

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056327.D
 Acq On : 17 Jun 2019 9:14
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 18 04:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	365014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	549455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144874	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	20727	4.16	ug/l	0.00
Spiked Amount			Recovery	=	8.32%	
35) Dibromofluoromethane	7.59	113	16510	3.66	ug/l	0.00
Spiked Amount			Recovery	=	7.32%	
50) Toluene-d8	10.09	98	63256	3.65	ug/l	0.00
Spiked Amount			Recovery	=	7.30%	
62) 4-Bromofluorobenzene	12.40	95	18004	3.04	ug/l	0.00
Spiked Amount			Recovery	=	6.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	14043	3.349	ug/l	98
3) Chloromethane	2.06	50	20004	3.933	ug/l	96
4) Vinyl Chloride	2.18	62	20067	3.956	ug/l	97
5) Bromomethane	2.53	94	12677m	4.064	ug/l	
6) Chloroethane	2.68	64	11998	4.087	ug/l	90
7) Trichlorofluoromethane	3.01	101	27565	4.252	ug/l	100
8) Diethyl Ether	3.40	74	10765	4.102	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.74	101	17544	4.399	ug/l	100
10) Methyl Iodide	3.94	142	18048	2.920	ug/l	98
11) Tert butyl alcohol	4.82	59	15025	17.653	ug/l	98
12) 1,1-Dichloroethene	3.73	96	16900	4.248	ug/l	93
13) Acrolein	3.60	56	3123	13.078	ug/l	100
14) Allyl chloride	4.31	41	26530	4.036	ug/l	97
15) Acrylonitrile	4.99	53	43127	20.385	ug/l	97
16) Acetone	3.82	43	52098	21.082	ug/l	97
17) Carbon Disulfide	4.04	76	41694	4.090	ug/l	95
18) Methyl Acetate	4.33	43	25385	5.126	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	50316	3.978	ug/l	100
20) Methylene Chloride	4.55	84	19920	4.256	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	17779	4.144	ug/l	95
22) Diisopropyl ether	5.95	45	53999	4.060	ug/l	# 89
23) Vinyl Acetate	5.90	43	205746	19.148	ug/l	99
24) 1,1-Dichloroethane	5.85	63	32786	4.273	ug/l	96
25) 2-Butanone	6.85	43	63467	20.461	ug/l	98
26) 2,2-Dichloropropane	6.82	77	23152	4.032	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	20486	4.086	ug/l	97
28) Bromochloromethane	7.19	49	15265	4.105	ug/l	98
29) Tetrahydrofuran	7.22	42	39485	21.153	ug/l	96
30) Chloroform	7.37	83	32510	4.245	ug/l	100
31) Cyclohexane	7.65	56	34188	4.370	ug/l	# 76
32) 1,1,1-Trichloroethane	7.57	97	26492	4.146	ug/l	98
36) 1,1-Dichloropropene	7.79	75	23794	3.910	ug/l	97
37) Ethyl Acetate	6.94	43	21762	3.810	ug/l	99
38) Carbon Tetrachloride	7.77	117	23914	4.214	ug/l	95

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 Data File : VN056327.D
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 18 04:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 03:14:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	29709	3.942	ug/l	98
40) Benzene	8.04	78	75379	4.083	ug/l	98
41) Methacrylonitrile	7.18	41	8869	3.308	ug/l #	80
42) 1,2-Dichloroethane	8.12	62	25436	4.238	ug/l	100
43) Isopropyl Acetate	8.17	43	35625	3.953	ug/l	99
44) Trichloroethene	8.83	130	20272	3.928	ug/l	96
45) 1,2-Dichloropropane	9.12	63	19007	3.940	ug/l	99
46) Dibromomethane	9.21	93	13215	4.184	ug/l	97
47) Bromodichloromethane	9.40	83	24510	4.177	ug/l	95
48) Methyl methacrylate	9.20	41	17752	3.946	ug/l	96
49) 1,4-Dioxane	9.20	88	7432	78.977	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	113424	19.738	ug/l	100
52) Toluene	10.15	92	44792	3.905	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	21766	3.599	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	26671	3.839	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	19113	4.194	ug/l	96
56) Ethyl methacrylate	10.43	69	24379	3.579	ug/l	96
57) 1,3-Dichloropropane	10.71	76	30381	4.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	35637	15.510	ug/l	98
59) 2-Hexanone	10.75	43	83134	19.765	ug/l	95
60) Dibromochloromethane	10.90	129	19008	4.094	ug/l	96
61) 1,2-Dibromoethane	11.00	107	18469	3.900	ug/l	100
64) Tetrachloroethene	10.63	164	20428	4.114	ug/l	96
65) Chlorobenzene	11.43	112	47822	4.027	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	18431	4.404	ug/l	97
67) Ethyl Benzene	11.51	91	79785	3.848	ug/l	96
68) m/p-Xylenes	11.62	106	57552	7.287	ug/l	96
69) o-Xylene	11.95	106	28879	3.729	ug/l	97
70) Styrene	11.96	104	43642	3.467	ug/l	99
71) Bromoform	12.13	173	12636	3.901	ug/l #	98
73) Isopropylbenzene	12.25	105	76704	5.216	ug/l	97
74) N-amyl acetate	12.07	43	25348	4.983	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	25165	5.771	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	18385m	5.260	ug/l	
77) Bromobenzene	12.53	156	19695	5.076	ug/l	97
78) n-propylbenzene	12.59	91	72838	4.637	ug/l	99
79) 2-Chlorotoluene	12.67	91	49695	5.113	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	60069	4.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5308	4.509	ug/l	86
82) 4-Chlorotoluene	12.77	91	41085	4.460	ug/l	100
83) tert-Butylbenzene	12.99	119	55980	5.220	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	52253	4.492	ug/l	97
85) sec-Butylbenzene	13.17	105	65627	4.787	ug/l	100
86) p-Isopropyltoluene	13.29	119	52642	4.318	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	25284	4.173	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	24103	4.127	ug/l	95
89) n-Butylbenzene	13.61	91	36121	3.933	ug/l	97
90) Hexachloroethane	13.87	117	11516	5.784	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	25309	4.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3257	4.931	ug/l	99

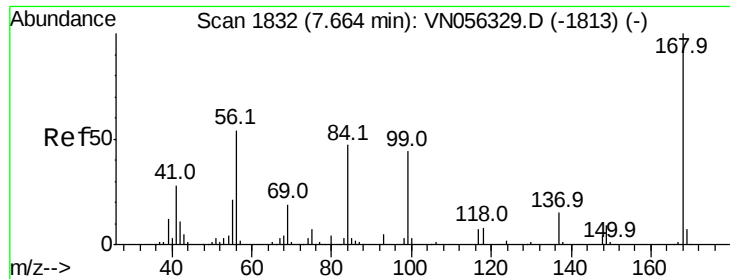
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
Data File : VN056327.D
Acq On : 17 Jun 2019 9:14
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 18 04:23:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 03:14:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6954	2.536	ug/l	96
94) Hexachlorobutadiene	15.01	225	11705	5.103	ug/l	98
95) Naphthalene	15.13	128	19578	2.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8319	2.811	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

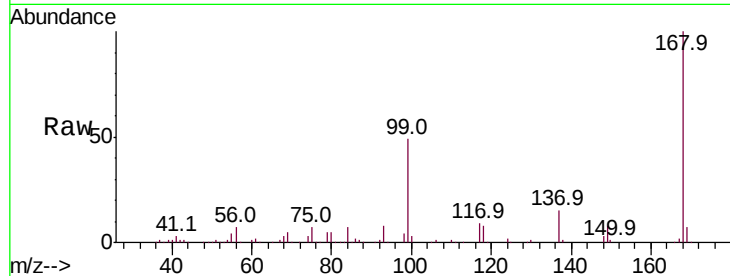
VSTDIC005

Tot Ion:168 Resp: 365014

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

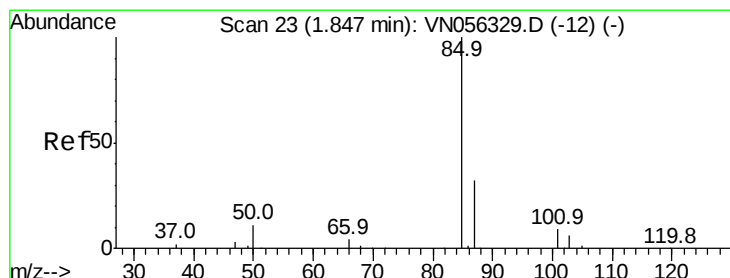
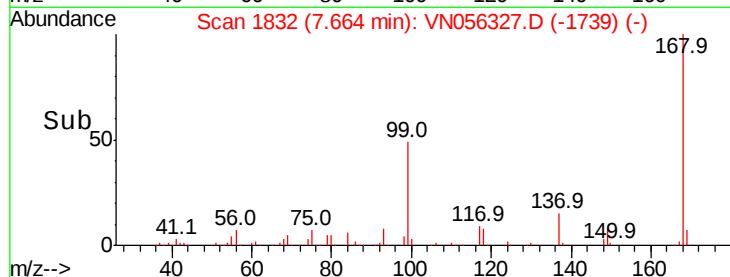
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 3.349 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056327.D

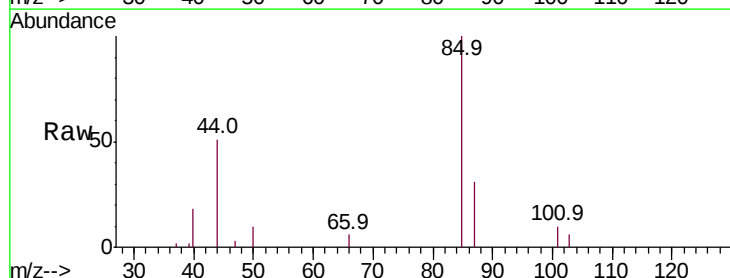
Acq: 17 Jun 2019 9:14

Tgt Ion: 85 Resp: 14043

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

10000

8000

6000

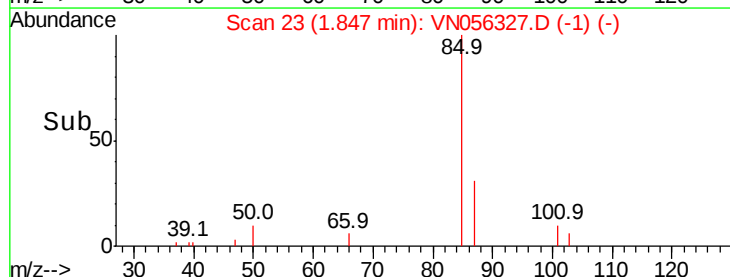
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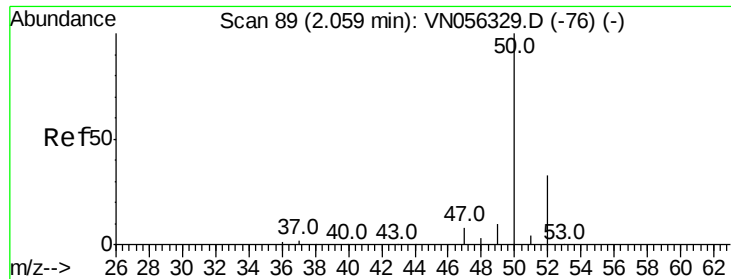
2000

0

1.80 1.85 1.90 1.95

Time-->

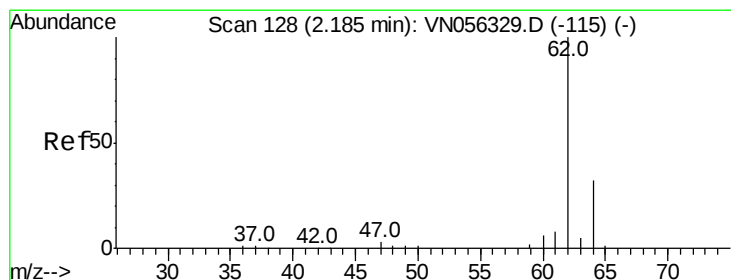
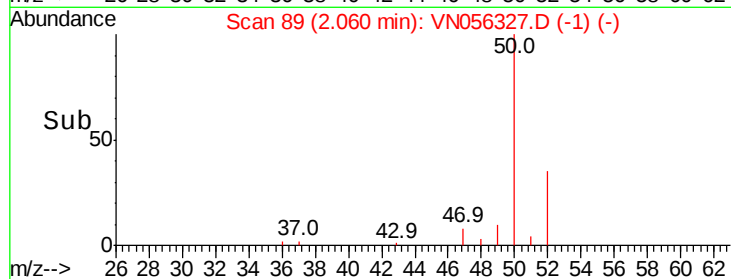
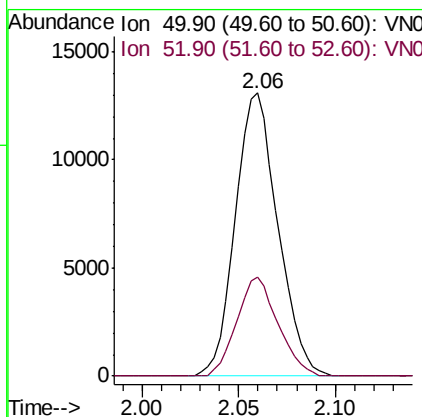
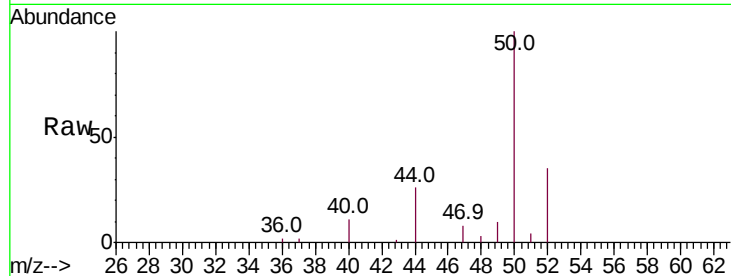




#3
Chloromethane
Concen: 3.933 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

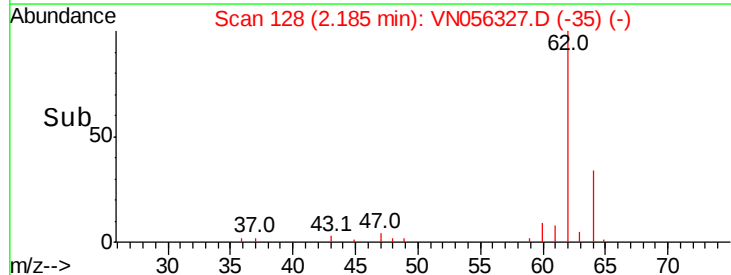
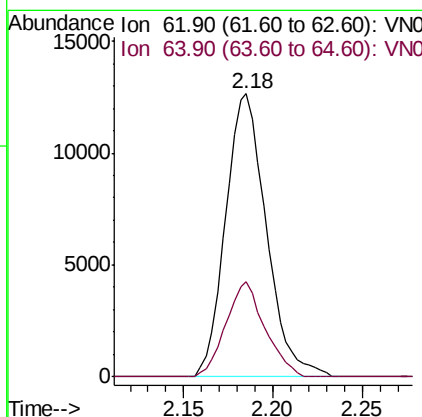
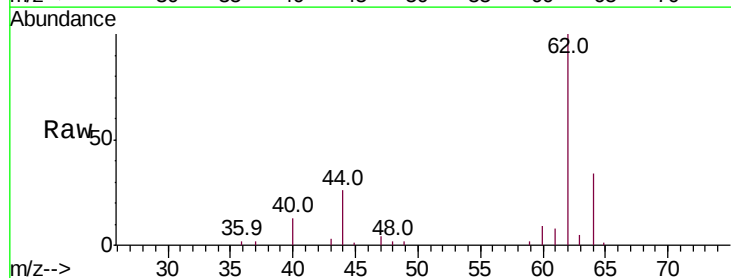
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

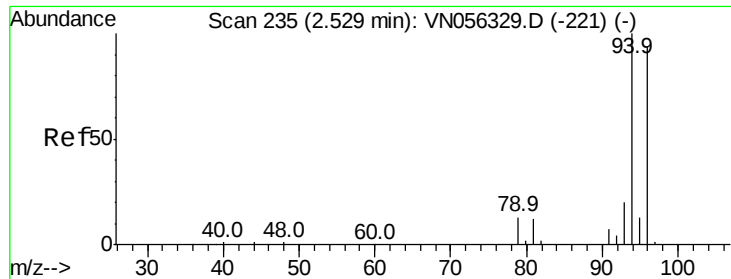
Tot Ion: 50 Resp: 20004
Ion Ratio Lower Upper
50 100
52 35.1 26.3 39.5



#4
Vinyl Chloride
Concen: 3.956 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 62 Resp: 20067
Ion Ratio Lower Upper
62 100
64 33.6 25.7 38.5

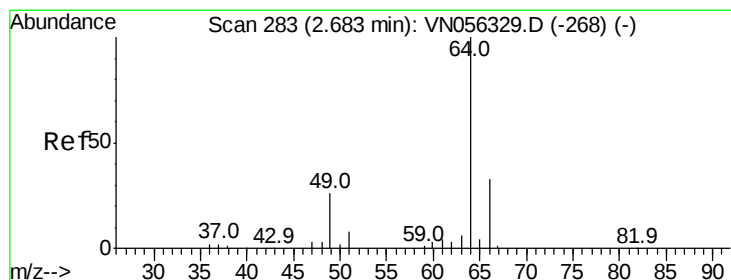
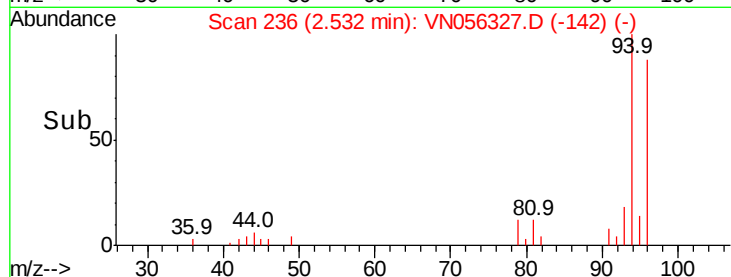
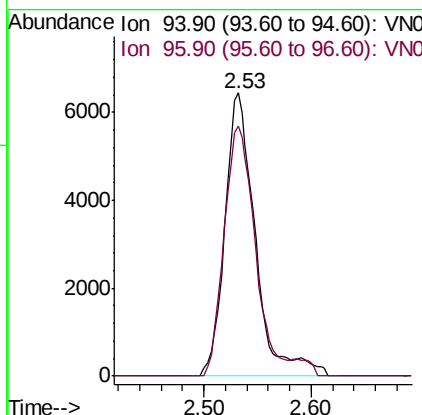
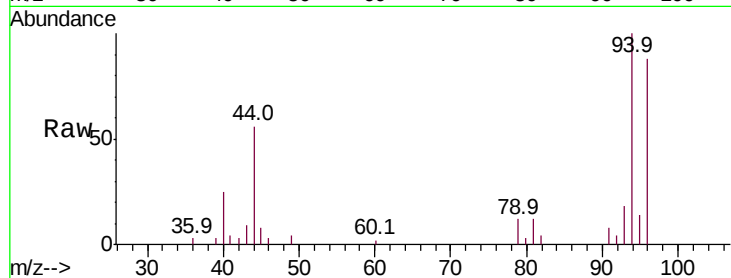




#5
Bromomethane
Concen: 4.064 ug/l m
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

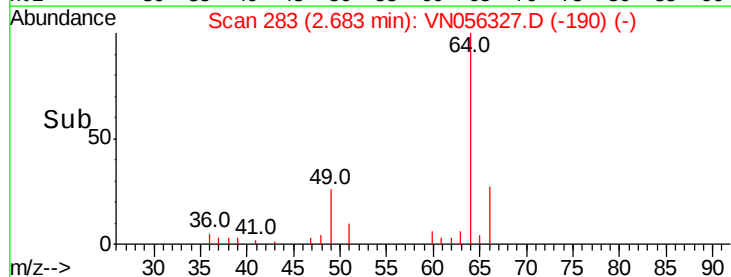
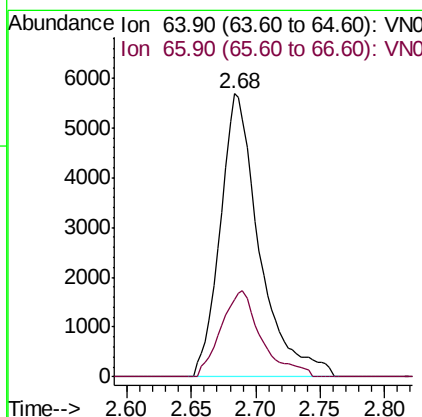
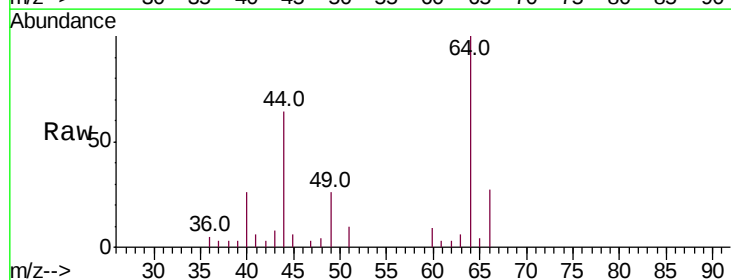
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

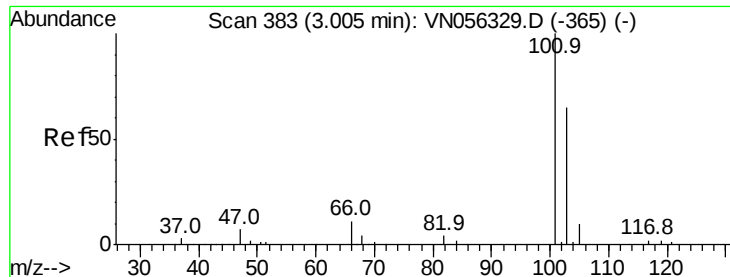
Tot Ion: 94 Resp: 12677
Ion Ratio Lower Upper
94 100
96 88.3 74.9 112.3



#6
Chloroethane
Concen: 4.087 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 64 Resp: 11998
Ion Ratio Lower Upper
64 100
66 27.3 26.3 39.5



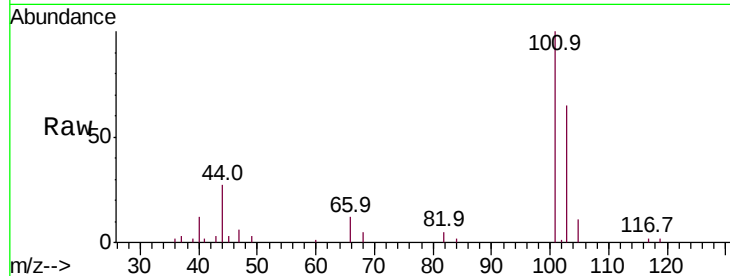


#7

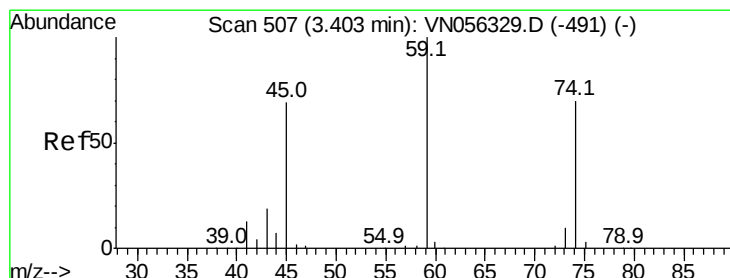
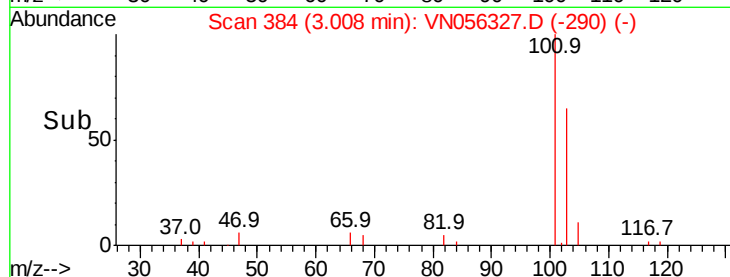
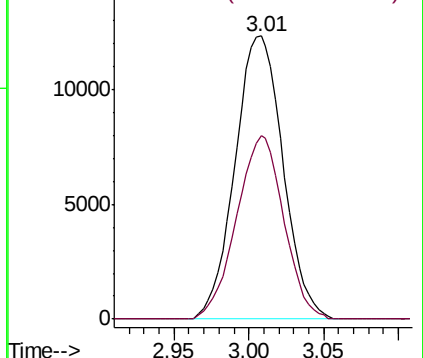
Trichlorofluoromethane
 Concen: 4.252 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 27565
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.1 78.1



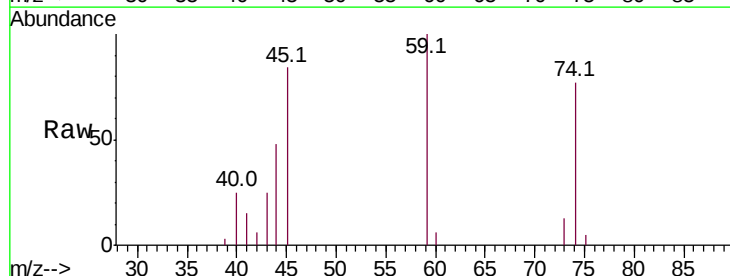
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



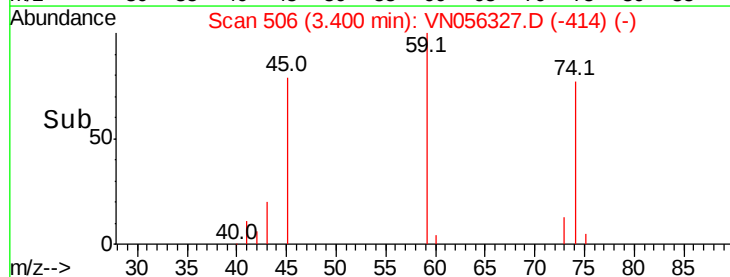
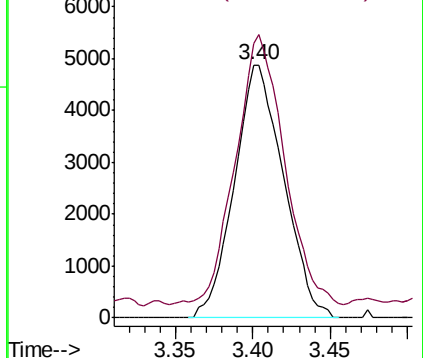
#8

