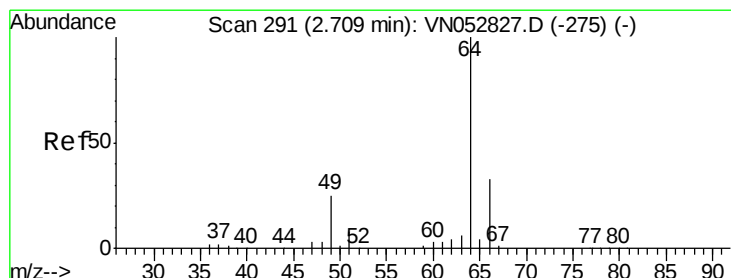
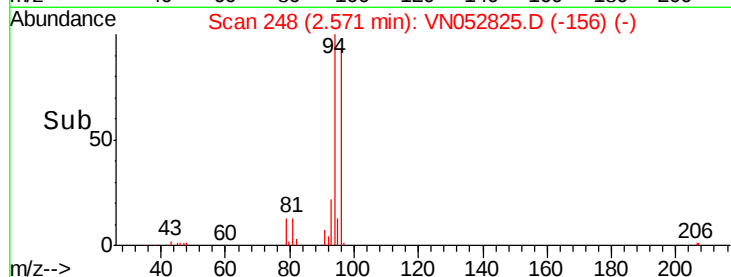
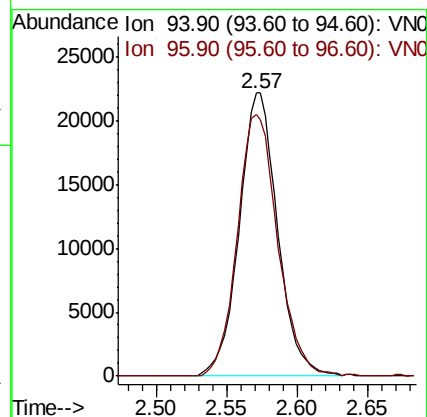
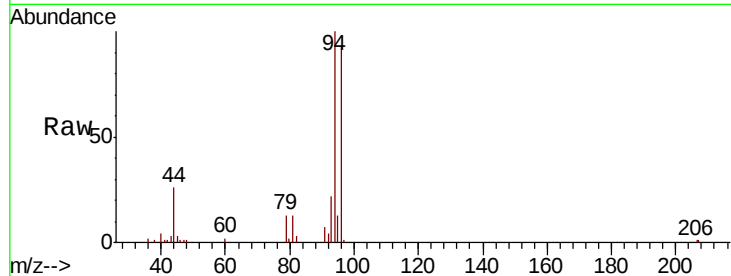
VSTDIC005

Tgt Ion: 94 Resp: 42189

Ion Ratio Lower Upper

94 100

96 92.5 75.0 112.4



#6

Chloroethane

Concen: 5.592 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052825.D

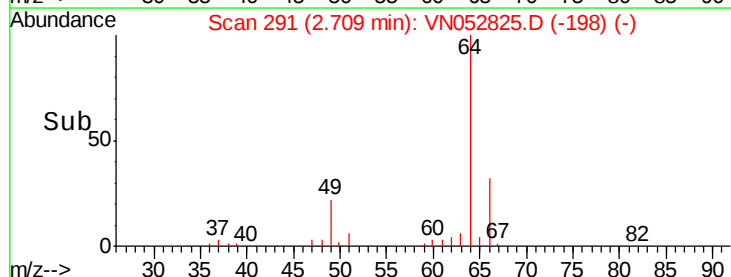
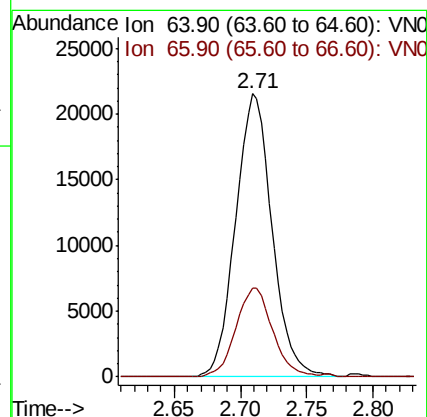
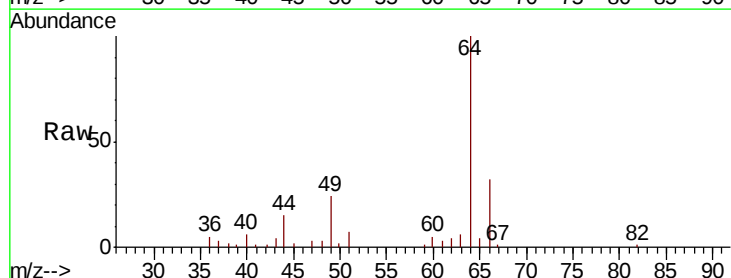
Acq: 12 Dec 2018 14:19

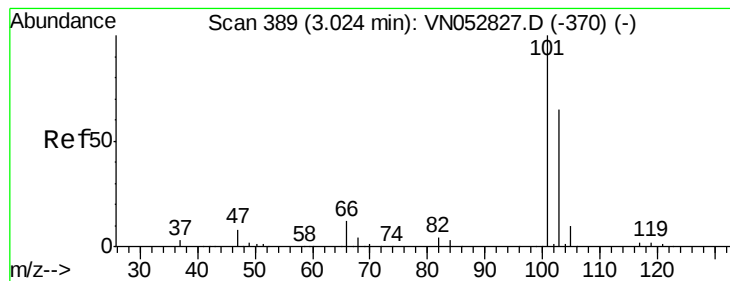
Tgt Ion: 64 Resp: 41212

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2





#7

Trichlorofluoromethane

Concen: 5.495 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

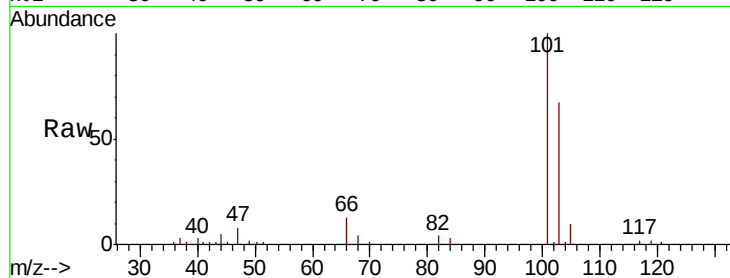
VSTDIC005

Tgt Ion:101 Resp: 84942

Ion Ratio Lower Upper

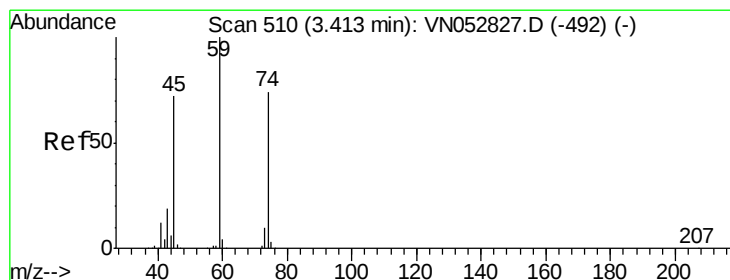
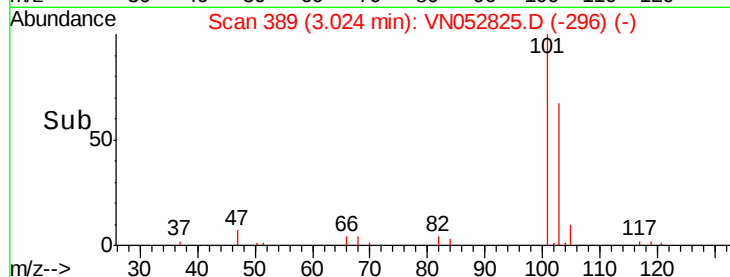
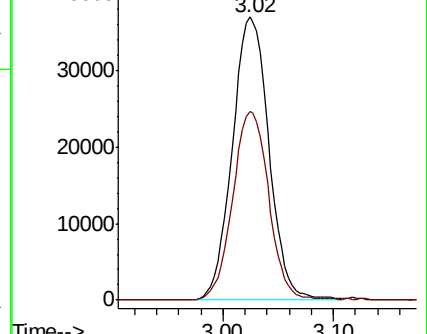
101 100

103 66.6 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.562 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052825.D

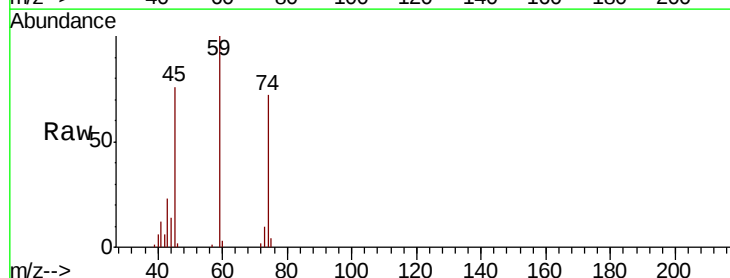
Acq: 12 Dec 2018 14:19

Tgt Ion: 74 Resp: 31360

Ion Ratio Lower Upper

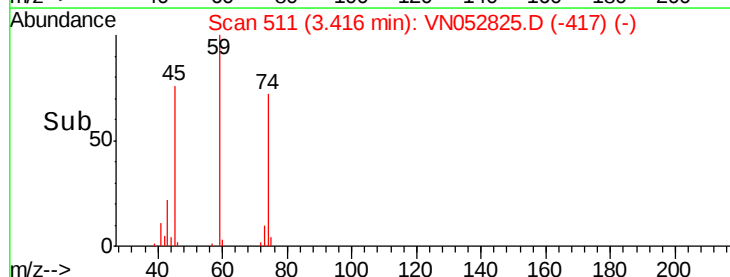
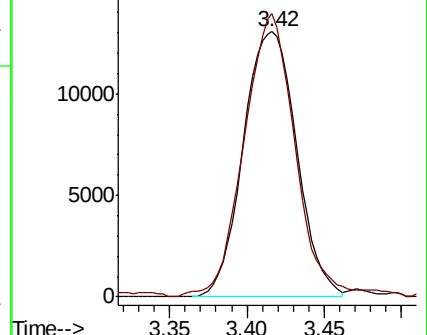
74 100

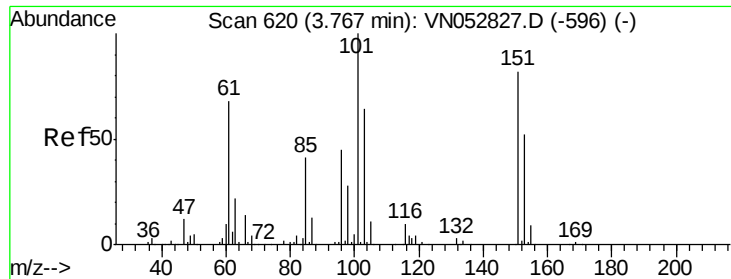
45 103.1 49.4 148.0



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: 5.577 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

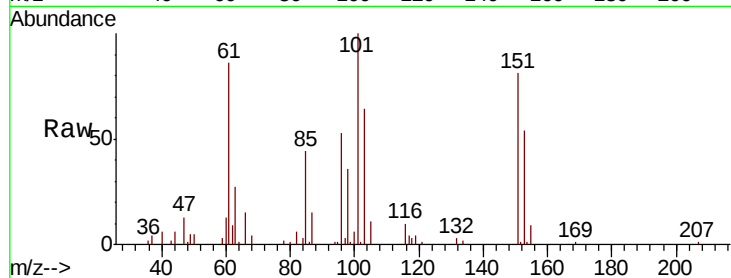
Tgt Ion:101 Resp: 53425

Ion Ratio Lower Upper

101 100

85 43.0 33.6 50.4

151 83.6 65.5 98.3

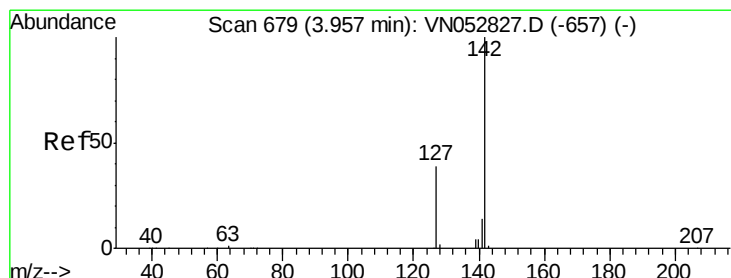
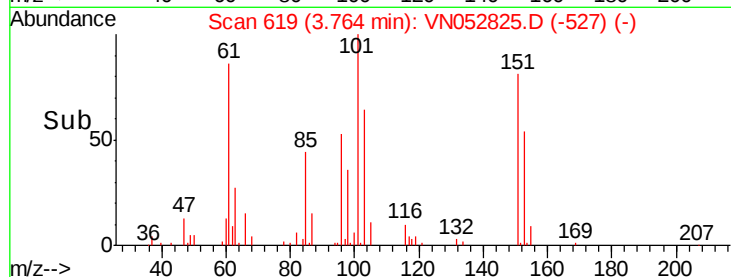
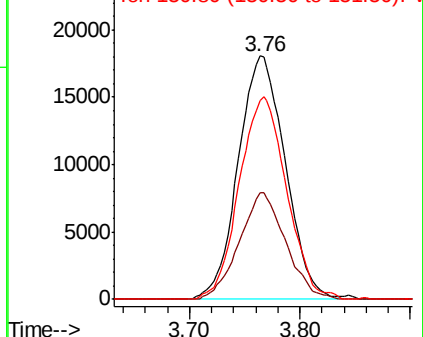


Abundance

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: 4.315 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

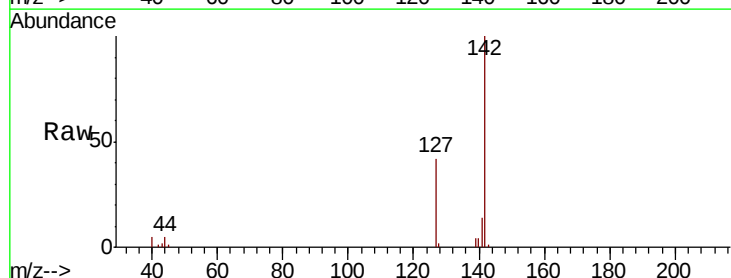
Tgt Ion:142 Resp: 57888

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.6

141 13.6 11.2 16.8

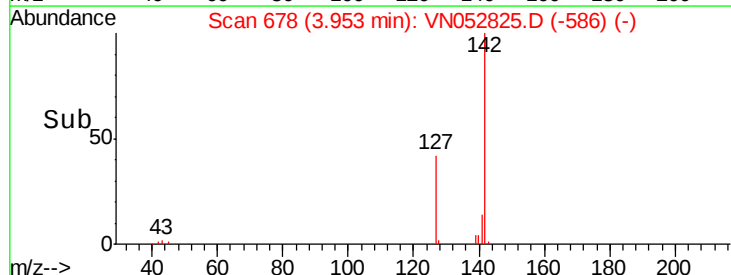
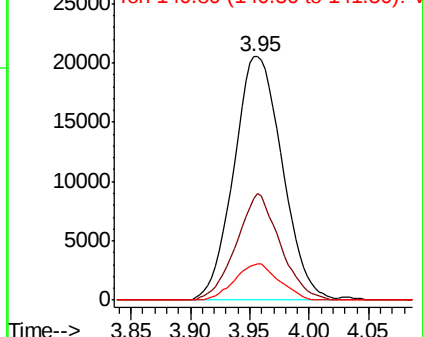


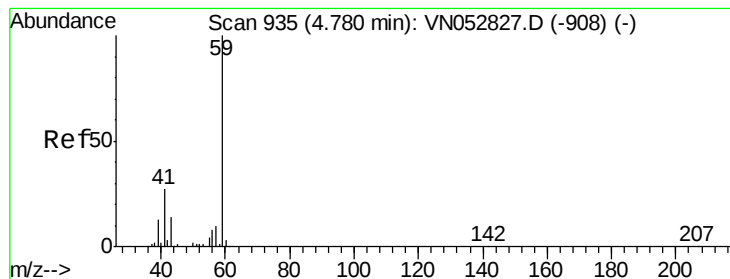
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.839 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

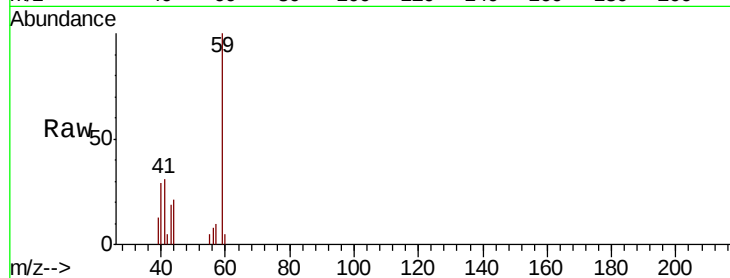
VSTDIC005

Tgt Ion: 59 Resp: 15484

Ion Ratio Lower Upper

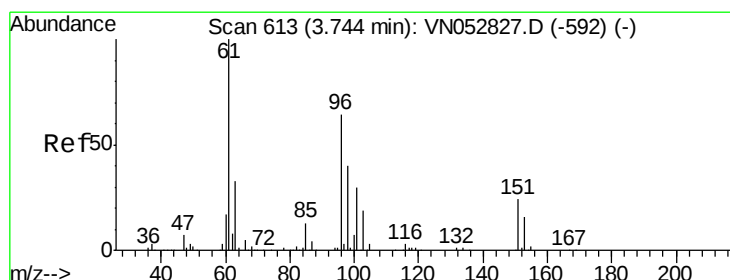
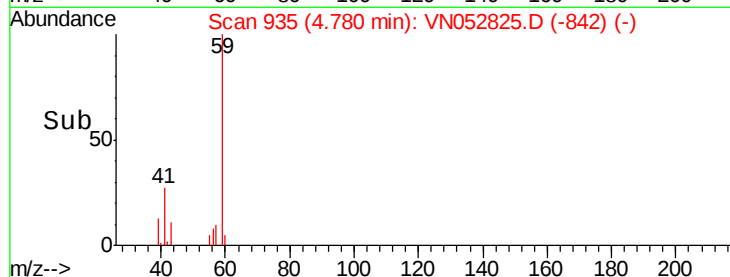
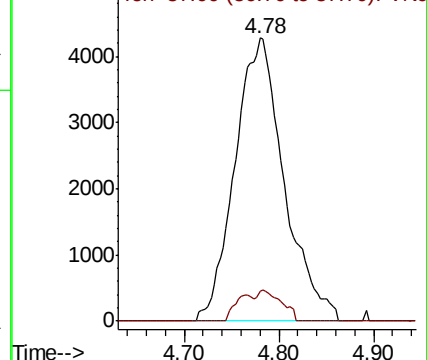
59 100

57 5.5 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)



#12

1,1-Dichloroethene

Concen: 5.505 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

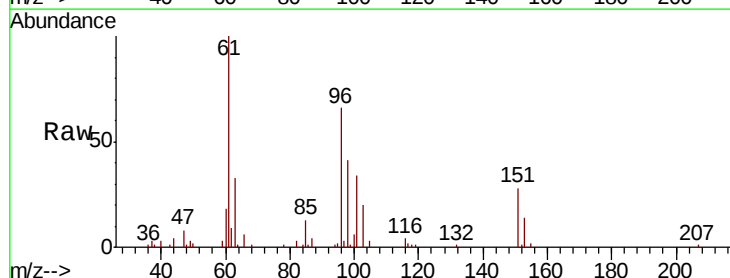
Tgt Ion: 96 Resp: 51052

Ion Ratio Lower Upper

96 100

61 152.3 125.6 188.4

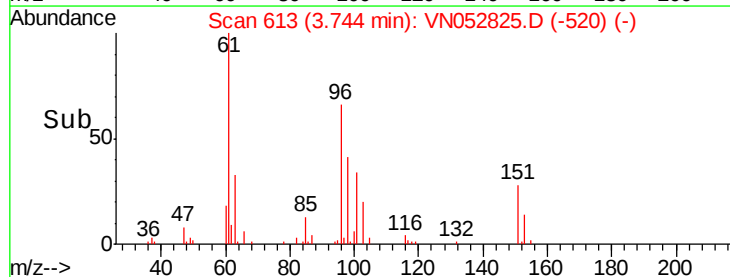
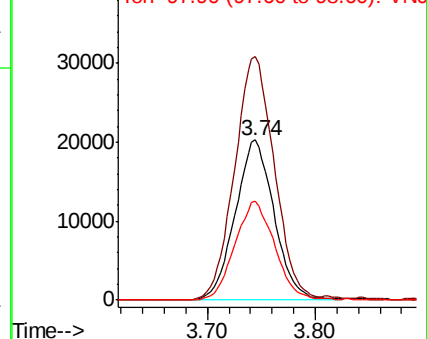
98 61.7 50.6 75.8

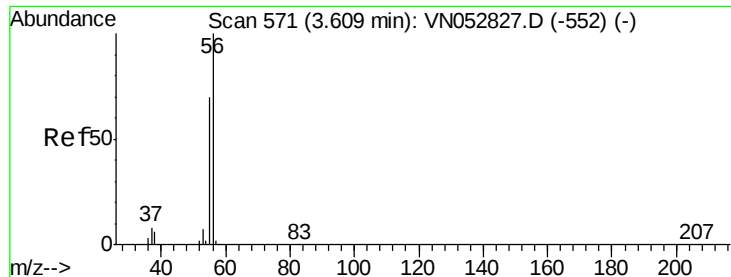


Abundance Ion 95.90 (95.60 to 96.60): VN052827.D (-592) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-592) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-592) (-)





#13

Acrolein

Concen: 30.085 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

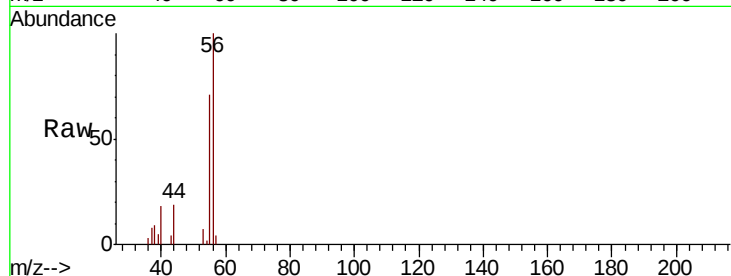
VSTDIC005

Tgt Ion: 56 Resp: 16974

Ion Ratio Lower Upper

56 100

55 69.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.61

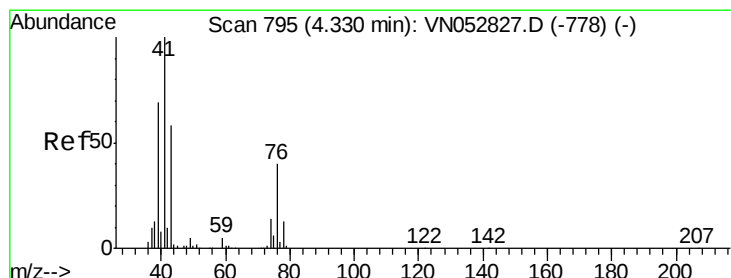
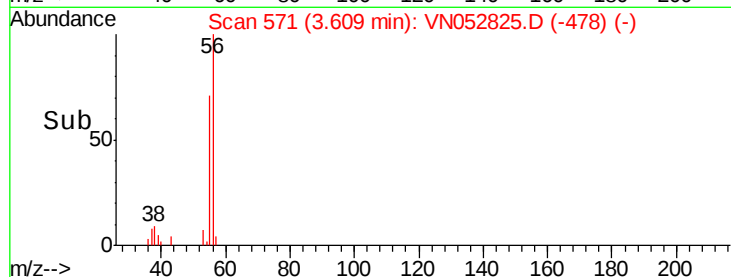
6000

4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 5.510 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

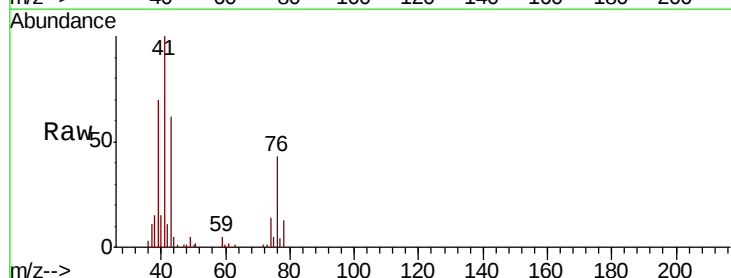
Tgt Ion: 41 Resp: 83455

Ion Ratio Lower Upper

41 100

39 62.0 54.1 81.1

76 36.8 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-778) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-778) (-)

Ion 75.90 (75.60 to 76.60): VN052827.D (-778) (-)

4.33

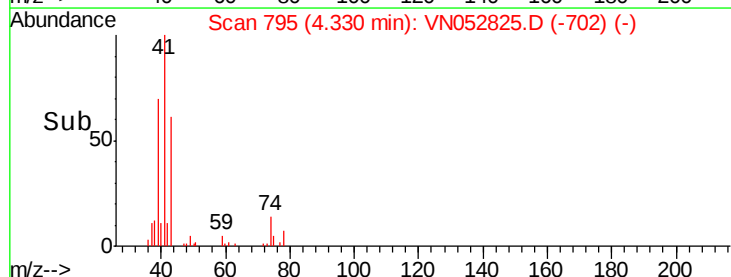
30000

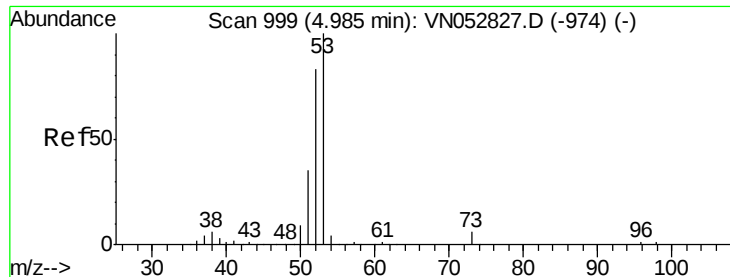
20000

10000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 26.490 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

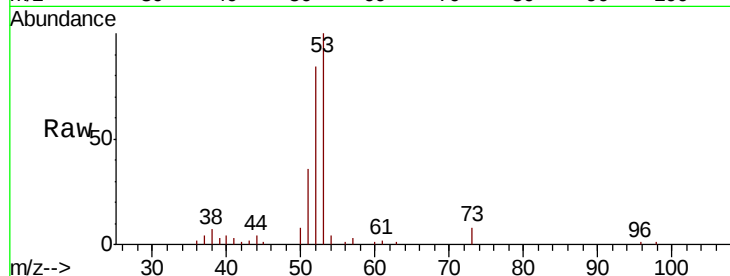
Tgt Ion: 53 Resp: 89056

Ion Ratio Lower Upper

53 100

52 83.7 65.1 97.7

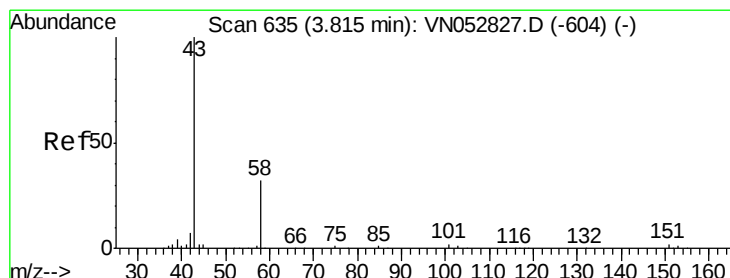
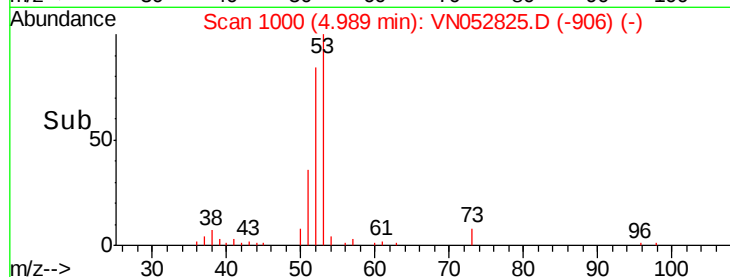
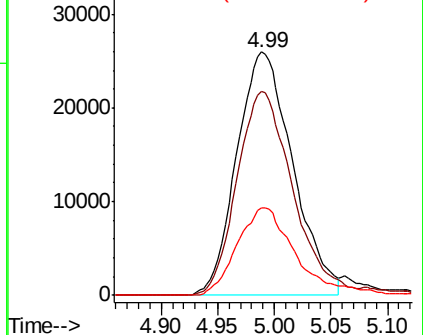
51 37.8 28.1 42.1



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: 29.194 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052825.D

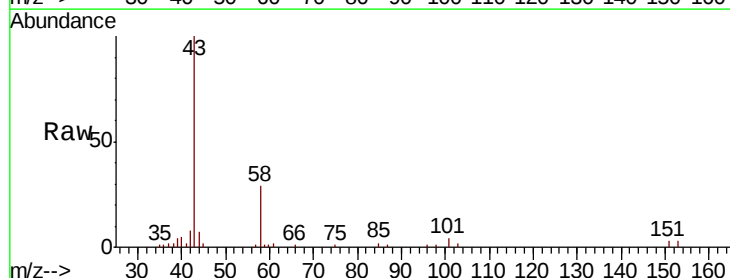
Acq: 12 Dec 2018 14:19

Tgt Ion: 43 Resp: 70320

Ion Ratio Lower Upper

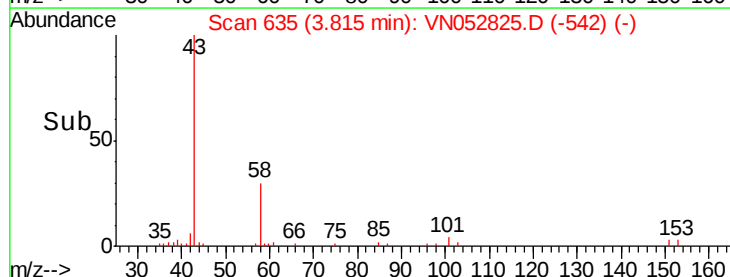
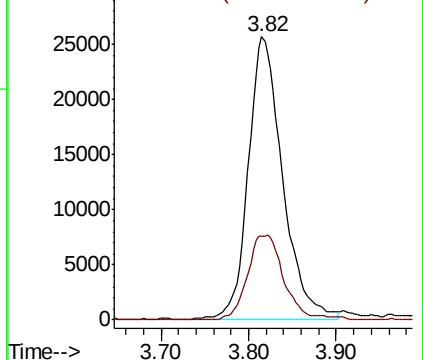
43 100