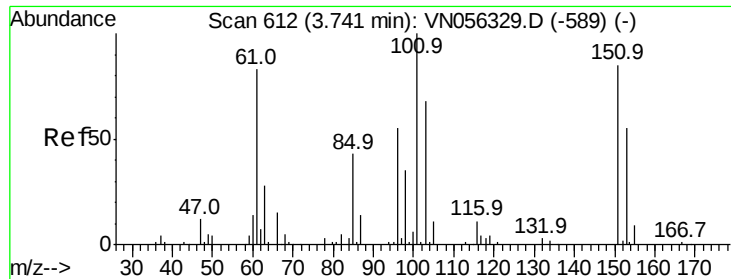
Diethyl Ether
 Concen: 4.102 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Tgt Ion: 74 Resp: 10765
 Ion Ratio Lower Upper
 74 100
 45 106.4 49.0 147.0



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: 4.399 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

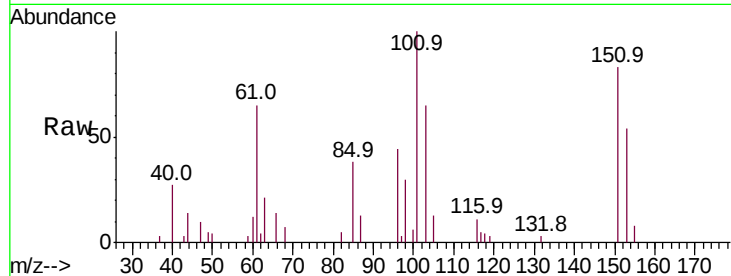
Tot Ion:101 Resp: 17544

Ion Ratio Lower Upper

101 100

85 41.6 33.8 50.8

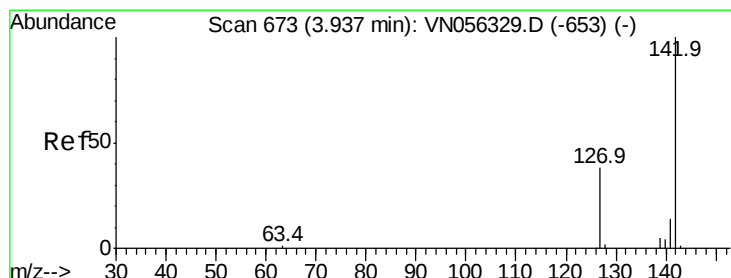
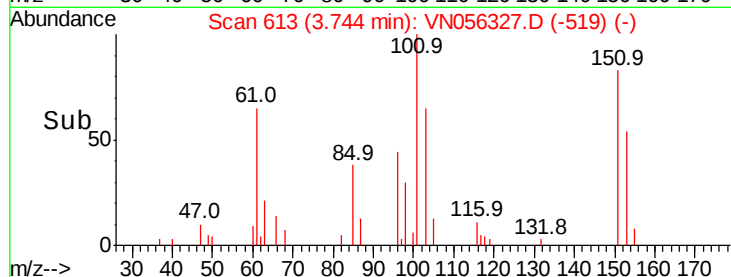
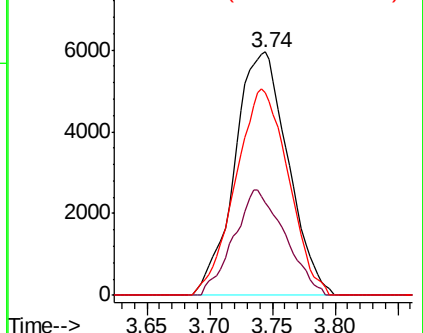
151 84.3 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.920 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

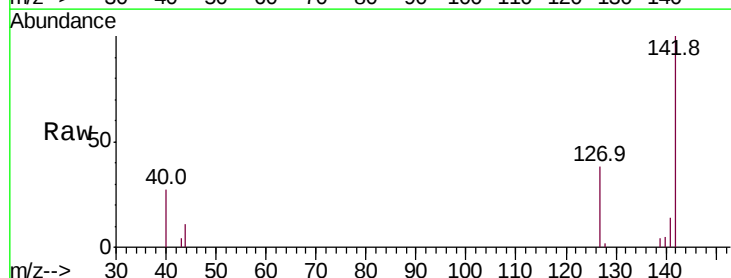
Tgt Ion:142 Resp: 18048

Ion Ratio Lower Upper

142 100

127 39.9 30.8 46.2

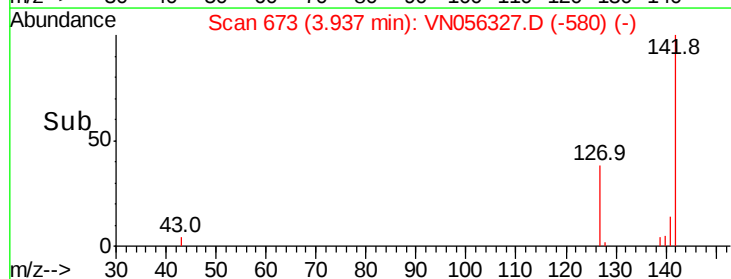
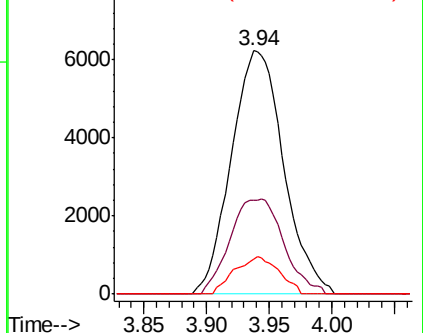
141 13.2 11.4 17.2

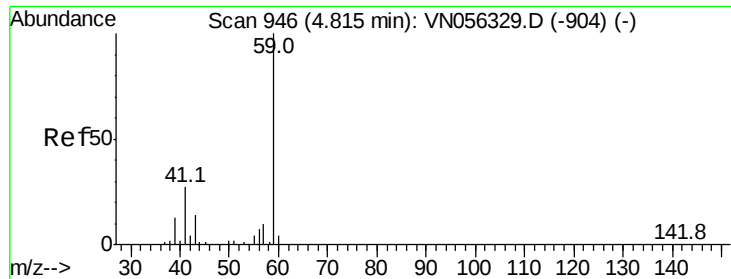


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

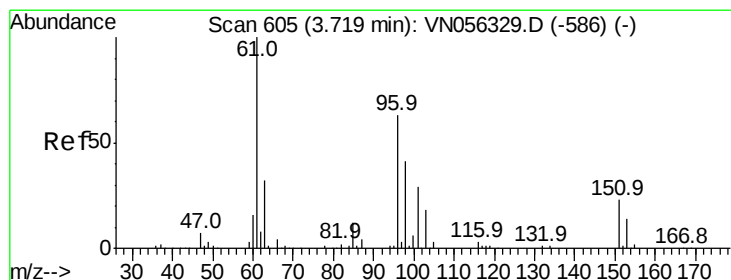
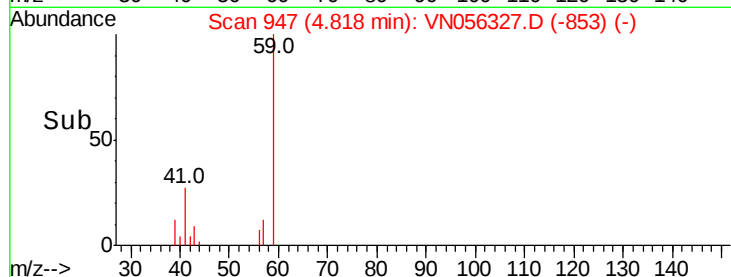
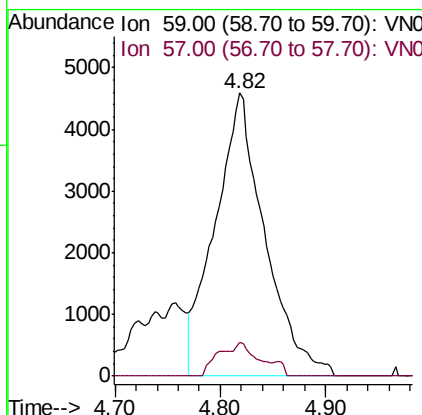
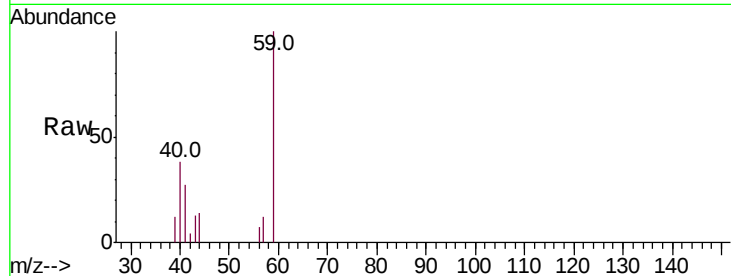




#11
Tert butyl alcohol
Concen: 17.653 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

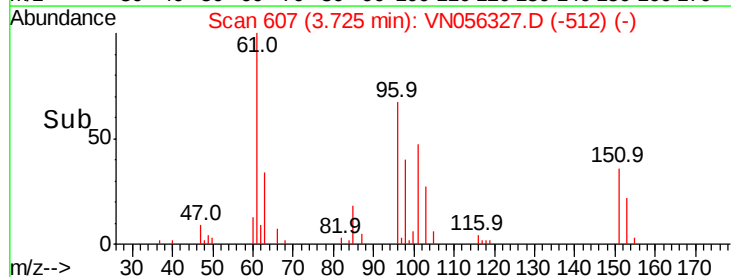
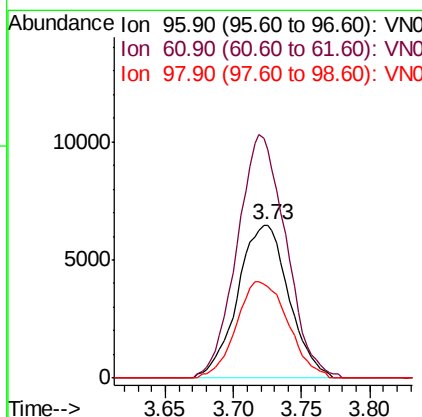
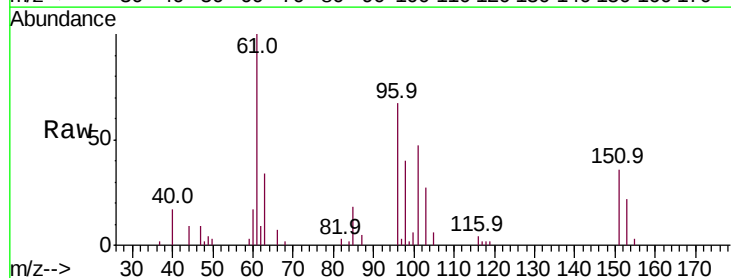
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

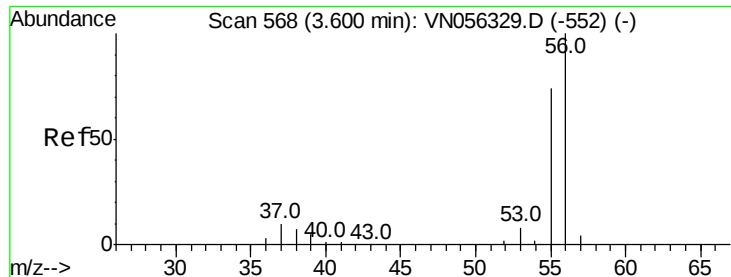
Tot Ion: 59 Resp: 15025
Ion Ratio Lower Upper
59 100
57 9.2 7.8 11.8



#12
1,1-Dichloroethene
Concen: 4.248 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.01 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 96 Resp: 16900
Ion Ratio Lower Upper
96 100
61 149.6 127.4 191.2
98 59.3 51.7 77.5





#13

Acrolein

Concen: 13.078 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

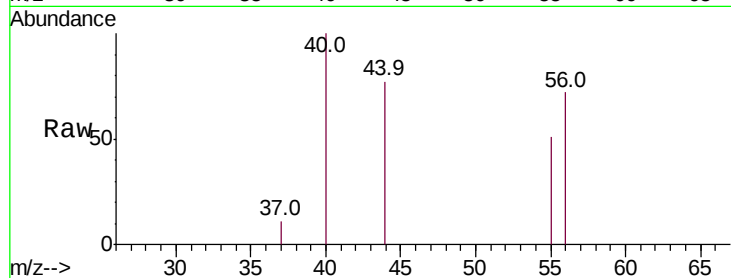
VSTDIC005

Tot Ion: 56 Resp: 3123

Ion Ratio Lower Upper

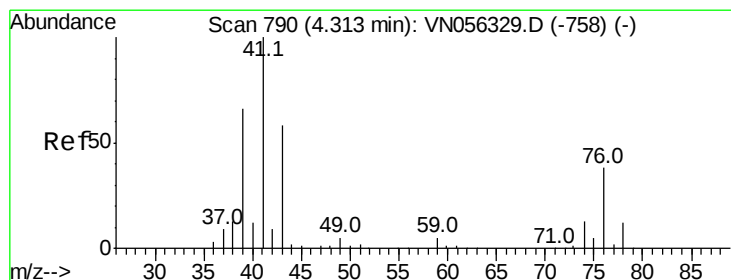
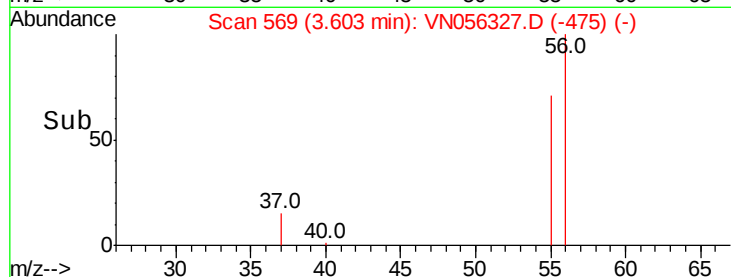
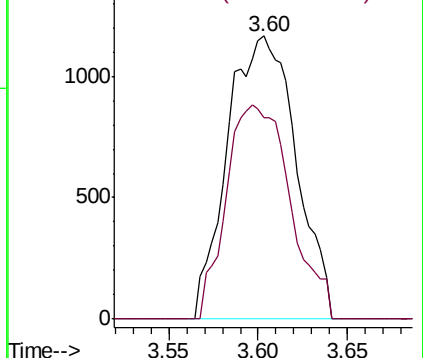
56 100

55 70.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 4.036 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

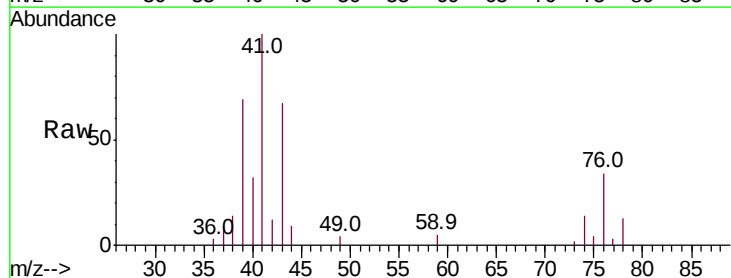
Tgt Ion: 41 Resp: 26530

Ion Ratio Lower Upper

41 100

39 64.4 48.9 73.3

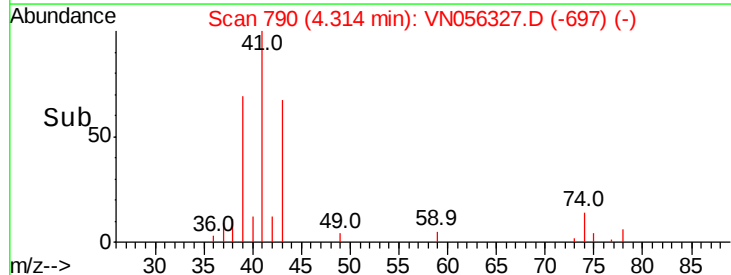
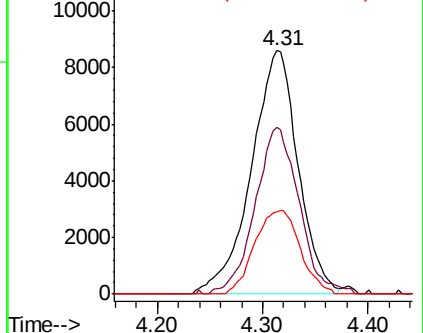
76 33.4 27.2 40.8

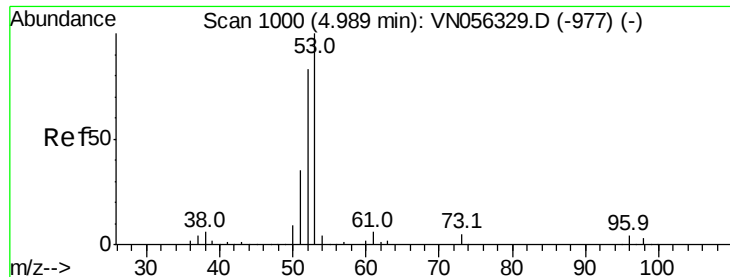


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 20.385 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

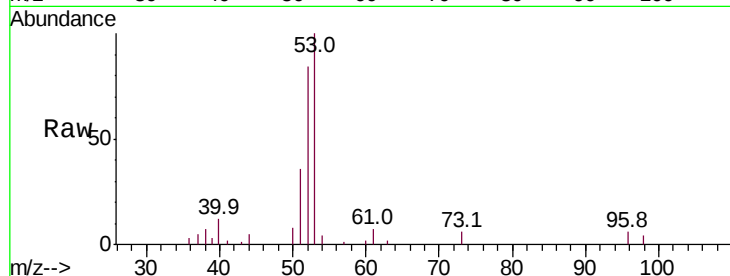
Tot Ion: 53 Resp: 43127

Ion Ratio Lower Upper

53 100

52 84.4 65.4 98.2

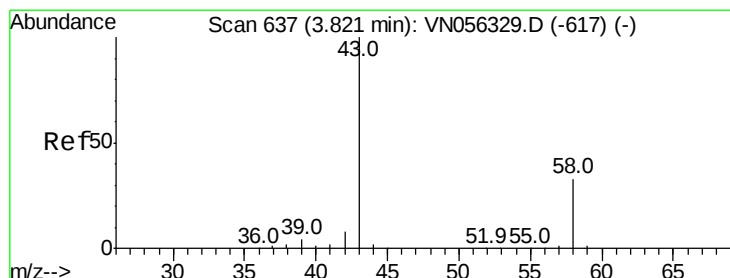
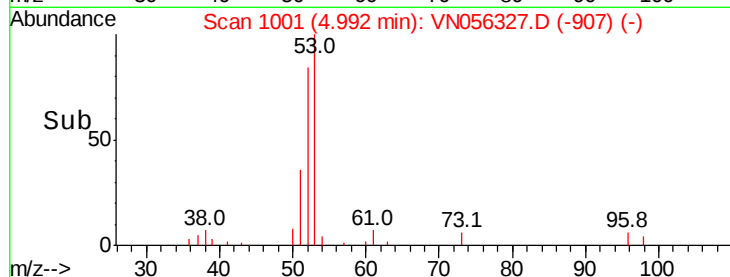
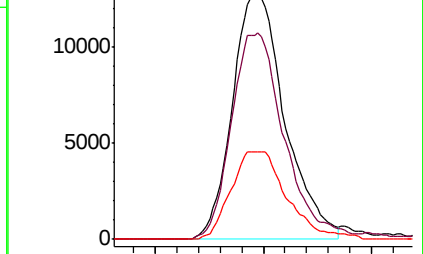
51 38.1 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN056327.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN056327.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN056327.D (-977) (-)



#16

Acetone

Concen: 21.082 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056327.D

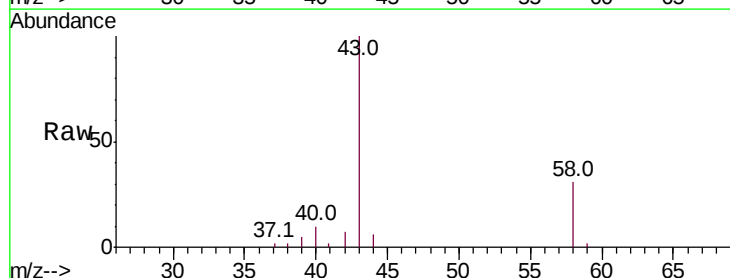
Acq: 17 Jun 2019 9:14

Tgt Ion: 43 Resp: 52098

Ion Ratio Lower Upper

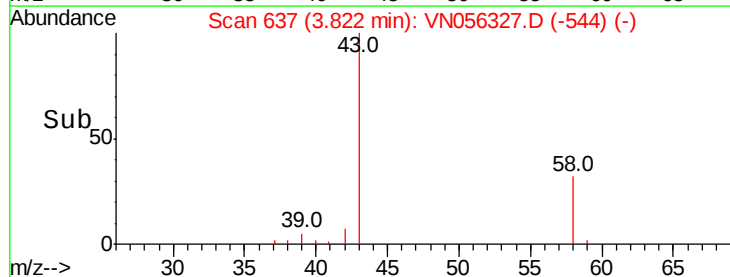
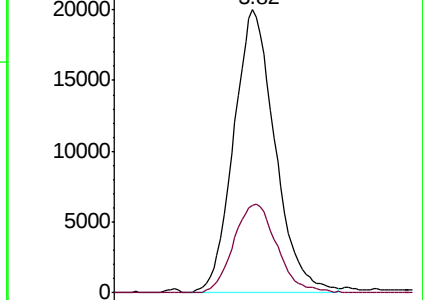
43 100

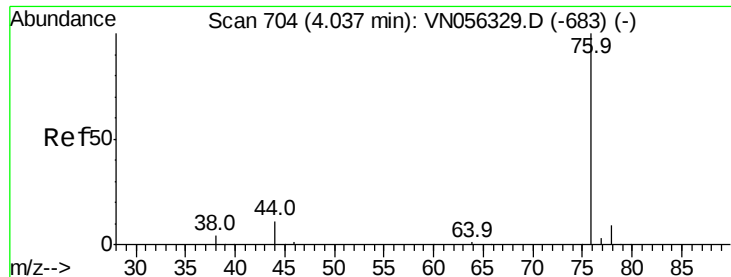
58 31.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN056327.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN056327.D (-544) (-)

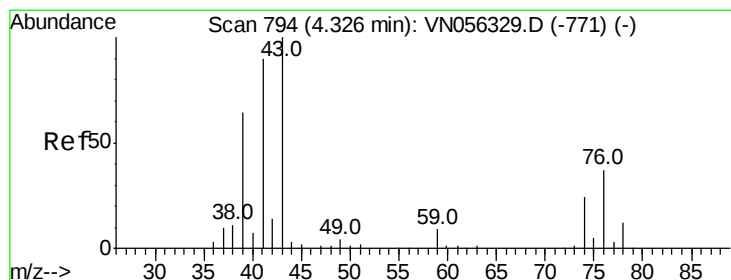
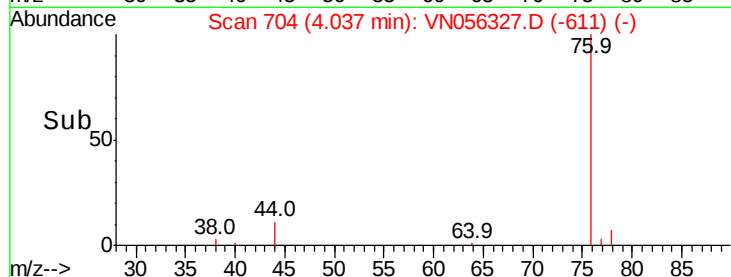
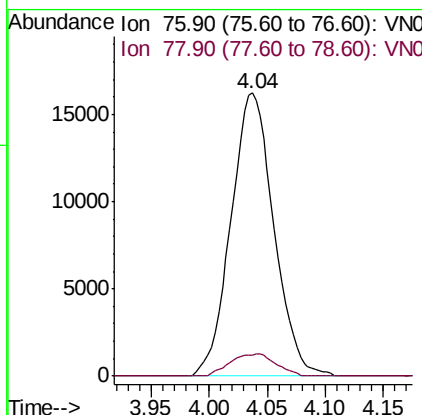
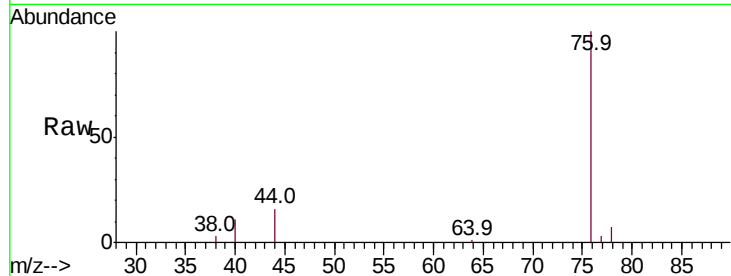




#17
Carbon Disulfide
Concen: 4.090 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

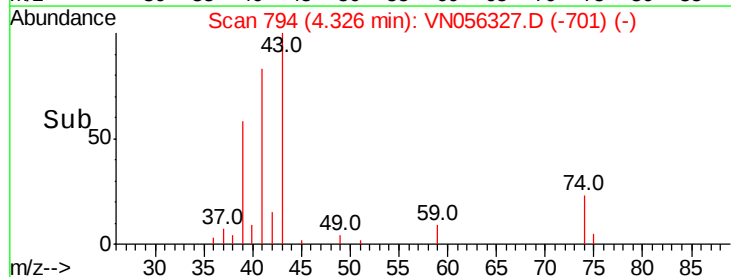
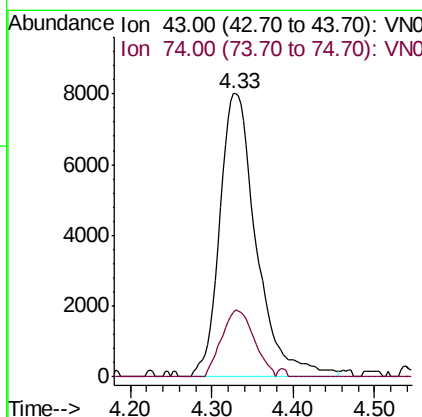
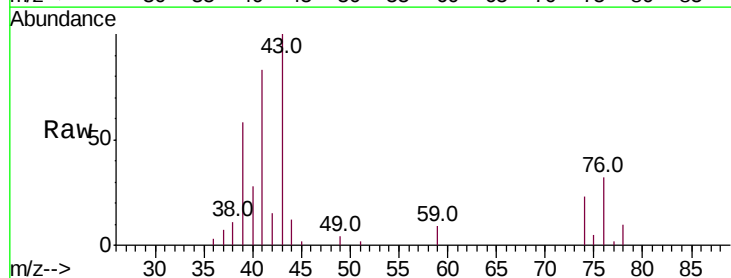
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

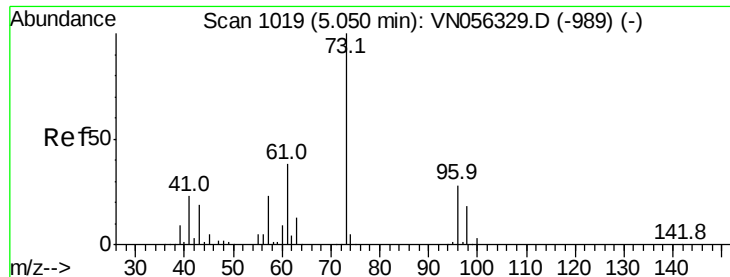
Tot Ion: 76 Resp: 41694
Ion Ratio Lower Upper
76 100
78 7.4 7.3 10.9



#18
Methyl Acetate
Concen: 5.126 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 43 Resp: 25385
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



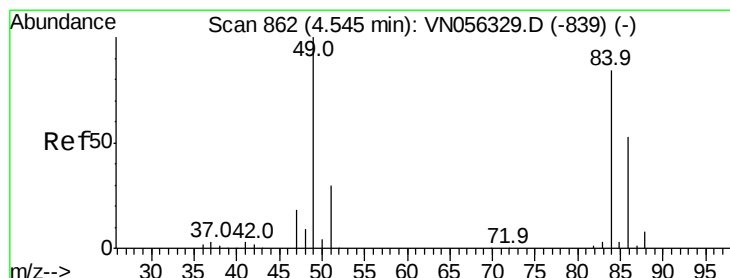
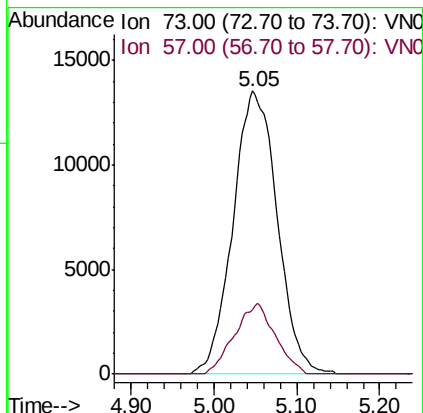
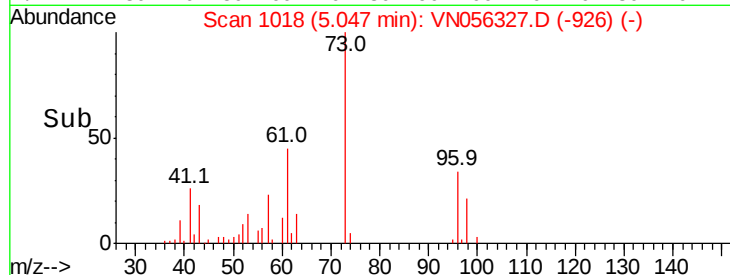
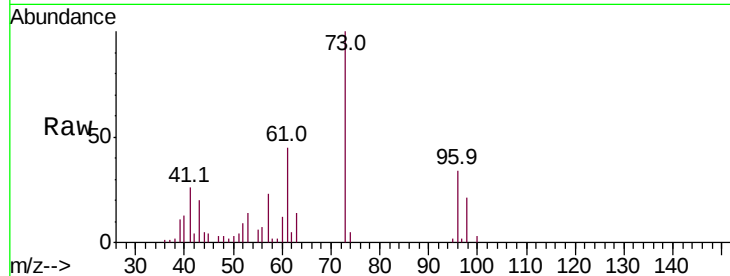


#19

Methyl tert-butyl Ether
 Concen: 3.978 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

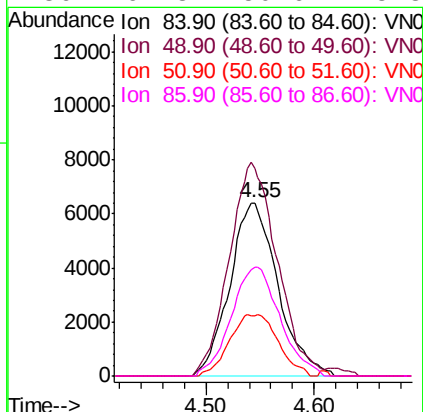
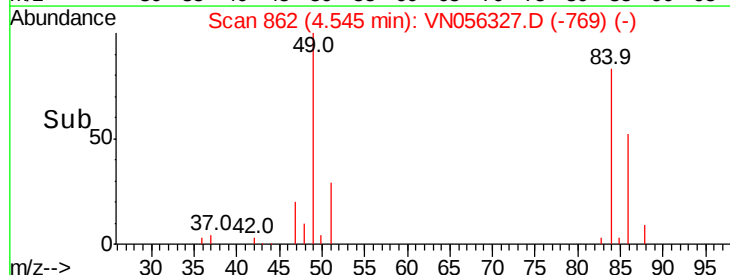
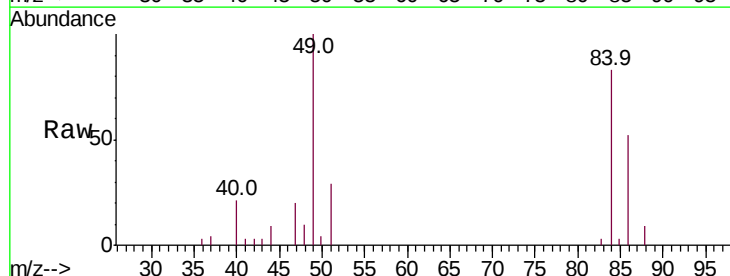
Tot Ion: 73 Resp: 50316
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.1 27.1

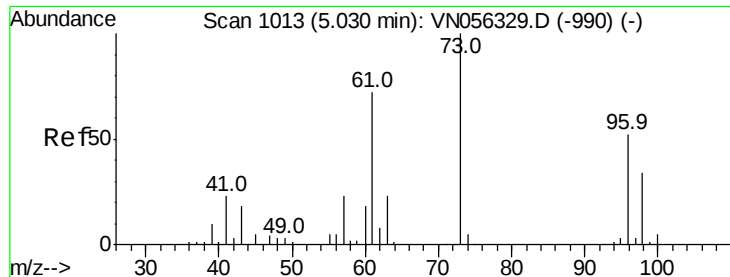


#20

Methylene Chloride
 Concen: 4.256 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Tgt Ion: 84 Resp: 19920
 Ion Ratio Lower Upper
 84 100
 49 119.9 95.0 142.6
 51 34.8 28.2 42.4
 86 62.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 4.144 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

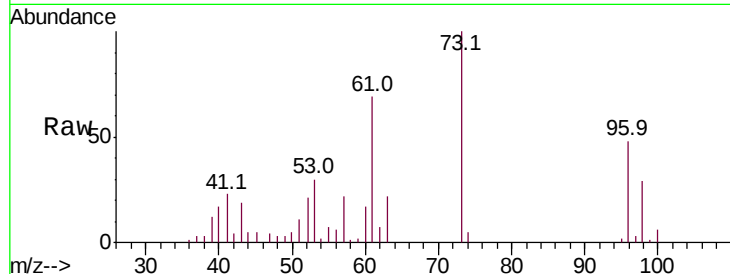
Tot Ion: 96 Resp: 17779

Ion Ratio Lower Upper

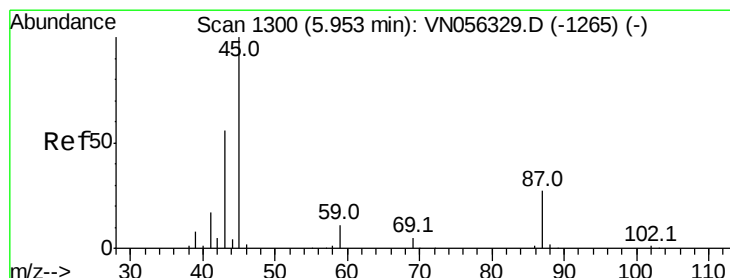
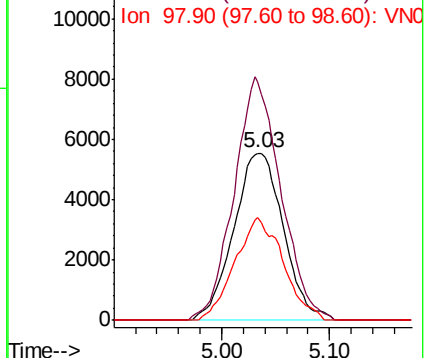
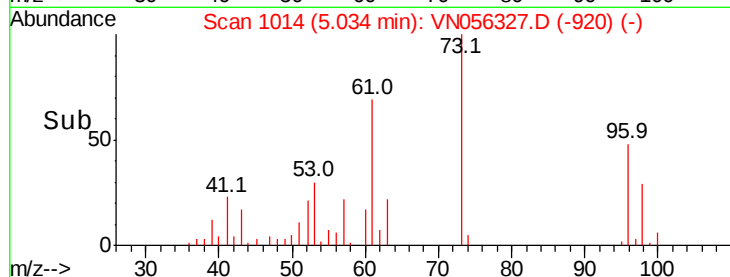
96 100

61 142.8 109.8 164.6

98 61.3 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN056327.D (-1207) (-)



#22

Diisopropyl ether

Concen: 4.060 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Tgt Ion: 45 Resp: 53999

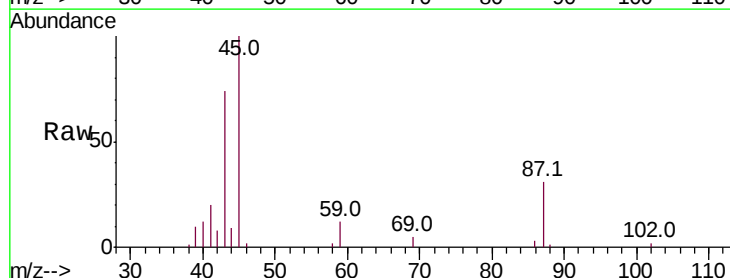
Ion Ratio Lower Upper

45 100

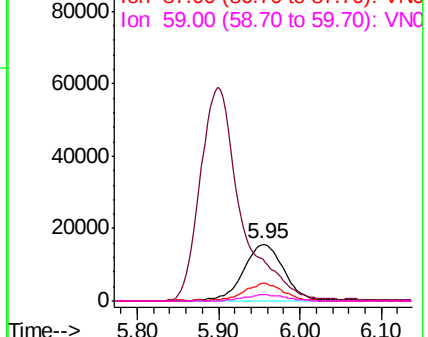
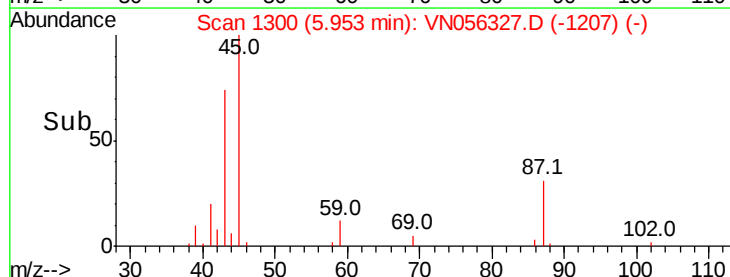
43 70.7 47.0 70.6#

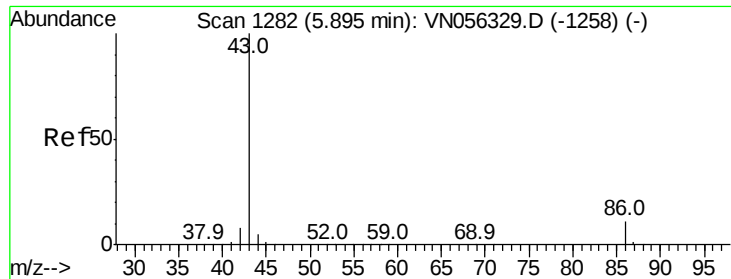
87 31.1 22.4 33.6

59 11.8 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN056327.D (-1207) (-)





#23

Vinyl Acetate

Concen: 19.148 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

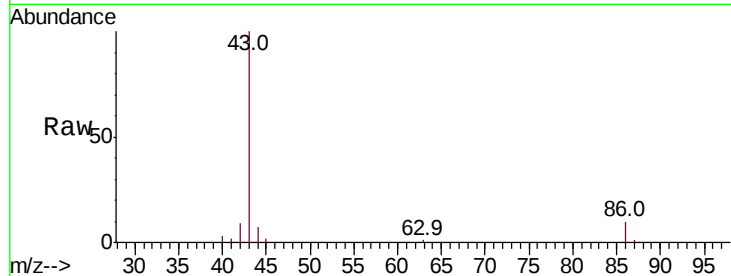
VSTDIC005

Tot Ion: 43 Resp: 205746

Ion Ratio Lower Upper

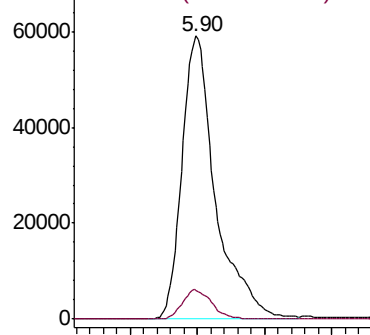
43 100

86 10.2 8.5 12.7

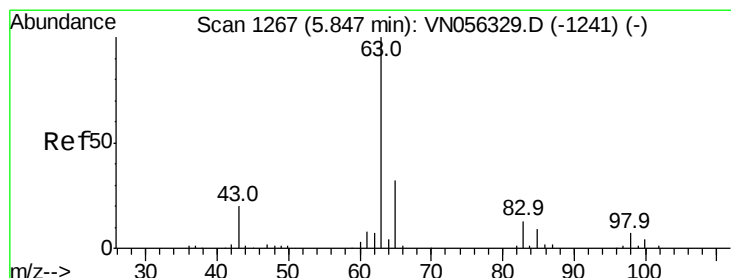
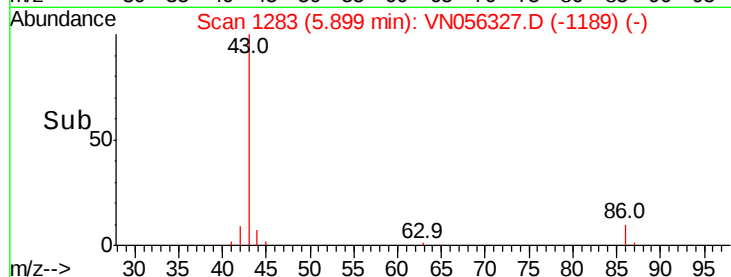


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 4.273 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

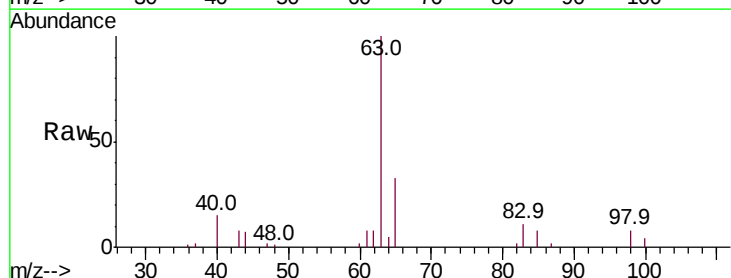
Tgt Ion: 63 Resp: 32786

Ion Ratio Lower Upper

63 100

98 8.5 3.3 9.8

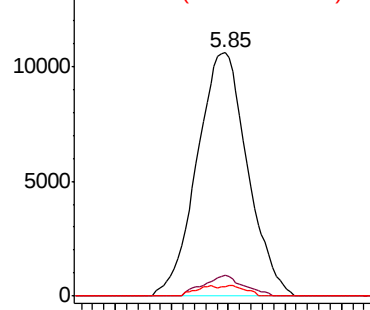
100 4.1 2.2 6.6



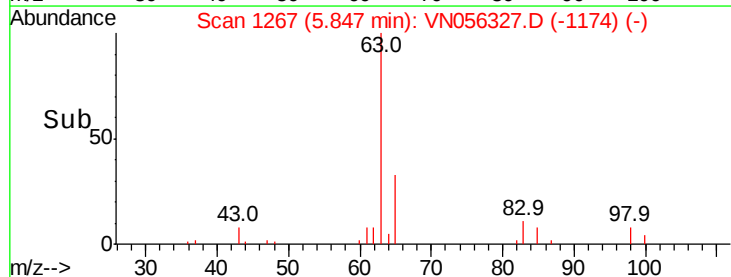
Abundance Ion 62.90 (62.60 to 63.60): VN0

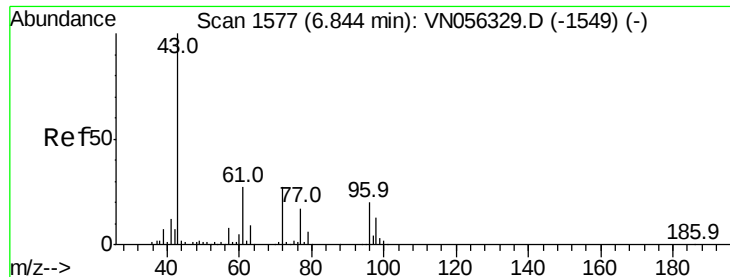
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

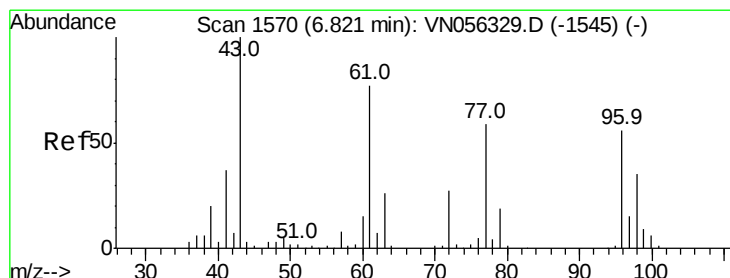
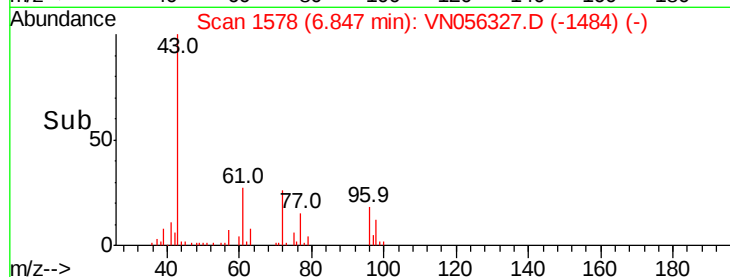
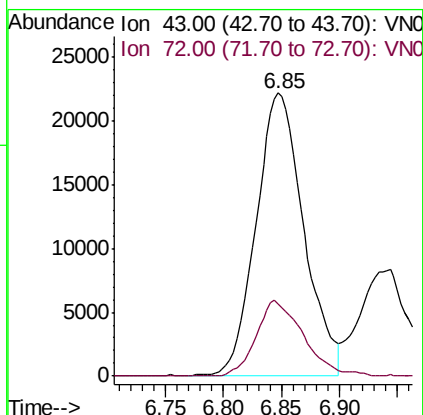
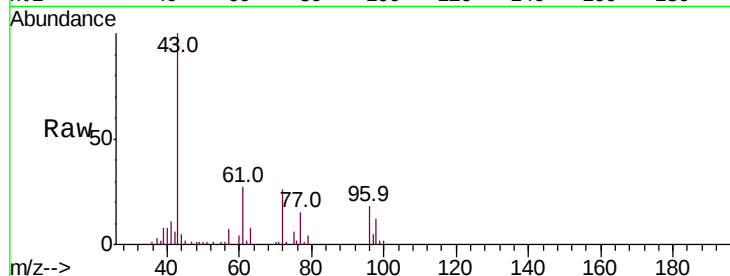




#25
2-Butanone
Concen: 20.461 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

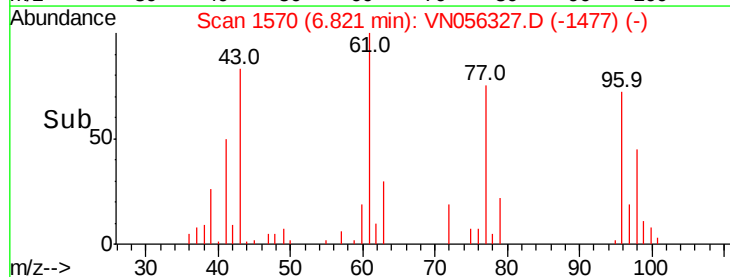
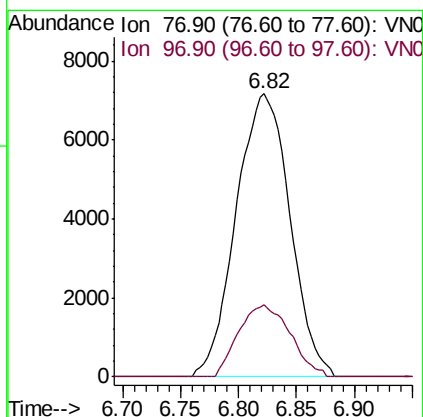
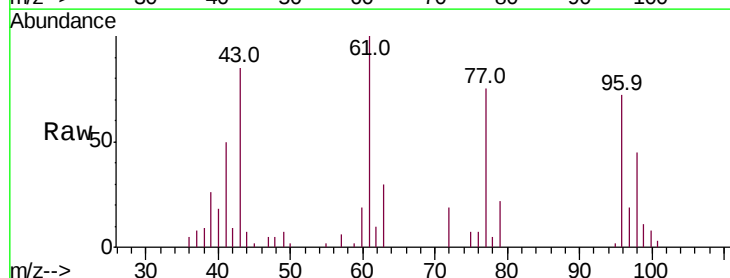
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

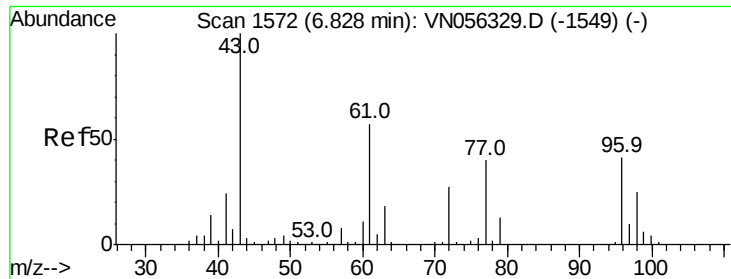
Tot Ion: 43 Resp: 63467
Ion Ratio Lower Upper
43 100
72 25.6 21.4 32.2



#26
2,2-Dichloropropane
Concen: 4.032 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 77 Resp: 23152
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.086 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

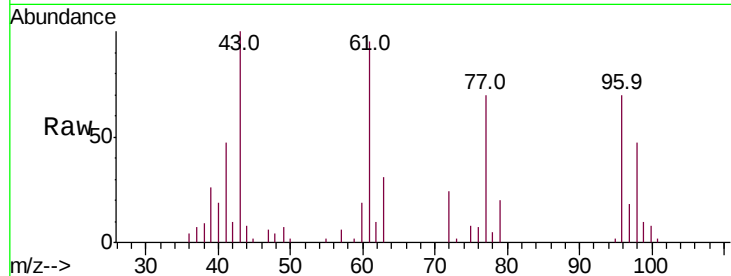
Tot Ion: 96 Resp: 20486

Ion Ratio Lower Upper

96 100

61 143.2 0.0 278.6

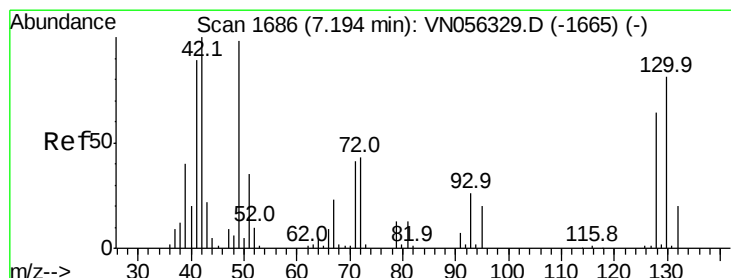
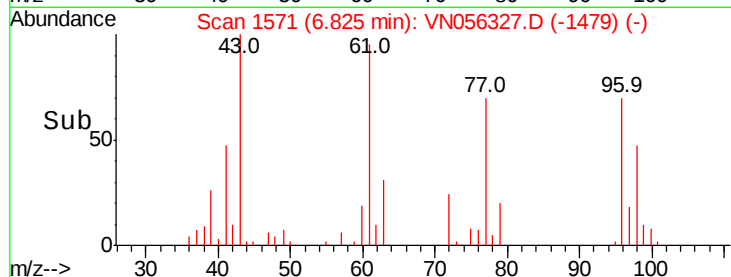
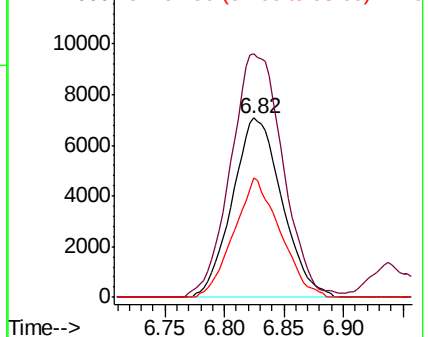
98 62.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.105 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