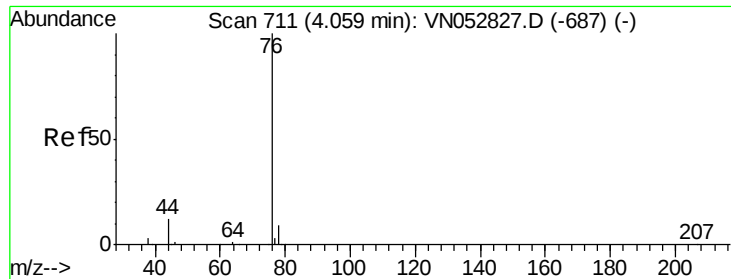
58 29.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

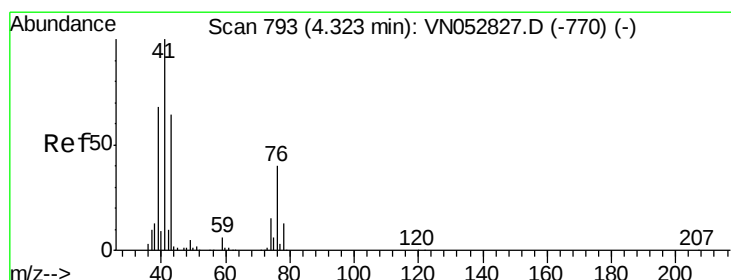
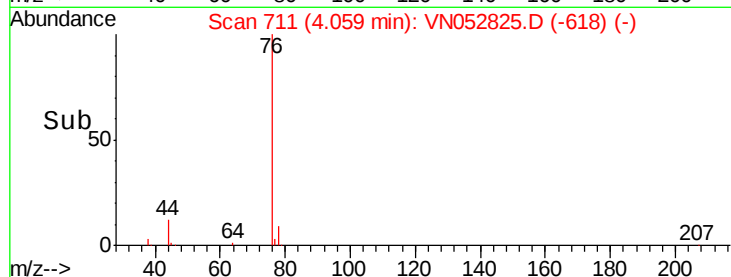
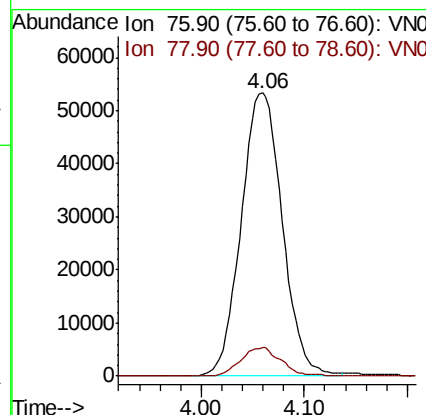
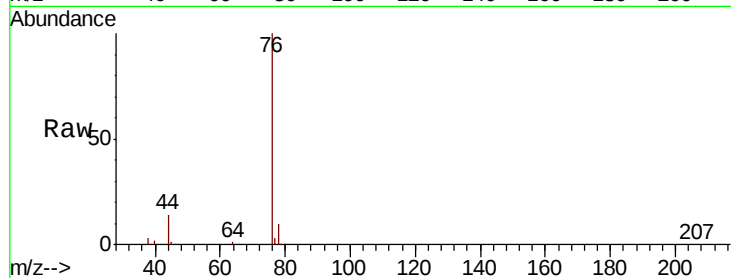




#17
Carbon Disulfide
Concen: 5.187 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

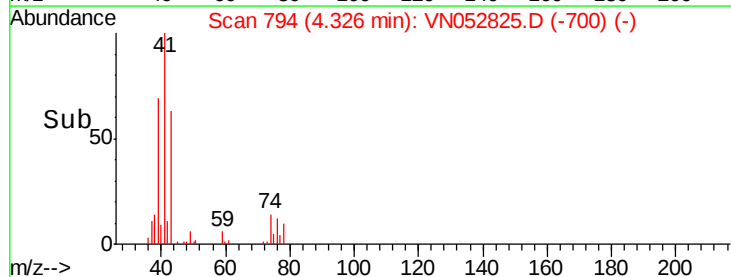
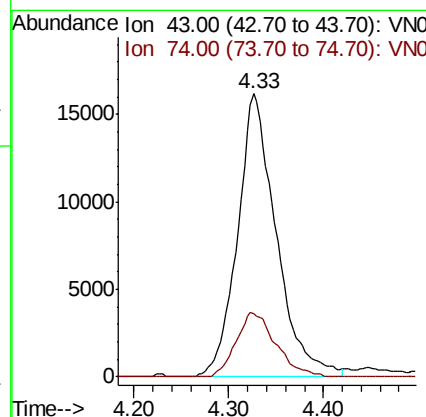
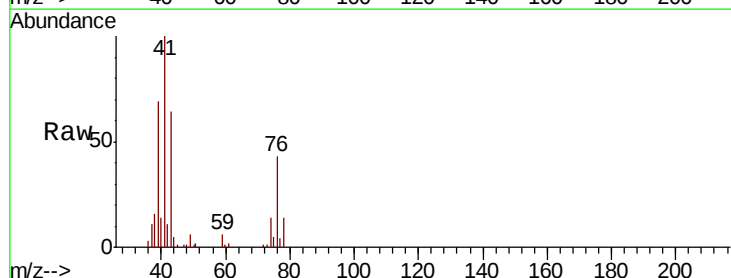
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

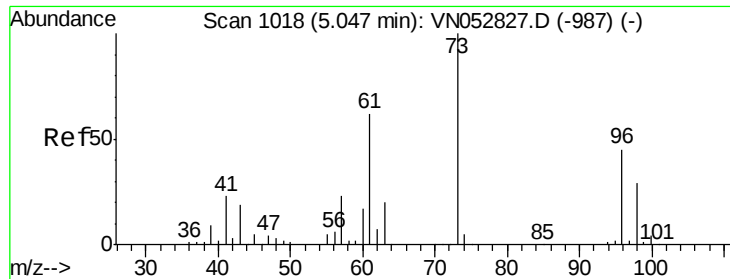
Tgt Ion: 76 Resp: 147758
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7



#18
Methyl Acetate
Concen: 5.207 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 43 Resp: 46026
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

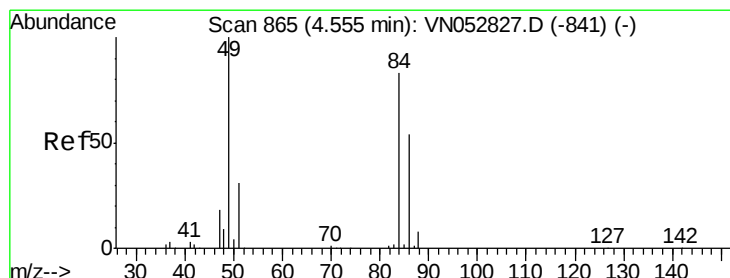
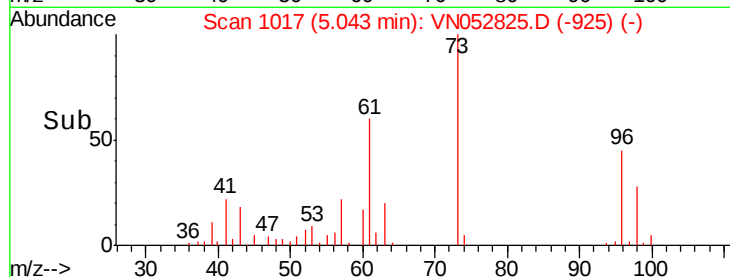
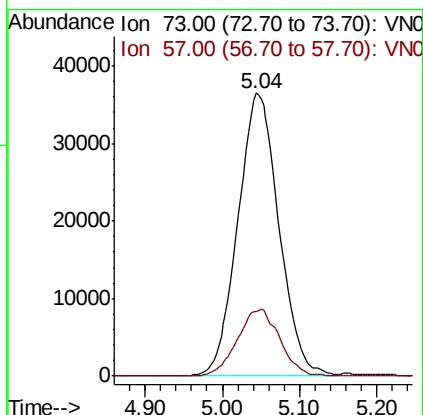
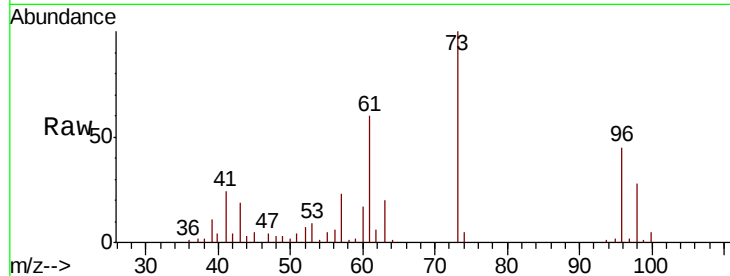




#19
Methyl tert-butyl Ether
Concen: 5.358 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

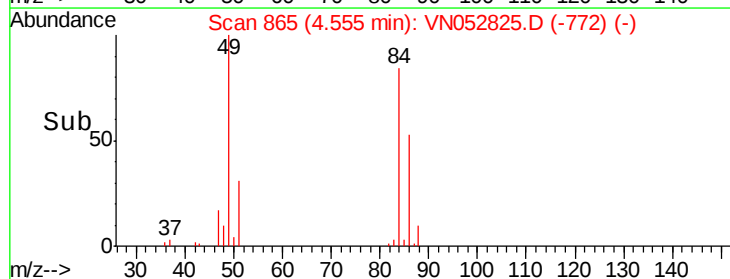
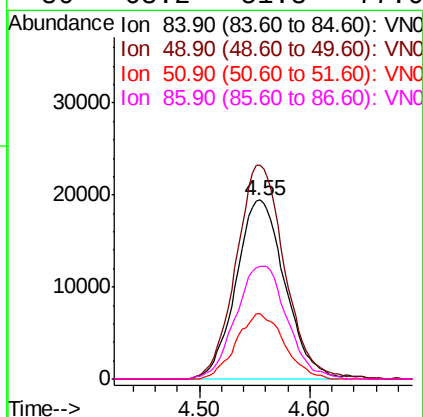
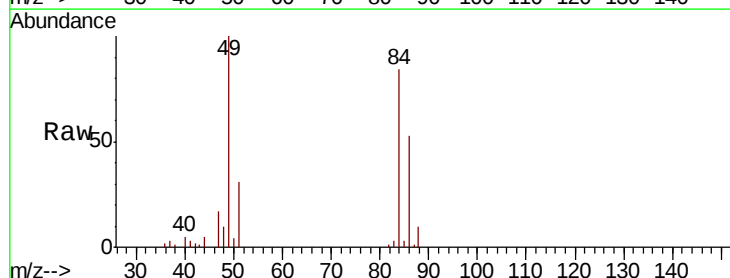
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

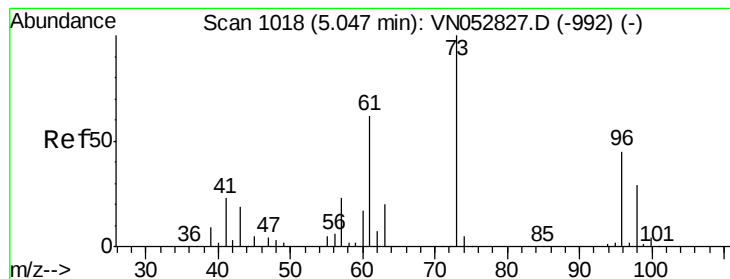
Tgt Ion: 73 Resp: 134882
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 5.507 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 84 Resp: 59698
Ion Ratio Lower Upper
84 100
49 119.4 96.8 145.2
51 36.5 29.9 44.9
86 63.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 5.409 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

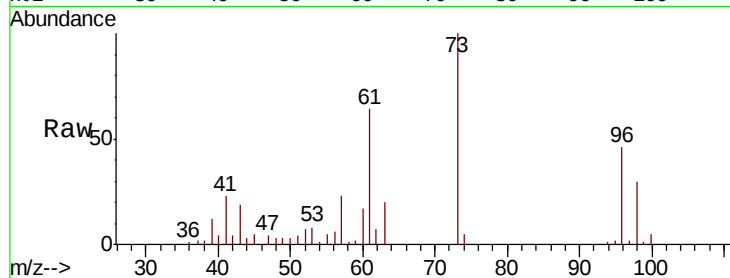
Tgt Ion: 96 Resp: 54343

Ion Ratio Lower Upper

96 100

61 138.7 110.8 166.2

98 64.5 51.4 77.2

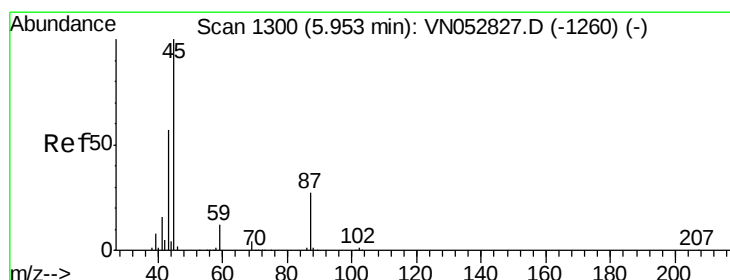
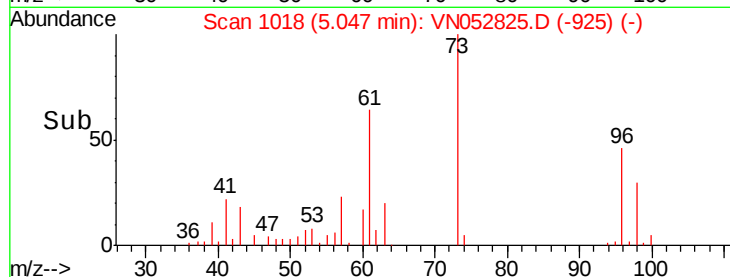
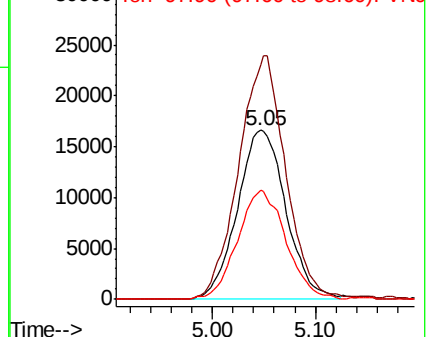


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 5.481 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Tgt Ion: 45 Resp: 177110

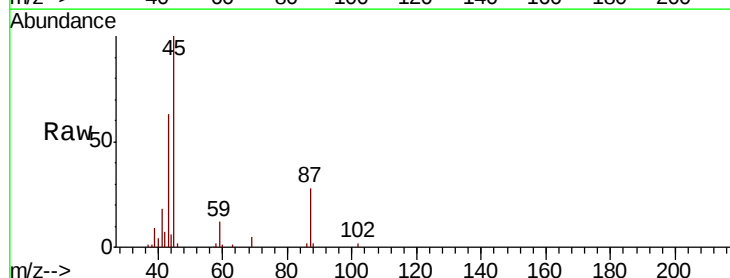
Ion Ratio Lower Upper

45 100

43 59.5 45.5 68.3

87 27.2 22.0 33.0

59 11.6 9.4 14.0



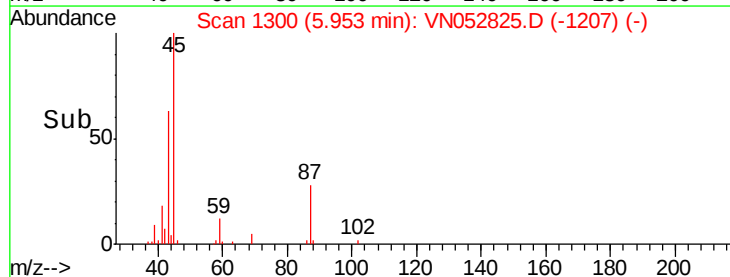
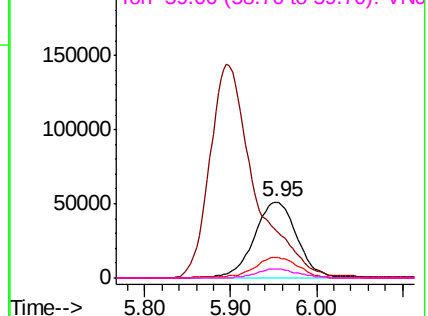
Abundance

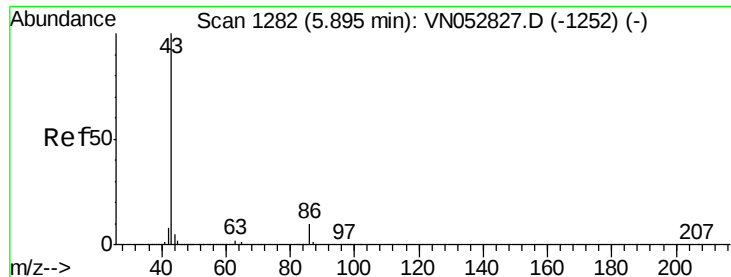
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 27.145 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

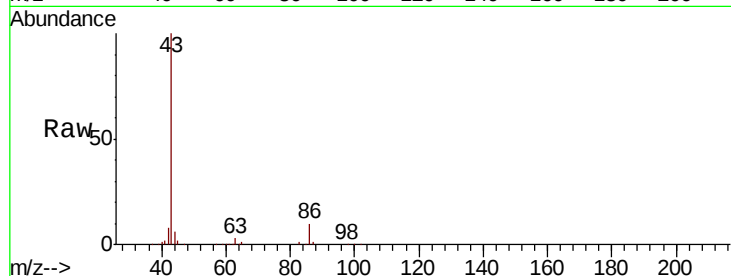
VSTDIC005

Tgt Ion: 43 Resp: 521949

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)

5.90

150000

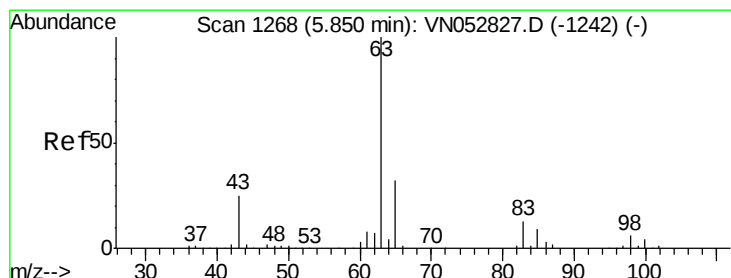
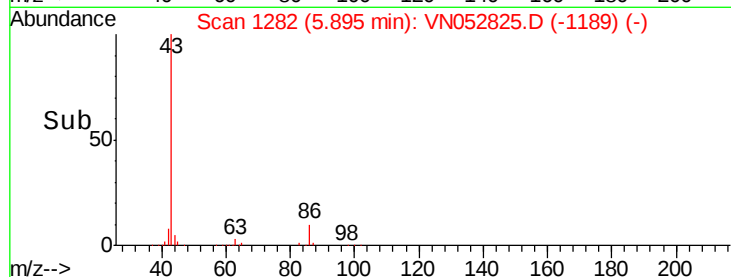
100000

50000

0

Time-->

5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 5.506 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

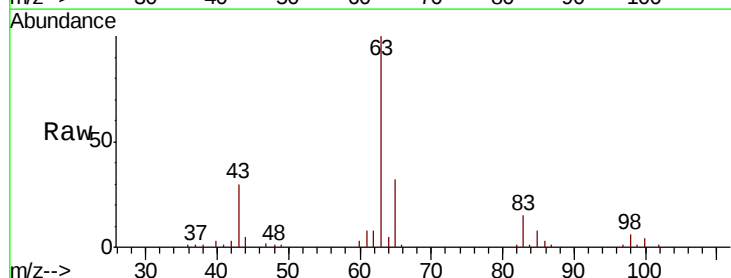
Tgt Ion: 63 Resp: 102609

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.4

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)

5.85

40000

30000

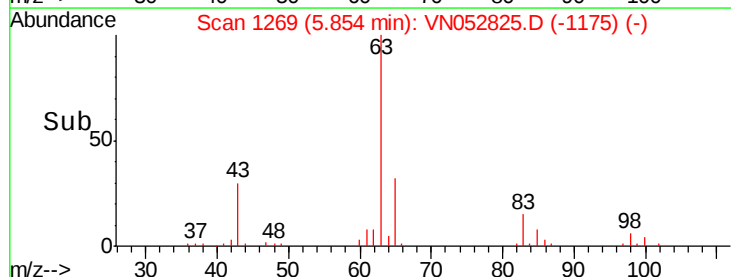
20000

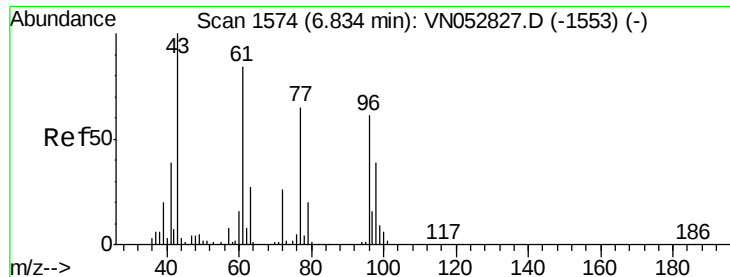
10000

0

Time-->

5.70 5.80 5.90

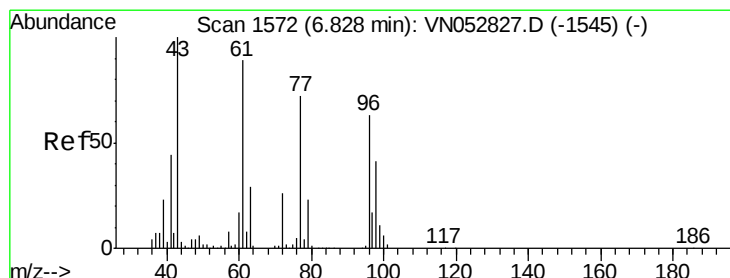
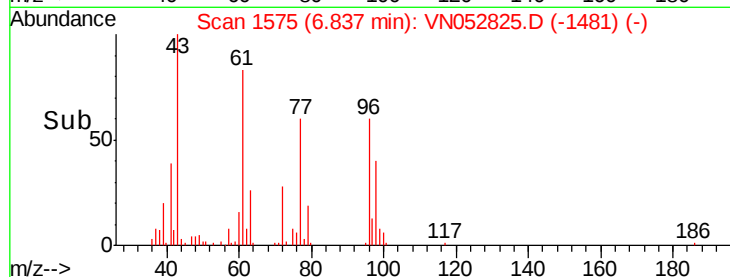
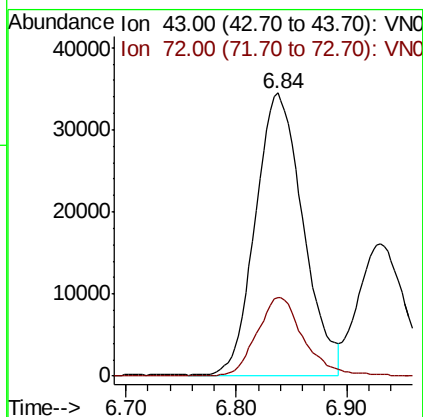
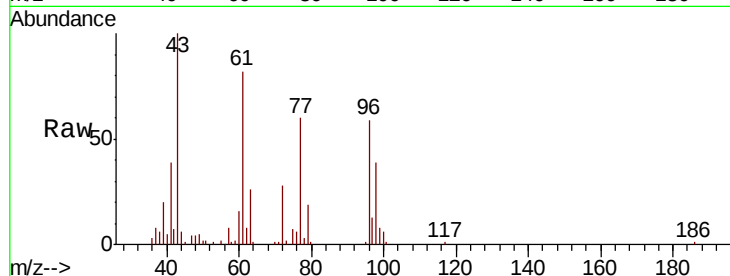




#25
2-Butanone
Concen: 27.771 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

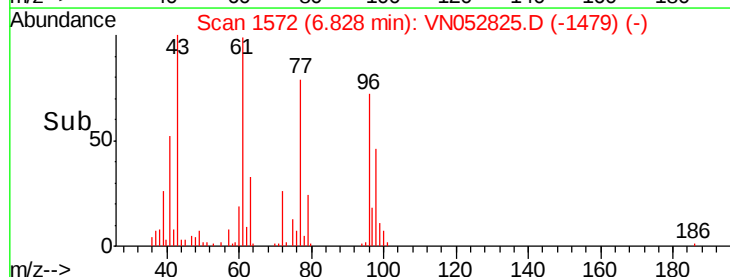
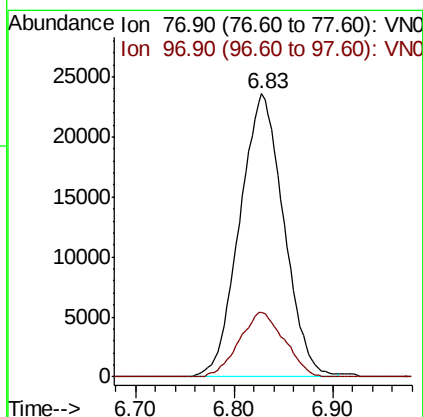
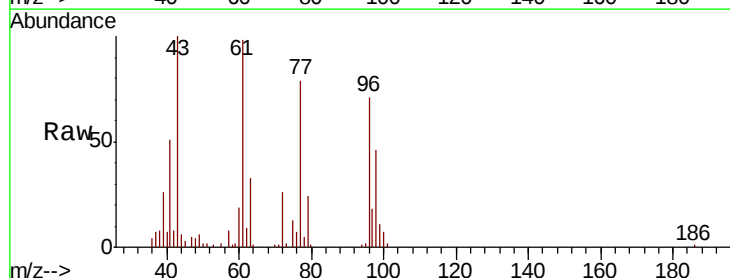
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

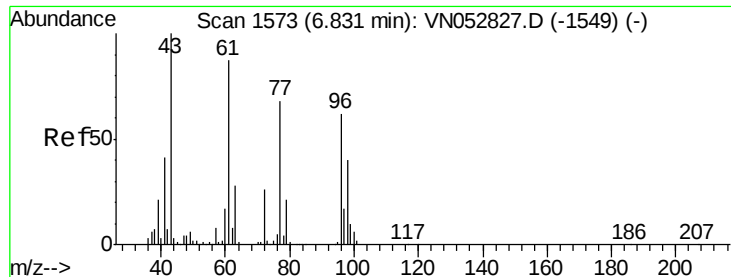
Tgt Ion: 43 Resp: 103796
Ion Ratio Lower Upper
43 100
72 28.0 21.0 31.6



#26
2,2-Dichloropropane
Concen: 5.318 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 77 Resp: 72972
Ion Ratio Lower Upper
77 100
97 23.3 11.9 35.9

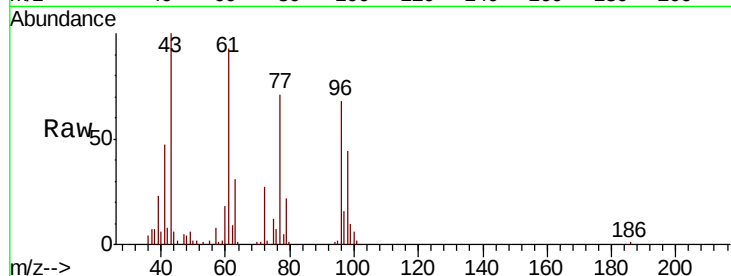




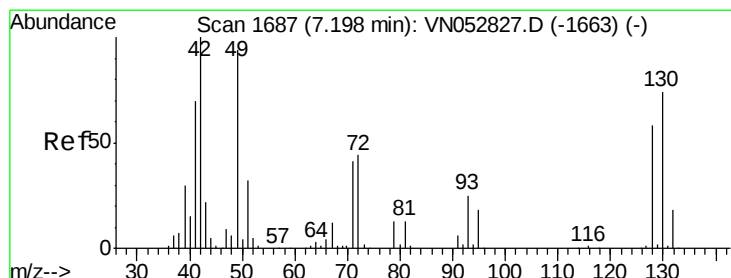
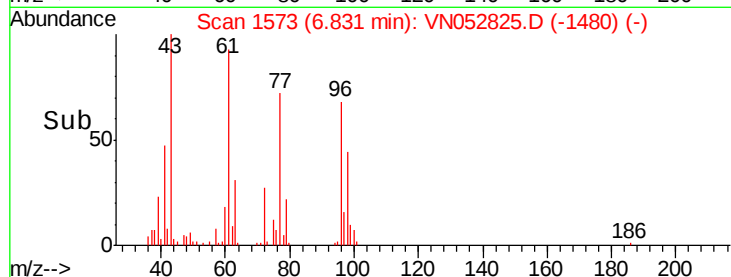
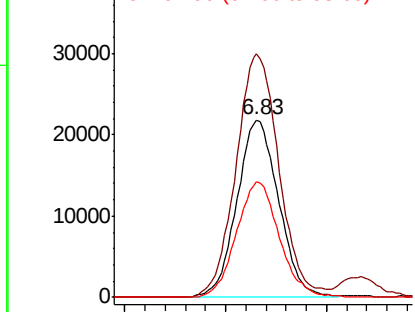
#27
 cis-1,2-Dichloroethene
 Concen: 5.508 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 62812
 Ion Ratio Lower Upper
 96 100
 61 141.4 0.0 284.2
 98 66.7 0.0 129.2