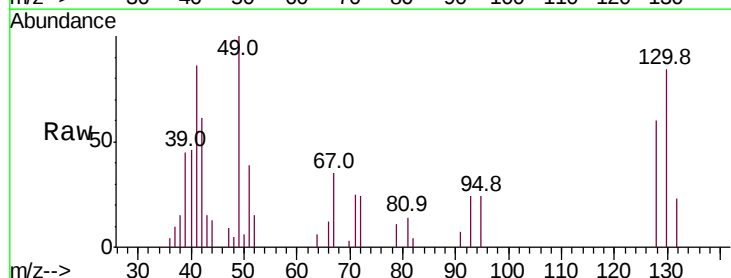
Tgt Ion: 49 Resp: 15265

Ion Ratio Lower Upper

49 100

129 0.2 0.0 4.4

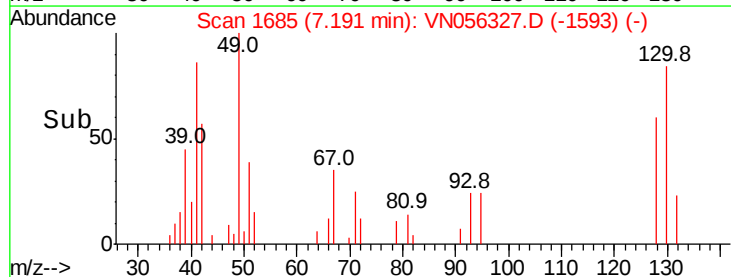
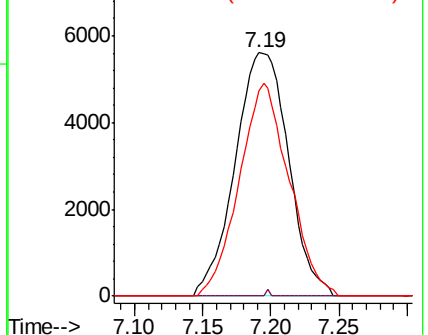
130 81.5 66.4 99.6

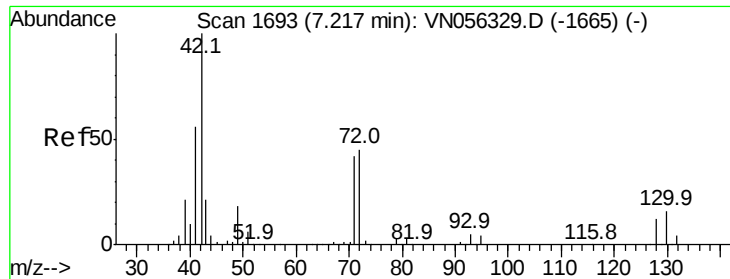


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

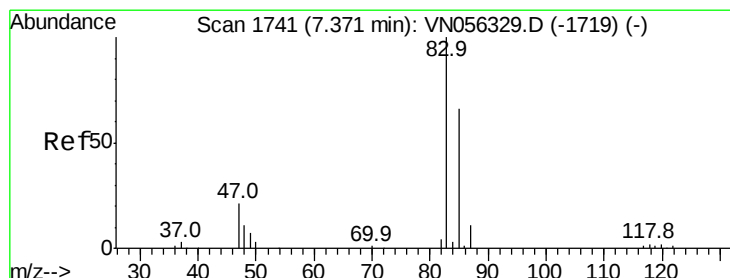
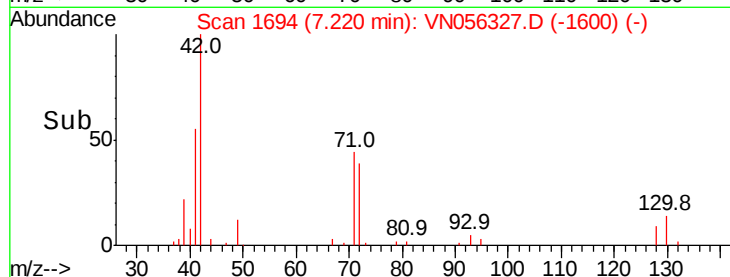
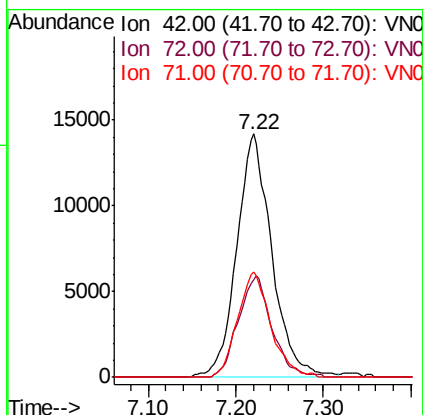
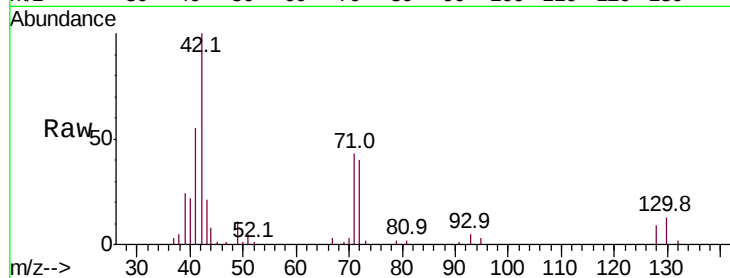




#29
Tetrahydrofuran
Concen: 21.153 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

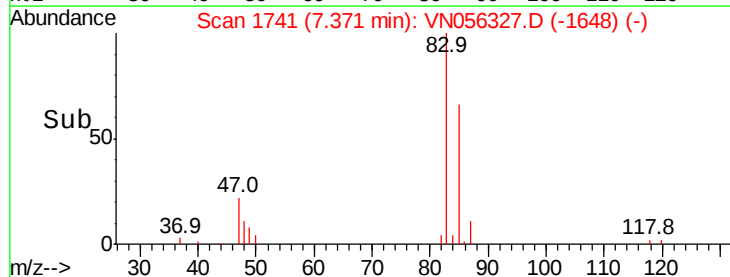
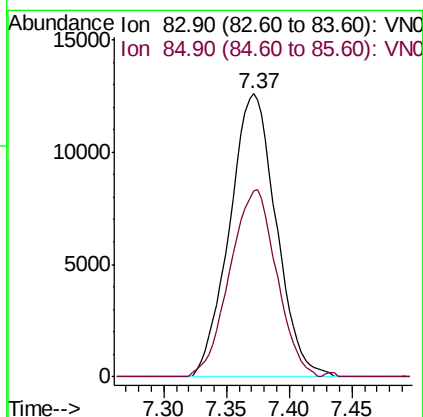
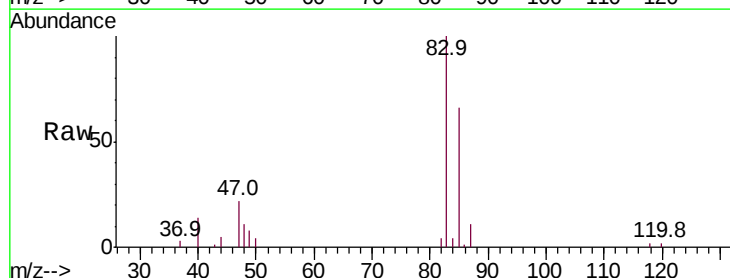
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

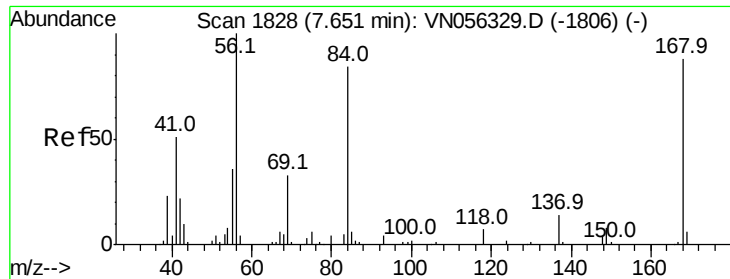
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	35.3	52.9
71	40.5	32.7	49.1



#30
Chloroform
Concen: 4.245 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	78.8

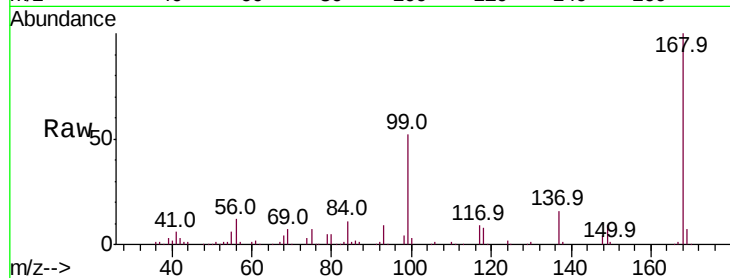




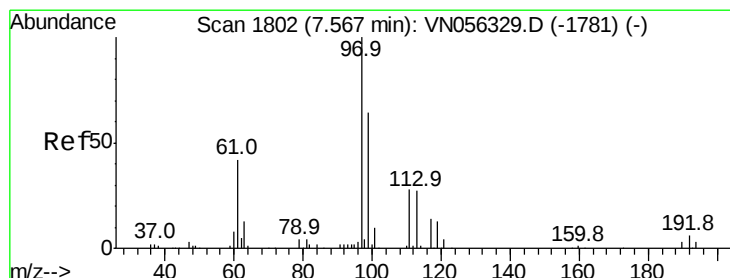
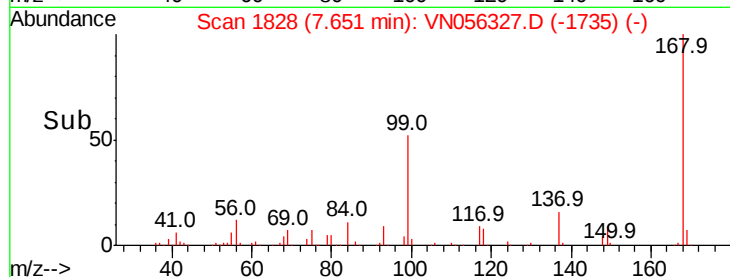
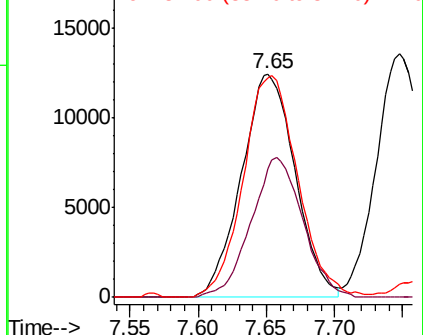
#31
Cyclohexane
Concen: 4.370 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 34188
Ion Ratio Lower Upper
56 100
69 57.3 26.0 39.0#
84 98.3 67.4 101.0

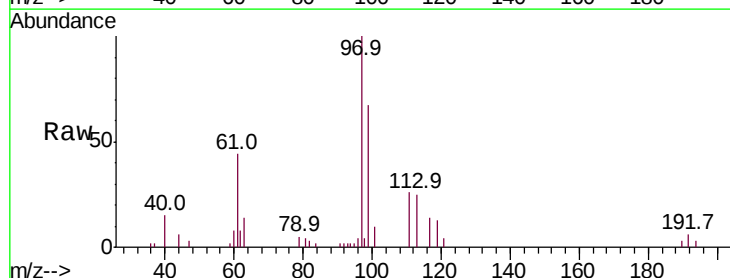


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

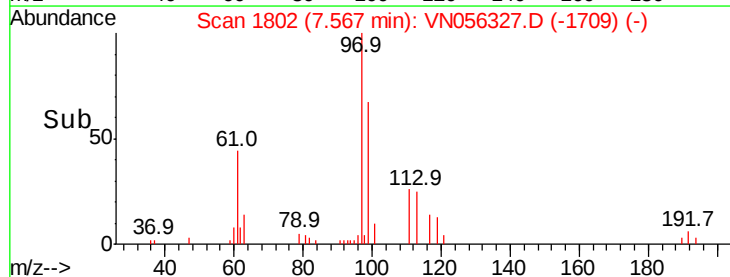
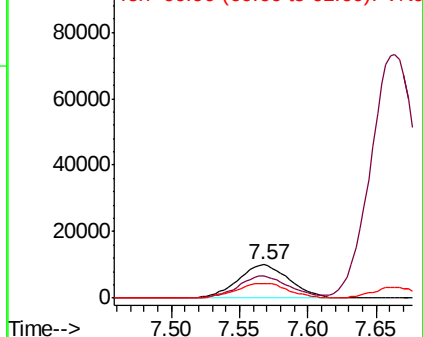


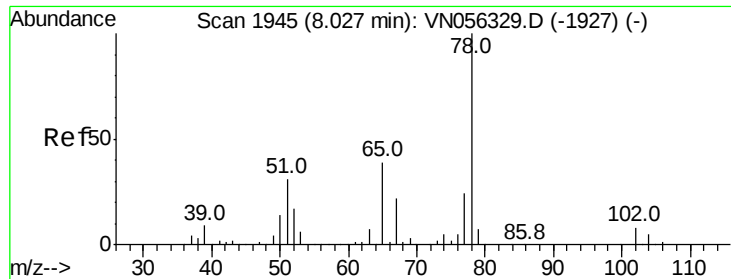
#32
1,1,1-Trichloroethane
Concen: 4.146 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 97 Resp: 26492
Ion Ratio Lower Upper
97 100
99 65.5 51.4 77.0
61 44.8 34.4 51.6



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





#33

1,2-Dichloroethane-d4

Concen: 4.160 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

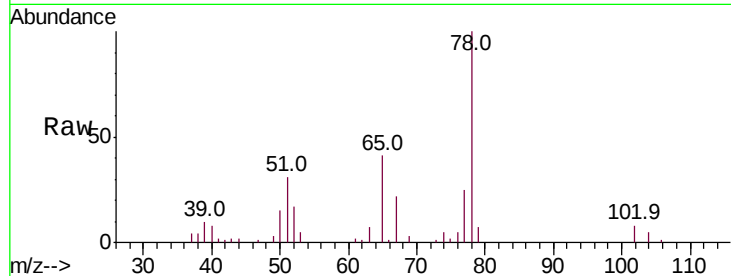
VSTDIC005

Tot Ion: 65 Resp: 20727

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN056327.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056327.D (-1927) (-)

8.03

10000

8000

6000

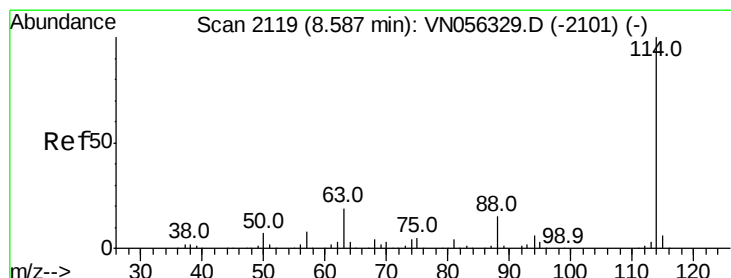
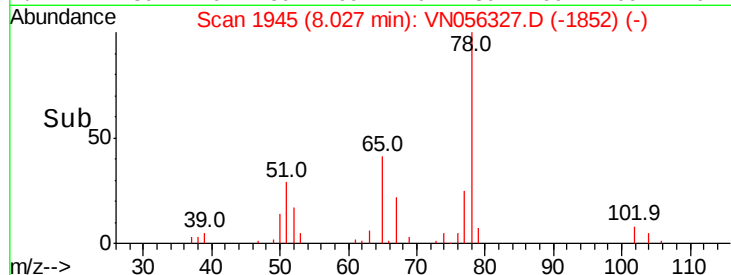
4000

2000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

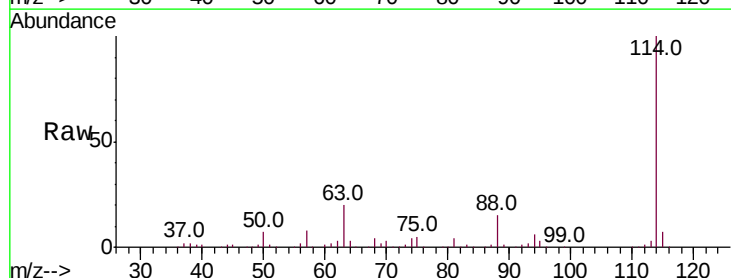
Tgt Ion: 114 Resp: 549455

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN056327.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056327.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056327.D (-2101) (-)

8.58

300000

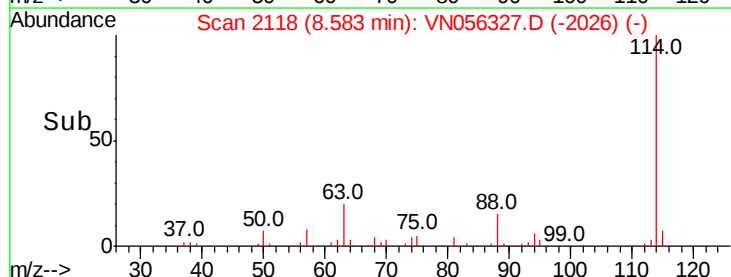
200000

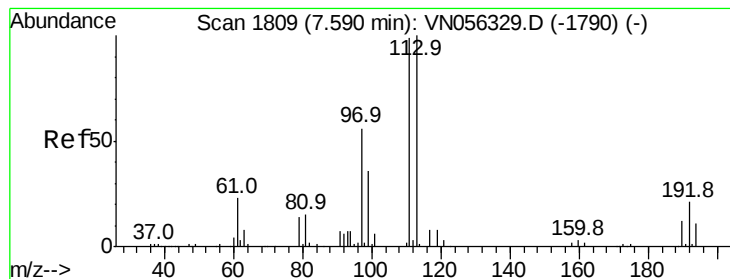
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 3.659 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

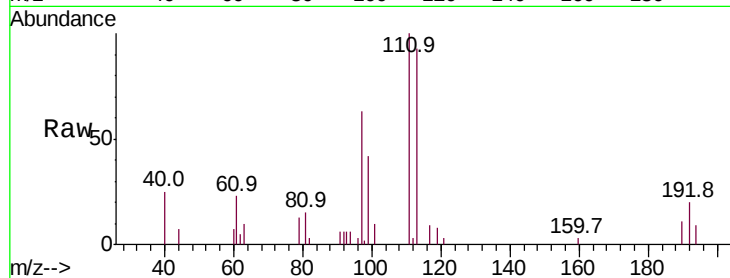
Tot Ion:113 Resp: 16510

Ion Ratio Lower Upper

113 100

111 107.7 82.1 123.1

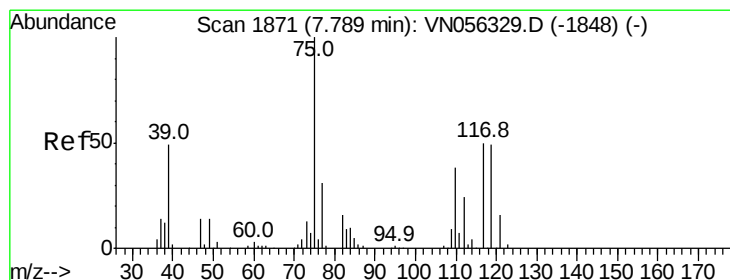
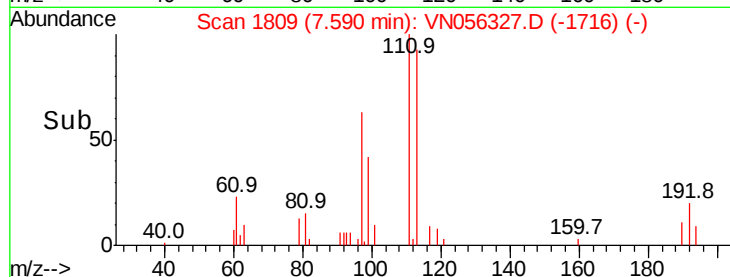
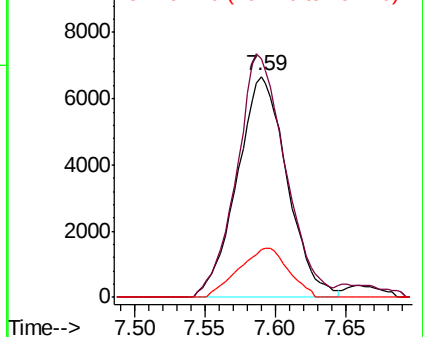
192 22.2 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.910 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

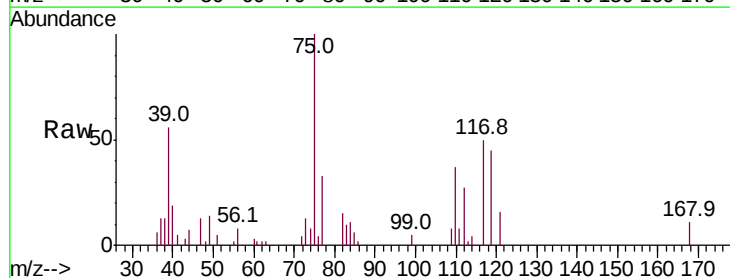
Tgt Ion: 75 Resp: 23794

Ion Ratio Lower Upper

75 100

110 35.0 18.6 56.0

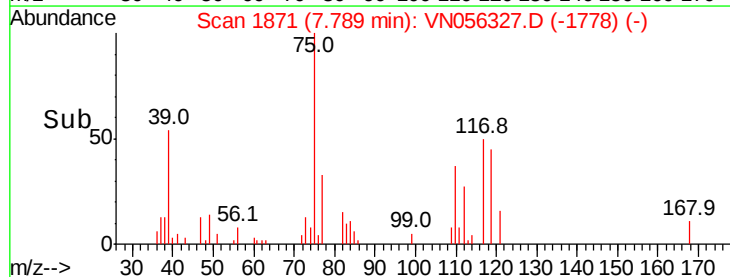
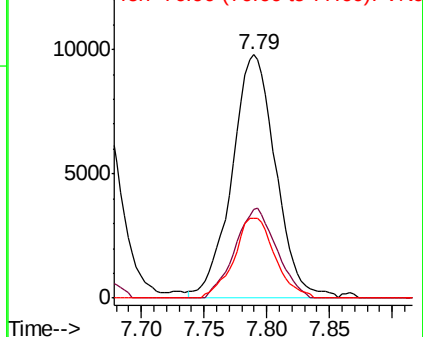
77 30.7 25.0 37.6

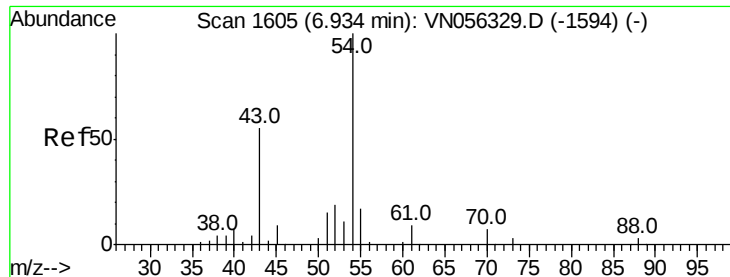


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

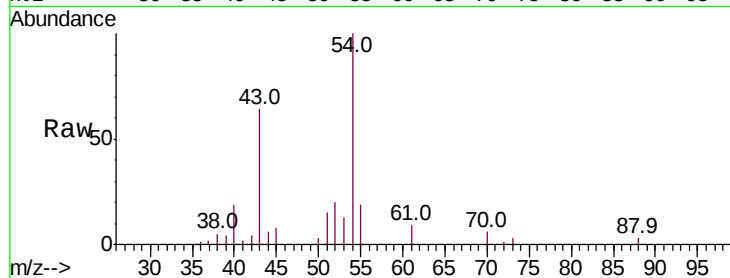




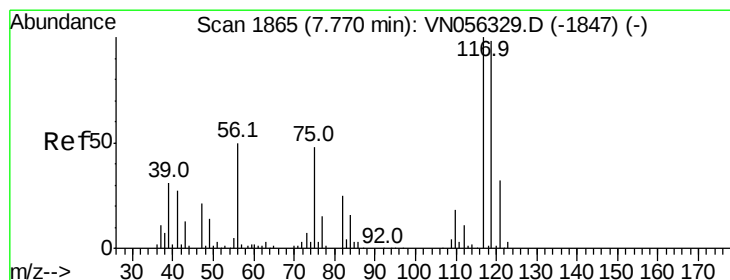
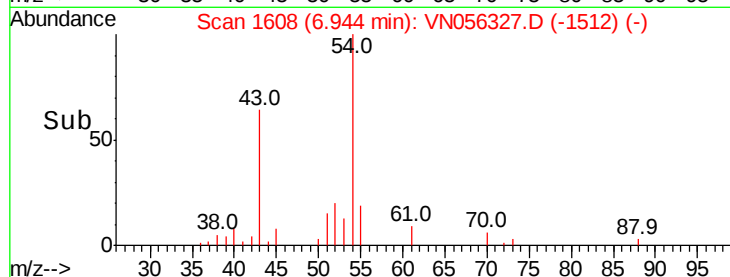
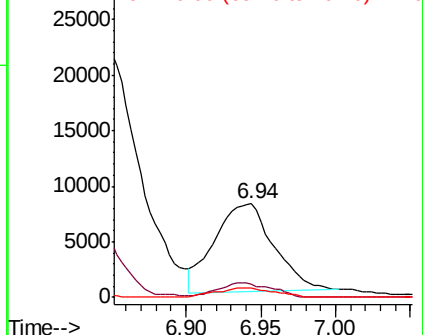
#37
Ethyl Acetate
Concen: 3.810 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 21762
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 10.5 8.3 12.5

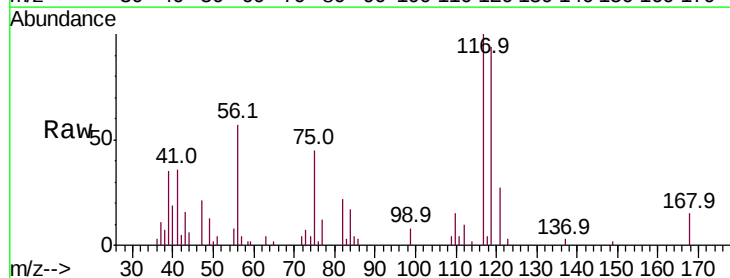


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

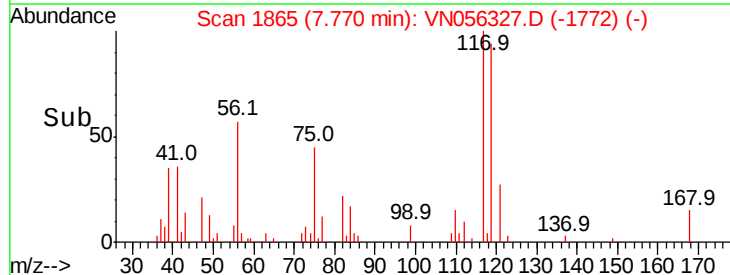
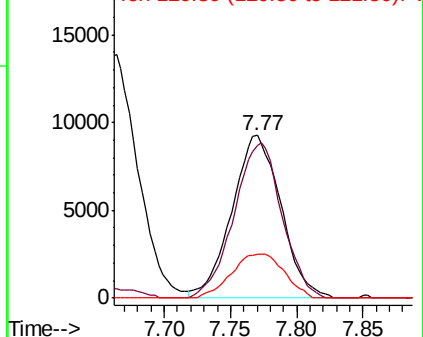


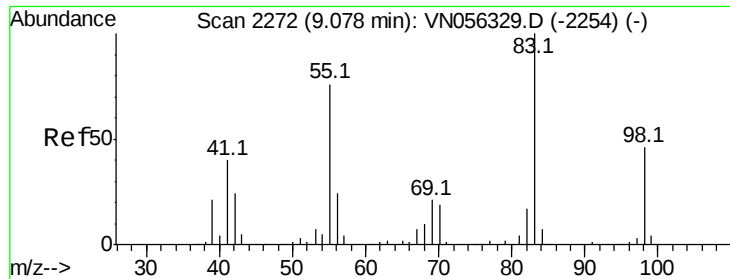
#38
Carbon Tetrachloride
Concen: 4.214 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 117 Resp: 23914
Ion Ratio Lower Upper
117 100
119 93.5 77.8 116.8
121 27.1 25.3 37.9



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

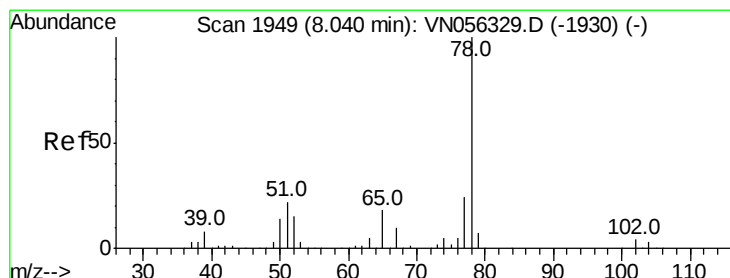
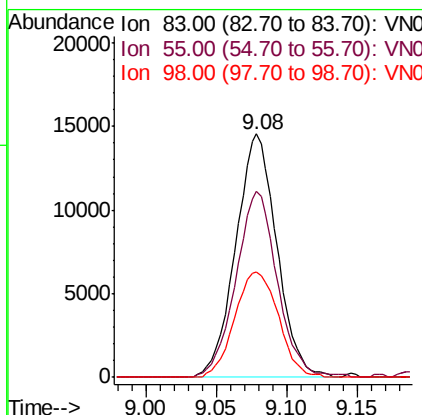
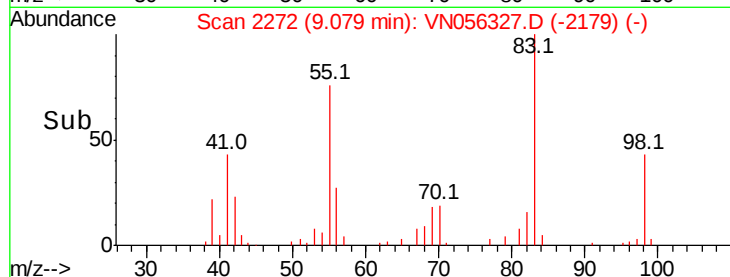
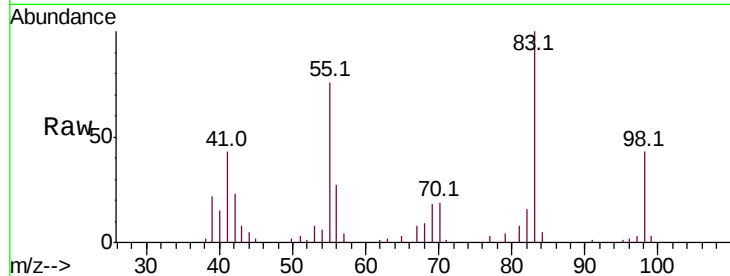




#39
Methvlcvclohexane
Concen: 3.942 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

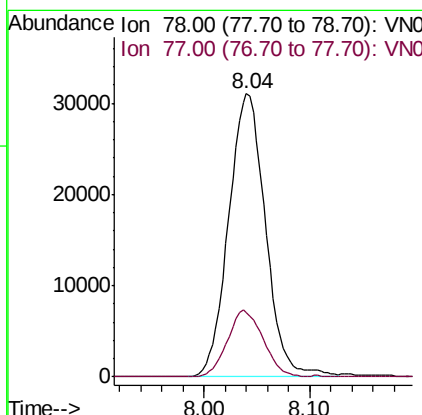
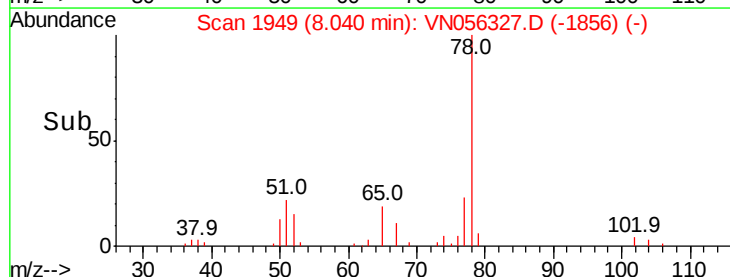
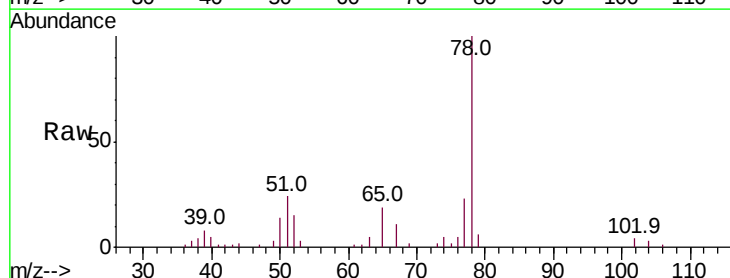
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

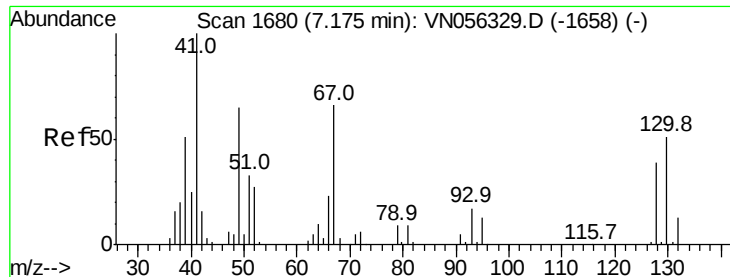
Tot Ion: 83 Resp: 29709
Ion Ratio Lower Upper
83 100
55 76.3 60.8 91.2
98 43.4 36.8 55.2



#40
Benzene
Concen: 4.083 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 78 Resp: 75379
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8

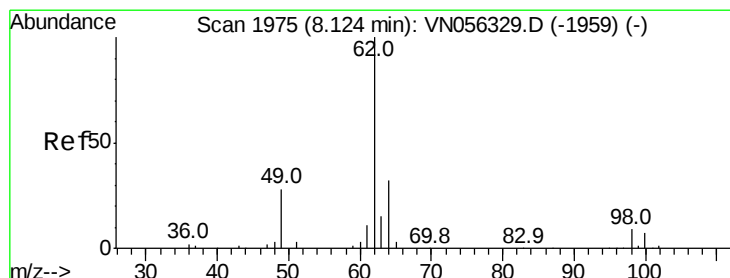
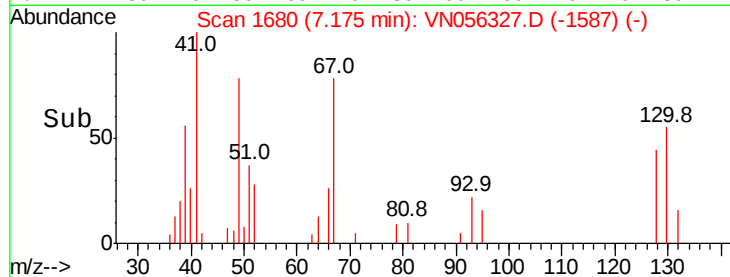
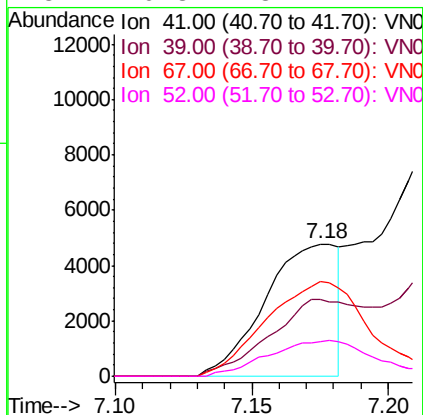
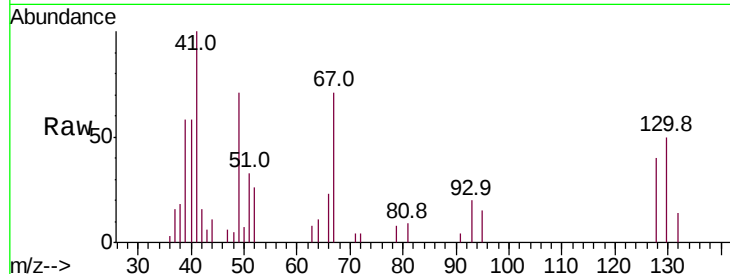




#41
Methacrylonitrile
Concen: 3.308 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

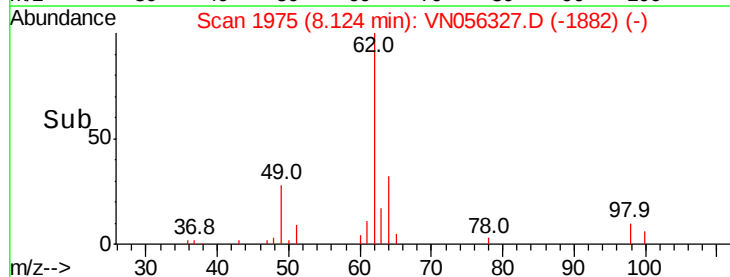
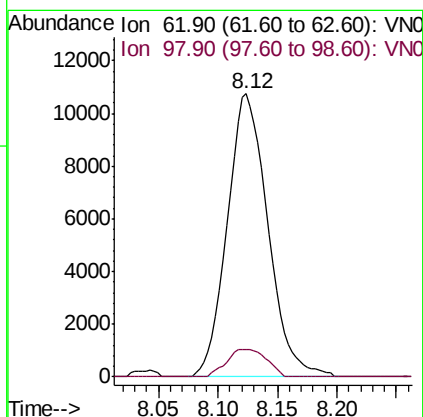
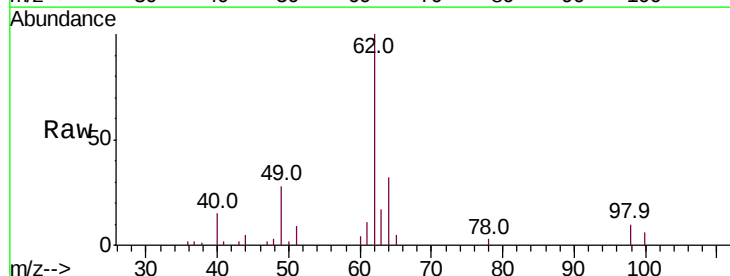
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

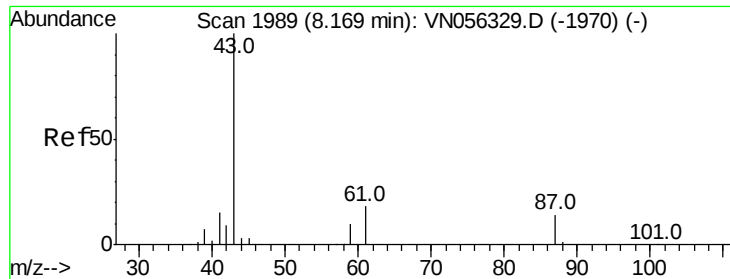
Tot Ion:	41	Resp:	8869
Ion	Ratio	Lower	Upper
41	100		
39	75.9	44.5	66.7#
67	103.2	69.0	103.4
52	40.3	28.1	42.1



#42
1,2-Dichloroethane
Concen: 4.238 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion:	62	Resp:	25436
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 3.953 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

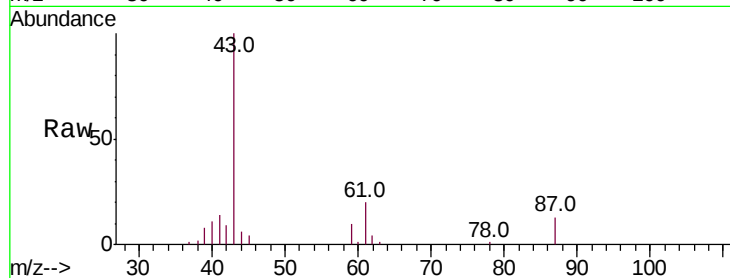
Tot Ion: 43 Resp: 35625

Ion Ratio Lower Upper

43 100

61 20.9 16.6 25.0

87 13.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056327.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056327.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056327.D (-1970) (-)

8.17

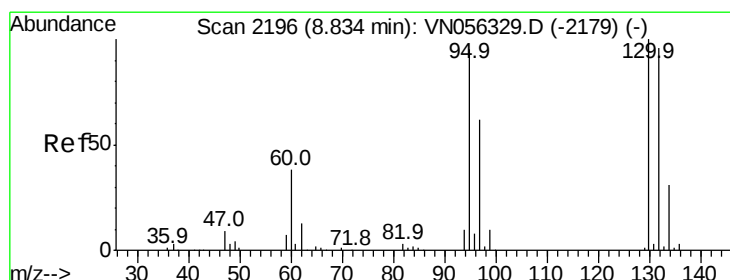
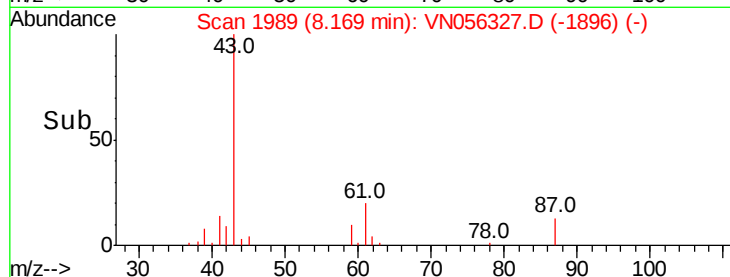
15000

10000

5000

0

Time-->



#44

Trichloroethene

Concen: 3.928 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056327.D

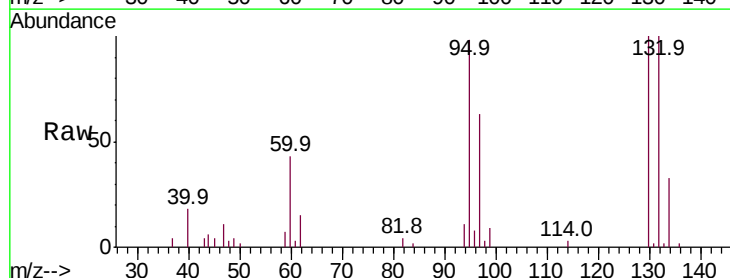
Acq: 17 Jun 2019 9:14

Tgt Ion: 130 Resp: 20272

Ion Ratio Lower Upper

130 100

95 98.6 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056327.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056327.D (-2103) (-)

8.83

10000

8000

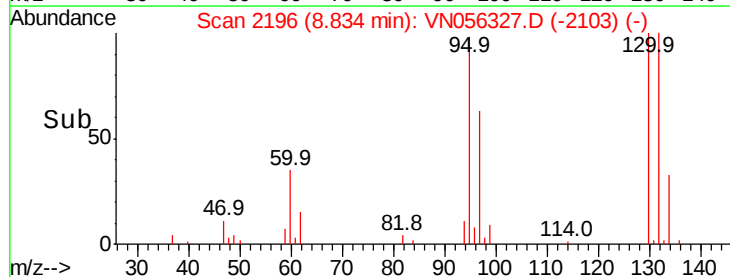
6000

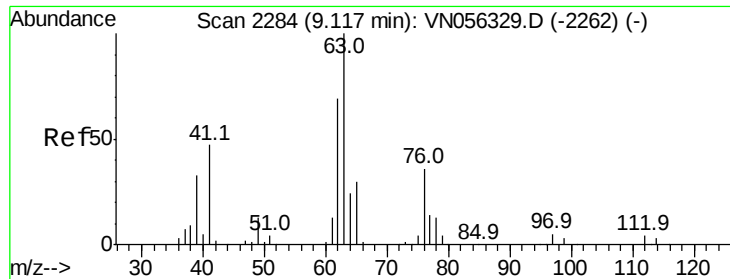
4000

2000

0

Time-->





#45

1,2-Dichloropropane

Concen: 3.940 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

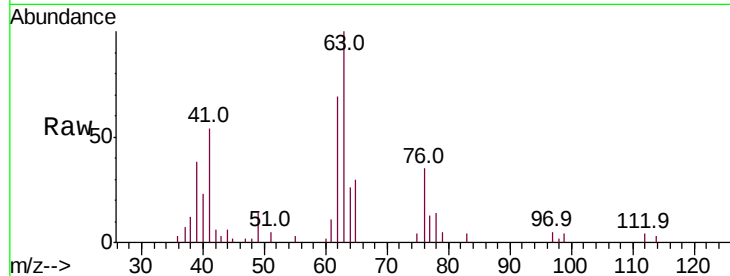
VSTDIC005

Tot Ion: 63 Resp: 19007

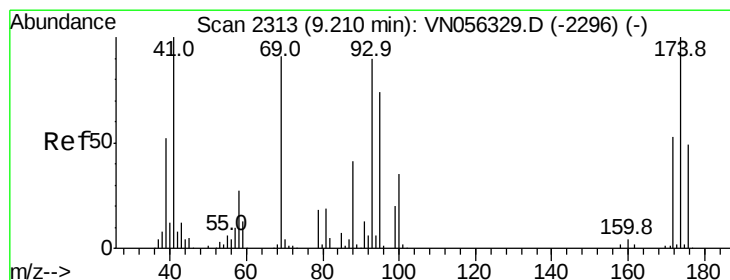
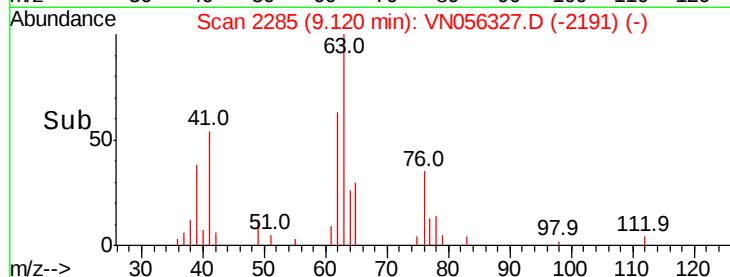
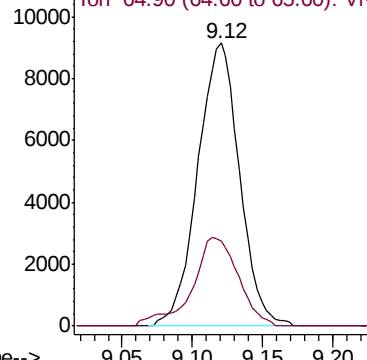
Ion Ratio Lower Upper

63 100

65 29.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 4.184 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

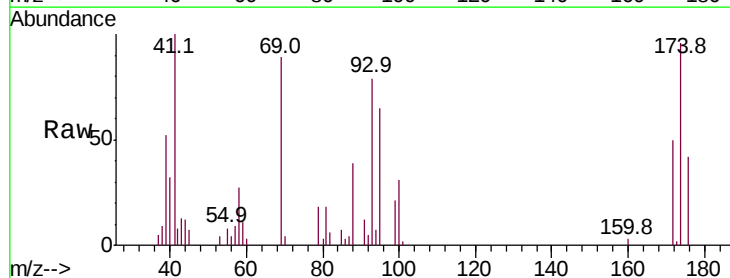
Tgt Ion: 93 Resp: 13215

Ion Ratio Lower Upper

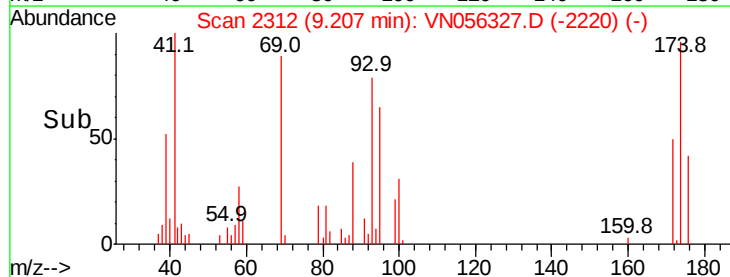
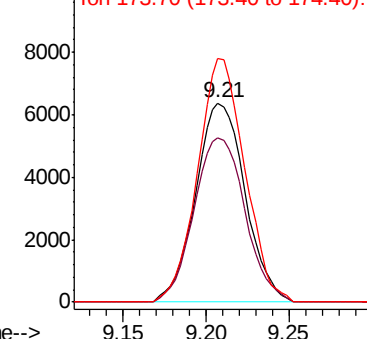
93 100

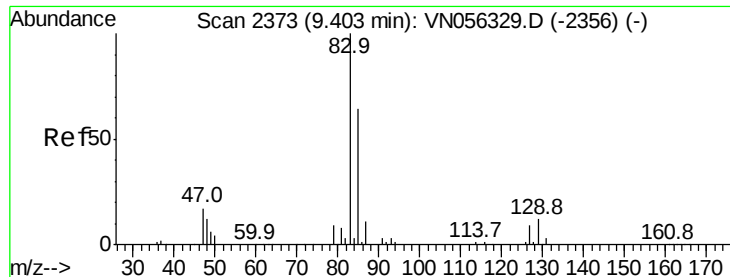
95 85.3 67.2 100.8

174 116.5 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.177 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

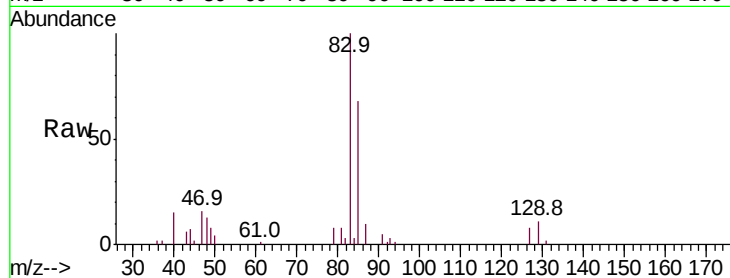
Tot Ion: 83 Resp: 24510

Ion Ratio Lower Upper

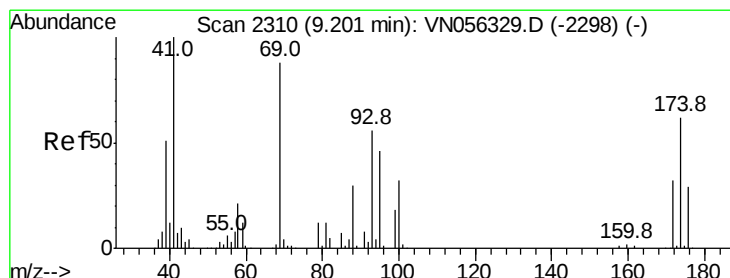
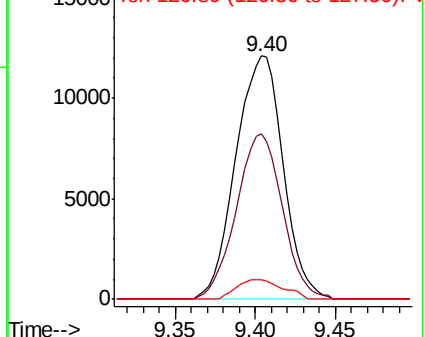
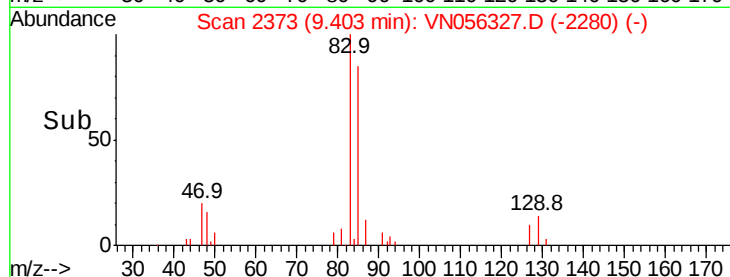
83 100

85 67.7 51.1 76.7

127 8.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056327.D (-2280) (-)



#48

Methyl methacrylate

Concen: 3.946 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

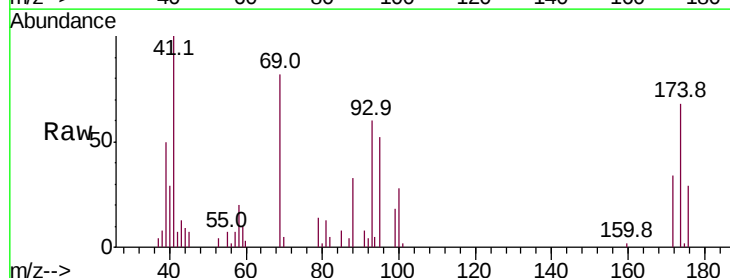
Tgt Ion: 41 Resp: 17752

Ion Ratio Lower Upper

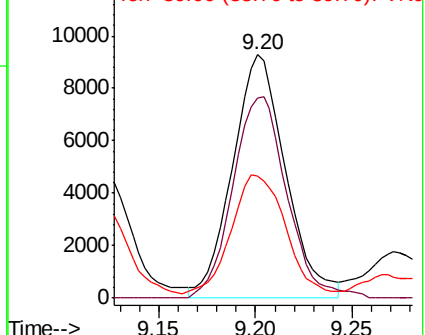
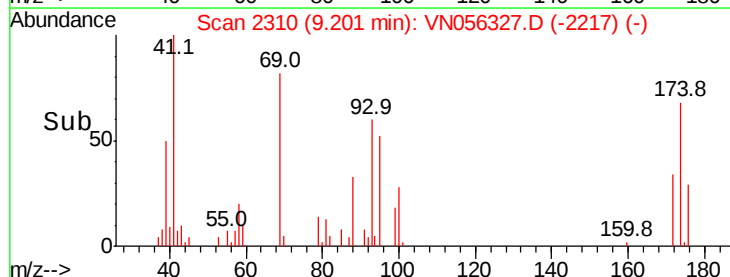
41 100