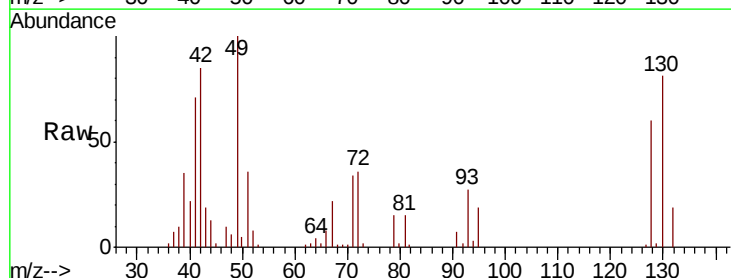


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

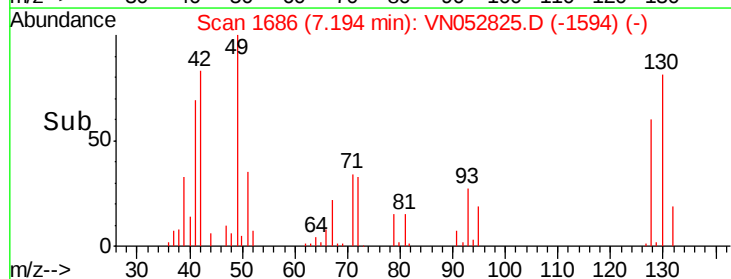
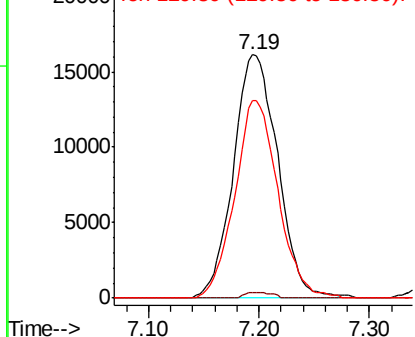


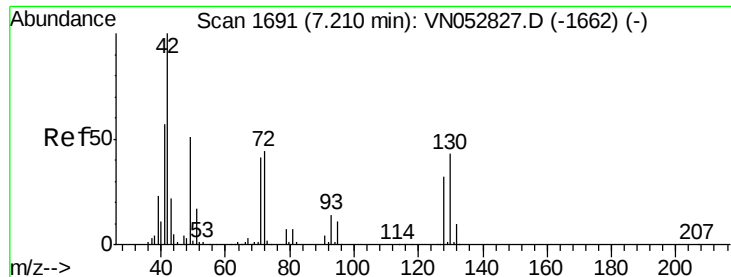
#28
 Bromochloromethane
 Concen: 5.357 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 49 Resp: 44829
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.0
 130 79.3 63.3 94.9



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: 28.162 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

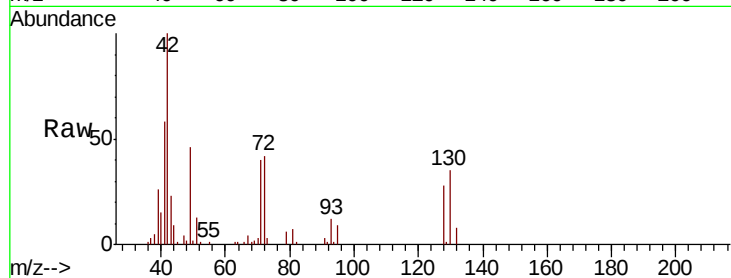
Tgt Ion: 42 Resp: 71857

Ion Ratio Lower Upper

42 100

72 41.4 34.7 52.1

71 39.9 32.3 48.5

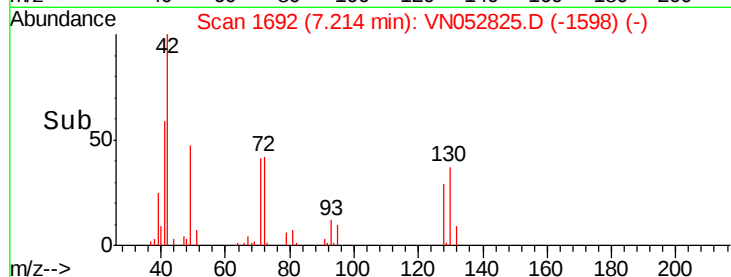


Abundance Ion 42.00 (41.70 to 42.70): VN052827.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN052827.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN052827.D (-1662) (-)

Time-->

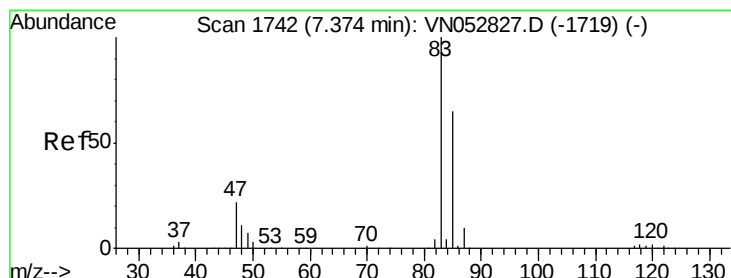


Abundance Ion 42.00 (41.70 to 42.70): VN052825.D (-1598) (-)

Ion 72.00 (71.70 to 72.70): VN052825.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN052825.D (-1598) (-)

Time-->



#30

Chloroform

Concen: 5.542 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052825.D

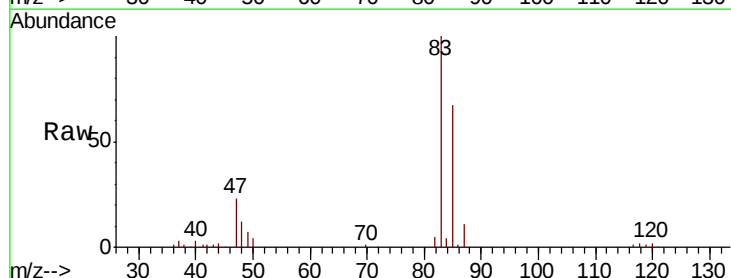
Acq: 12 Dec 2018 14:19

Tgt Ion: 83 Resp: 100716

Ion Ratio Lower Upper

83 100

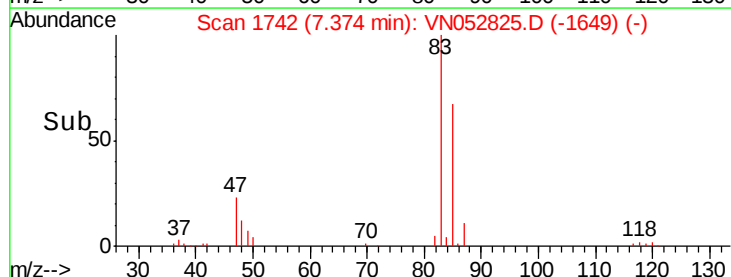
85 67.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-1719) (-)

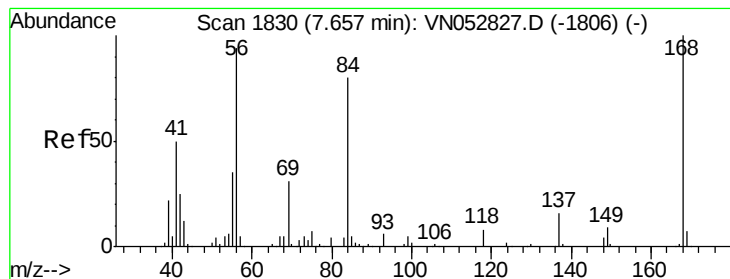
Time-->



Abundance Ion 82.90 (82.60 to 83.60): VN052825.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VN052825.D (-1649) (-)

Time-->



#31

Cyclohexane

Concen: 5.224 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

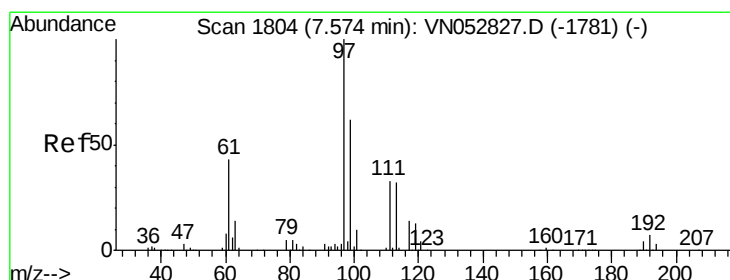
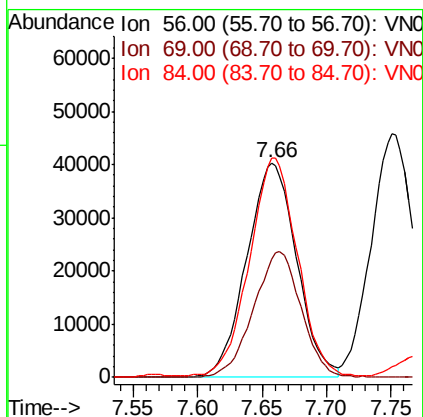
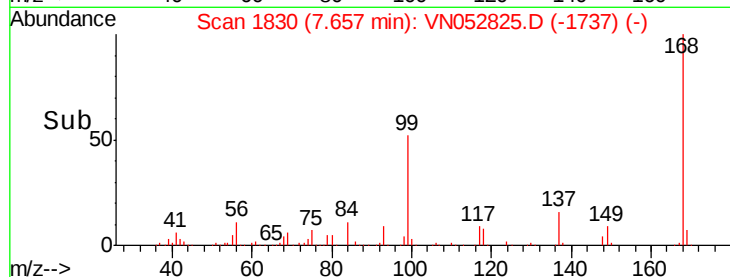
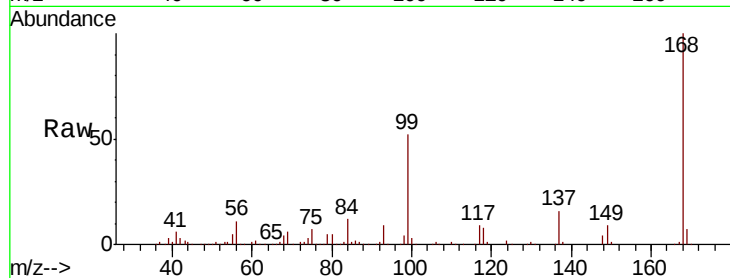
Tgt Ion: 56 Resp: 108533

Ion Ratio Lower Upper

56 100

69 55.0 26.6 39.8#

84 101.0 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 5.453 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

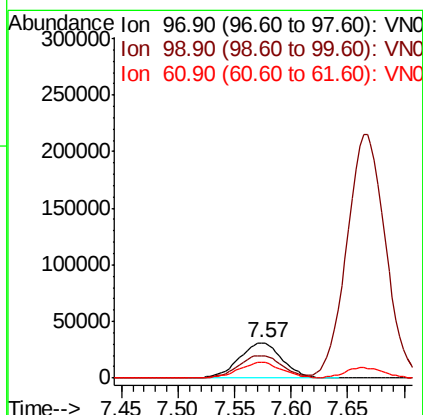
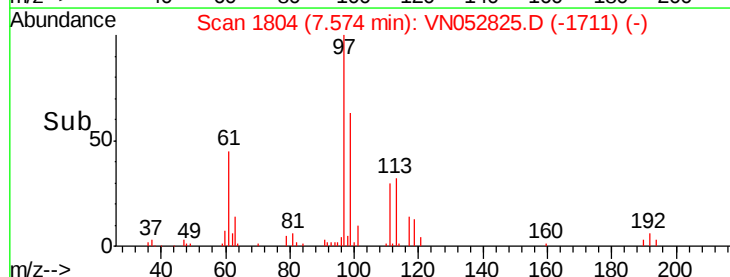
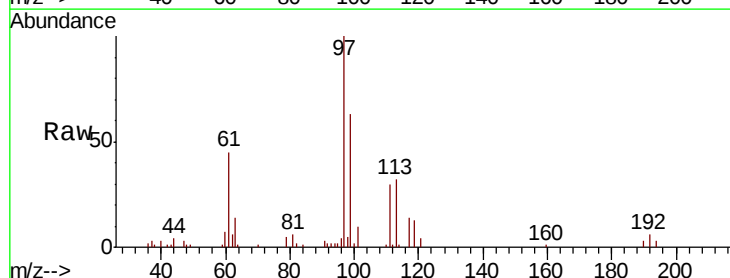
Tgt Ion: 97 Resp: 82899

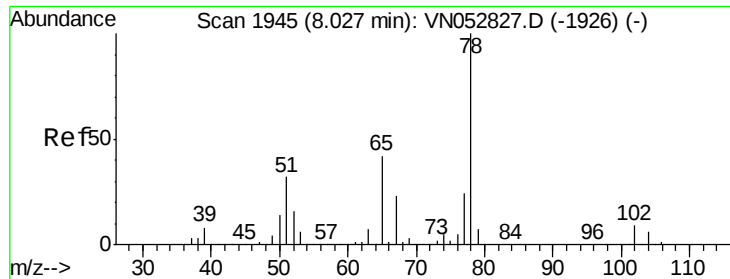
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 43.8 35.0 52.6

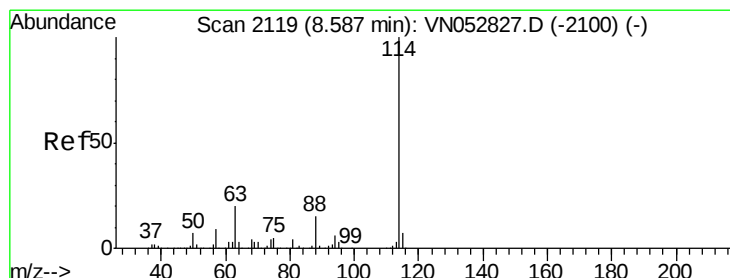
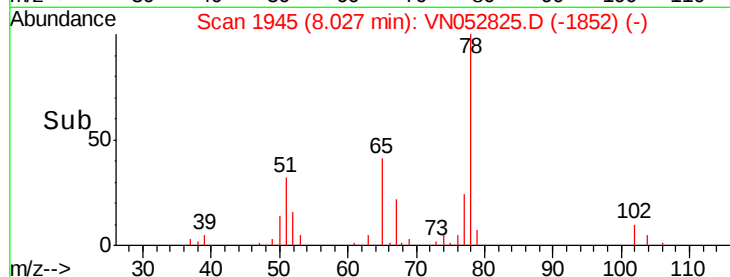
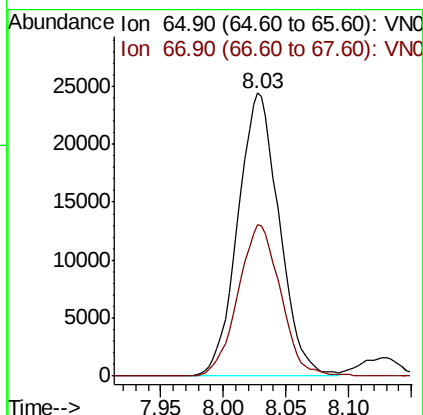
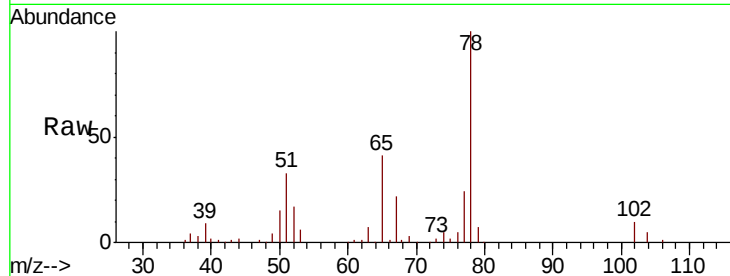




#33
 1,2-Dichloroethane-d4
 Concen: 5.453 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

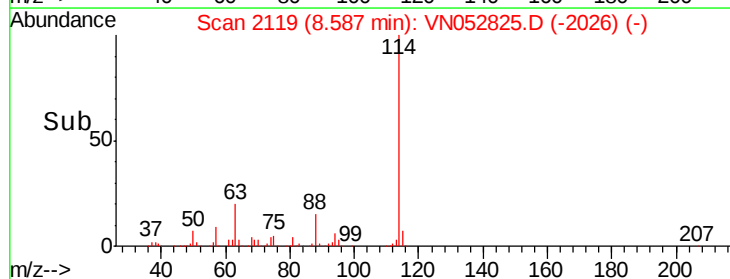
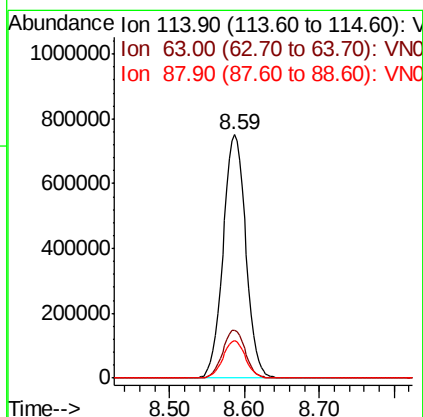
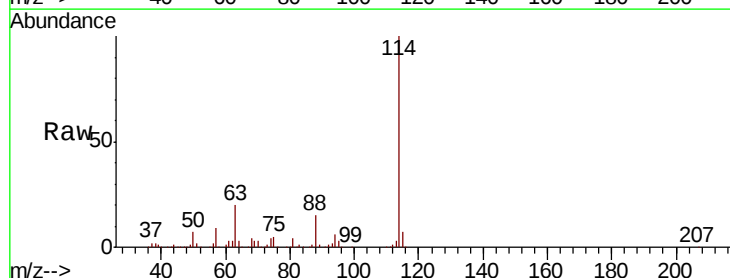
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

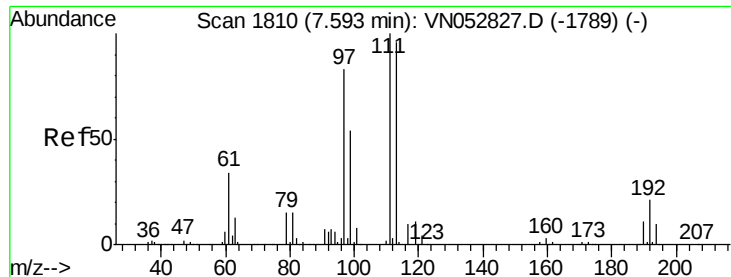
Tgt Ion: 65 Resp: 56084
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 114 Resp: 1570352
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 31.0

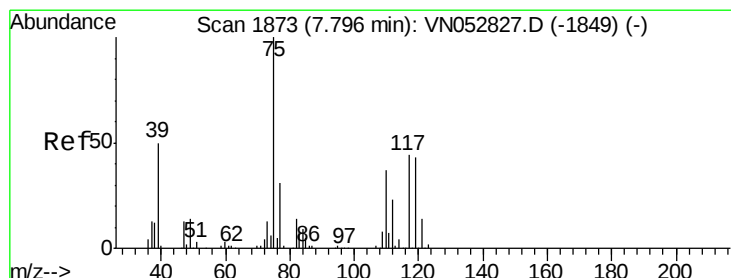
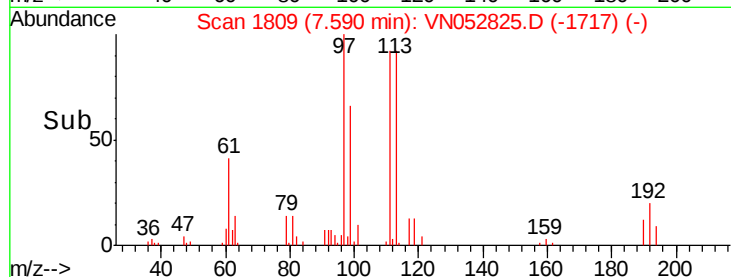
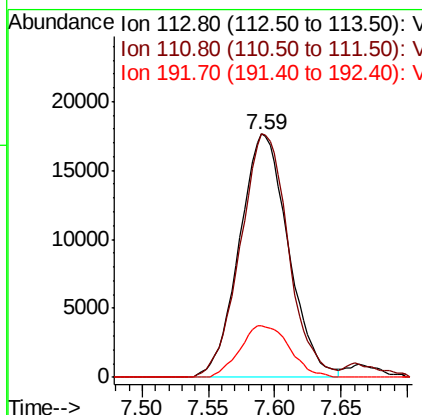
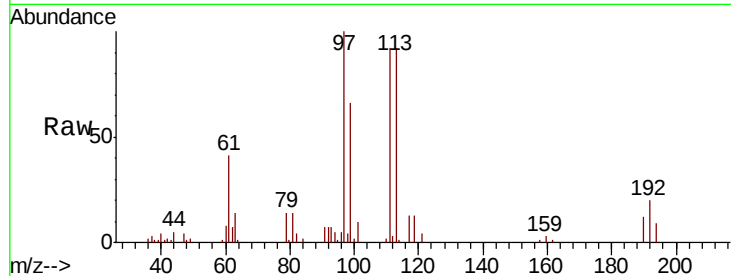




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

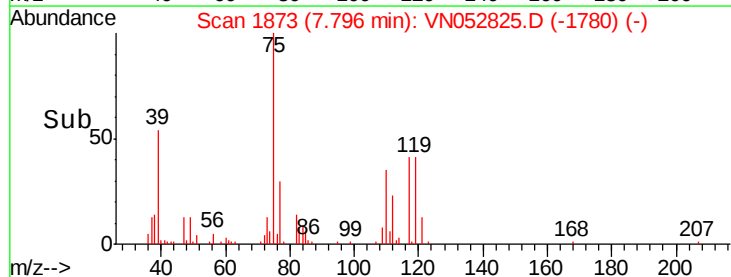
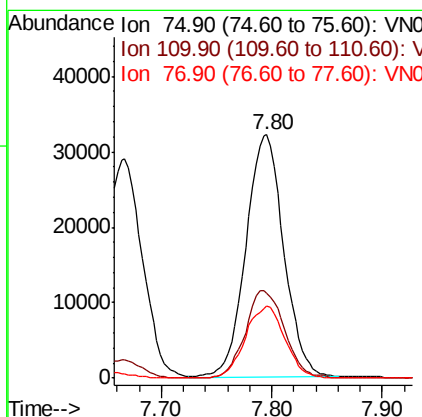
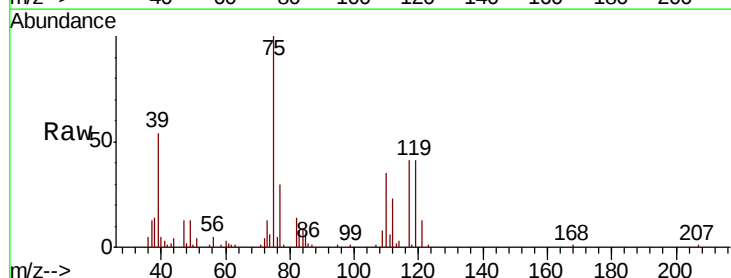
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

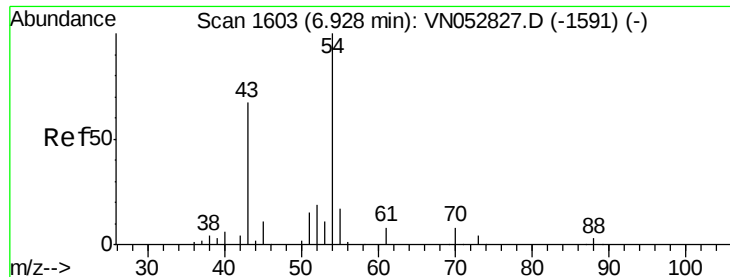
Tgt Ion:113 Resp: 45435
Ion Ratio Lower Upper
113 100
111 98.0 83.0 124.4
192 21.5 17.5 26.3



#36
1,1-Dichloropropene
Concen: 5.267 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 75 Resp: 76159
Ion Ratio Lower Upper
75 100
110 37.4 18.2 54.6
77 31.0 24.9 37.3

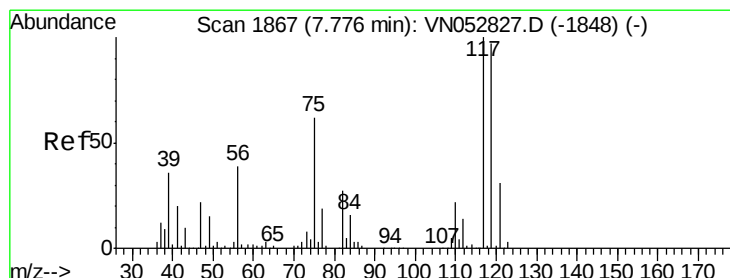
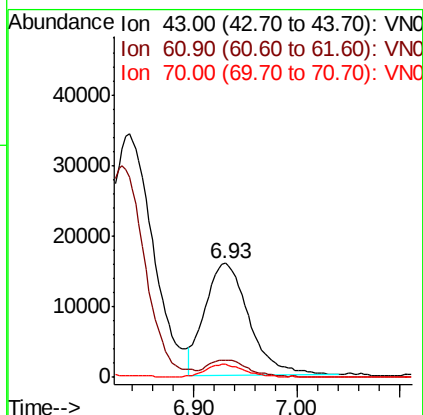
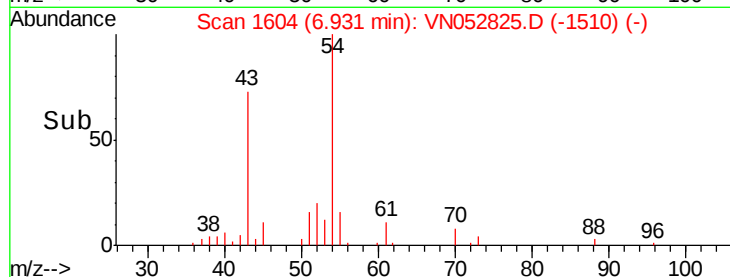
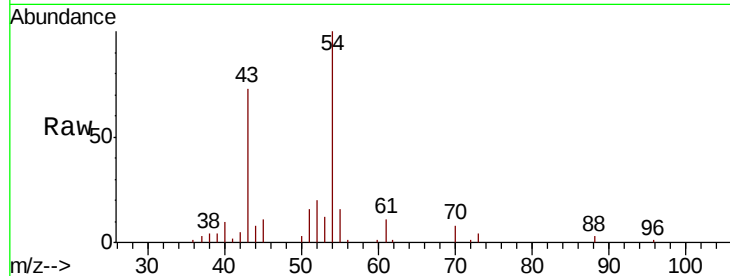




#37
Ethyl Acetate
Concen: 5.507 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

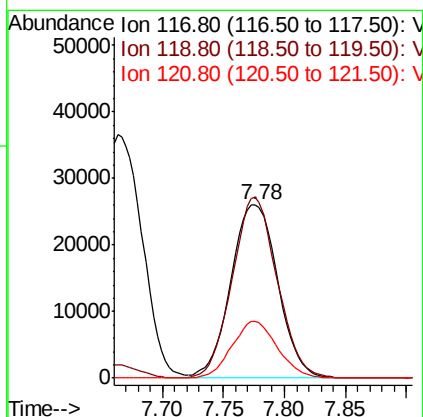
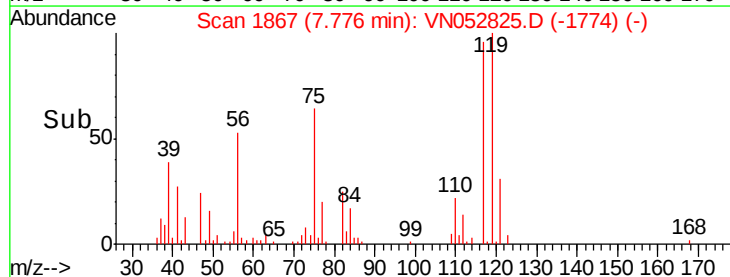
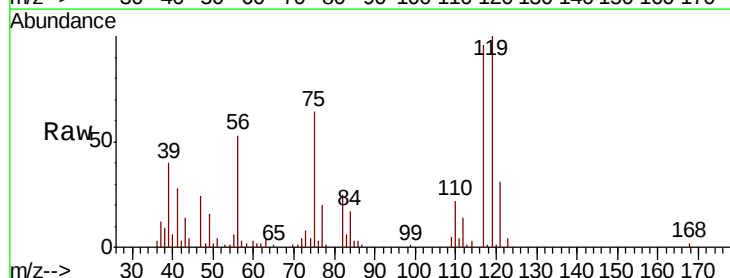
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

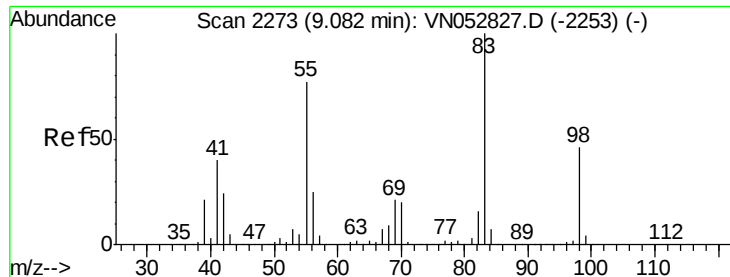
Tgt Ion: 43 Resp: 47837
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.234 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 117 Resp: 69667
Ion Ratio Lower Upper
117 100
119 104.1 77.1 115.7
121 32.7 24.9 37.3