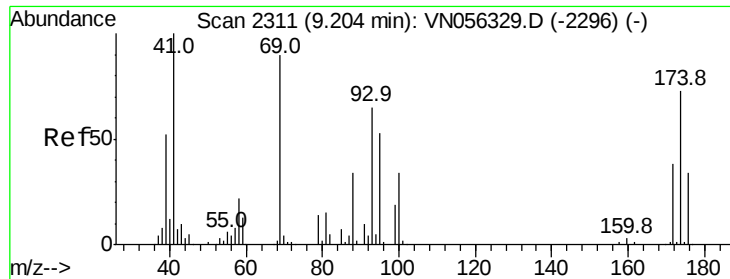
69 84.3 71.0 106.6

39 49.9 41.7 62.5



Abundance Ion 41.00 (40.70 to 41.70): VN056327.D (-2217) (-)





#49

1,4-Dioxane

Concen: 78.977 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

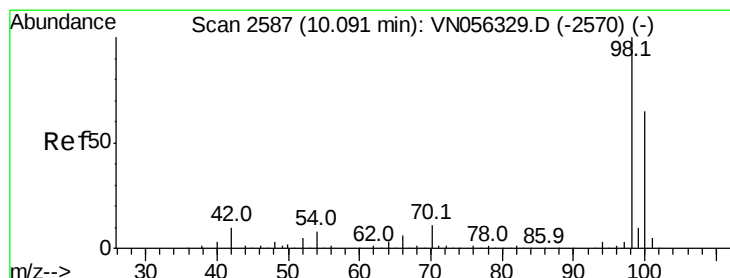
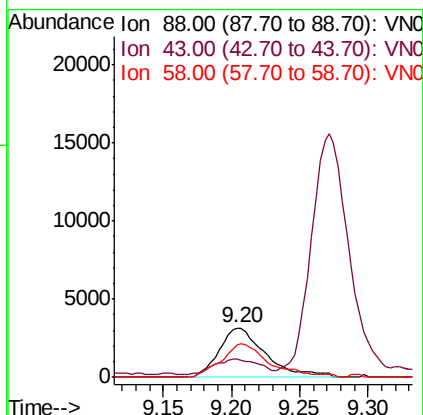
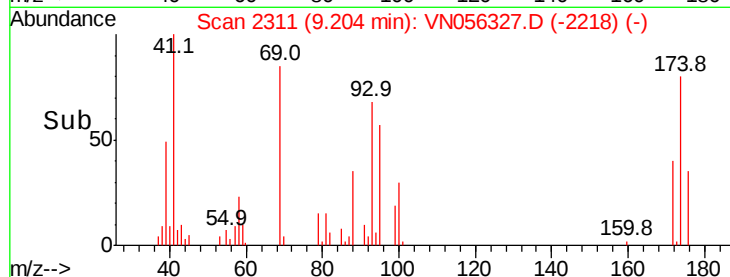
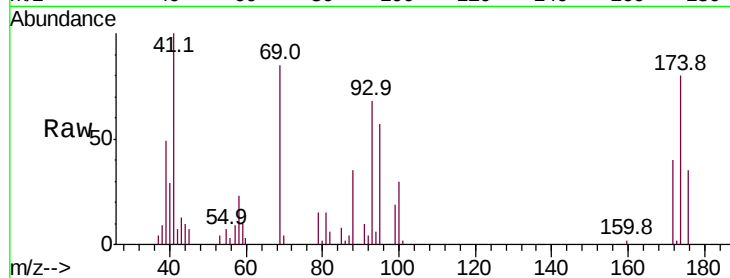
Tot Ion: 88 Resp: 7432

Ion Ratio Lower Upper

88 100

43 29.9 21.9 32.9

58 69.1 57.3 85.9



#50

Toluene-d8

Concen: 3.655 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056327.D

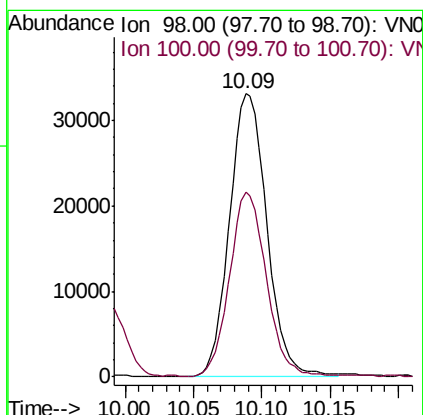
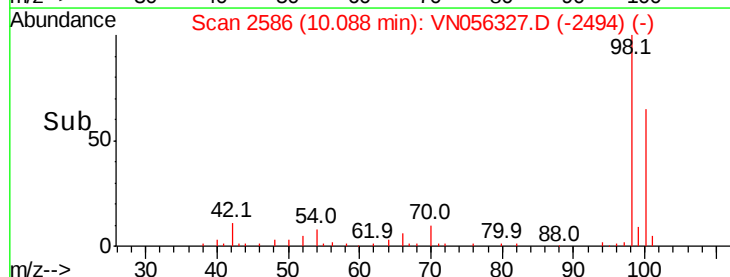
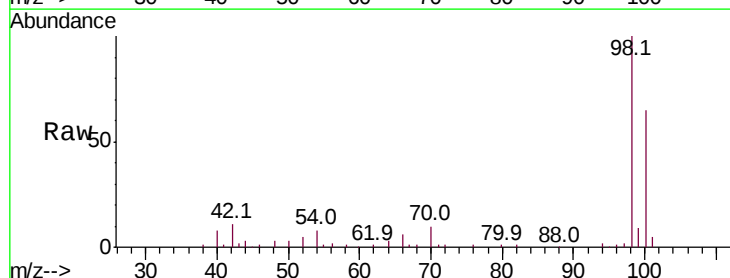
Acq: 17 Jun 2019 9:14

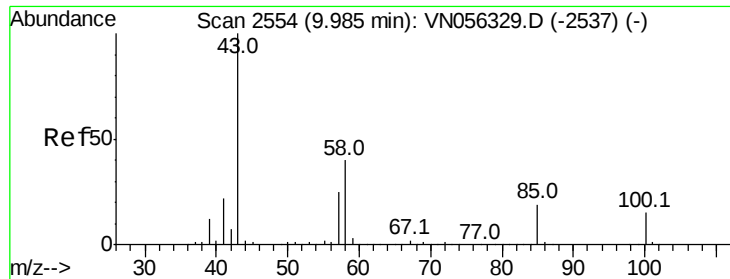
Tgt Ion: 98 Resp: 63256

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 19.738 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

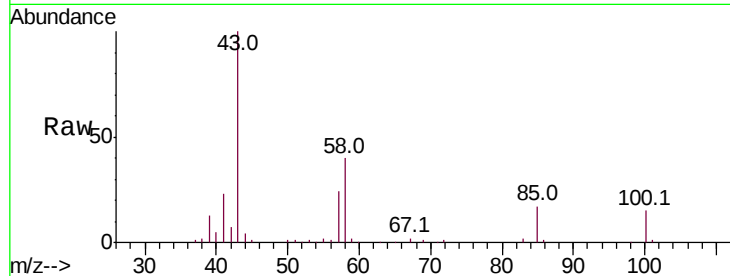
VSTDIC005

Tot Ion: 43 Resp: 113424

Ion Ratio Lower Upper

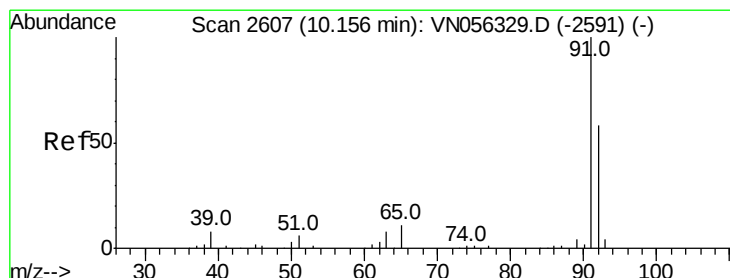
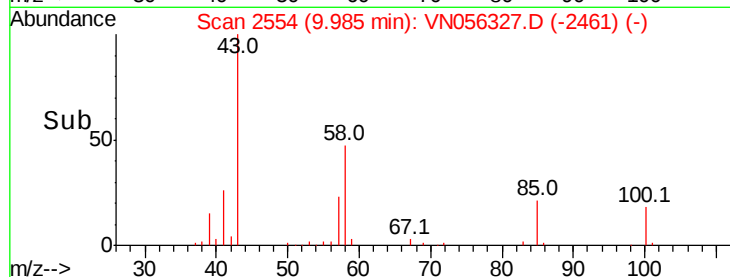
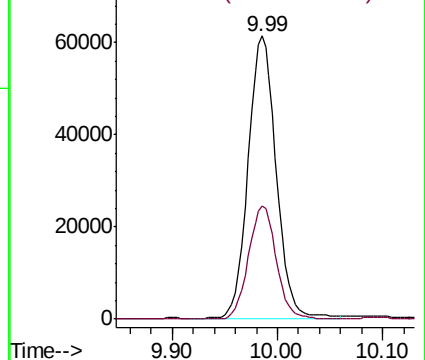
43 100

58 39.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 3.905 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056327.D

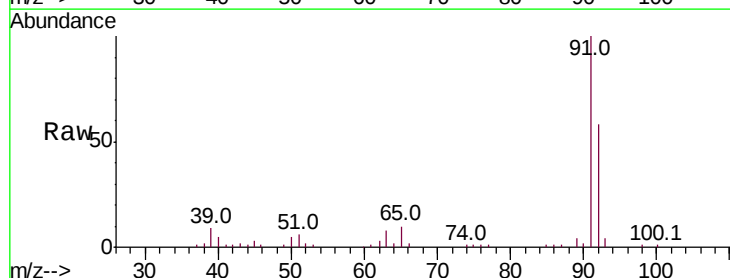
Acq: 17 Jun 2019 9:14

Tgt Ion: 92 Resp: 44792

Ion Ratio Lower Upper

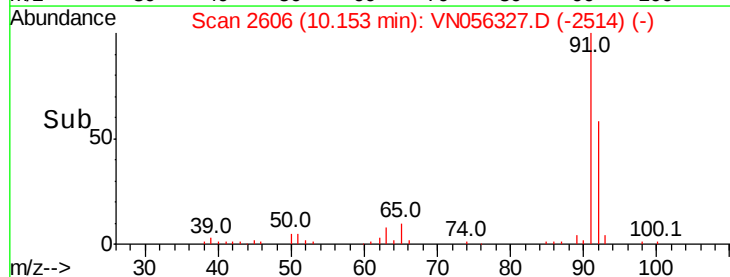
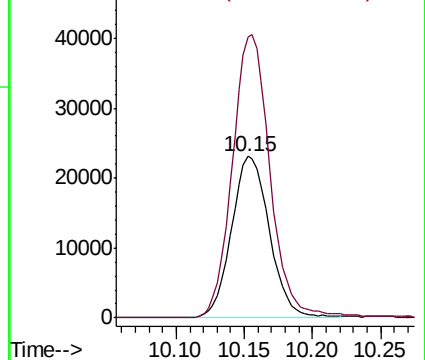
92 100

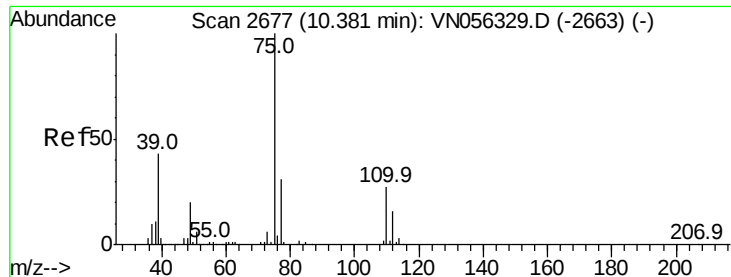
91 174.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 3.599 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

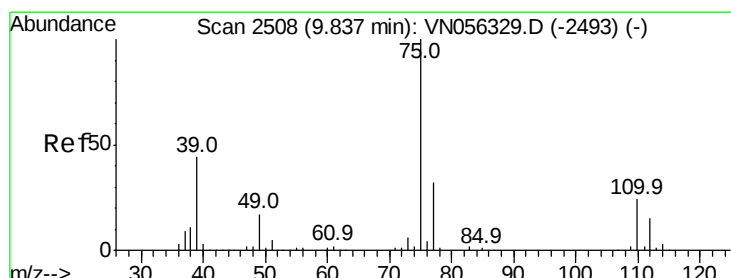
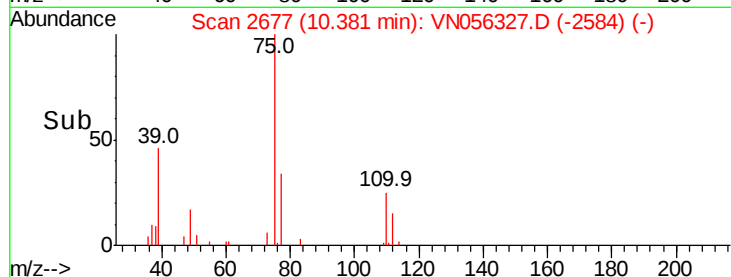
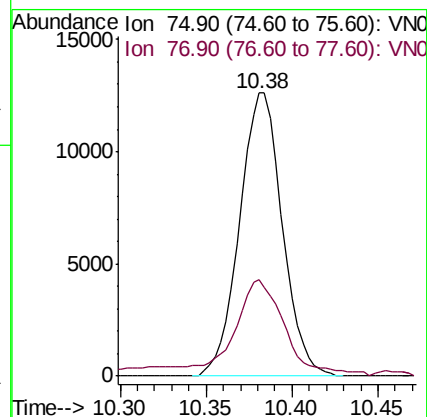
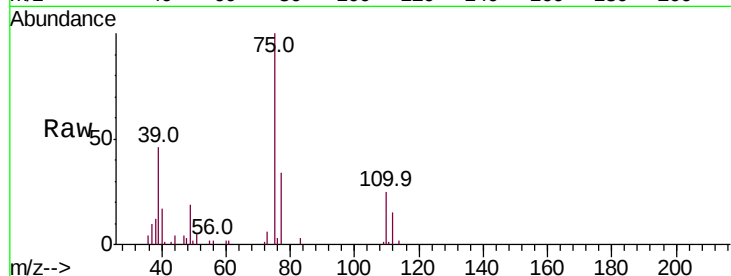
VSTDIC005

Tot Ion: 75 Resp: 21766

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 3.839 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

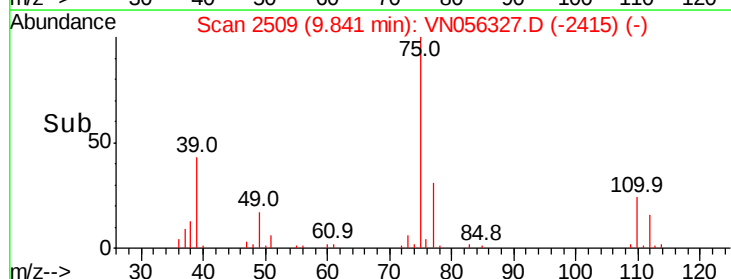
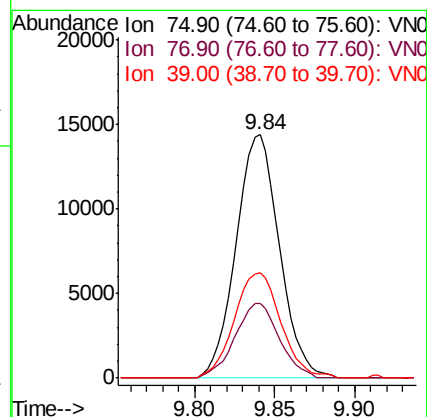
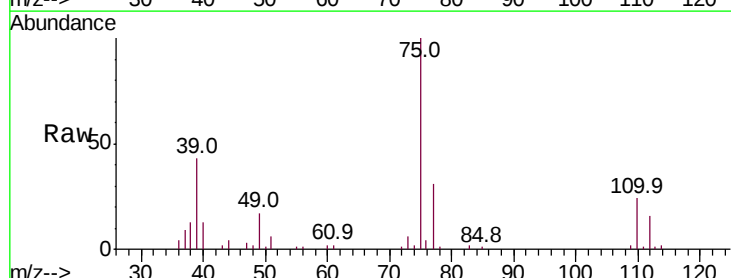
Tgt Ion: 75 Resp: 26671

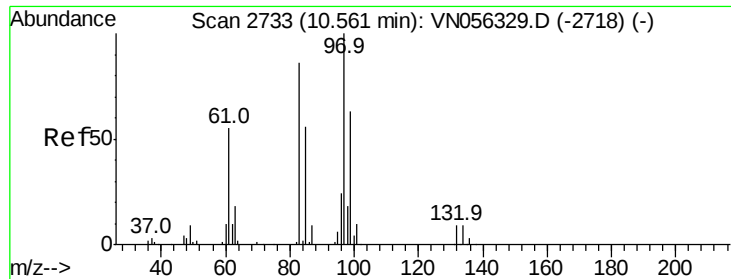
Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5

39 43.0 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 4.194 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 19113

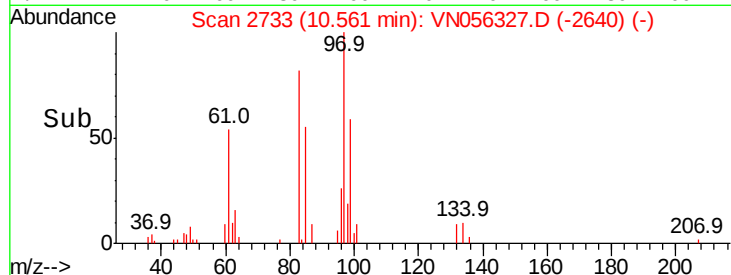
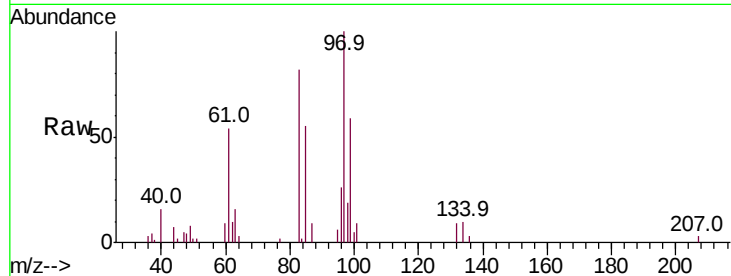
Ion	Ratio	Lower	Upper
97	100		
83	82.3	69.0	103.4
85	54.6	44.6	67.0
99	59.1	50.5	75.7

97 100

83 82.3 69.0 103.4

85 54.6 44.6 67.0

99 59.1 50.5 75.7

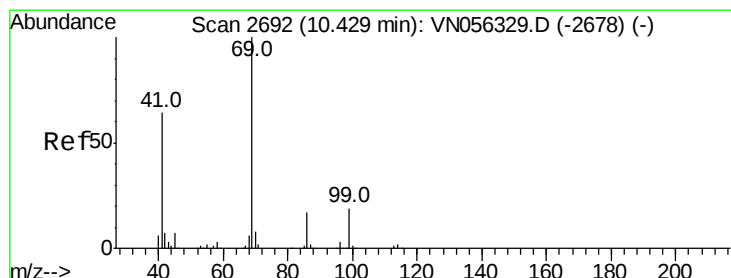
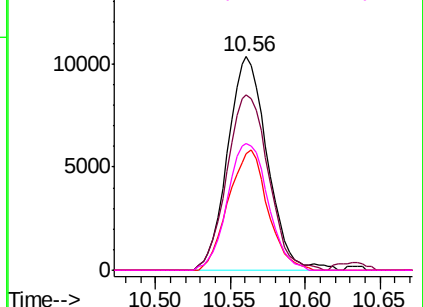


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 3.579 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

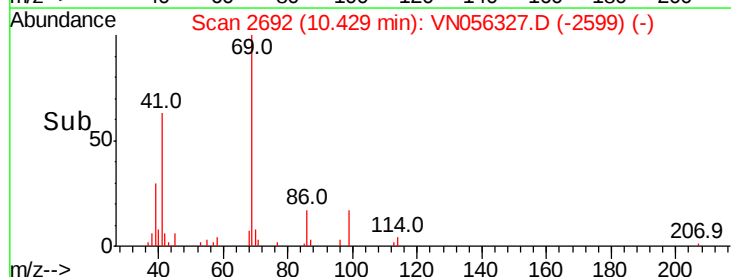
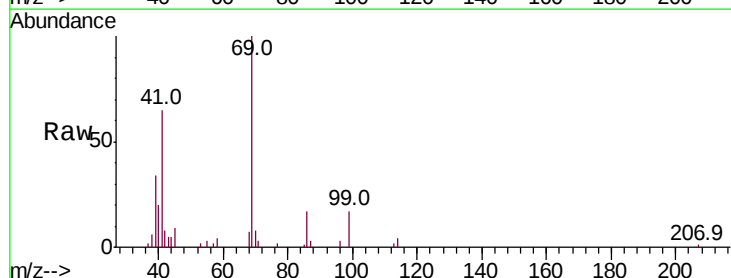
Tgt Ion: 69 Resp: 24379

Ion	Ratio	Lower	Upper
69	100		
41	68.5	52.0	78.0
39	32.5	24.4	36.6

69 100

41 68.5 52.0 78.0

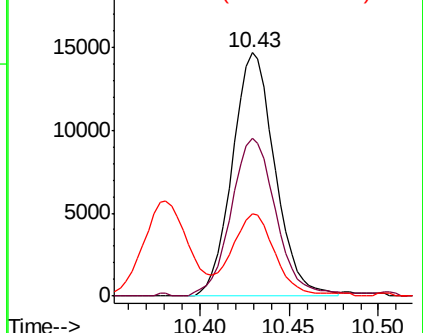
39 32.5 24.4 36.6

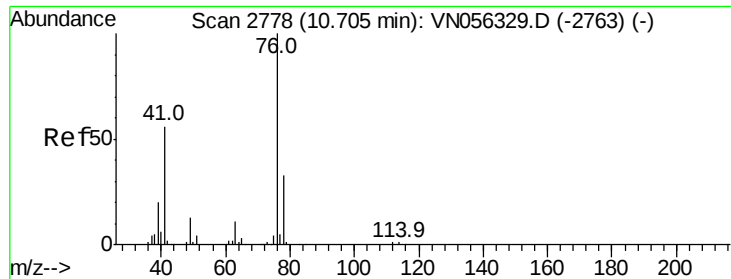


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 4.021 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

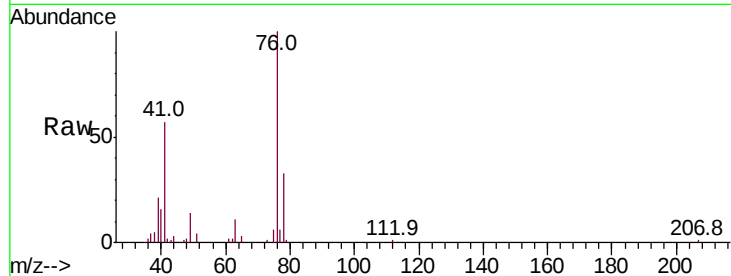
VSTDIC005

Tot Ion: 76 Resp: 30381

Ion Ratio Lower Upper

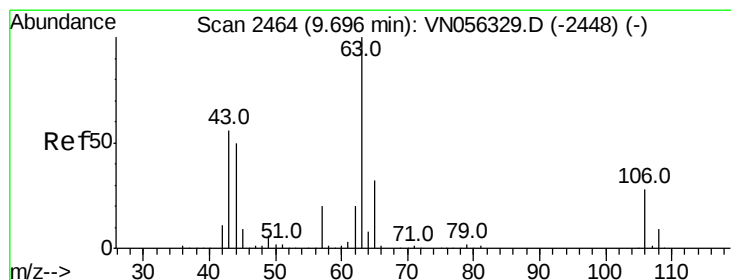
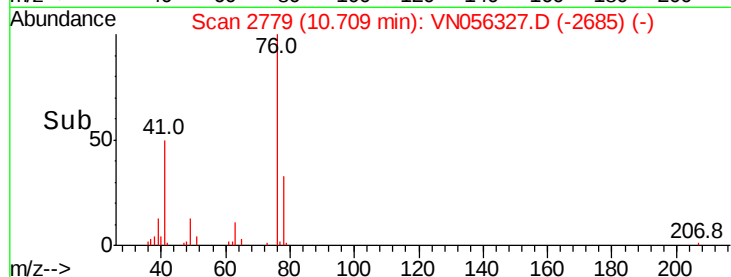
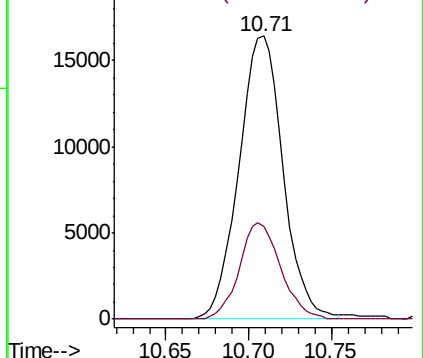
76 100

78 31.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 15.510 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056327.D