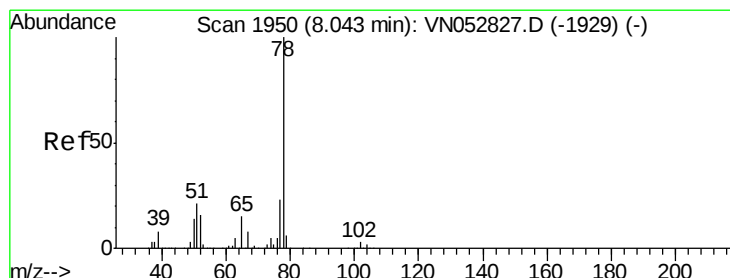
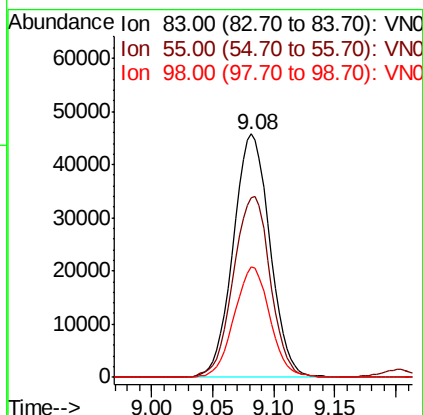
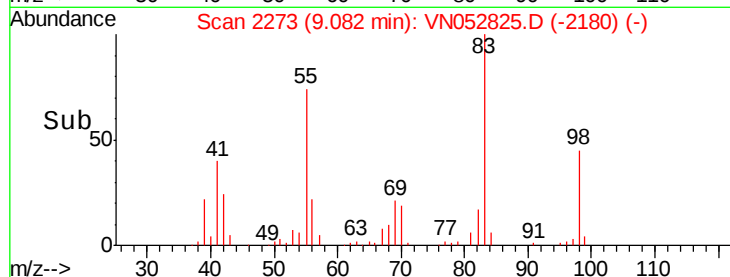
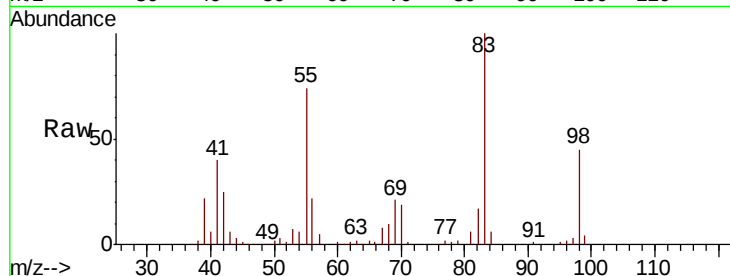




#39
Methylcyclohexane
Concen: 5.370 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

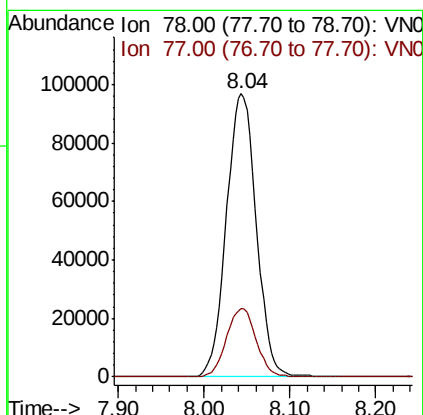
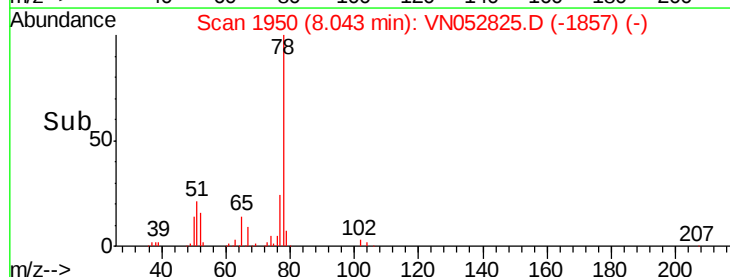
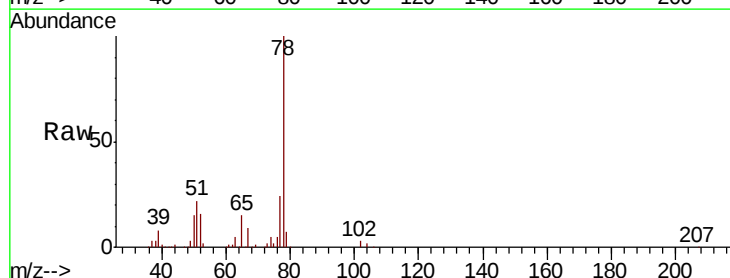
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

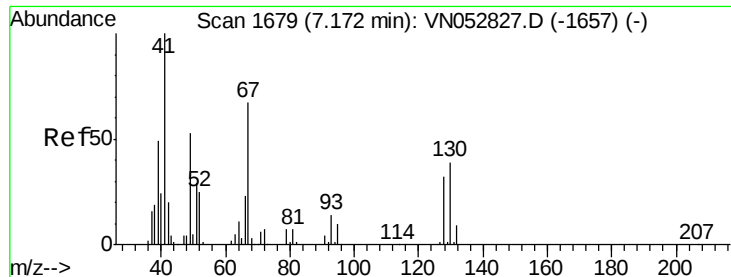
Tgt Ion: 83 Resp: 95289
Ion Ratio Lower Upper
83 100
55 73.9 61.3 91.9
98 45.3 37.0 55.4



#40
Benzene
Concen: 5.382 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 78 Resp: 233604
Ion Ratio Lower Upper
78 100
77 24.2 18.5 27.7

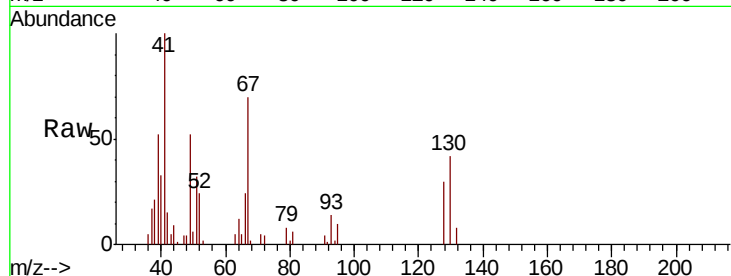




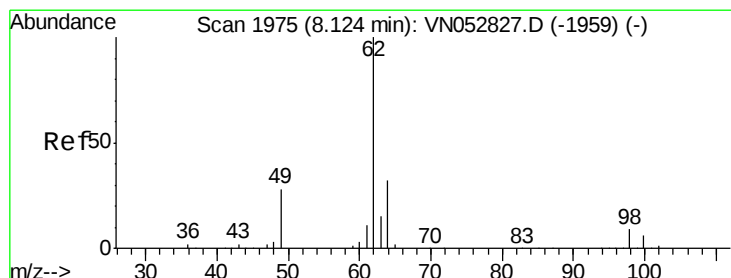
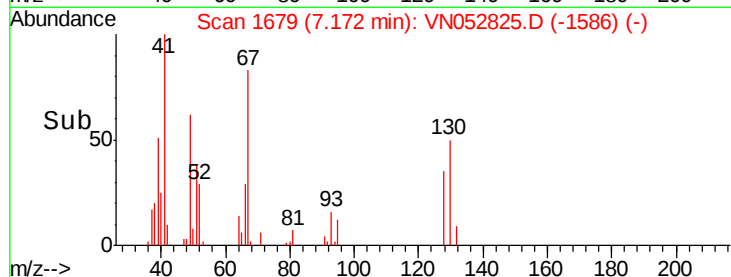
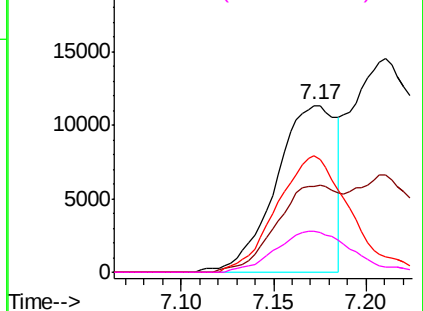
#41
Methacrylonitrile
Concen: 5.312 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	25569
Ion	Ratio	Lower	Upper
41	100		
39	55.7	48.0	72.0
67	85.4	70.3	105.5
52	31.1	26.9	40.3

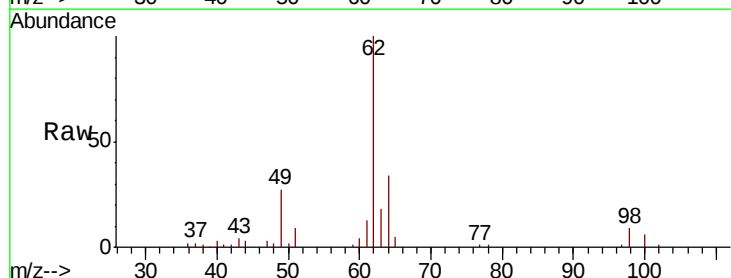


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

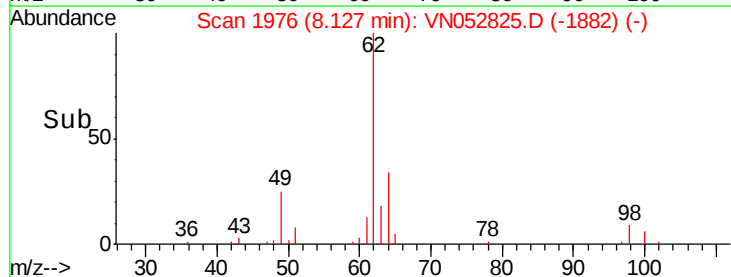
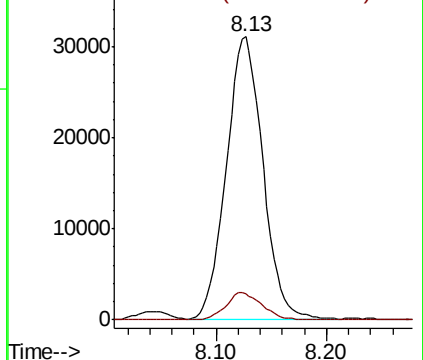


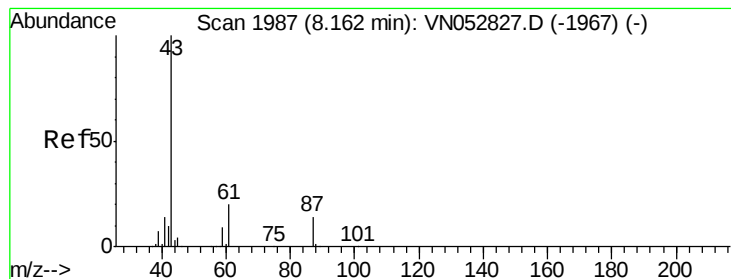
#42
1,2-Dichloroethane
Concen: 5.486 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion:	62	Resp:	71680
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 5.544 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

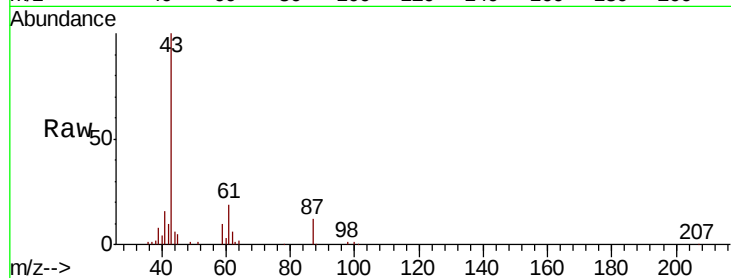
Tgt Ion: 43 Resp: 98743

Ion Ratio Lower Upper

43 100

61 16.7 22.9 34.3#

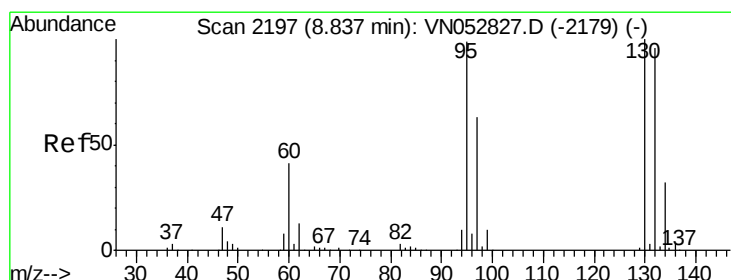
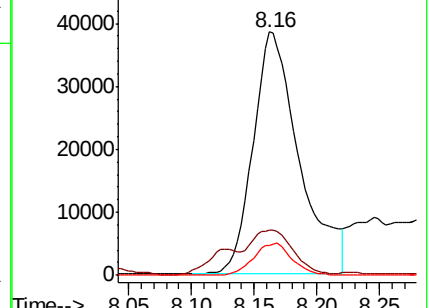
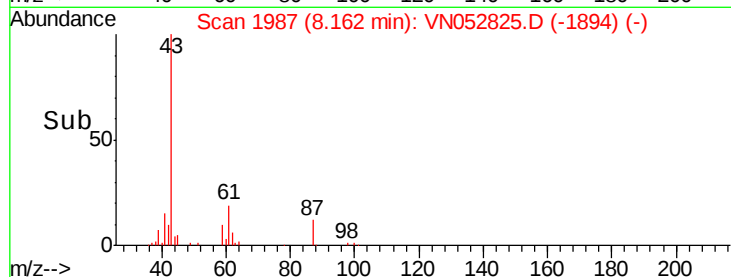
87 11.1 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#44

Trichloroethene

Concen: 5.544 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052825.D

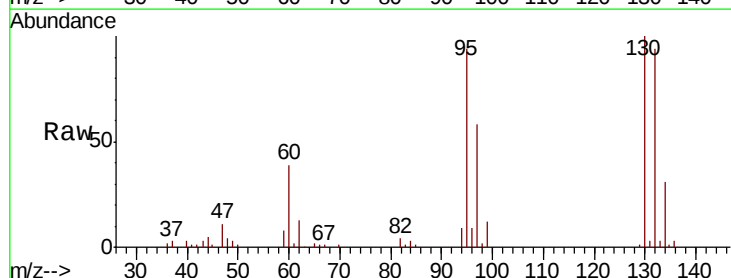
Acq: 12 Dec 2018 14:19

Tgt Ion: 130 Resp: 64992

Ion Ratio Lower Upper

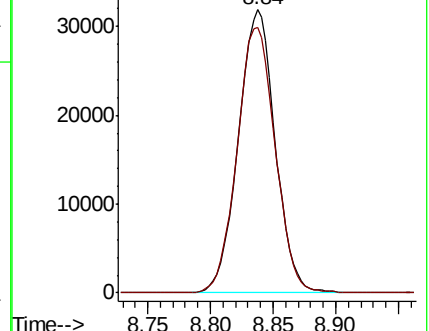
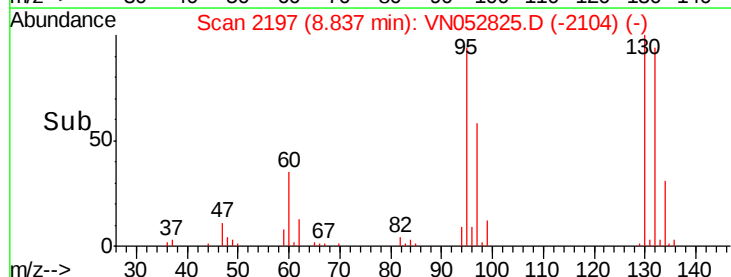
130 100

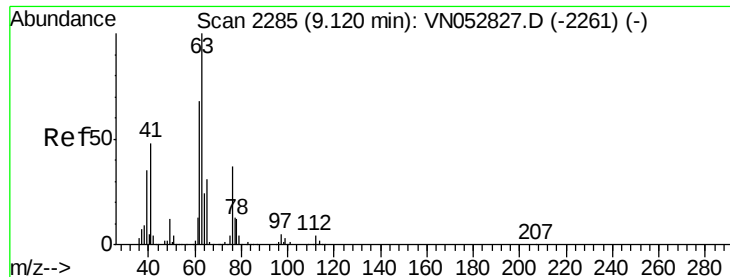
95 93.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 5.431 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

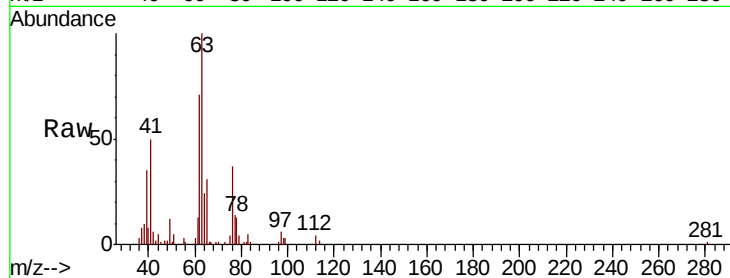
VSTDIC005

Tgt Ion: 63 Resp: 61745

Ion Ratio Lower Upper

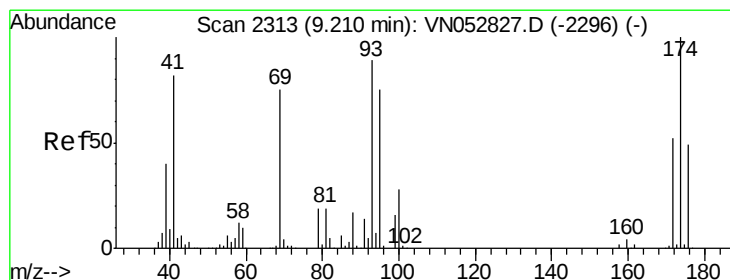
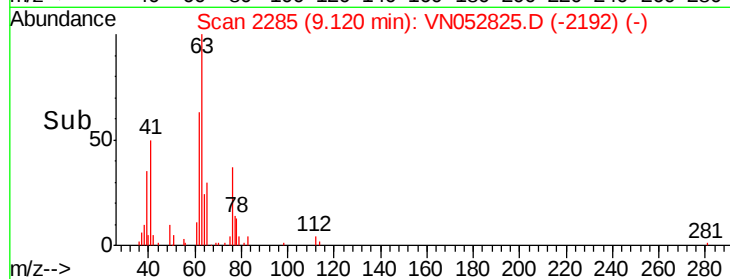
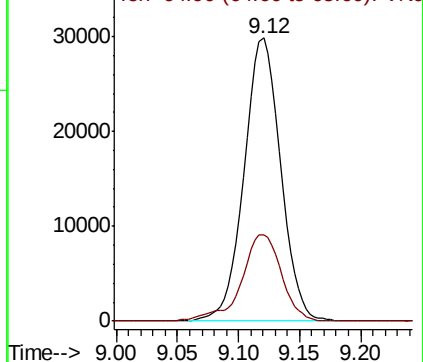
63 100

65 30.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.551 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

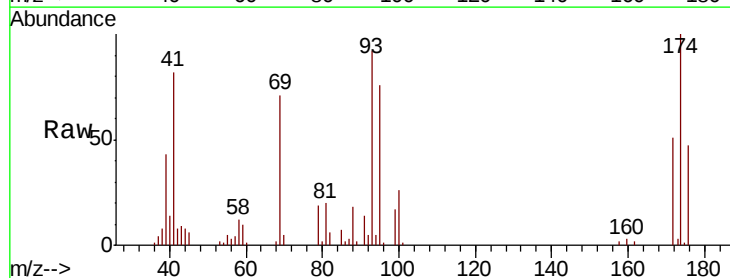
Tgt Ion: 93 Resp: 36598

Ion Ratio Lower Upper

93 100

95 83.3 67.8 101.6

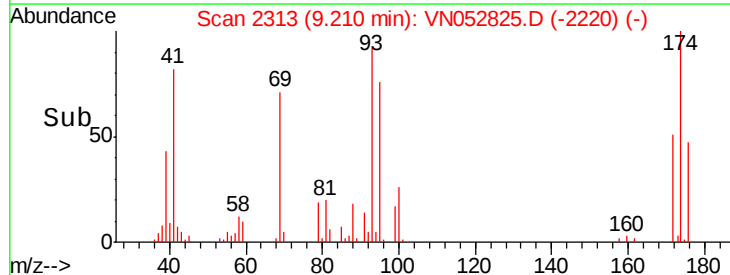
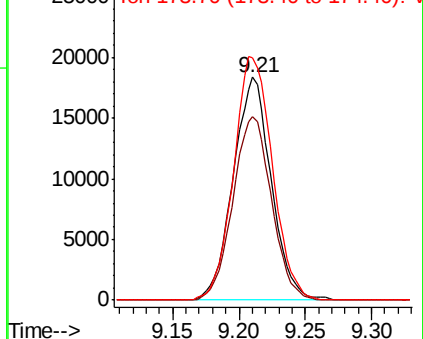
174 111.4 89.0 133.4

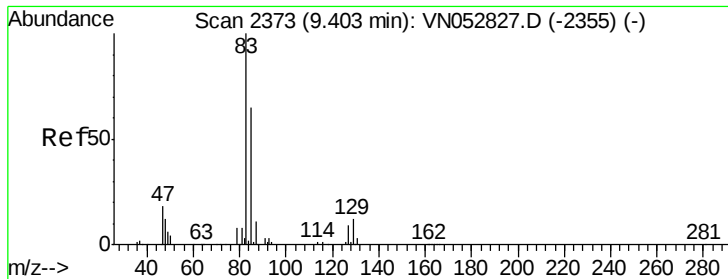


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.325 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

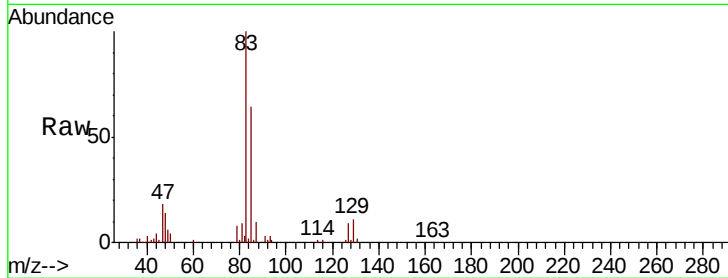
Tgt Ion: 83 Resp: 72800

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

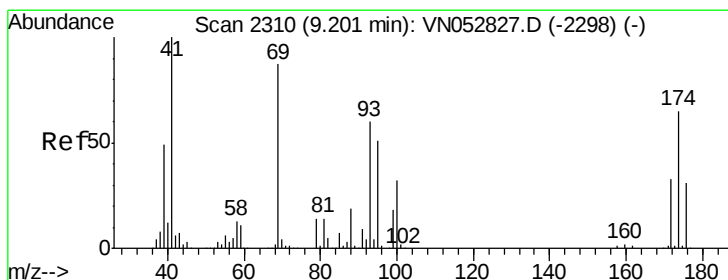
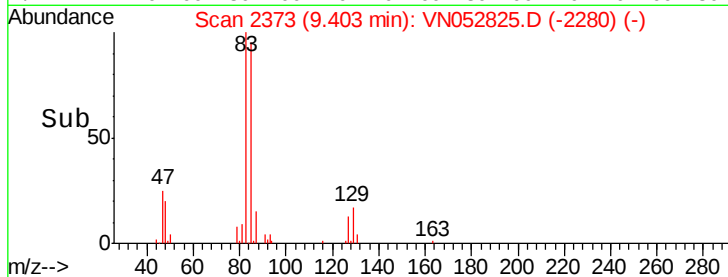
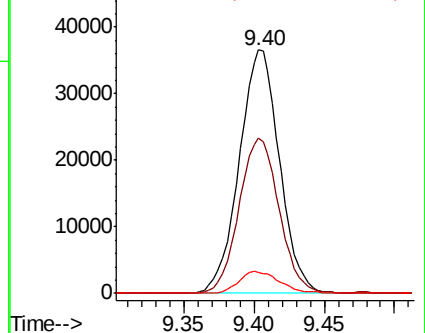
127 8.5 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)



#48

Methyl methacrylate

Concen: 5.223 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

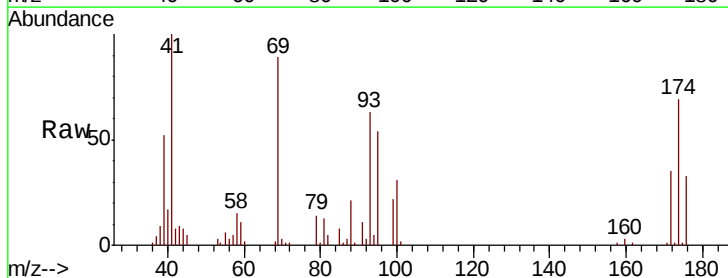
Tgt Ion: 41 Resp: 40794

Ion Ratio Lower Upper

41 100

69 90.2 72.2 108.2

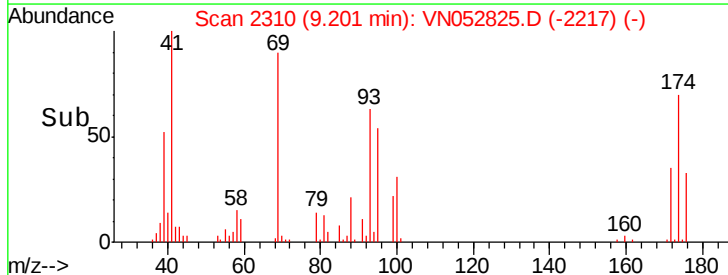
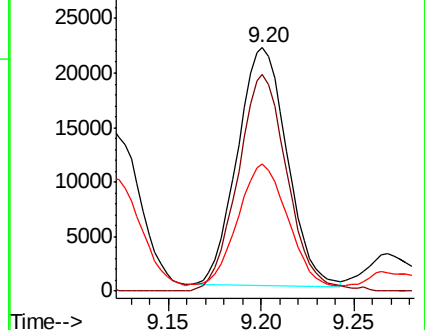
39 51.4 41.9 62.9

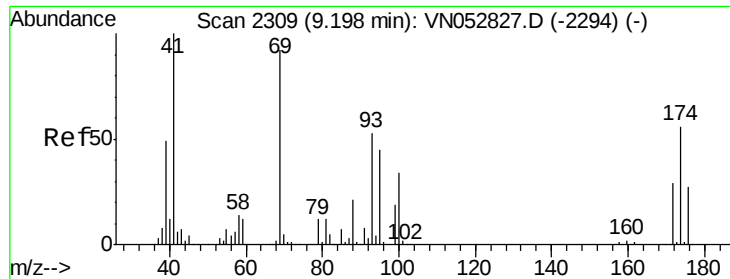


Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

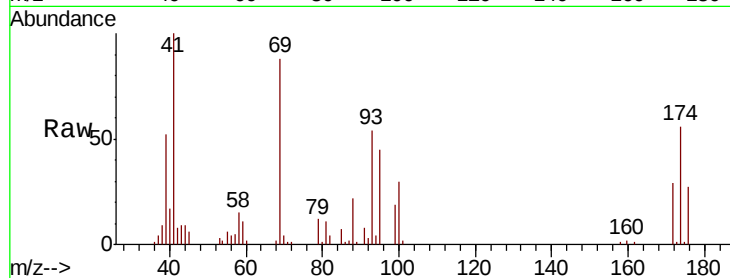




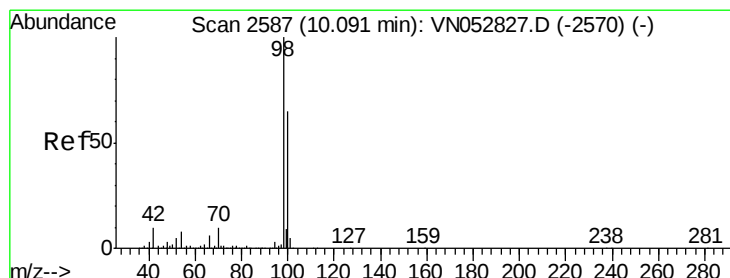
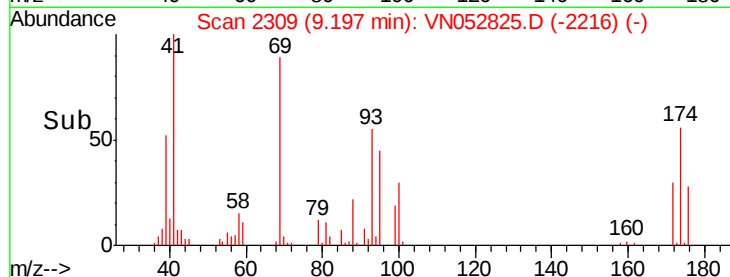
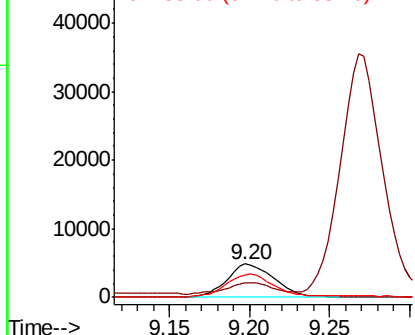
#49
 1,4-Dioxane
 Concen: 111.549 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 9890
 Ion Ratio Lower Upper
 88 100
 43 31.5 26.6 40.0
 58 69.6 58.4 87.6

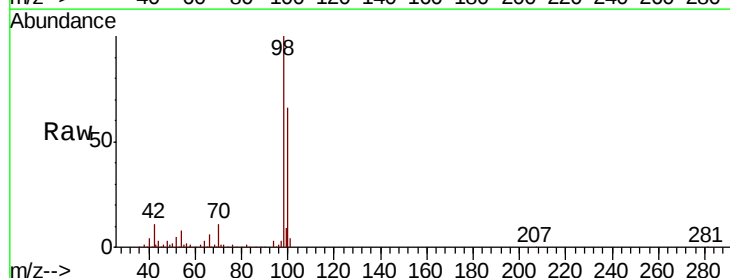


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

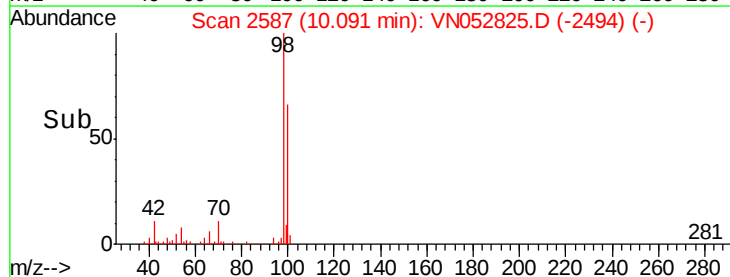
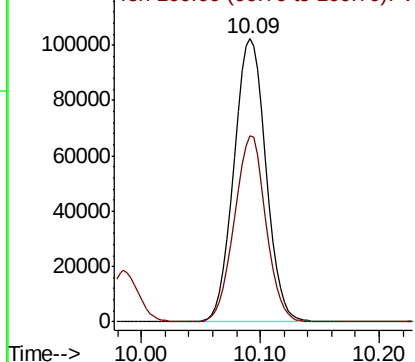


#50
 Toluene-d8
 Concen: 111.549 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 98 Resp: 190547
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.6 77.4



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: 26.670 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

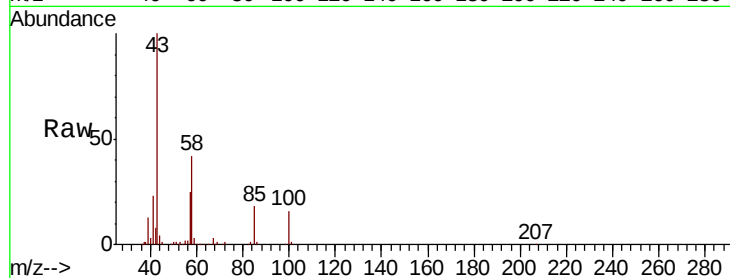
VSTDIC005

Tgt Ion: 43 Resp: 217817

Ion Ratio Lower Upper

43 100

58 40.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

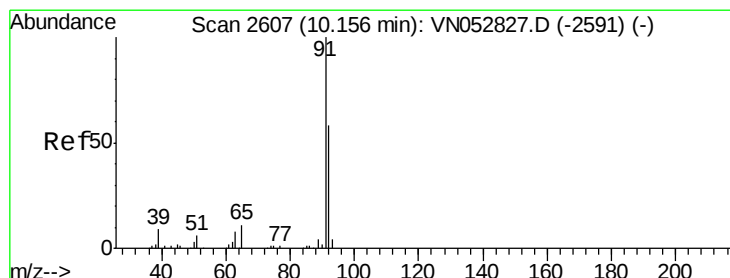
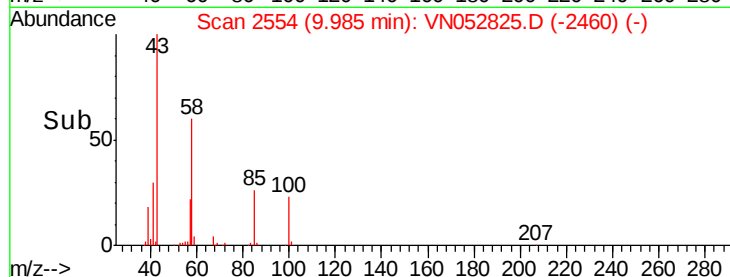
9.99

100000

50000

0

Time-->



#52

Toluene

Concen: 5.423 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052825.D

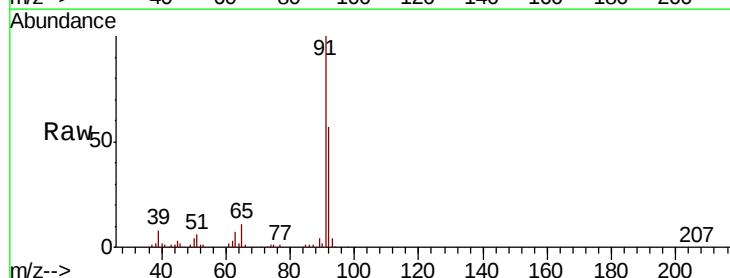
Acq: 12 Dec 2018 14:19

Tgt Ion: 92 Resp: 142565

Ion Ratio Lower Upper

92 100

91 176.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

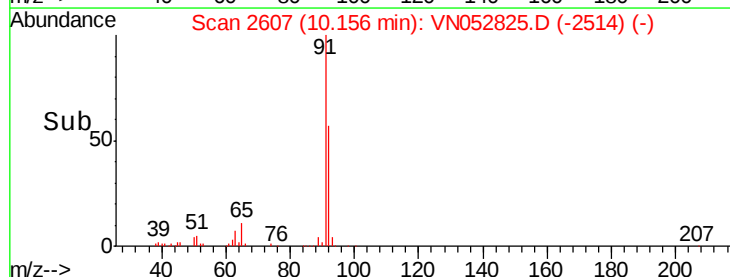
150000

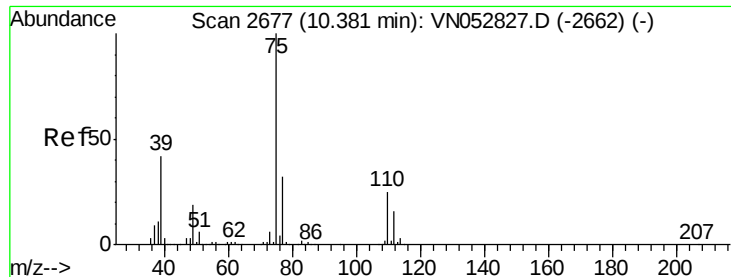
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.011 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

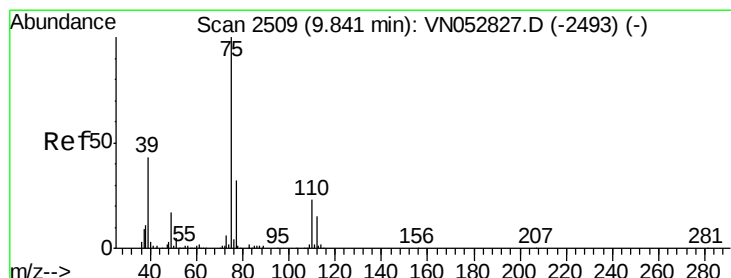
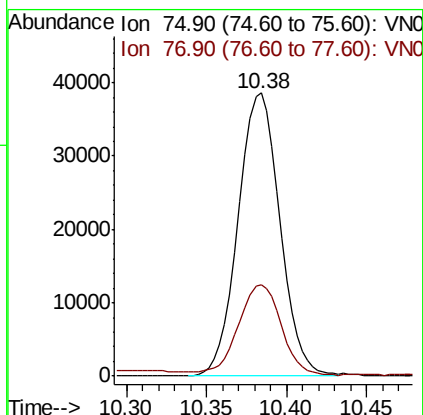
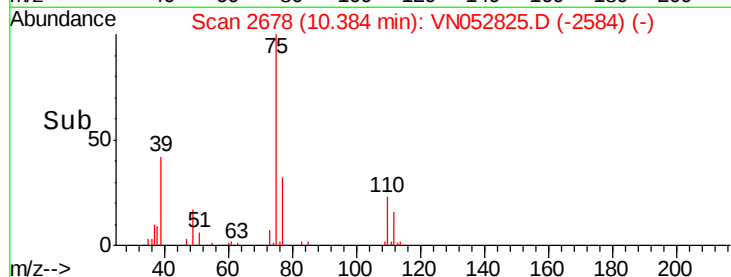
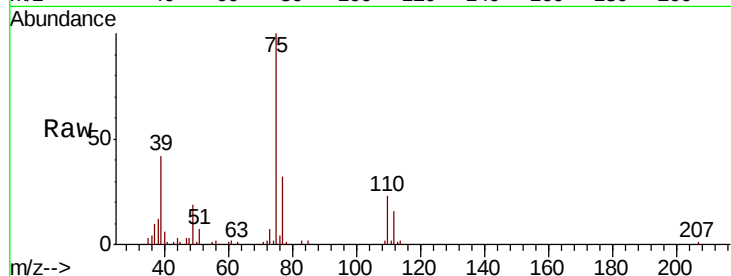
VSTDIC005

Tgt Ion: 75 Resp: 68934

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 5.169 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

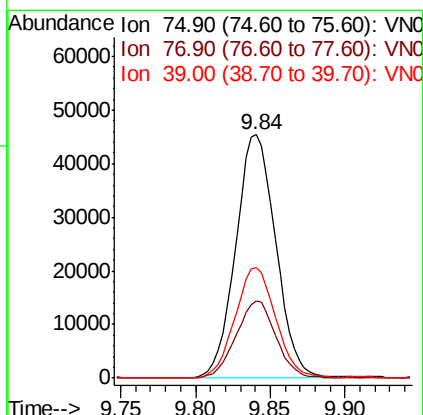
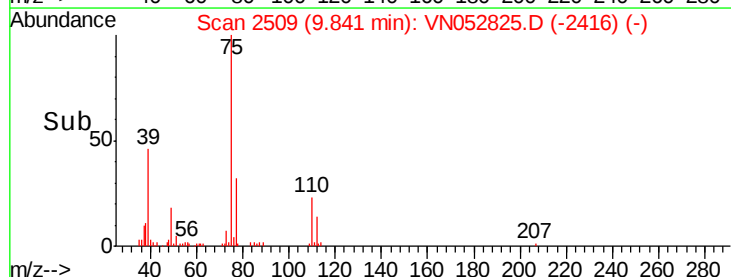
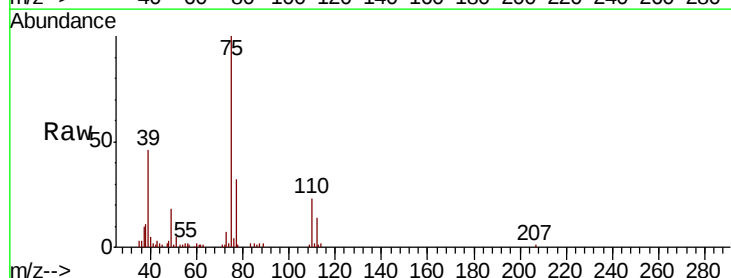
Tgt Ion: 75 Resp: 84741

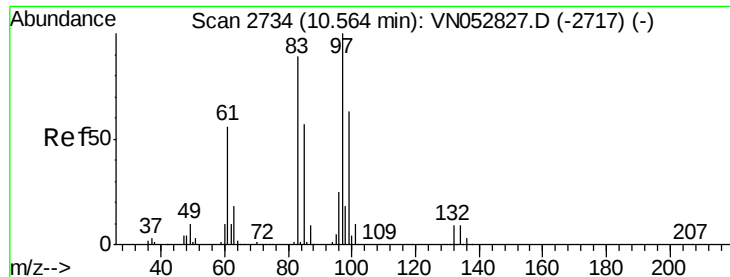
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 45.5 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 5.472 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 51345

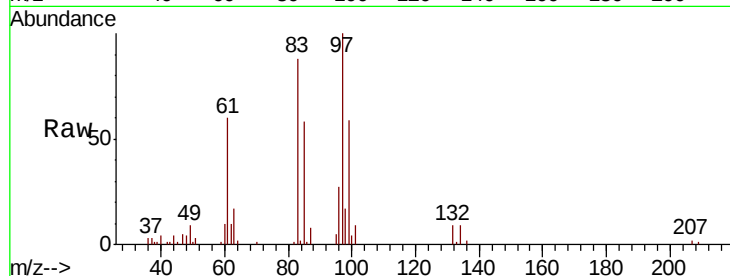
Ion Ratio Lower Upper

97 100

83 87.7 70.9 106.3

85 57.8 45.4 68.2

99 58.6 50.4 75.6

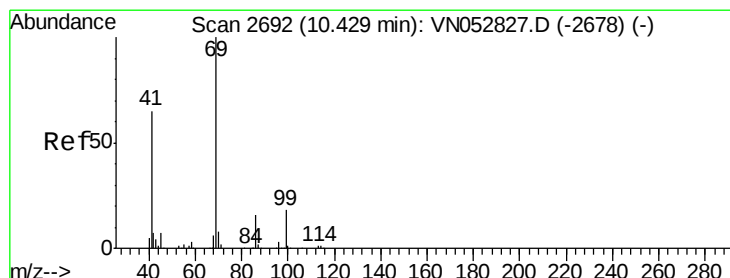
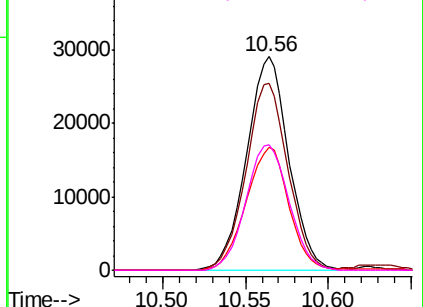
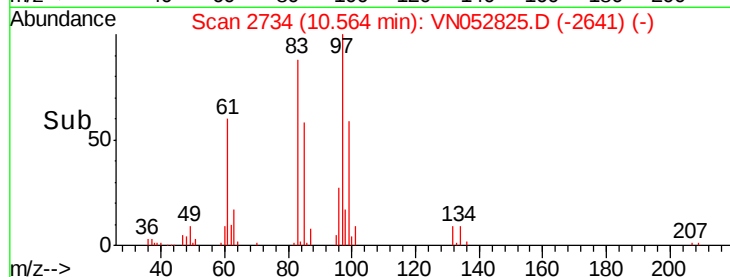


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 5.041 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

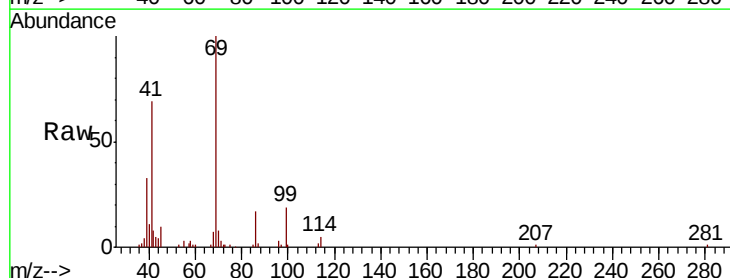
Tgt Ion: 69 Resp: 60709

Ion Ratio Lower Upper

69 100

41 64.8 51.7 77.5

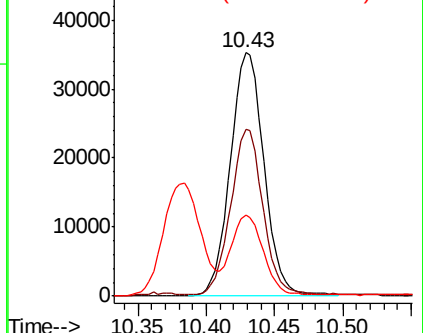
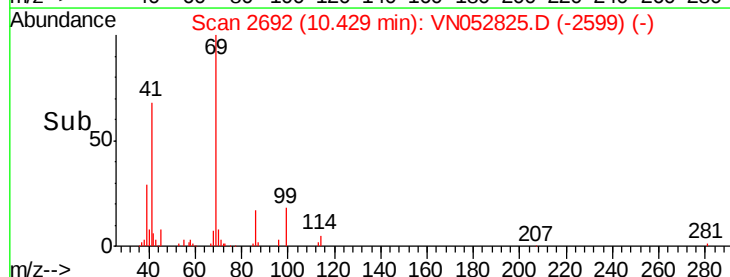
39 30.9 24.6 37.0

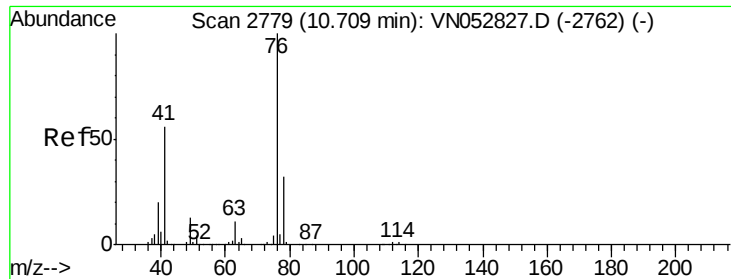


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

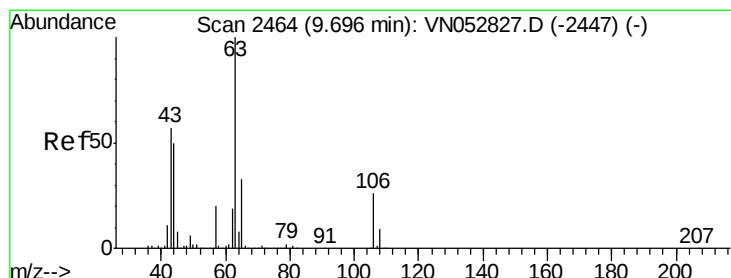
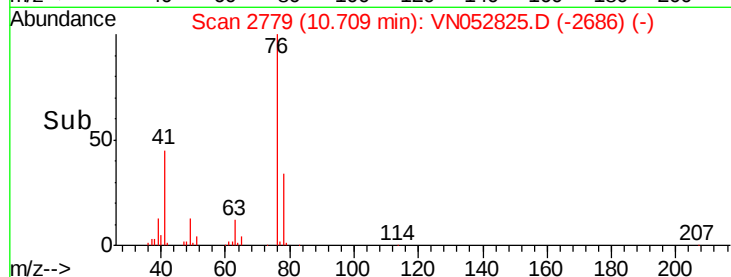
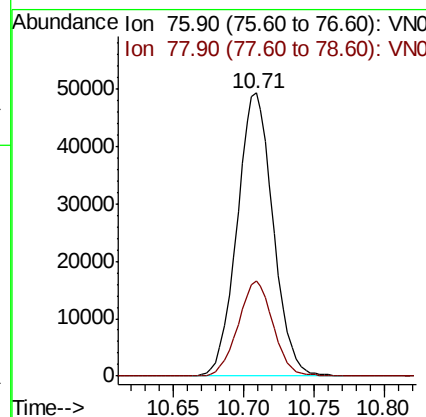
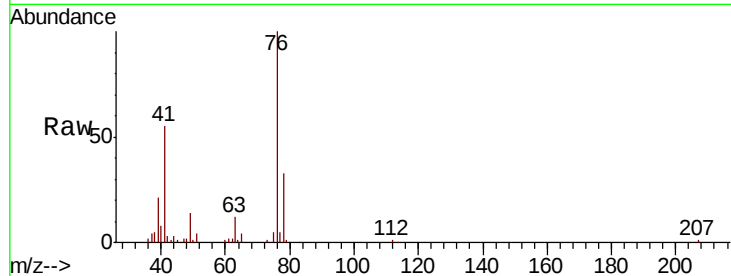




#57
 1,3-Dichloropropane
 Concen: 5.469 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

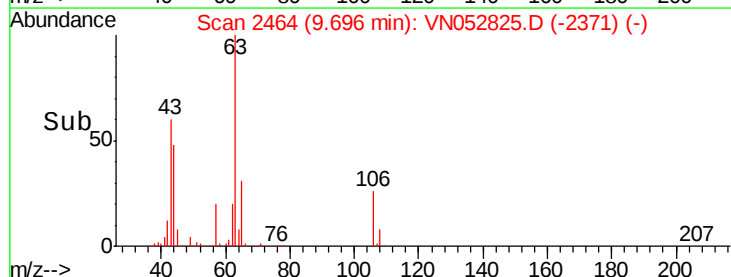
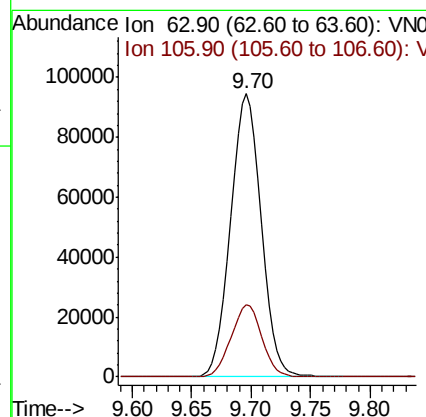
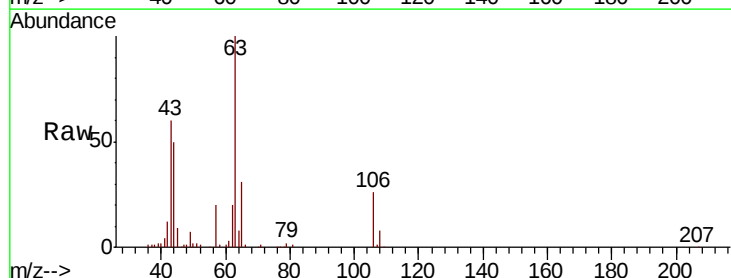
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

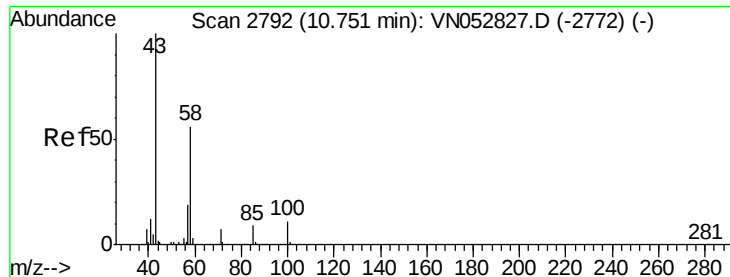
Tgt Ion: 76 Resp: 88001
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.099 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 63 Resp: 168651
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.0 31.6

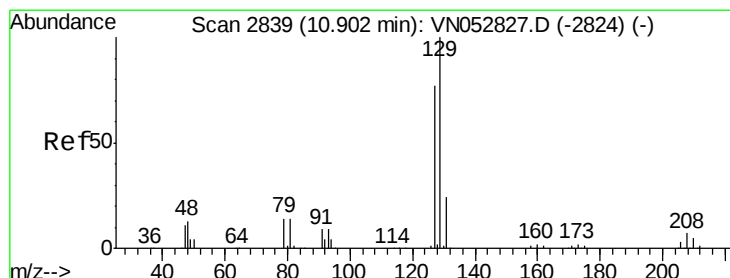
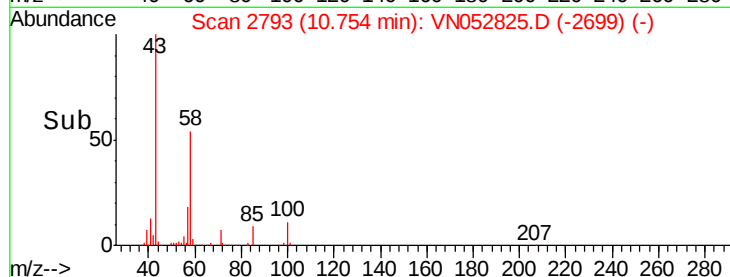
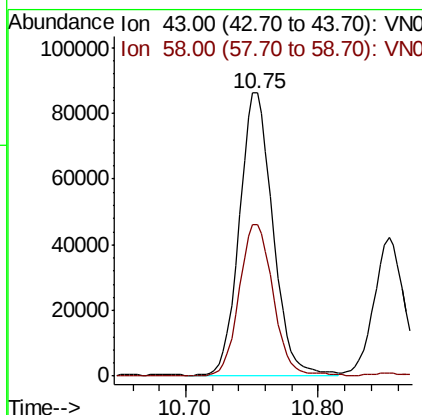
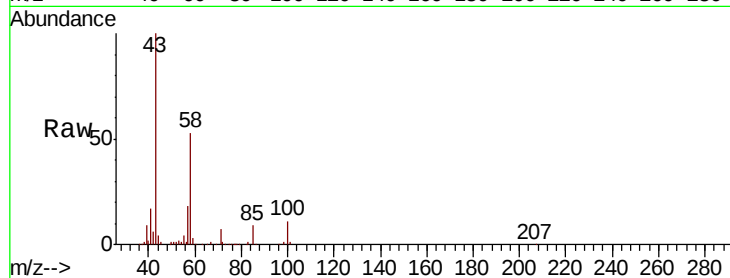




#59
2-Hexanone
Concen: 26.898 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

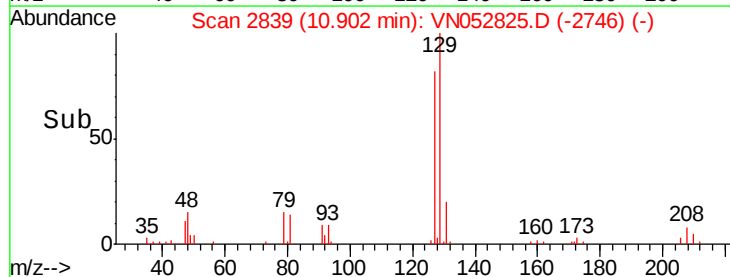
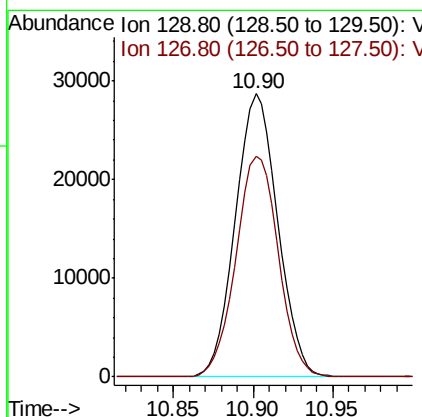
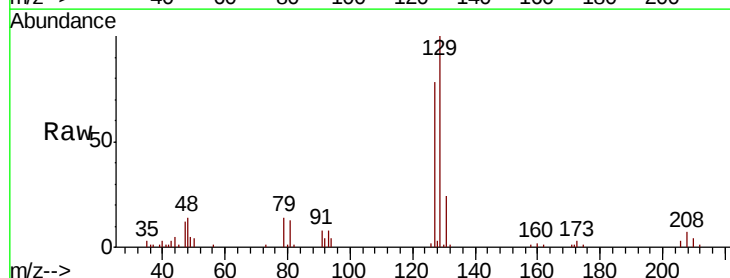
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

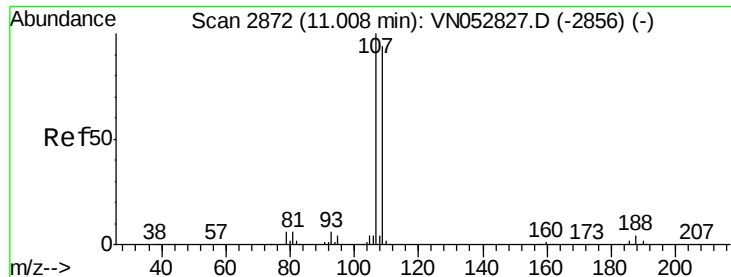
Tgt Ion: 43 Resp: 150550
Ion Ratio Lower Upper
43 100
58 54.8 28.1 84.3



#60
Dibromochloromethane
Concen: 5.107 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 129 Resp: 51788
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0

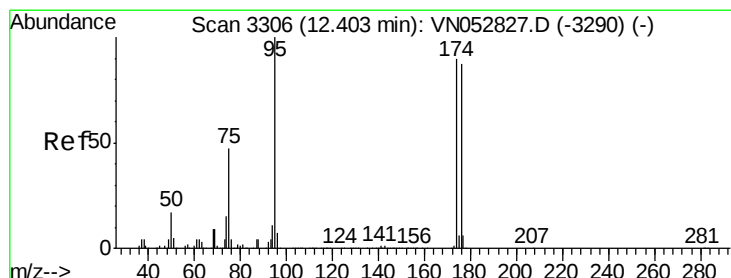
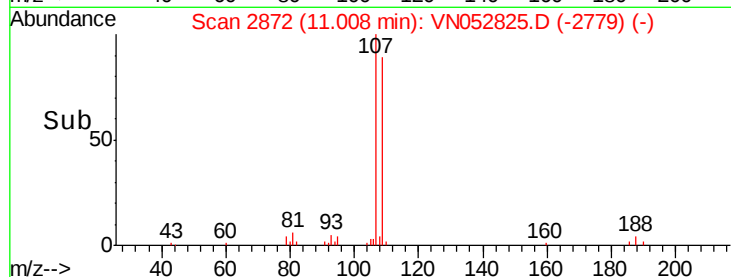
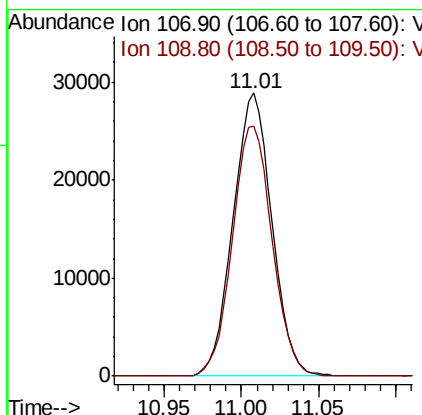
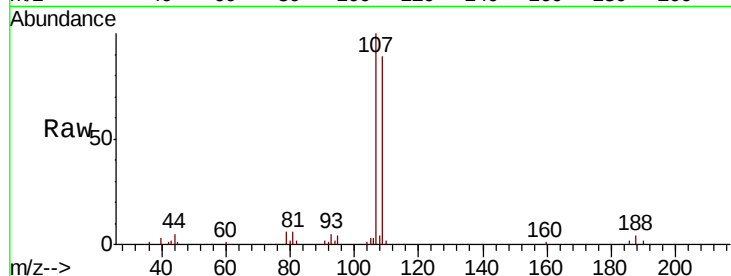




#61
 1,2-Dibromoethane
 Concen: 5.429 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

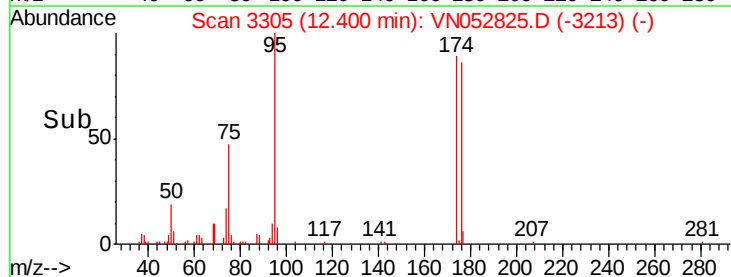
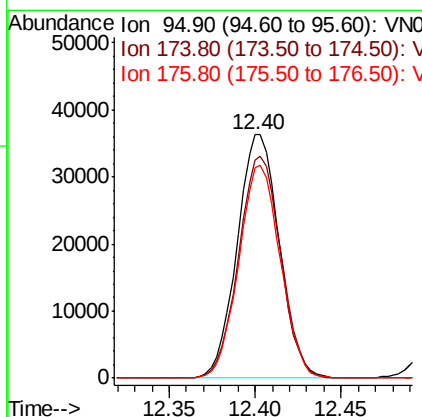
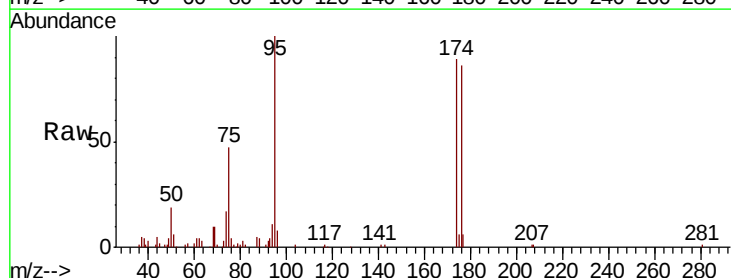
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