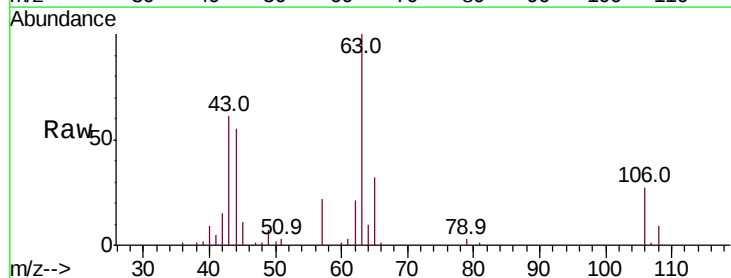
Acq: 17 Jun 2019 9:14

Tgt Ion: 63 Resp: 35637

Ion Ratio Lower Upper

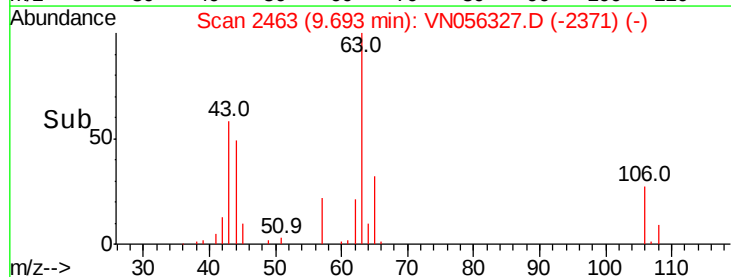
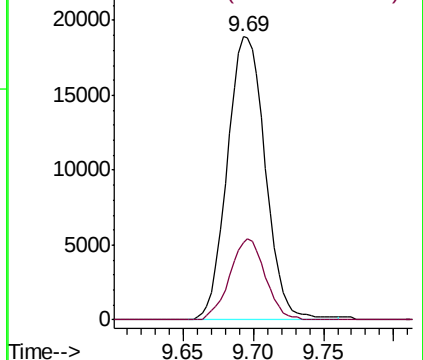
63 100

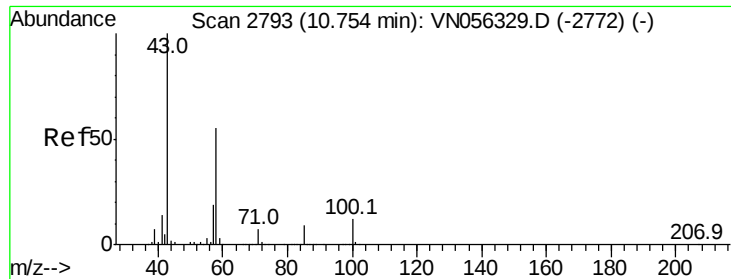
106 26.8 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 19.765 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

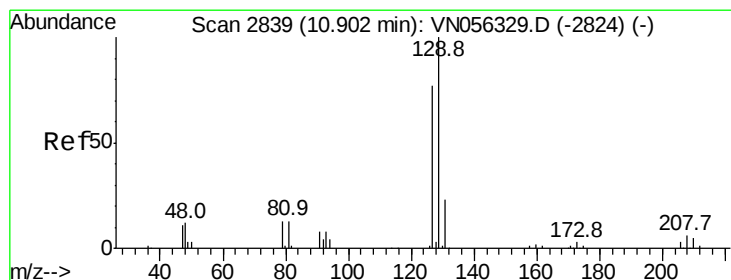
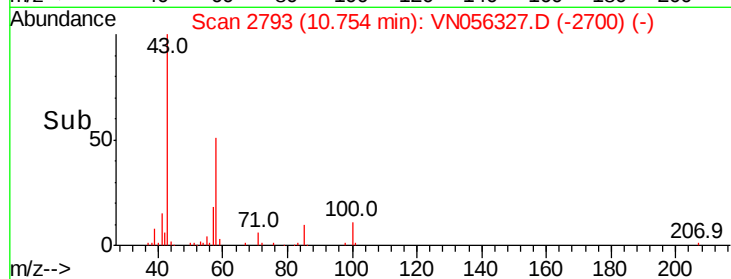
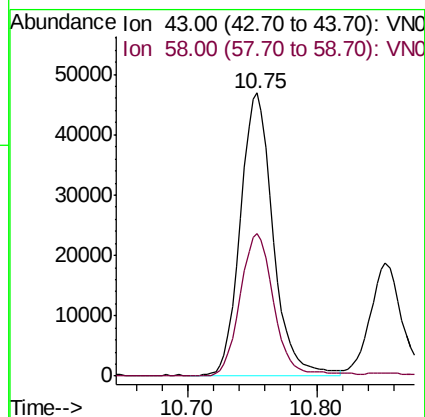
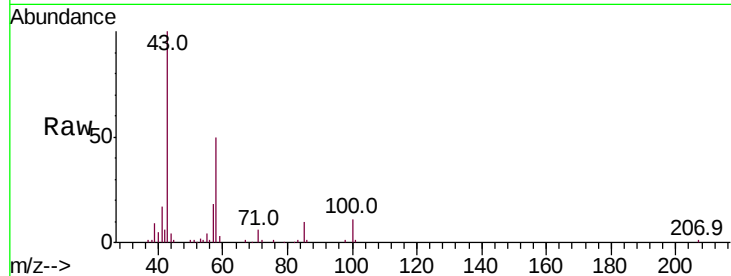
VSTDIC005

Tot Ion: 43 Resp: 83134

Ion Ratio Lower Upper

43 100

58 51.7 27.8 83.4



#60

Dibromochloromethane

Concen: 4.094 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056327.D

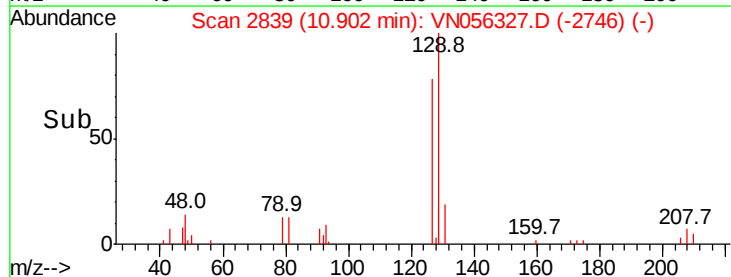
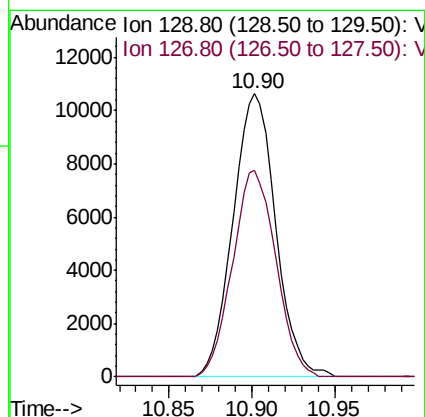
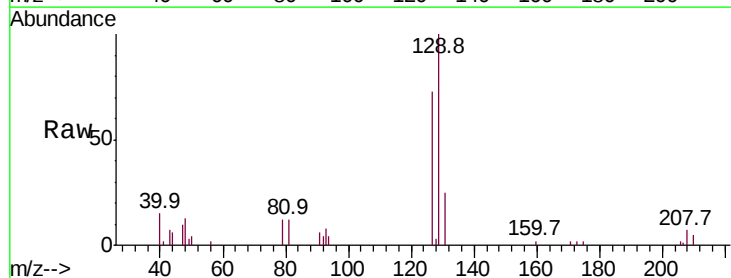
Acq: 17 Jun 2019 9:14

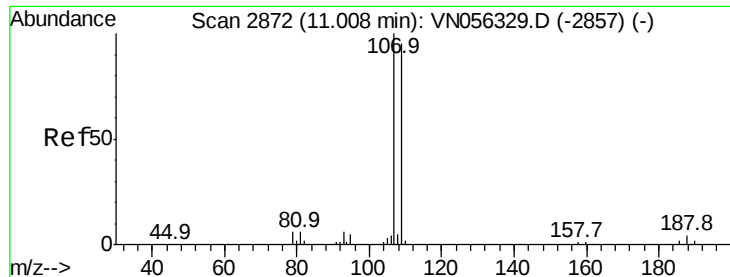
Tgt Ion: 129 Resp: 19008

Ion Ratio Lower Upper

129 100

127 74.1 38.6 116.0

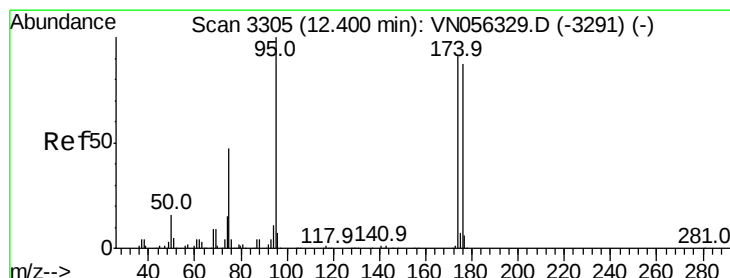
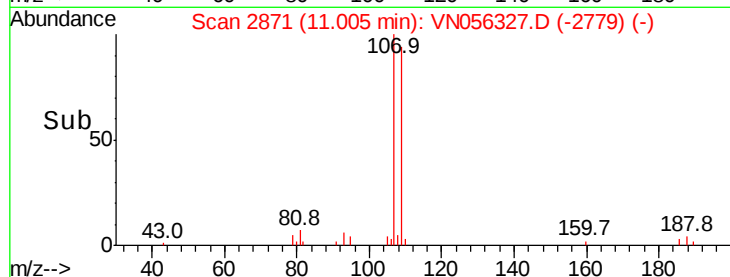
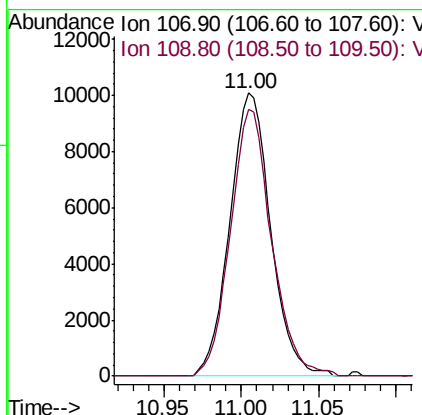
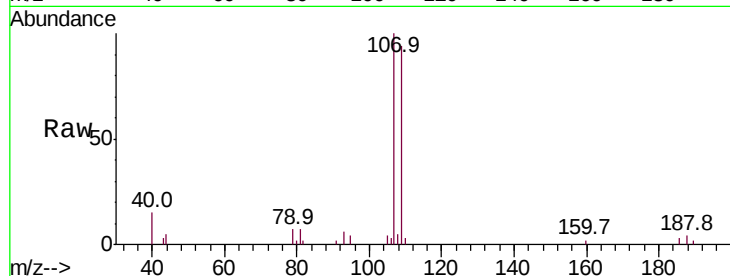




#61
 1,2-Dibromoethane
 Concen: 3.900 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

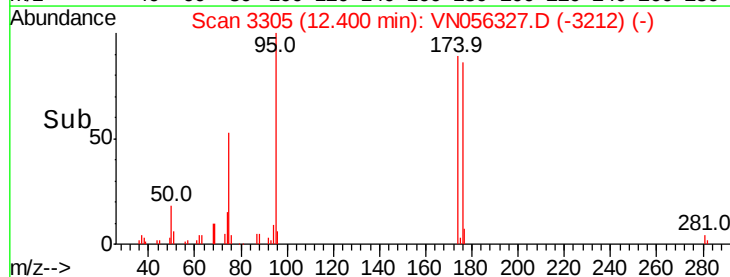
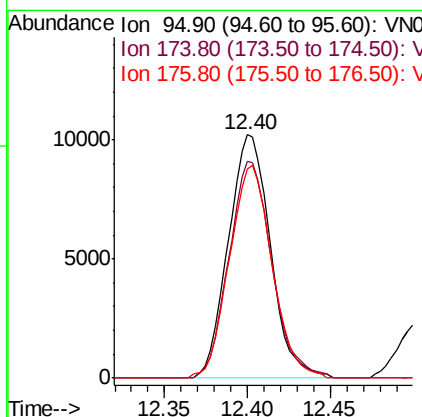
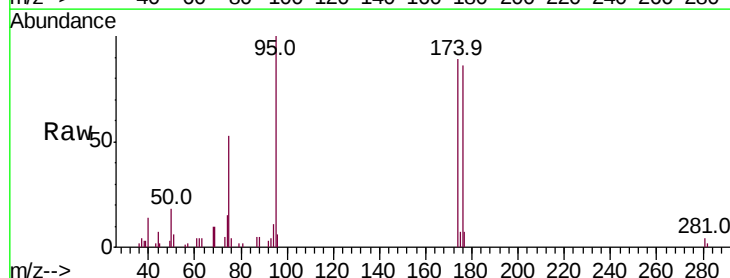
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

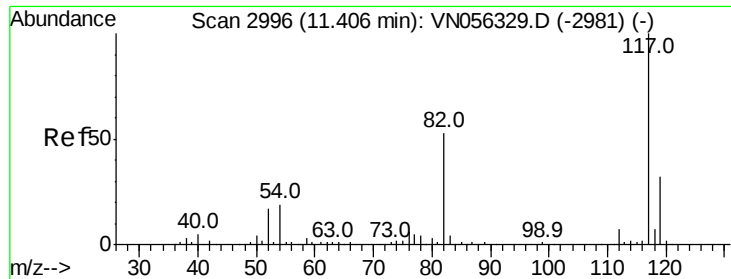
Tot Ion:107 Resp: 18469
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 3.045 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Tgt Ion: 95 Resp: 18004
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 182.6
 176 88.6 0.0 176.8

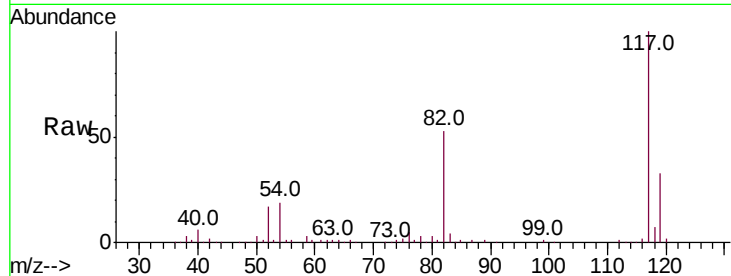




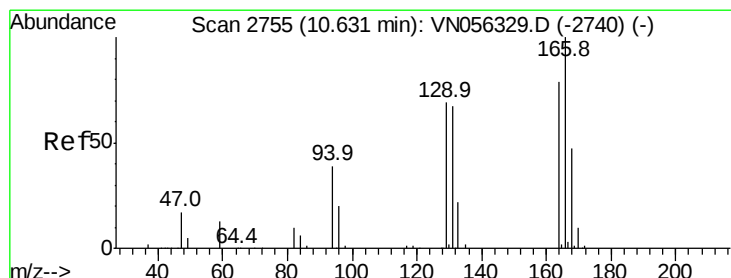
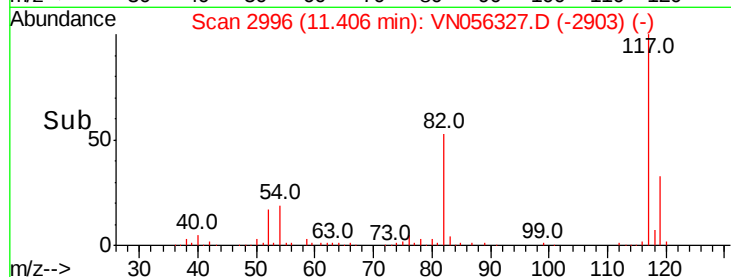
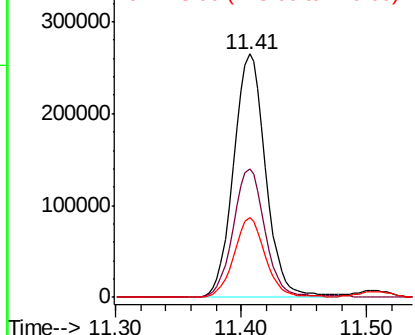
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 471896
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 32.8 26.0 39.0

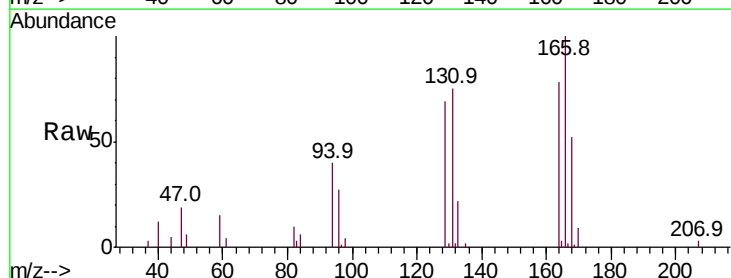


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

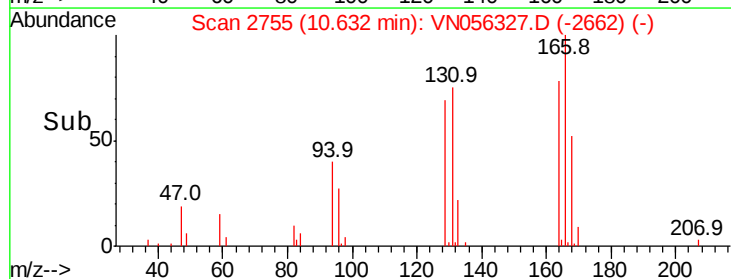
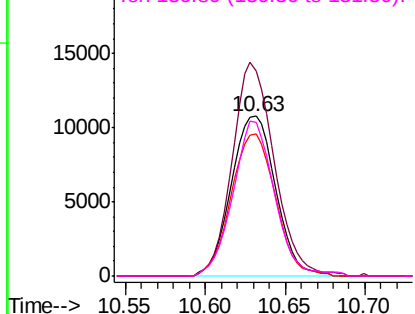


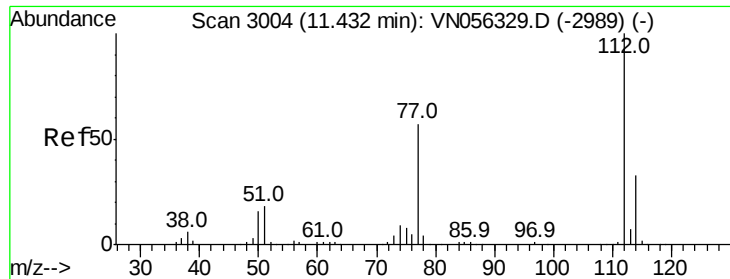
#64
Tetrachloroethene
Concen: 4.114 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion:164 Resp: 20428
Ion Ratio Lower Upper
164 100
166 128.5 101.8 152.6
129 88.9 70.3 105.5
131 95.9 68.2 102.4



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





#65

Chlorobenzene

Concen: 4.027 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

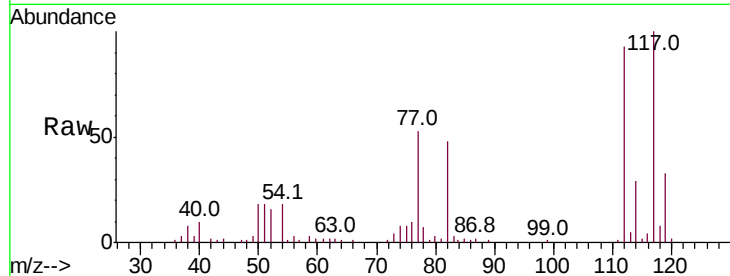
VSTDIC005

Tot Ion:112 Resp: 47822

Ion Ratio Lower Upper

112 100

114 31.6 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

25000

20000

15000

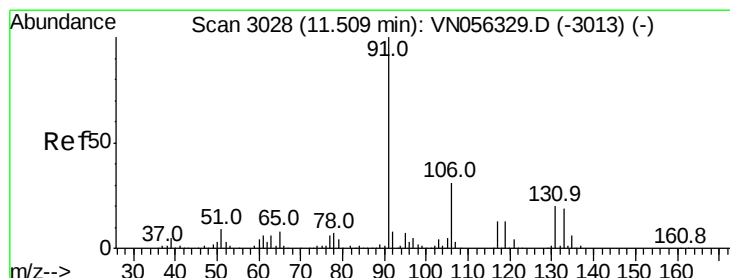
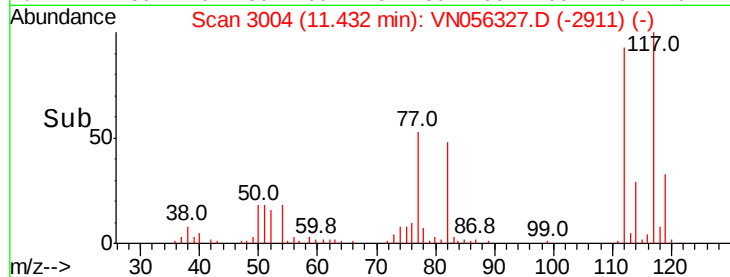
10000

5000

0

Time-->

11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 4.404 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

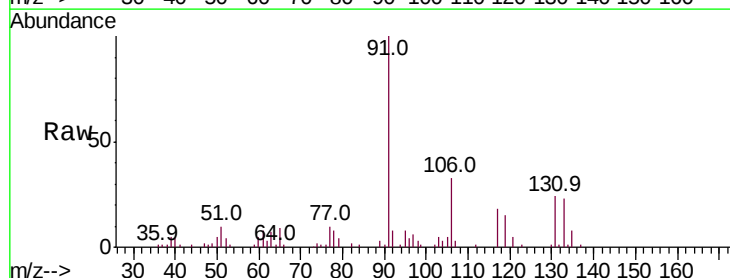
Tgt Ion:131 Resp: 18431

Ion Ratio Lower Upper

131 100

133 91.5 47.9 143.7

119 67.9 33.5 100.5



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

30000

25000

20000

15000

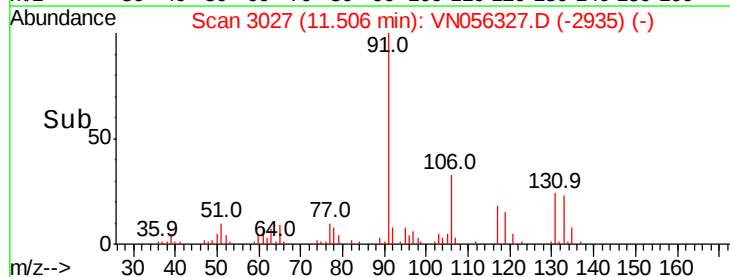
10000

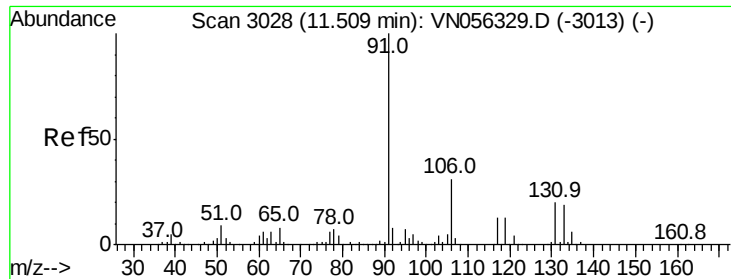
5000

0

Time-->

11.45 11.50 11.55

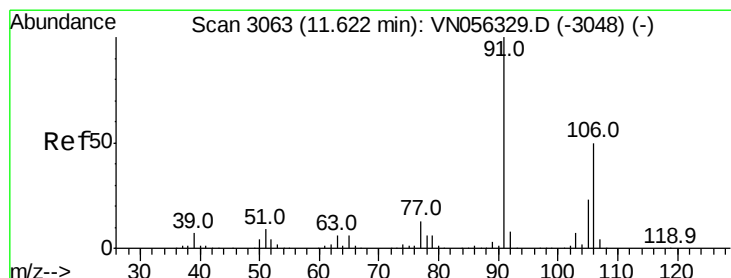
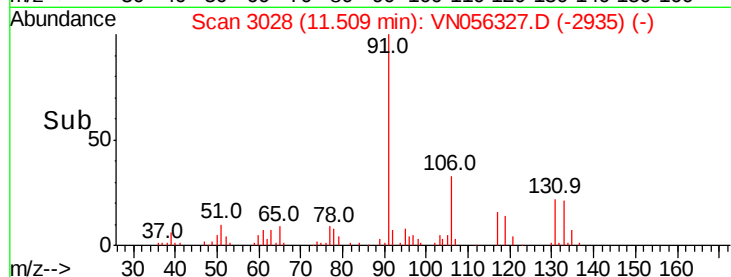
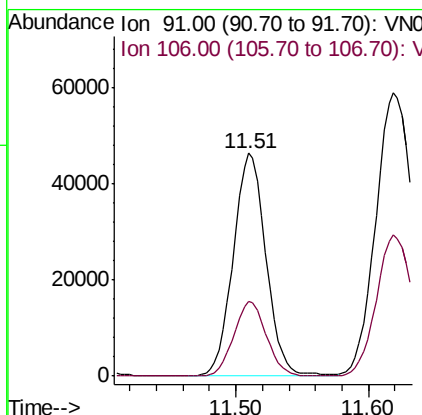
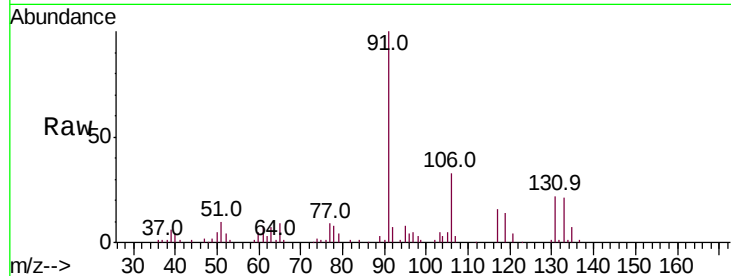




#67
Ethyl Benzene
Concen: 3.848 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