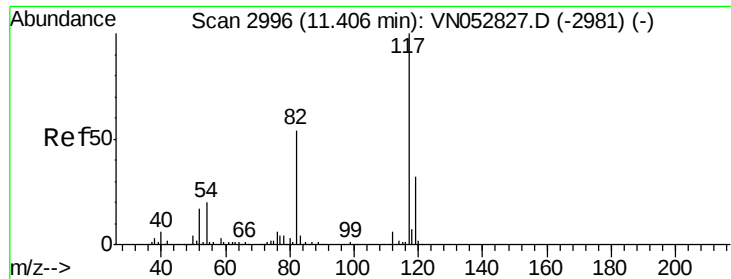
Tgt Ion: 107 Resp: 50357
 Ion Ratio Lower Upper
 107 100
 109 90.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 5.429 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 95 Resp: 61454
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 178.8
 176 86.5 0.0 173.8

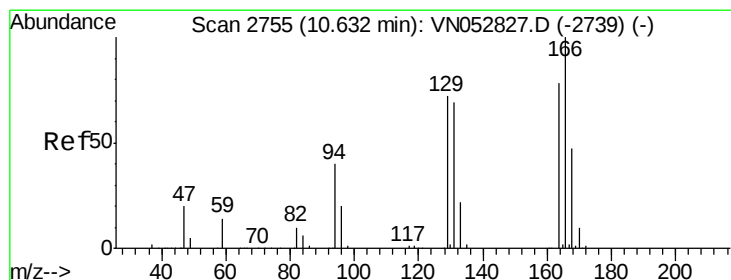
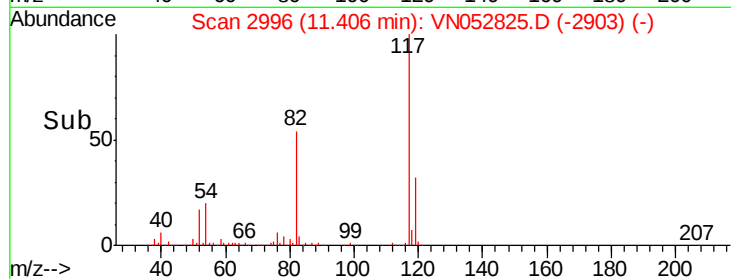
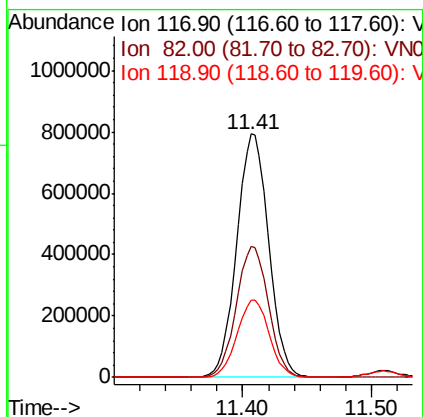
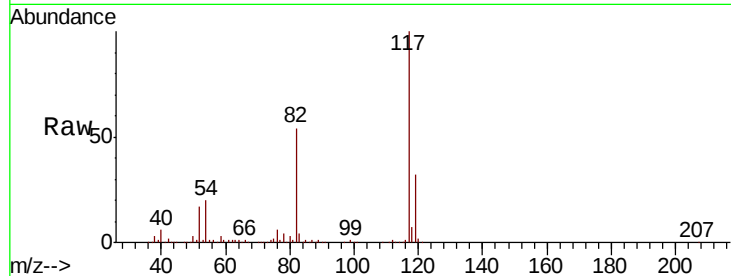




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

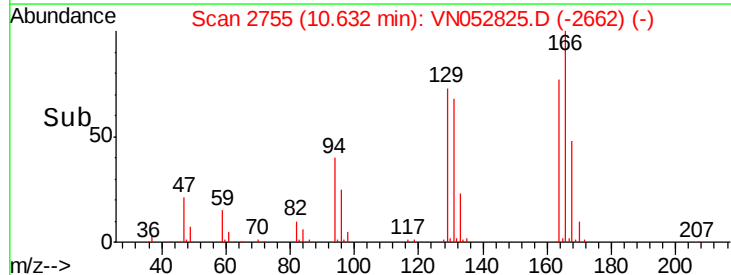
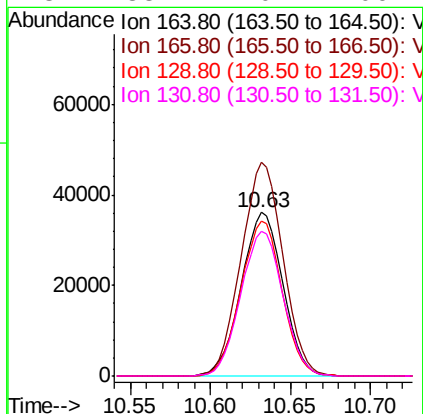
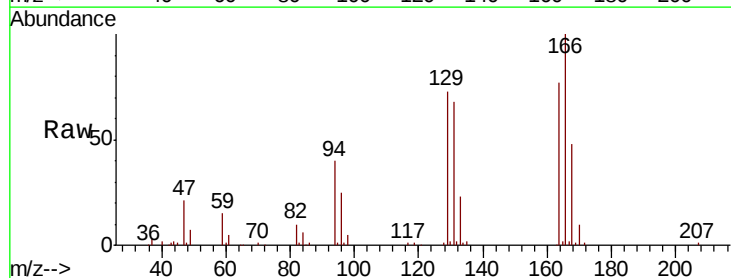
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

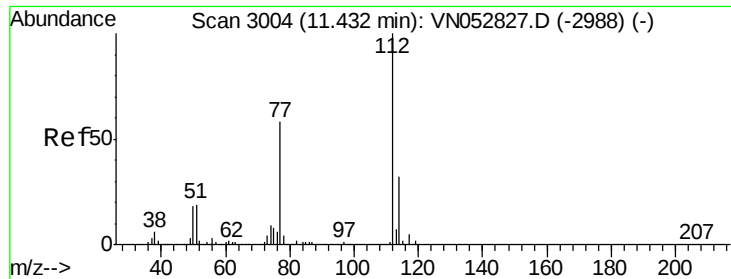
Tgt Ion:117 Resp: 1367573
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 5.489 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion:164 Resp: 64519
Ion Ratio Lower Upper
164 100
166 130.7 102.9 154.3
129 95.1 73.7 110.5
131 88.7 70.7 106.1





#65

Chlorobenzene

Concen: 5.519 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

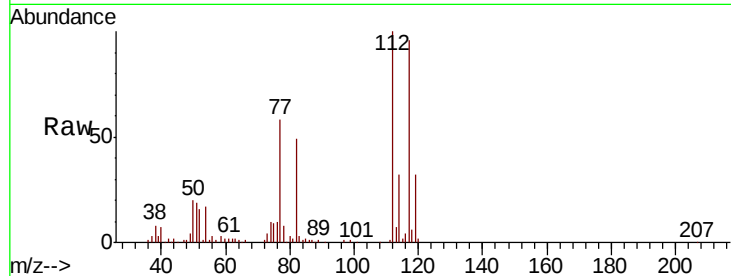
VSTDIC005

Tgt Ion:112 Resp: 156599

Ion Ratio Lower Upper

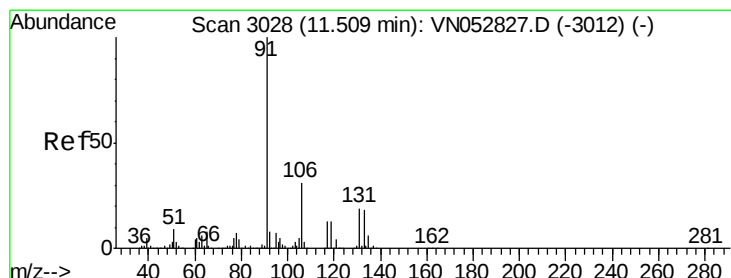
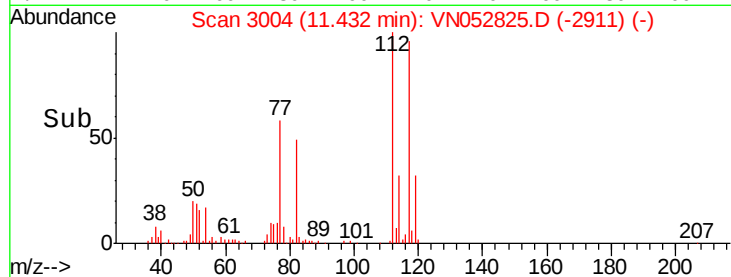
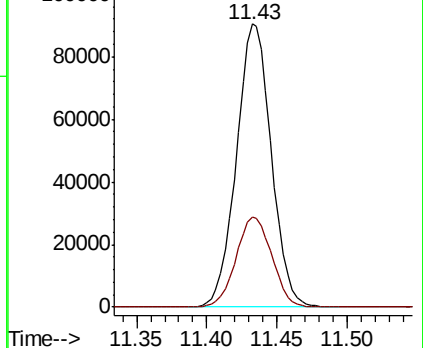
112 100

114 31.9 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.295 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

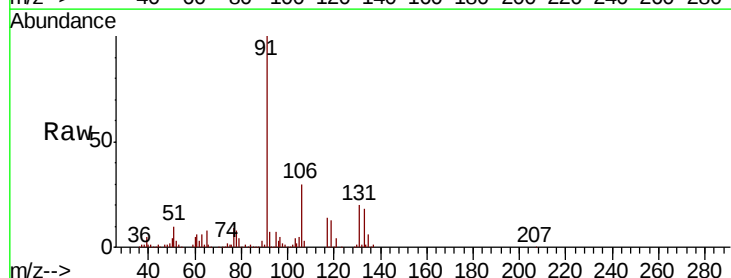
Tgt Ion:131 Resp: 52252

Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.9

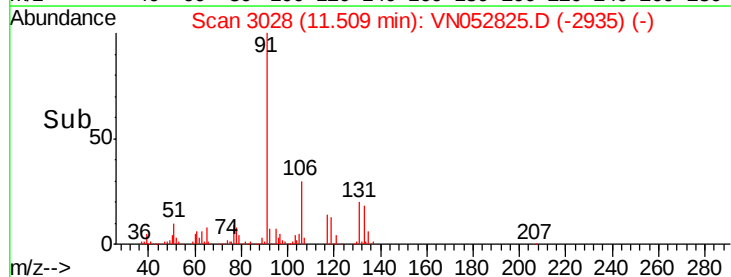
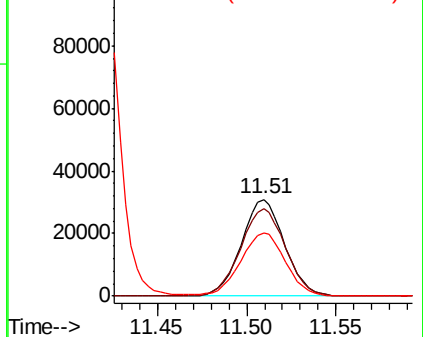
119 68.1 33.3 99.8

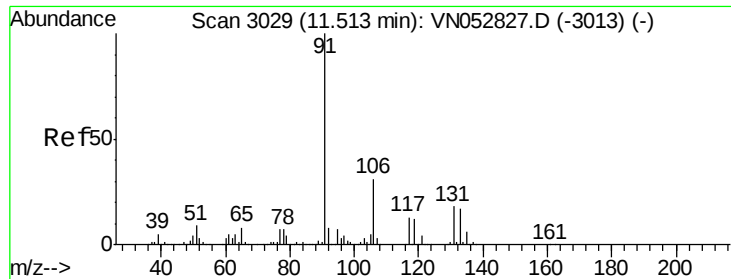


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

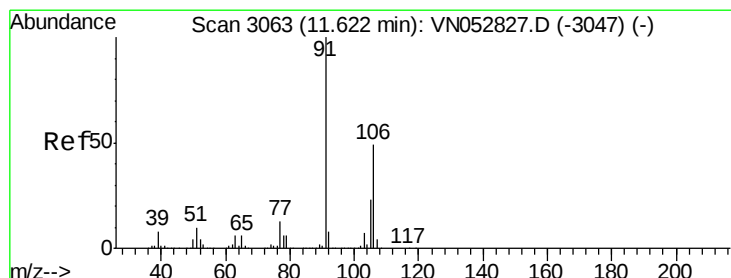
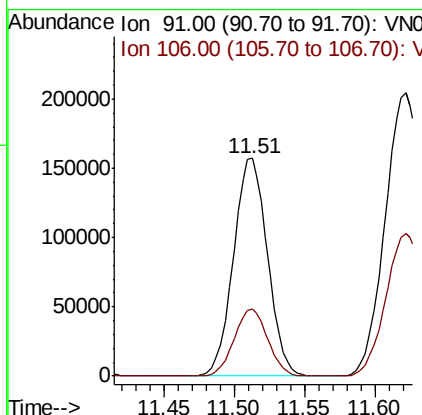
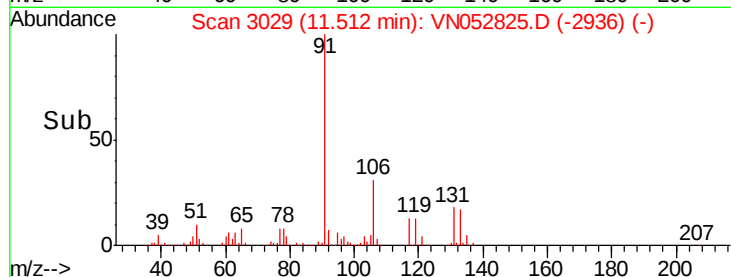
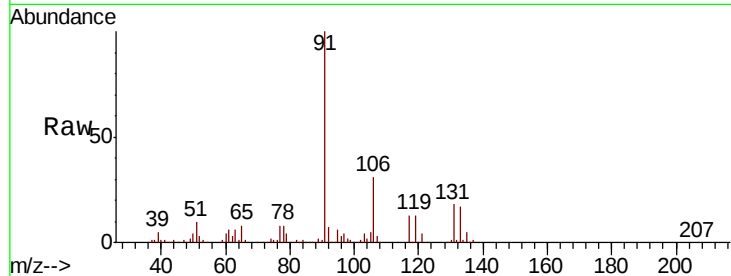




#67
Ethyl Benzene
Concen: 5.451 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

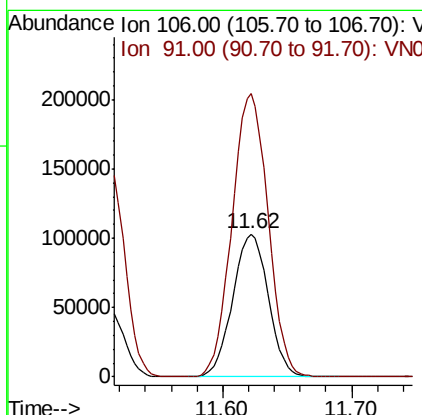
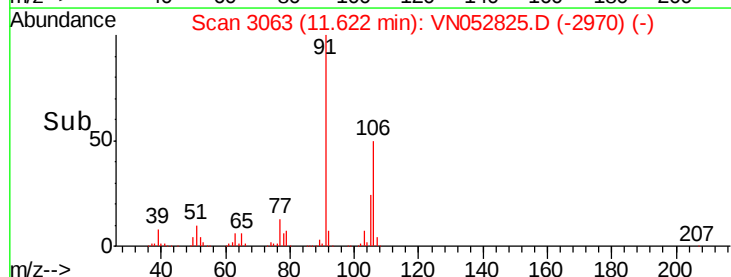
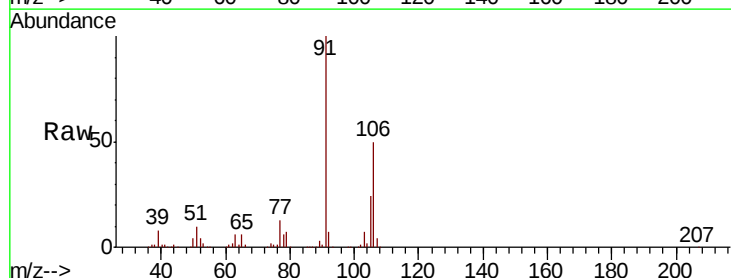
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

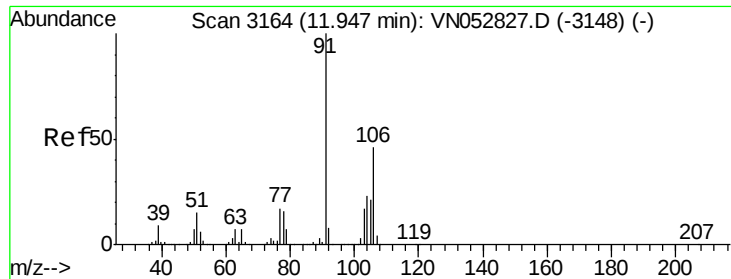
Tgt Ion: 91 Resp: 265579
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 10.790 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 106 Resp: 197409
Ion Ratio Lower Upper
106 100
91 201.0 162.2 243.4

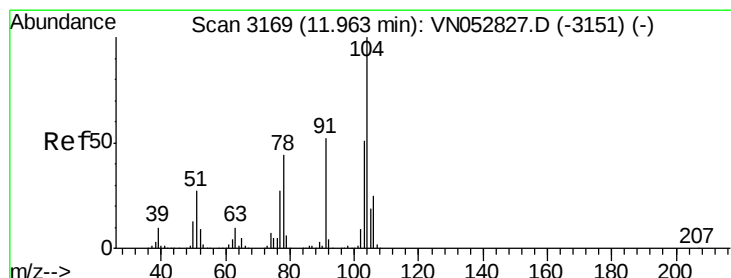
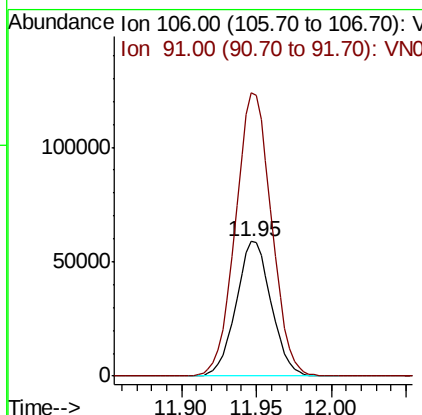
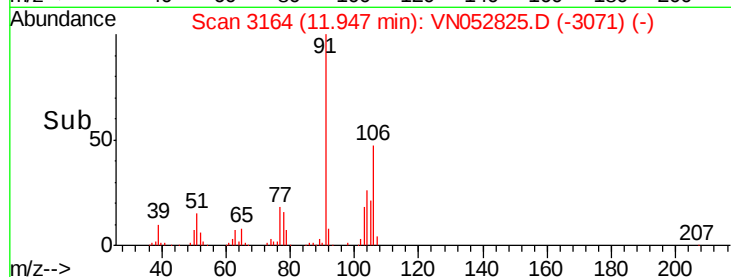
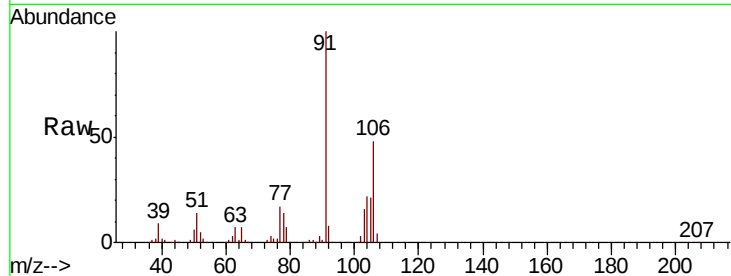




#69
o-Xylene
Concen: 5.386 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

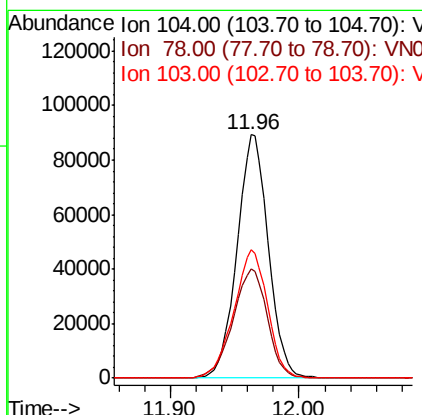
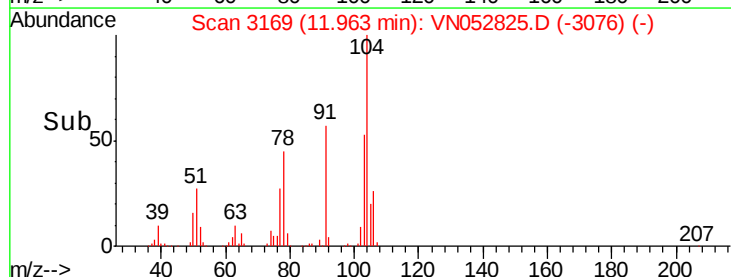
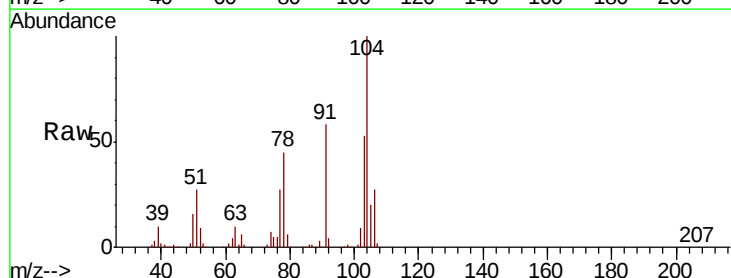
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

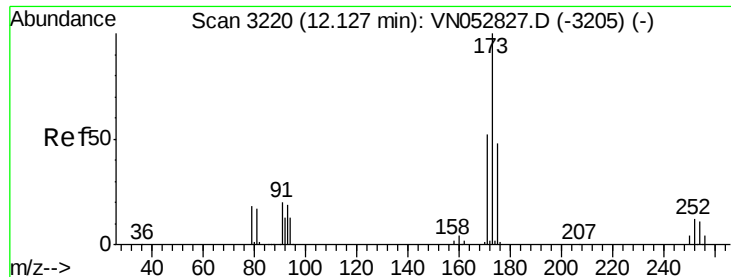
Tgt Ion:106 Resp: 96223
Ion Ratio Lower Upper
106 100
91 215.1 106.6 319.8



#70
Styrene
Concen: 5.243 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion:104 Resp: 150578
Ion Ratio Lower Upper
104 100
78 49.2 38.9 58.3
103 56.7 44.3 66.5

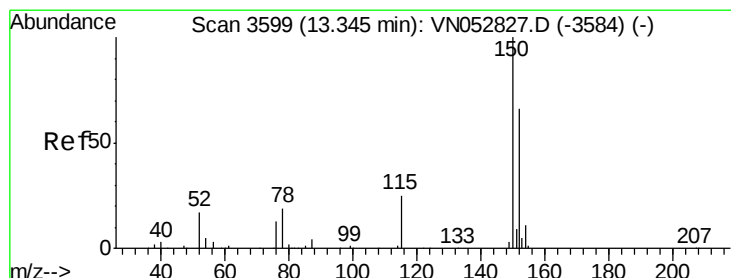
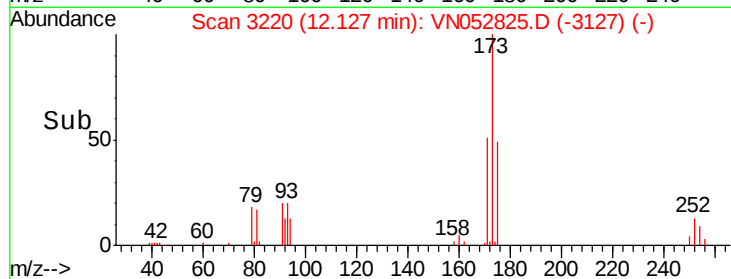
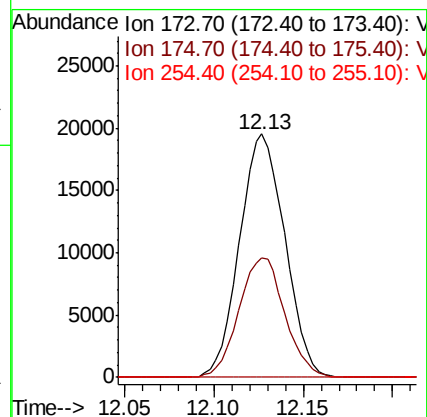
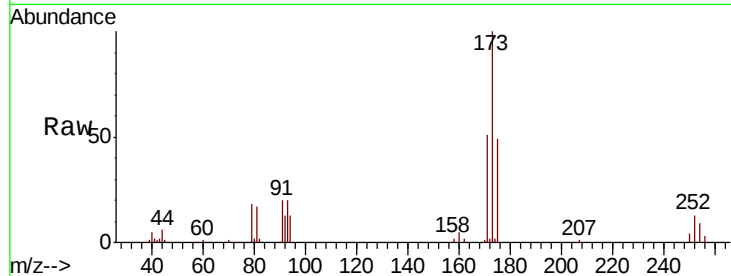




#71
 Bromoform
 Concen: 5.163 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

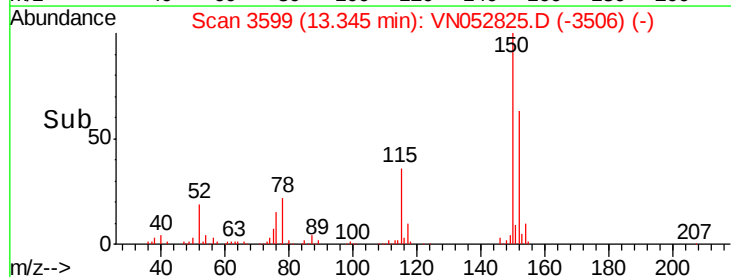
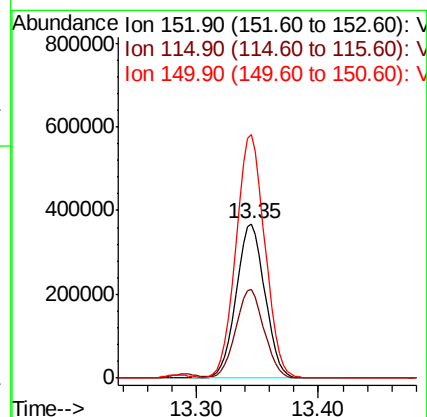
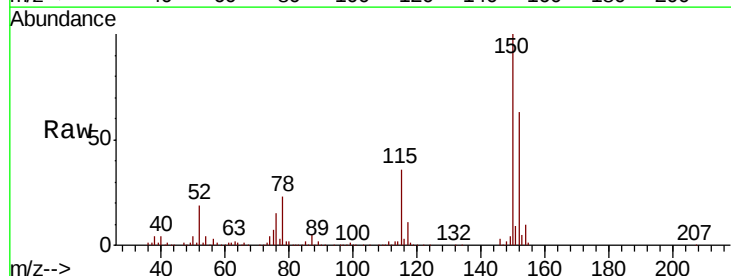
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

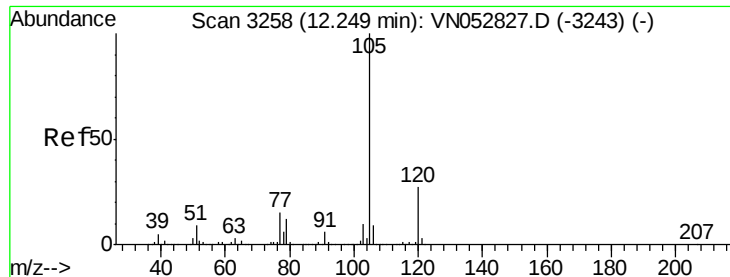
Tgt Ion:173 Resp: 34613
 Ion Ratio Lower Upper
 173 100
 175 49.6 24.3 72.9
 254 0.0 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion:152 Resp: 601216
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.3 85.0
 150 159.0 0.0 347.8





#73

Isopropylbenzene

Concen: 5.590 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

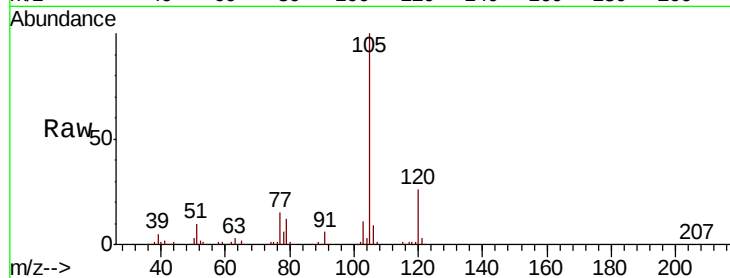
VSTDIC005

Tgt Ion:105 Resp: 250907

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

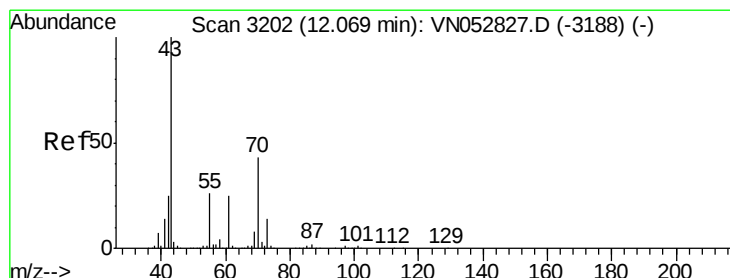
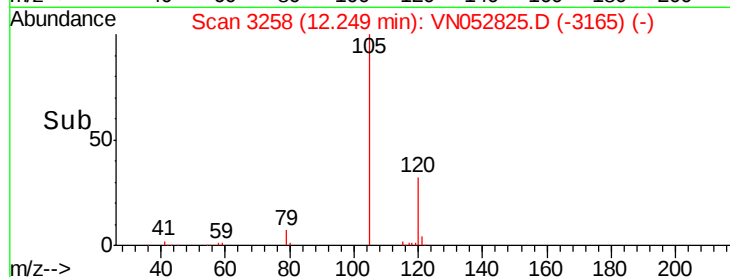
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.161 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Tgt Ion: 43 Resp: 63603

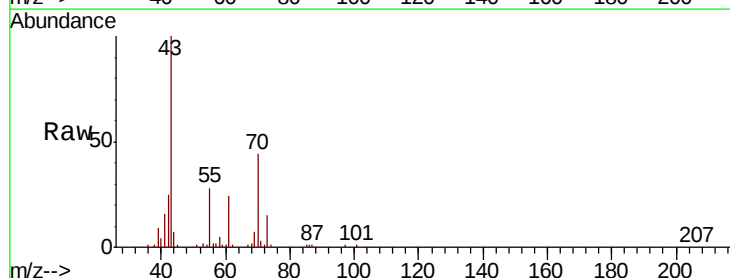
Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 26.8 20.3 30.5

61 24.6 20.0 30.0



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

12.07

60000

50000

40000

30000

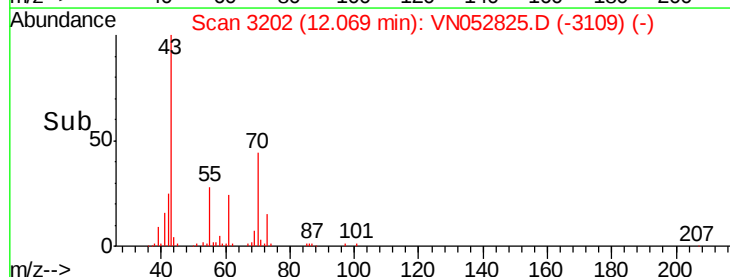
20000

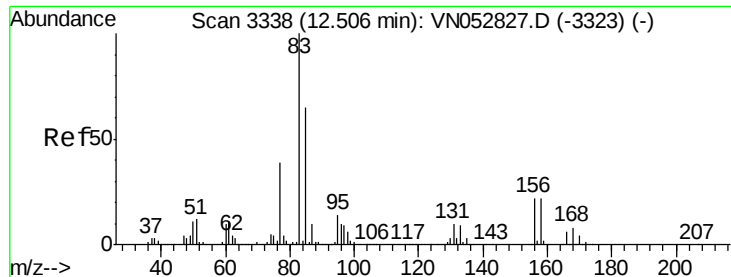
10000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 5.684 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

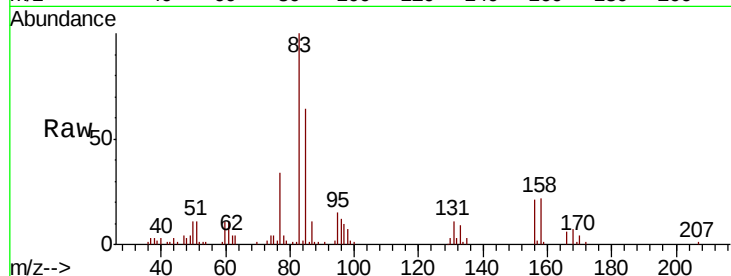
Tgt Ion: 83 Resp: 57179

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

85 63.7 32.4 97.0

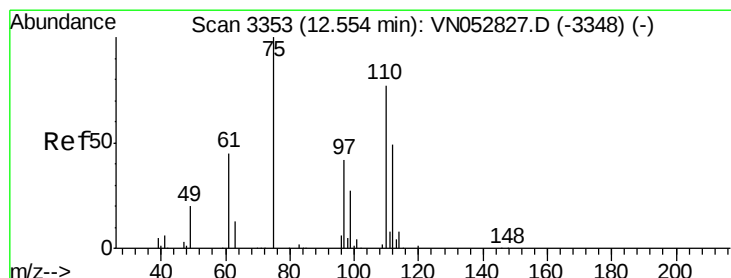
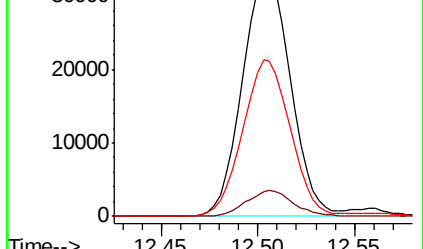
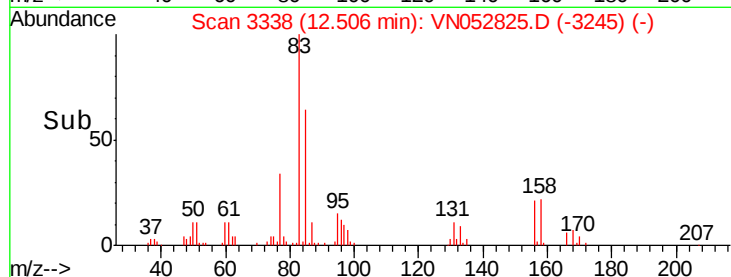


Abundance Ion 82.90 (82.60 to 83.60): VN052825.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052825.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052825.D (-3245) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.283 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052825.D

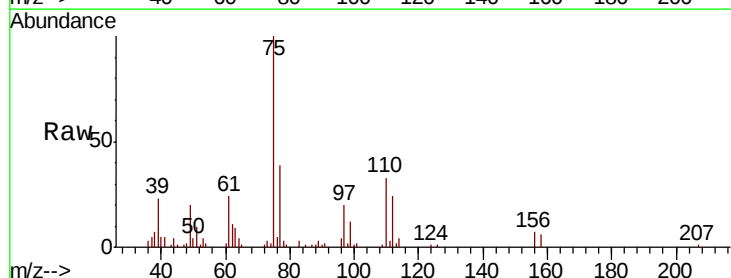
Acq: 12 Dec 2018 14:19

Tgt Ion: 75 Resp: 73027

Ion Ratio Lower Upper

75 100

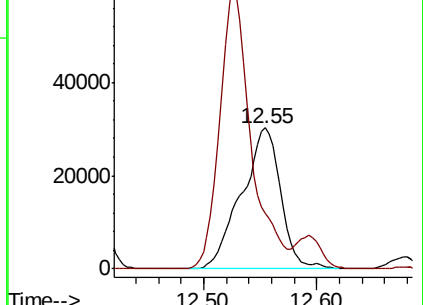
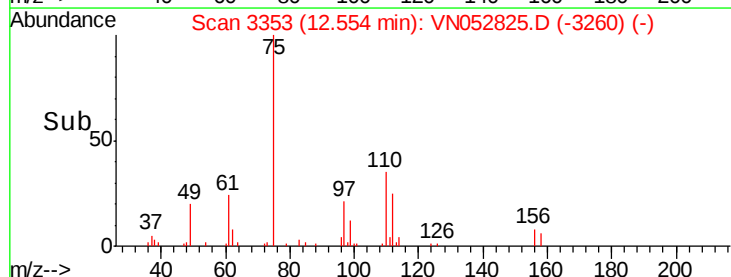
77 0.0 0.0 0.0

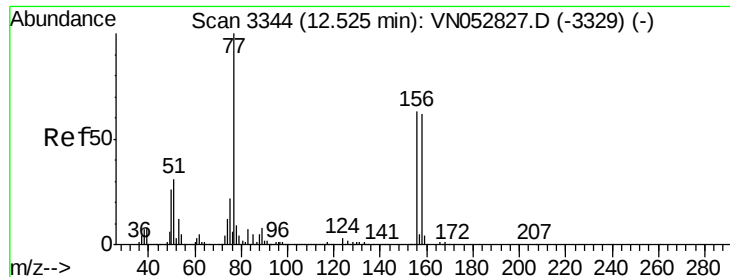


Abundance Ion 74.90 (74.60 to 75.60): VN052825.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052825.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 5.513 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

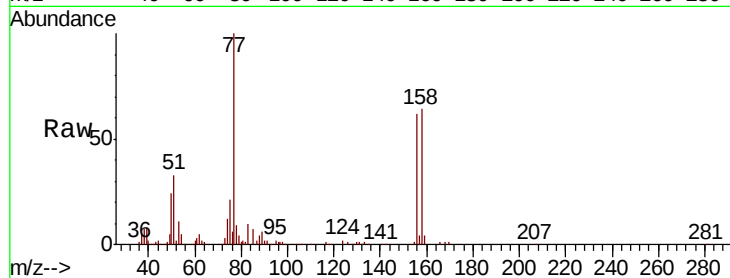
Tgt Ion:156 Resp: 62942

Ion Ratio Lower Upper

156 100

77 183.1 91.3 273.8

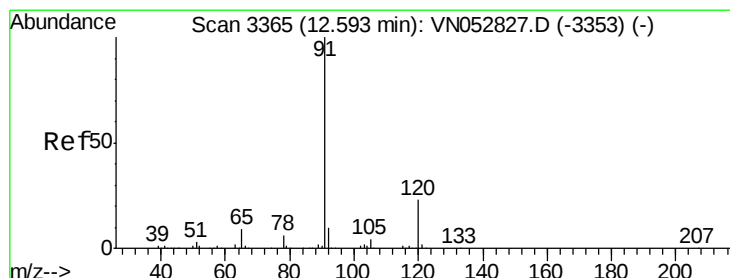
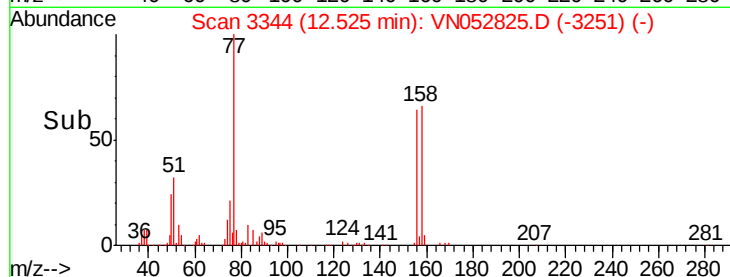
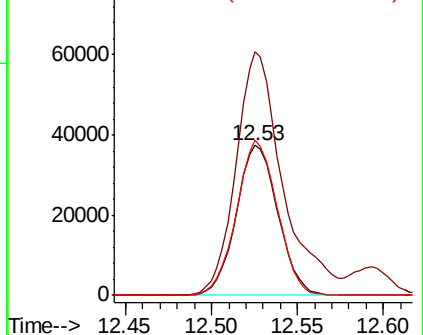
158 101.5 49.0 147.2



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: 5.460 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052825.D

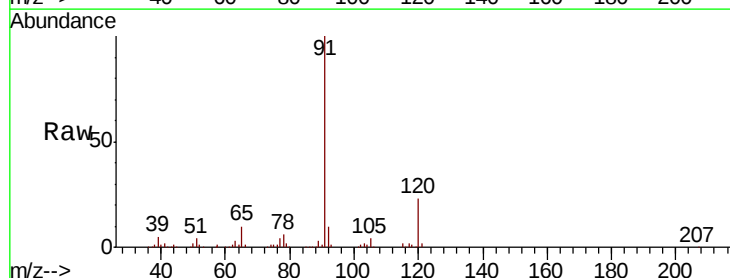
Acq: 12 Dec 2018 14:19

Tgt Ion: 91 Resp: 279533

Ion Ratio Lower Upper

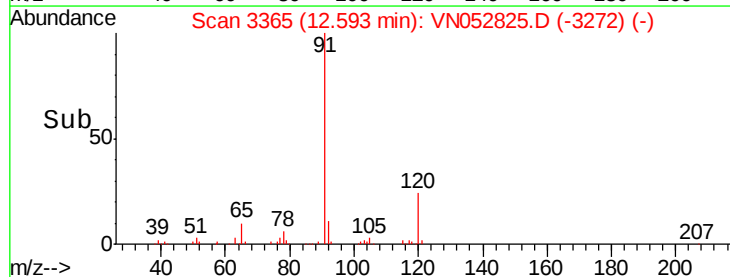
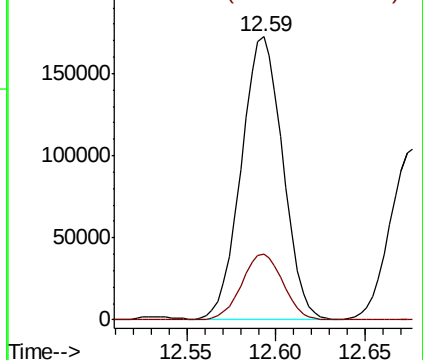
91 100

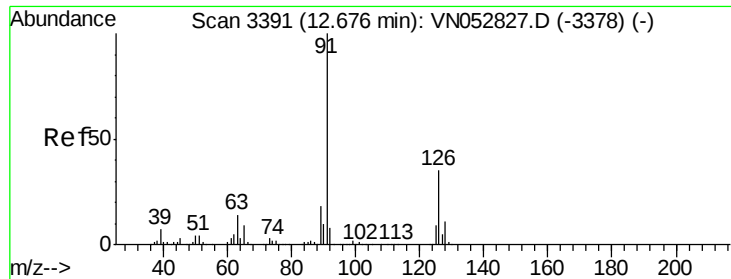
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.647 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

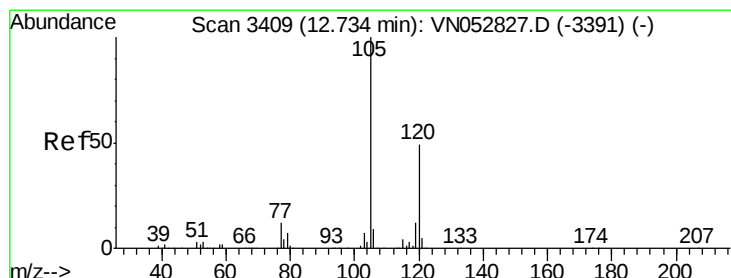
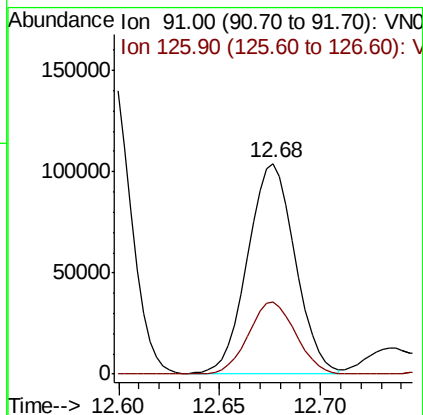
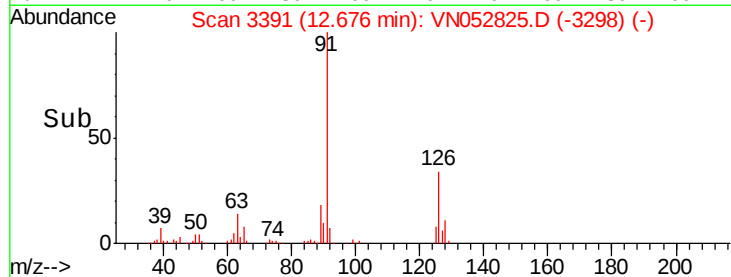
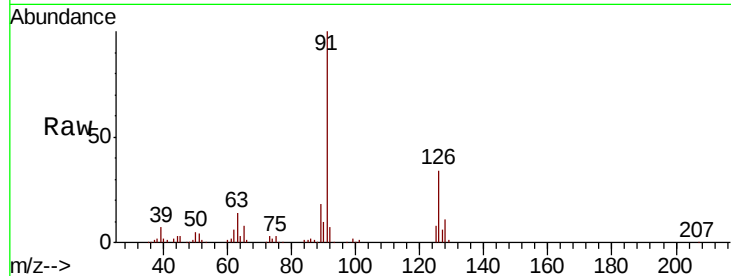
VSTDIC005

Tgt Ion: 91 Resp: 170906

Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 5.619 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052825.D

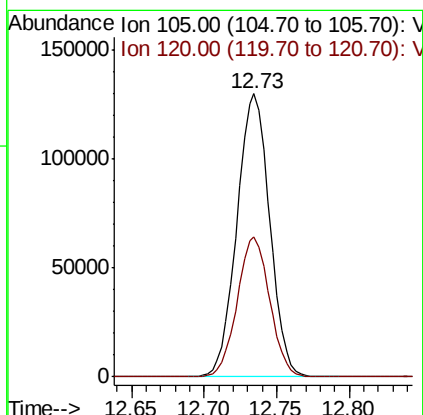
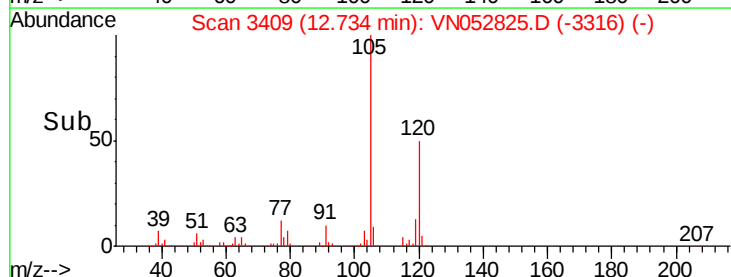
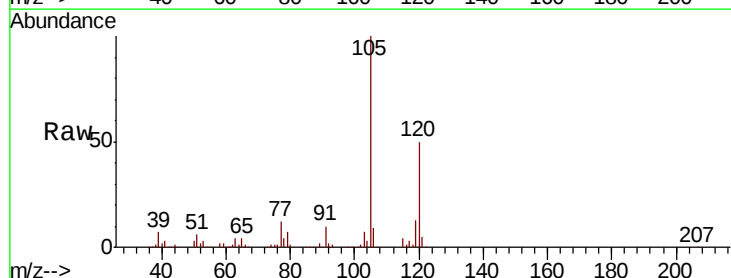
Acq: 12 Dec 2018 14:19

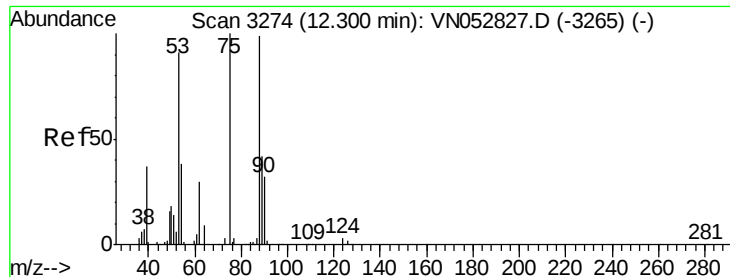
Tgt Ion: 105 Resp: 203609

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.858 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

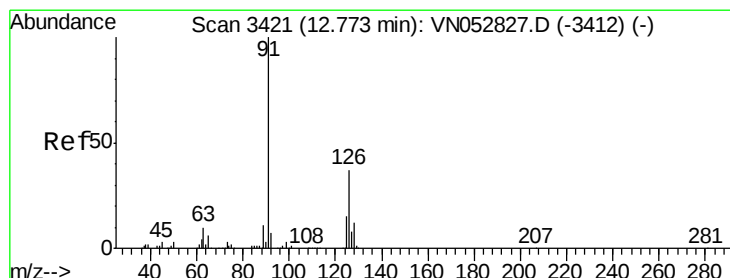
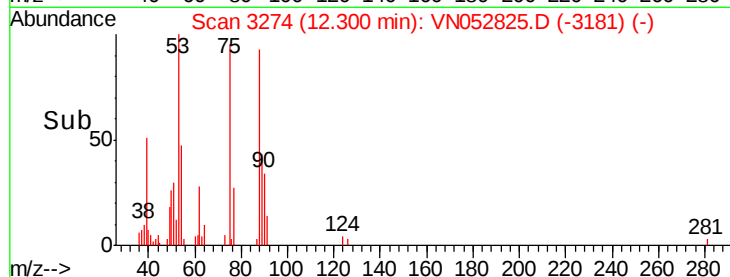
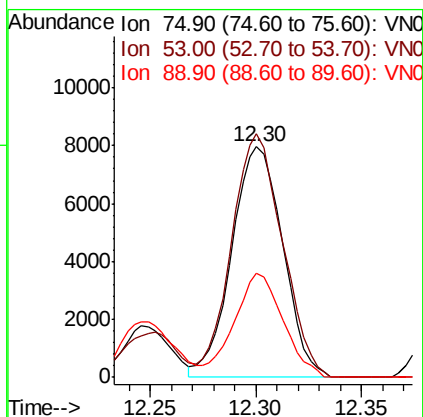
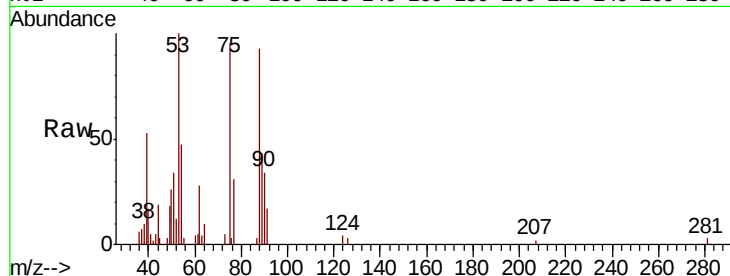
Tgt Ion: 75 Resp: 13414

Ion Ratio Lower Upper

75 100

53 104.7 74.7 112.1

89 42.7 36.1 54.1



#82

4-Chlorotoluene

Concen: 5.570 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052825.D

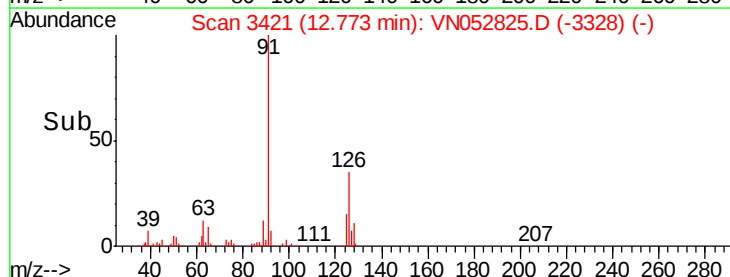
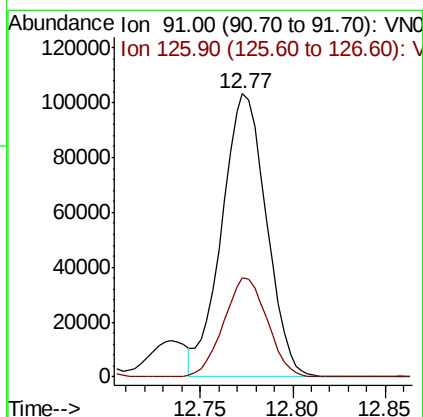
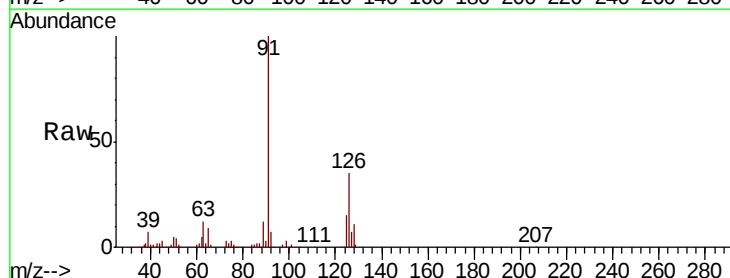
Acq: 12 Dec 2018 14:19

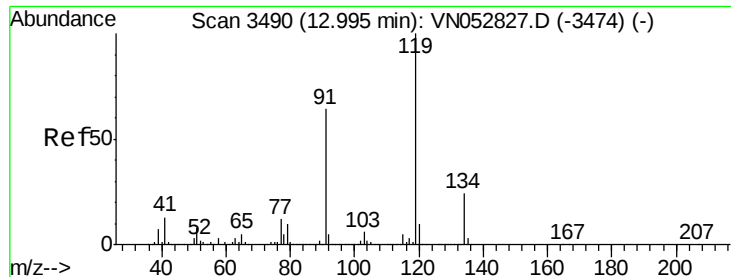
Tgt Ion: 91 Resp: 172349

Ion Ratio Lower Upper

91 100

126 34.1 17.3 51.7

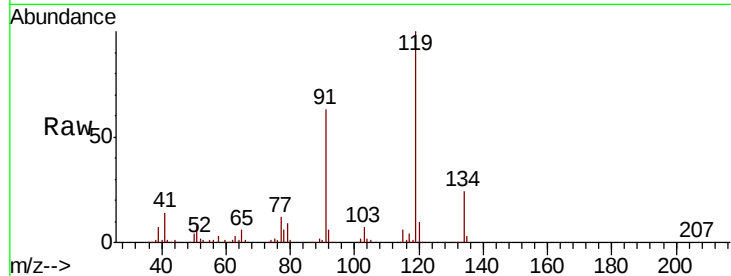




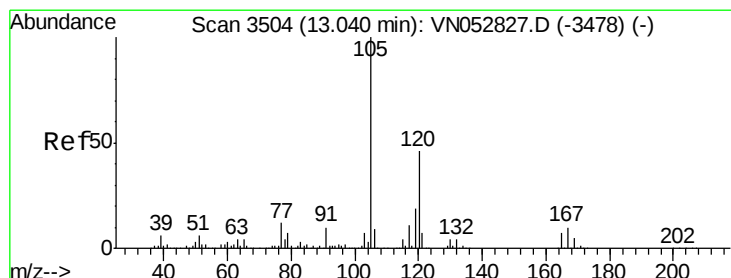
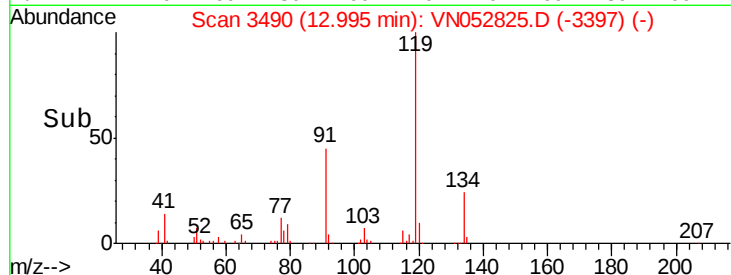
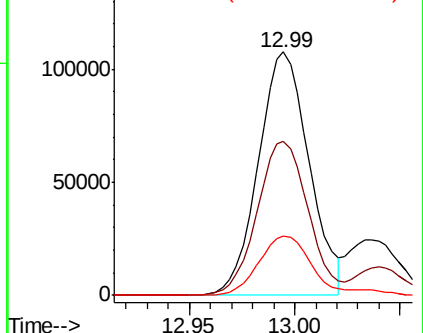
#83
 tert-Butylbenzene
 Concen: 5.638 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:	119	Resp:	180207
Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.9	95.5
134	26.5	12.8	38.4

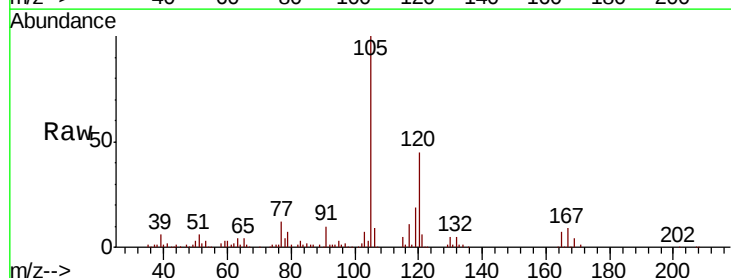


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

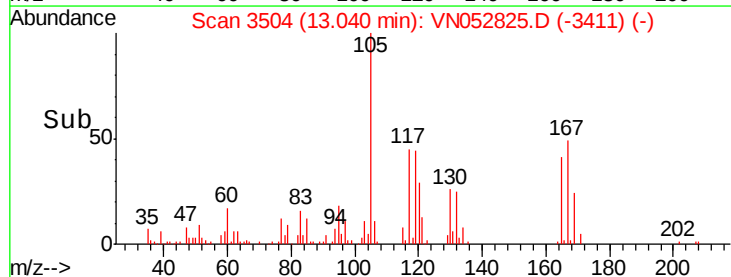
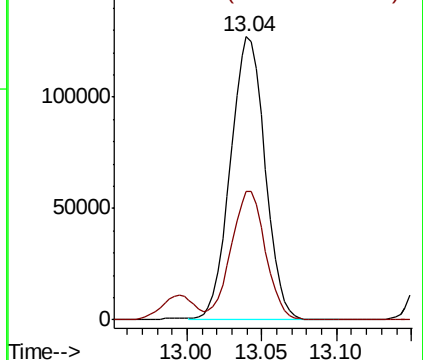


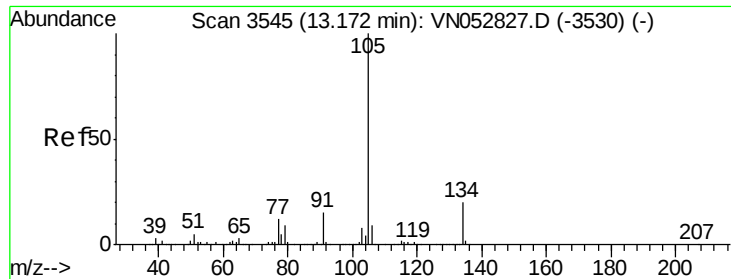
#84
 1,2,4-Trimethylbenzene
 Concen: 5.576 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion:	105	Resp:	204555
Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.515 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

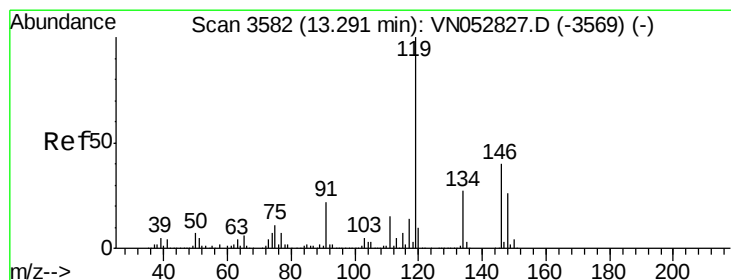
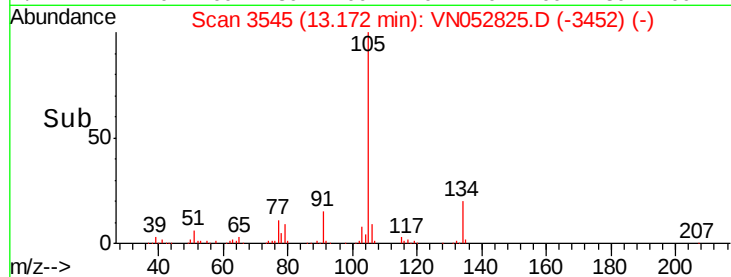
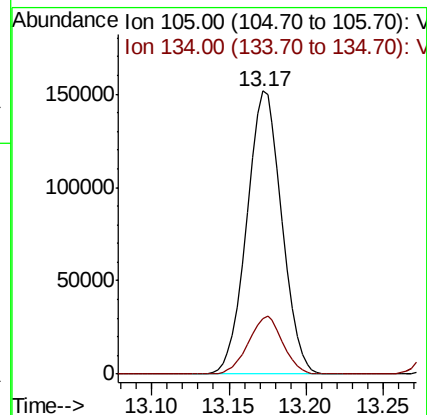
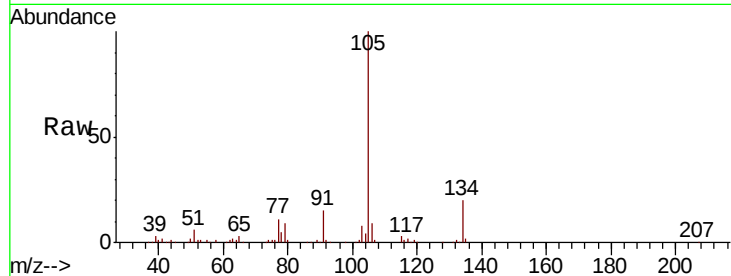
VSTDIC005

Tgt Ion:105 Resp: 238723

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.3



#86

p-Isopropyltoluene

Concen: 5.545 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052825.D

Acq: 12 Dec 2018 14:19

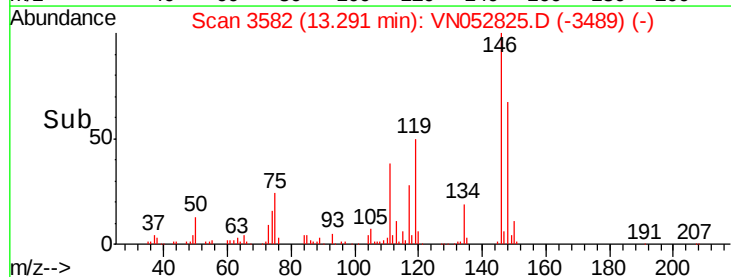
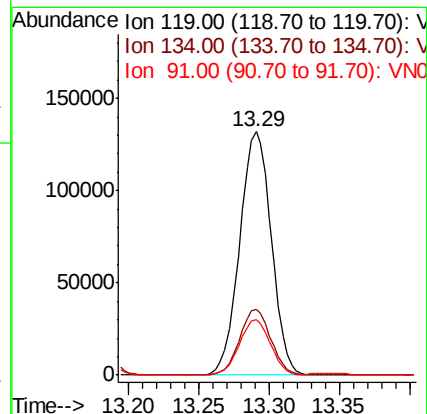
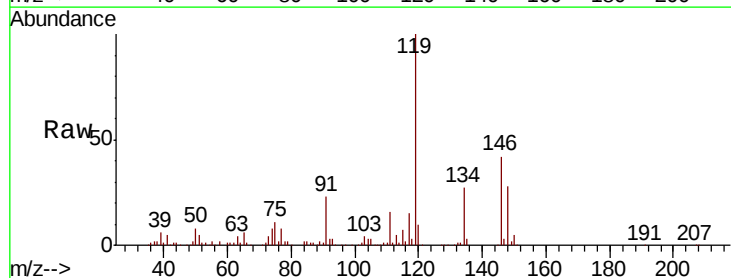
Tgt Ion:119 Resp: 207954

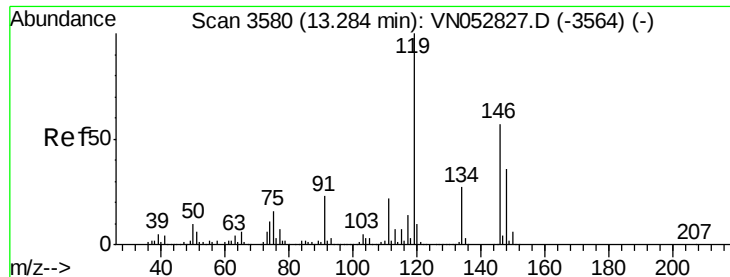
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.4 11.1 33.3

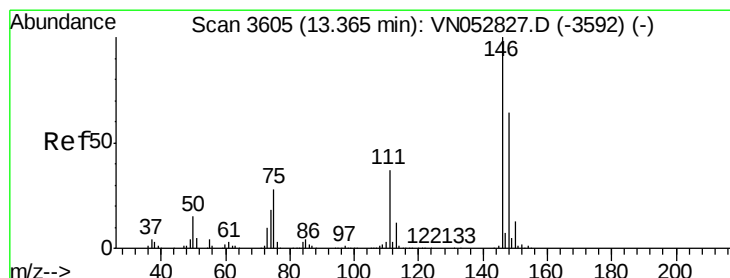
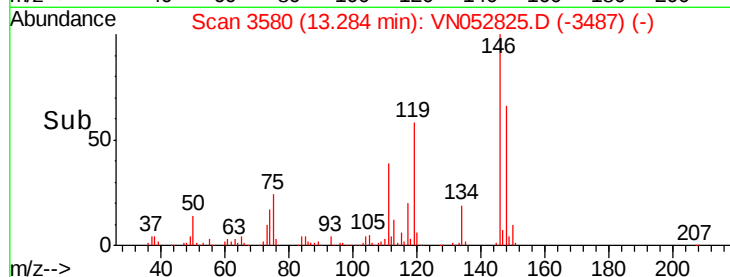
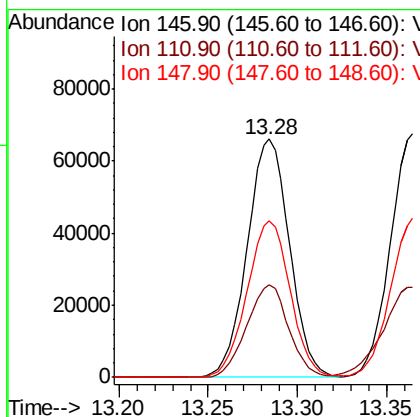
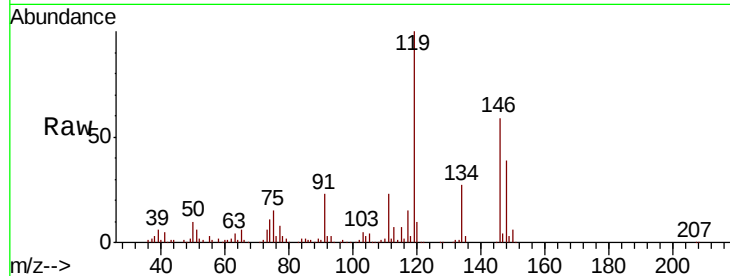




#87
 1,3-Dichlorobenzene
 Concen: 5.403 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

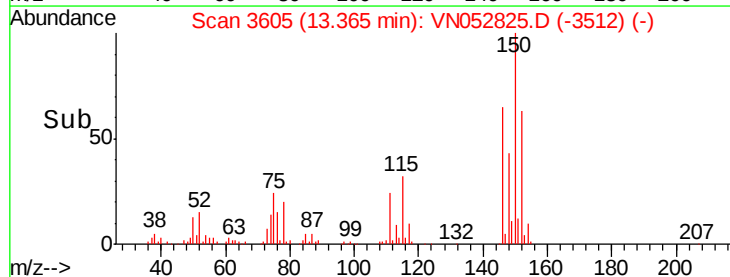
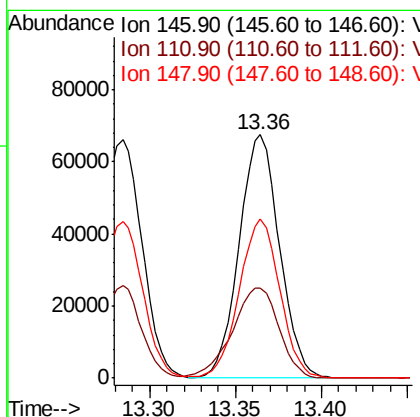
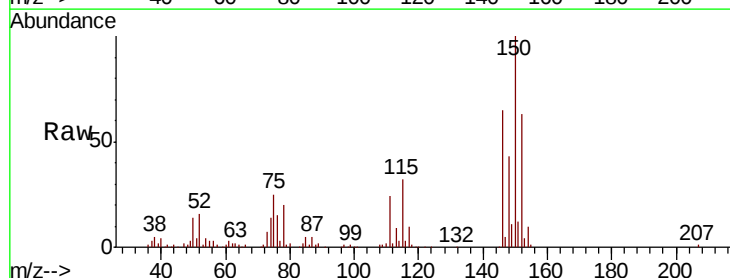
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

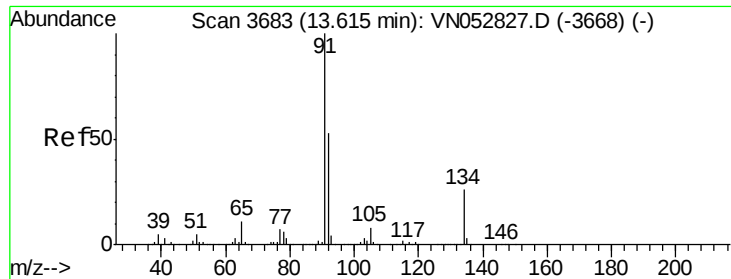
Tgt Ion:146 Resp: 109614
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.1
 148 67.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 5.494 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion:146 Resp: 110396
 Ion Ratio Lower Upper
 146 100
 111 42.9 18.6 55.8
 148 65.7 32.1 96.5

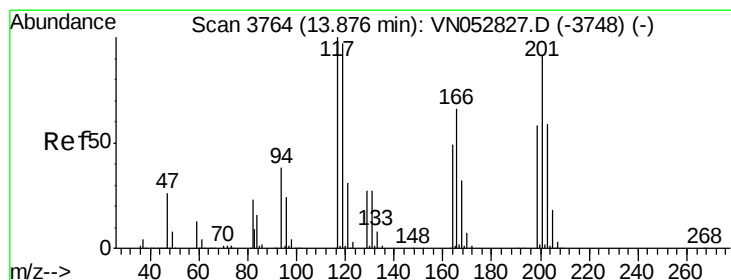
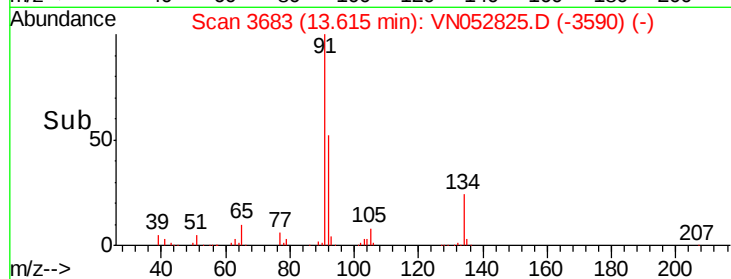
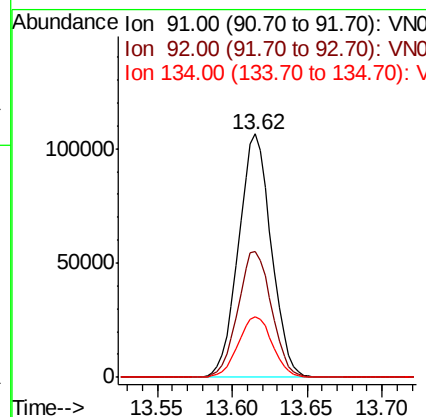
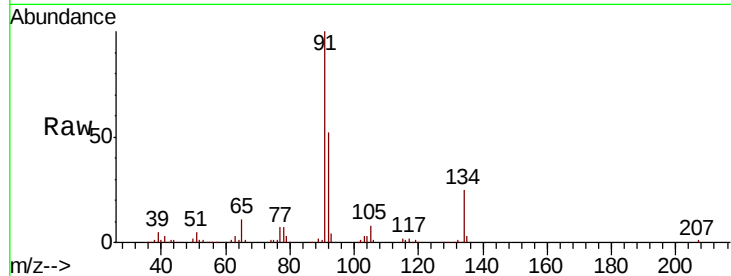




#89
n-Butylbenzene
Concen: 5.136 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

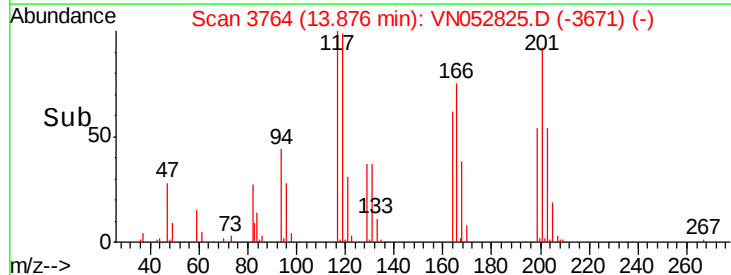
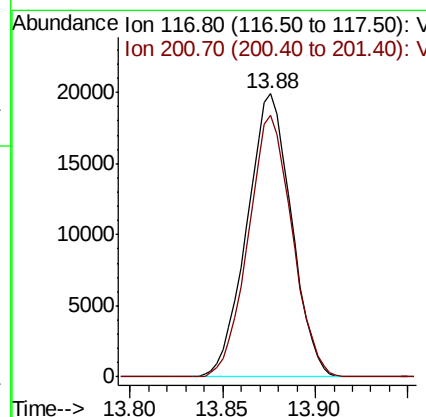
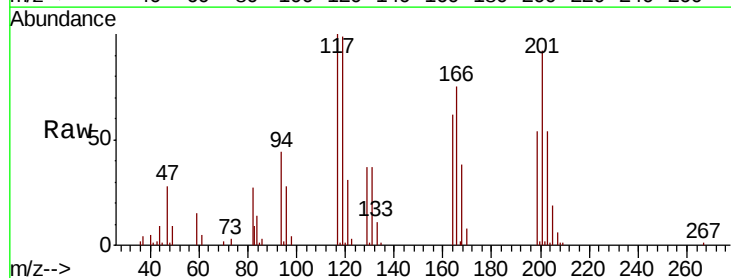
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

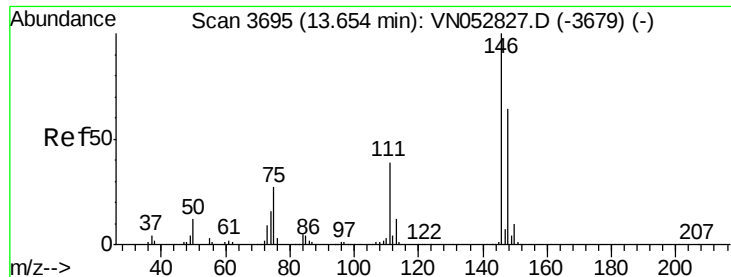
Tgt Ion: 91 Resp: 162157
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 26.0 13.3 39.8



#90
Hexachloroethane
Concen: 5.275 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion: 117 Resp: 33129
Ion Ratio Lower Upper
117 100
201 91.2 45.7 137.1

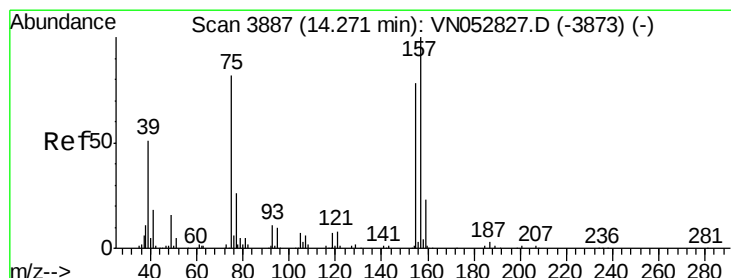
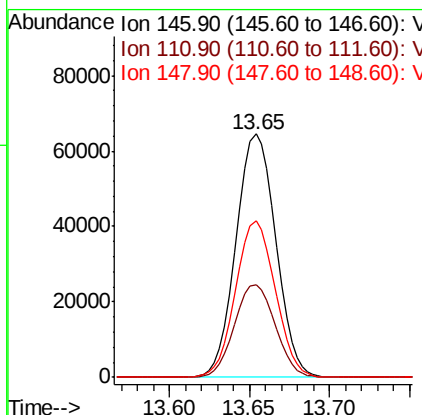
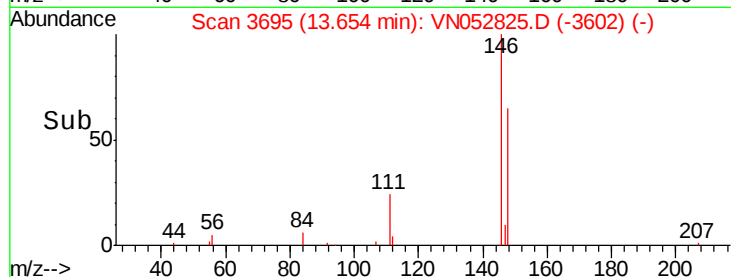
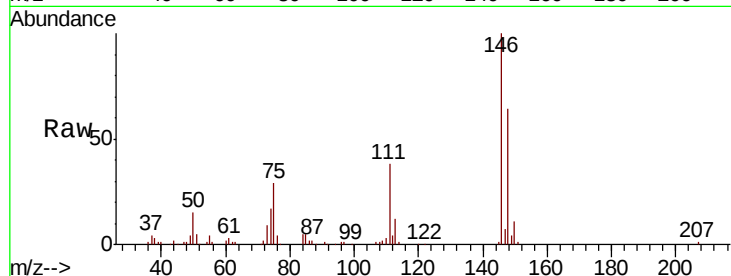




#91
 1,2-Dichlorobenzene
 Concen: 5.615 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

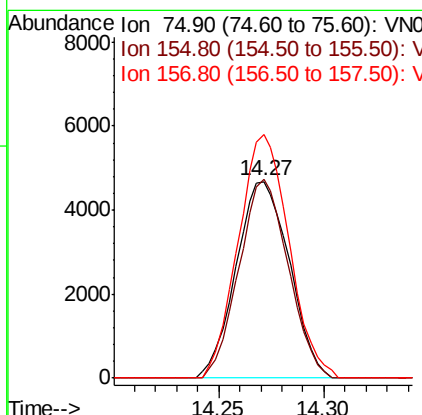
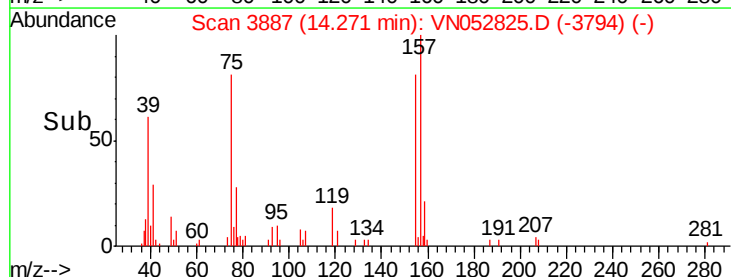
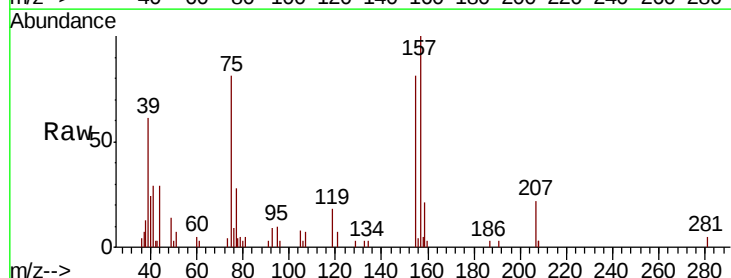
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

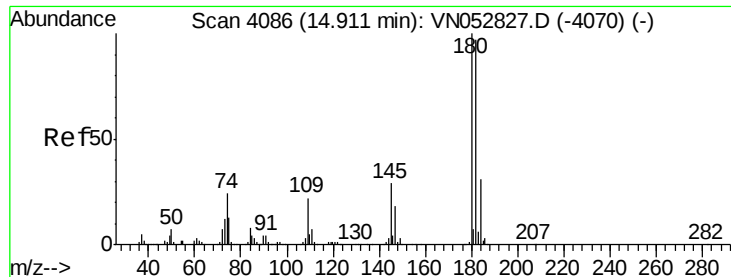
Tgt Ion:146 Resp: 109585
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.7 59.0
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.405 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion: 75 Resp: 8197
 Ion Ratio Lower Upper
 75 100
 155 93.5 48.2 144.6
 157 118.2 61.2 183.5

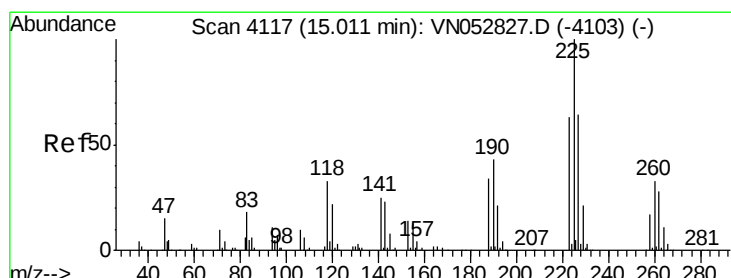
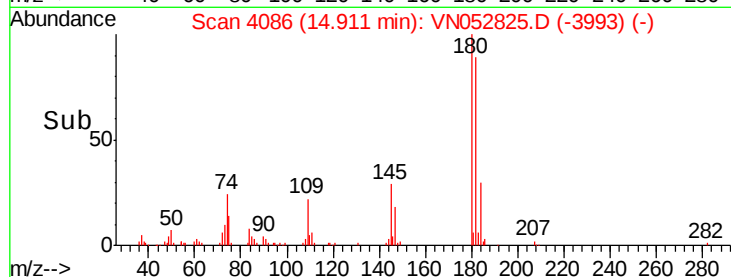
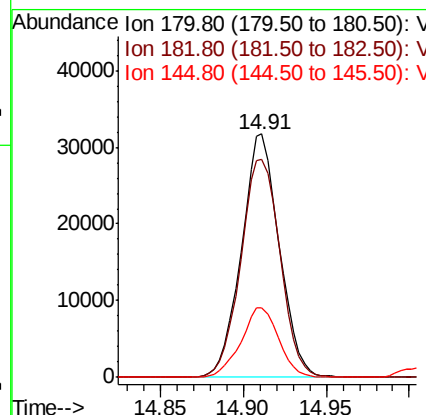
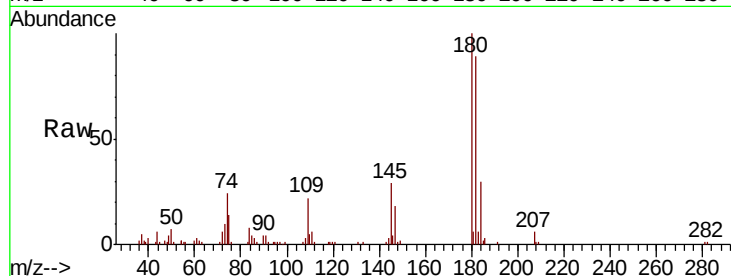




#93
 1,2,4-Trichlorobenzene
 Concen: 4.730 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

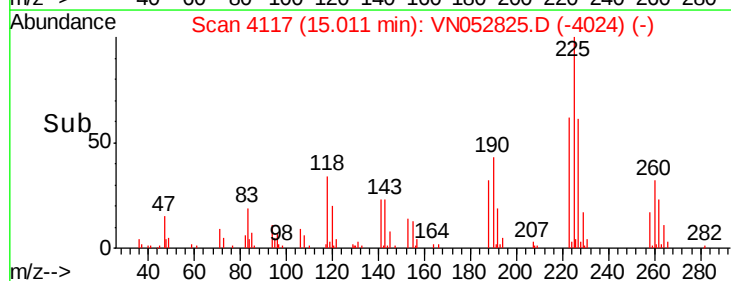
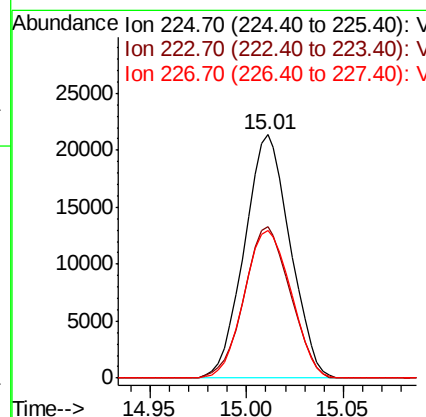
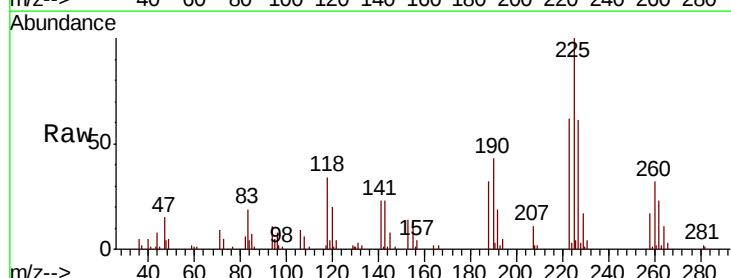
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

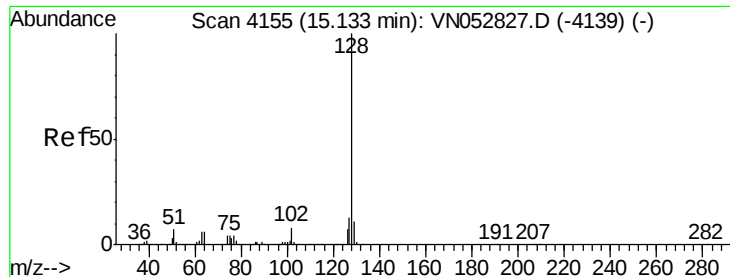
Tgt Ion:180 Resp: 50180
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.3
 145 28.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 5.708 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052825.D
 Acq: 12 Dec 2018 14:19

Tgt Ion:225 Resp: 35049
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 62.5 31.9 95.7

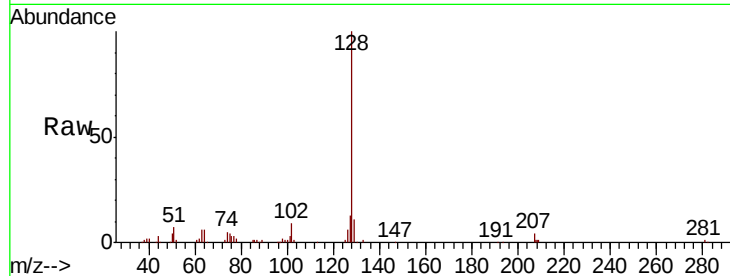




#95
Naphthalene
Concen: 4.599 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.6	13.0

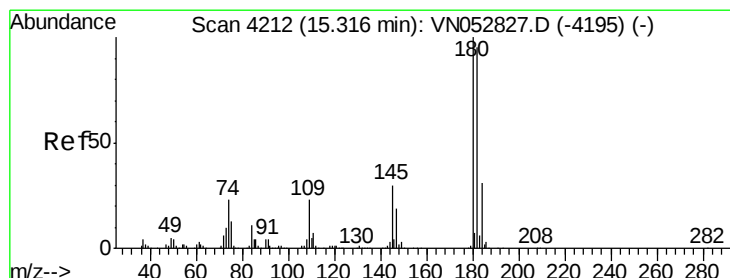
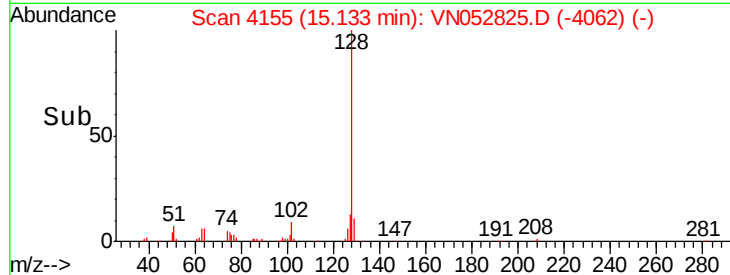
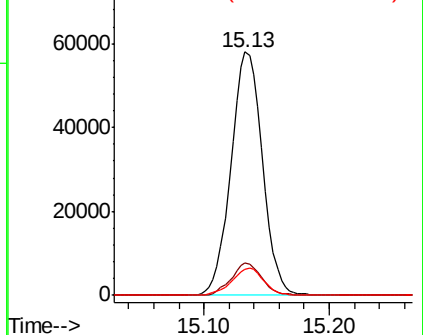


Abundance

Ion 128.00 (127.70 to 128.70): V

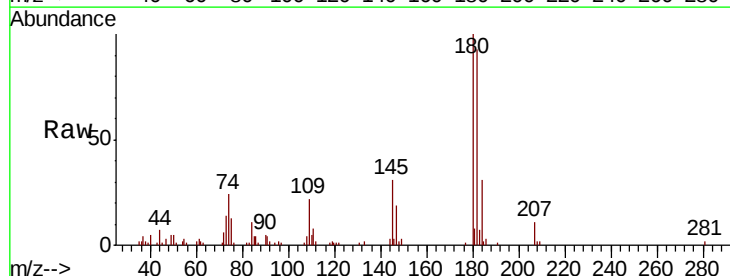
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.656 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN052825.D
Acq: 12 Dec 2018 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.1	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