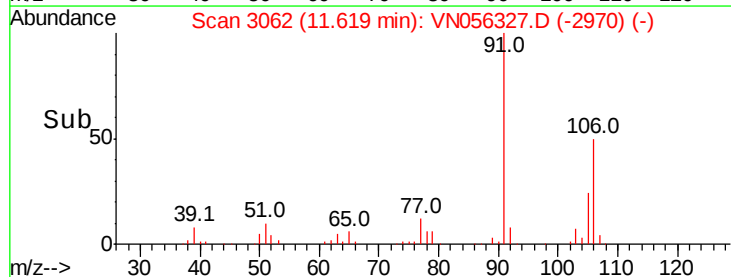
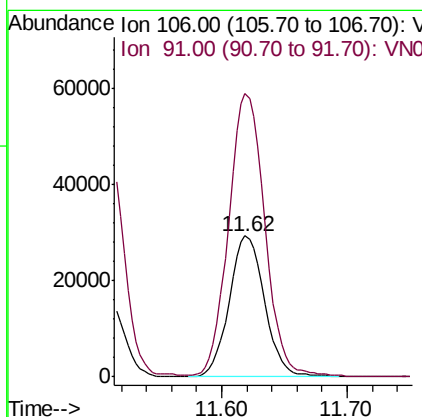
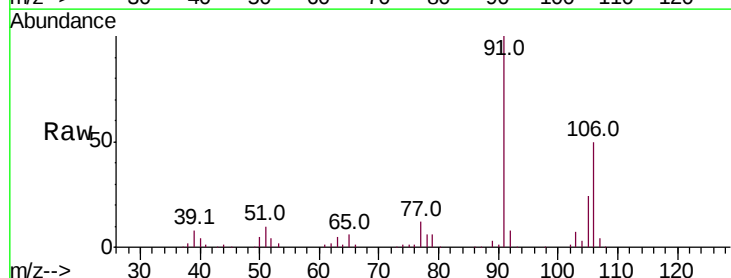
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

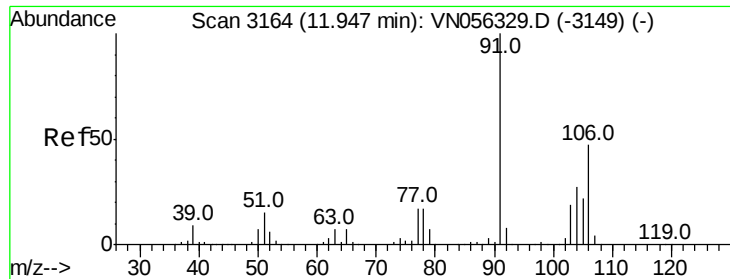
Tot Ion: 91 Resp: 79785
Ion Ratio Lower Upper
91 100
106 33.4 25.0 37.6



#68
m/p-Xylenes
Concen: 7.287 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 106 Resp: 57552
Ion Ratio Lower Upper
106 100
91 206.2 160.7 241.1

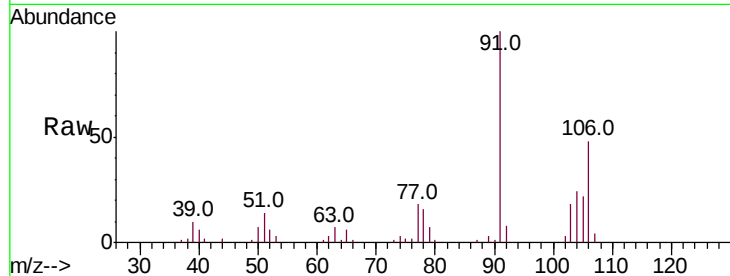




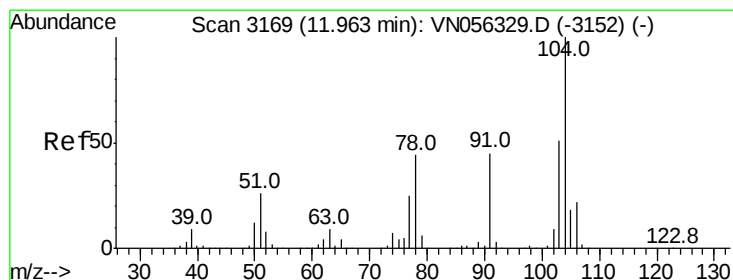
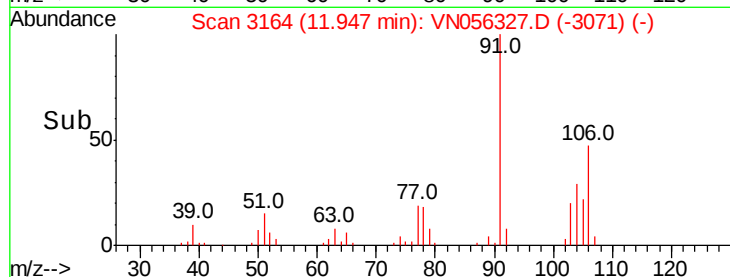
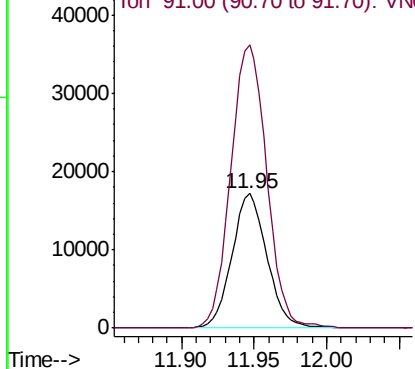
#69
o-Xylene
Concen: 3.729 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 28879
Ion Ratio Lower Upper
106 100
91 215.8 105.6 316.7

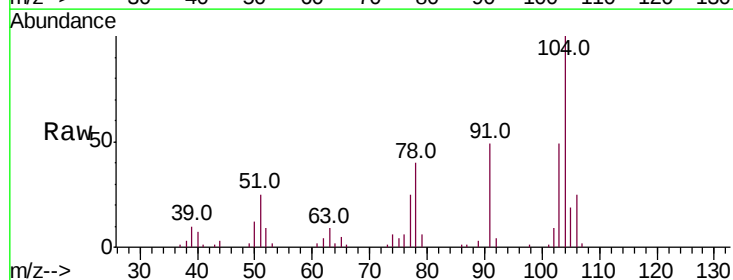


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

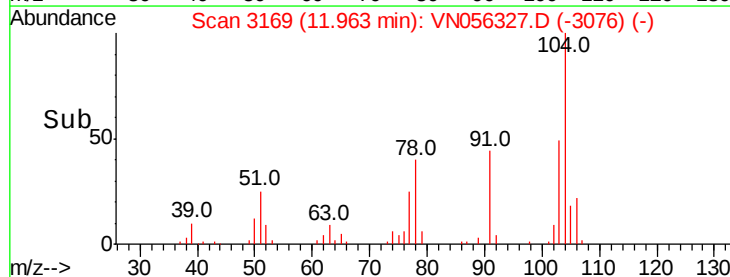
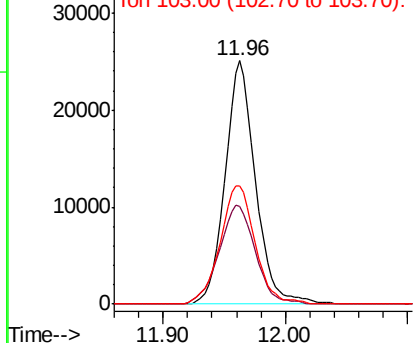


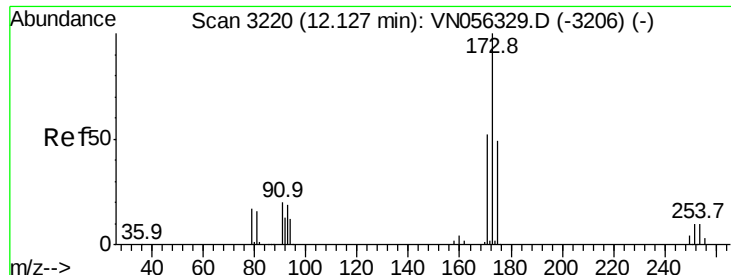
#70
Styrene
Concen: 3.467 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion:104 Resp: 43642
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 56.0 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.901 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

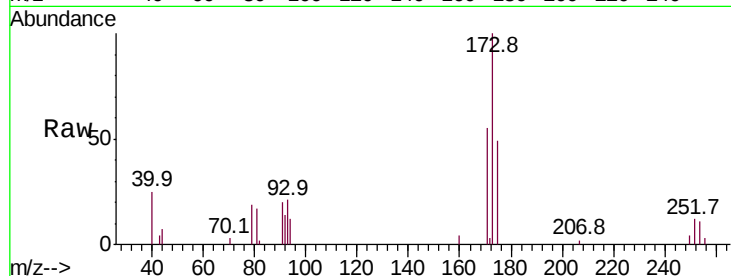
Tot Ion:173 Resp: 12636

Ion Ratio Lower Upper

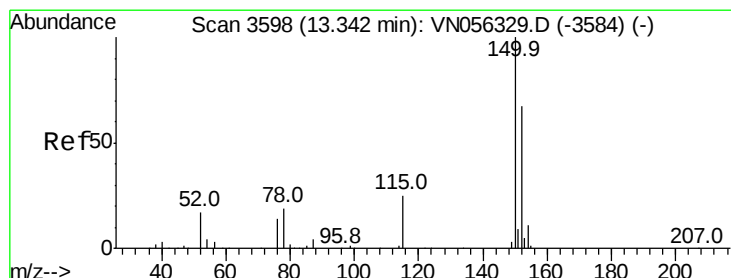
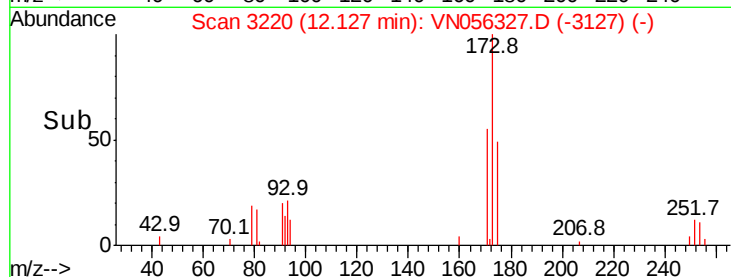
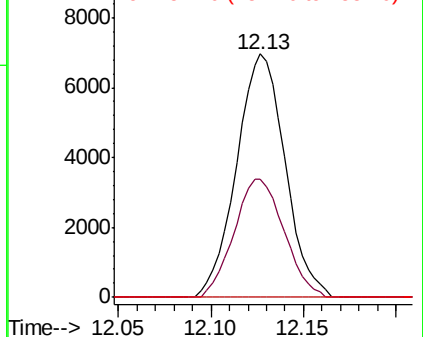
173 100

175 49.9 24.3 73.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

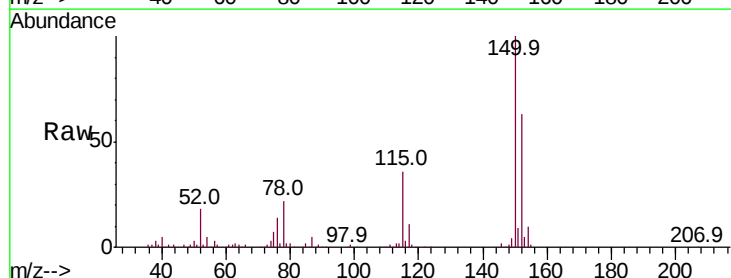
Tgt Ion:152 Resp: 144874

Ion Ratio Lower Upper

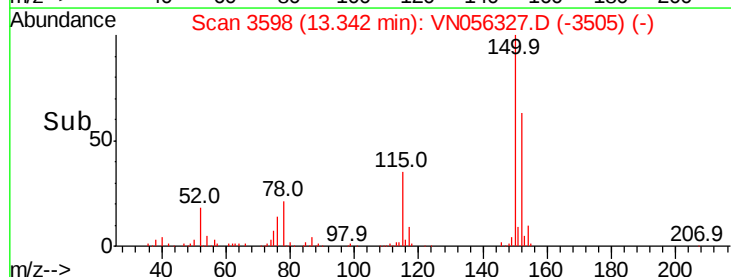
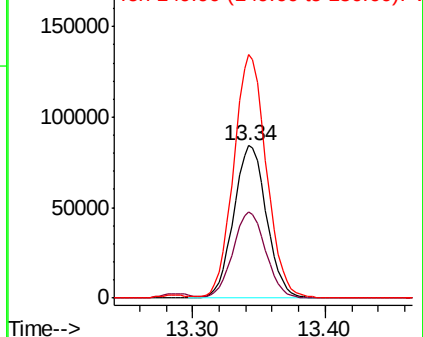
152 100

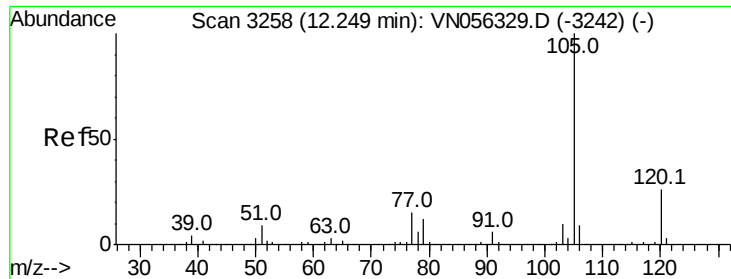
115 56.1 27.8 83.3

150 159.1 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.216 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

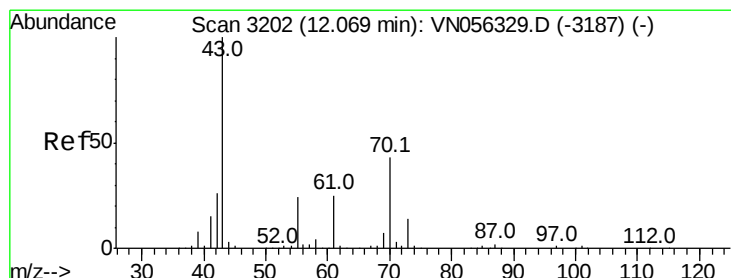
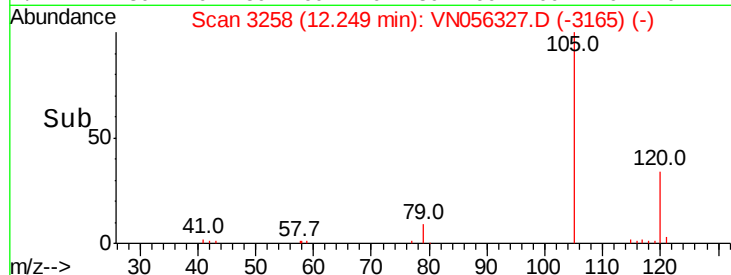
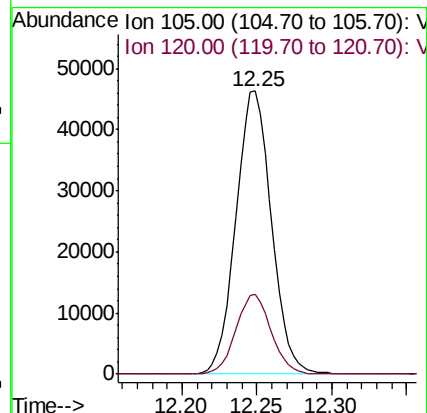
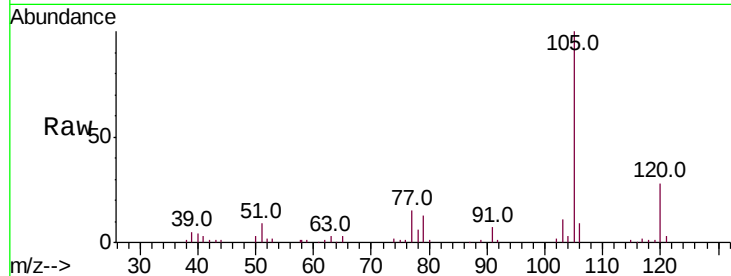
VSTDIC005

Tot Ion:105 Resp: 76704

Ion Ratio Lower Upper

105 100

120 27.8 13.3 39.8



#74

N-ethyl acetate

Concen: 4.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Tgt Ion: 43 Resp: 25348

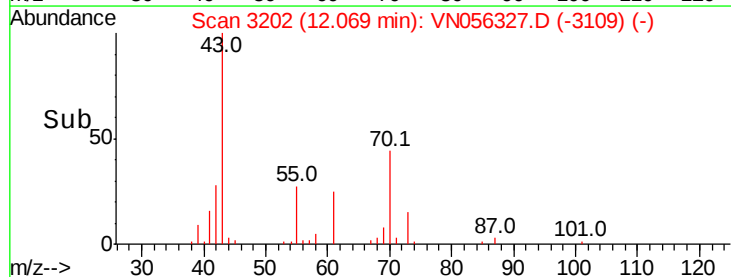
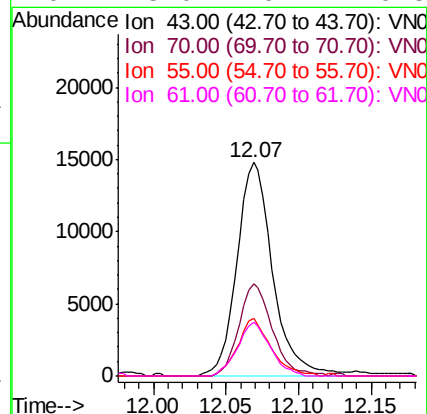
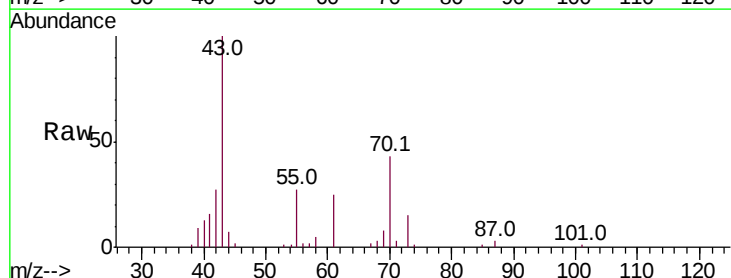
Ion Ratio Lower Upper

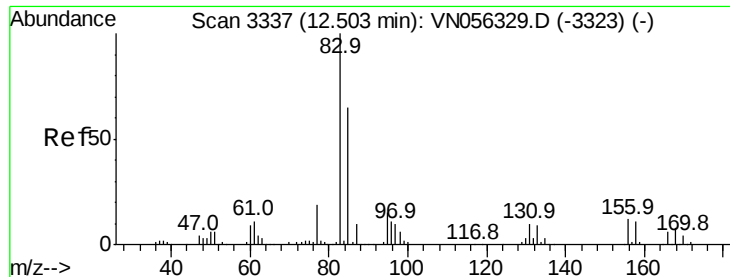
43 100

70 40.2 34.2 51.2

55 25.2 19.9 29.9

61 23.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.771 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

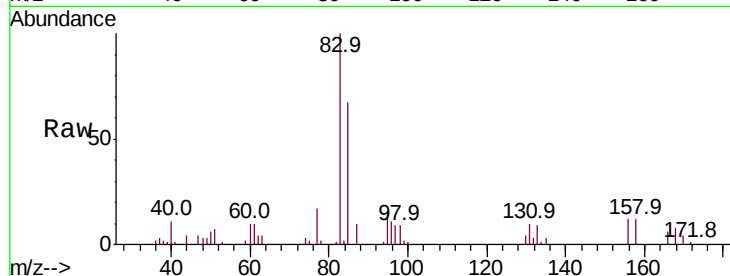
Tot Ion: 83 Resp: 25165

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.8
85	63.3	32.2	96.6

83 100

131 10.3 5.3 15.8

85 63.3 32.2 96.6

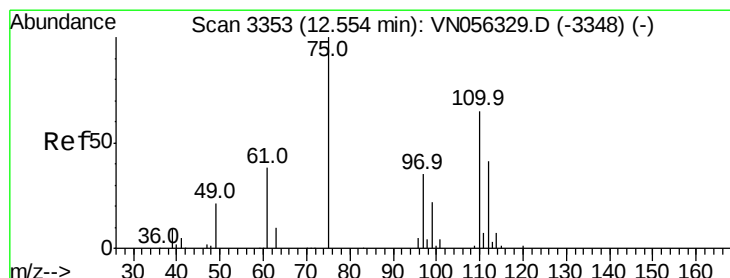
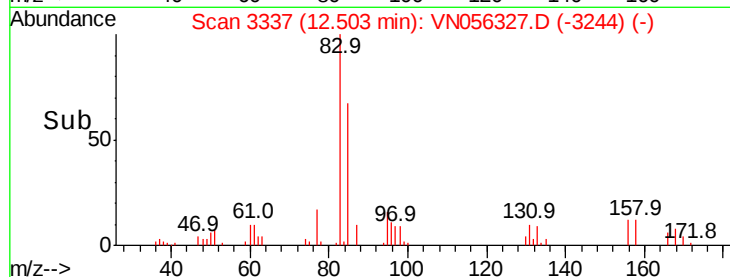
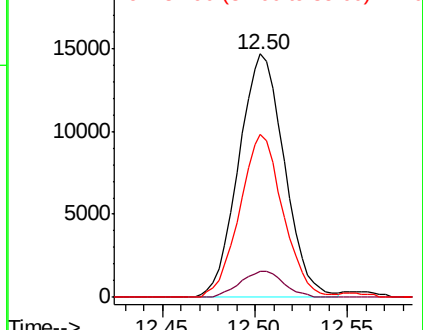


Abundance Ion 82.90 (82.60 to 83.60): VN056327.D (-3337) (-)

20000

Ion 130.80 (130.50 to 131.50): VN056327.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN056327.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 5.260 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056327.D

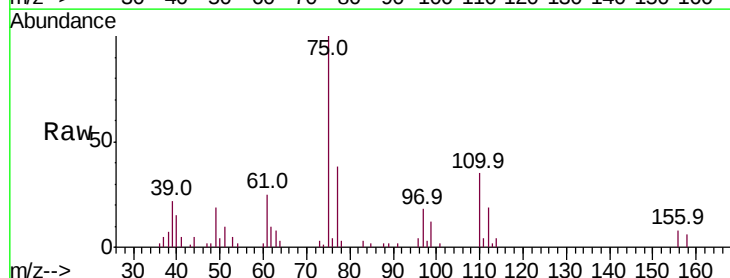
Acq: 17 Jun 2019 9:14

Tgt Ion: 75 Resp: 18385

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

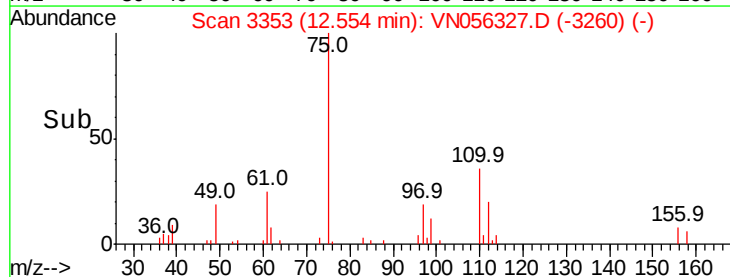
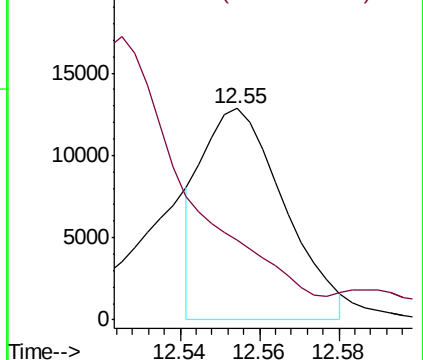
77 0.0 0.0 0.0

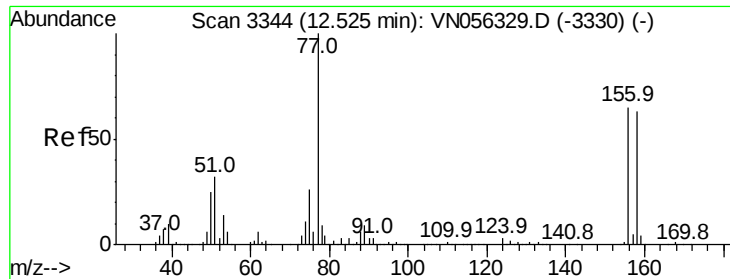


Abundance Ion 74.90 (74.60 to 75.60): VN056327.D (-3353) (-)

20000

Ion 77.00 (76.70 to 77.70): VN056327.D (-3353) (-)





#77

Bromobenzene

Concen: 5.076 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

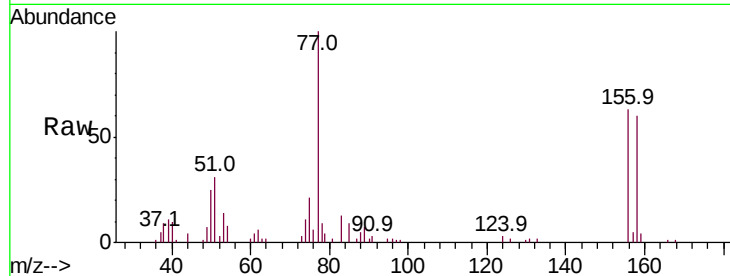
Tot Ion:156 Resp: 19695

Ion Ratio Lower Upper

156 100

77 183.6 92.9 278.7

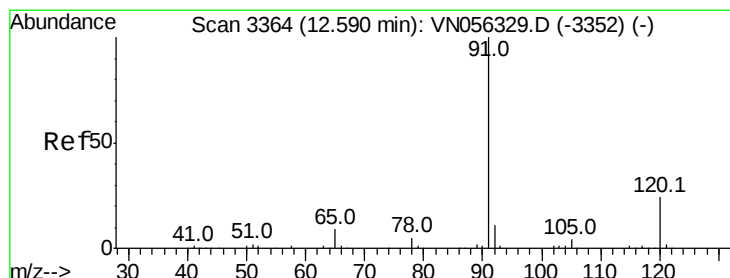
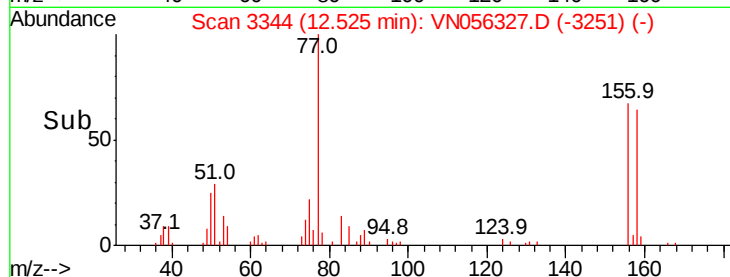
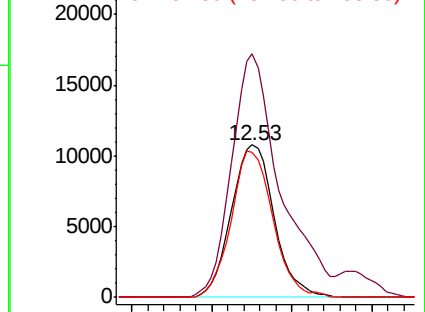
158 93.2 49.0 147.2



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: 4.637 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056327.D

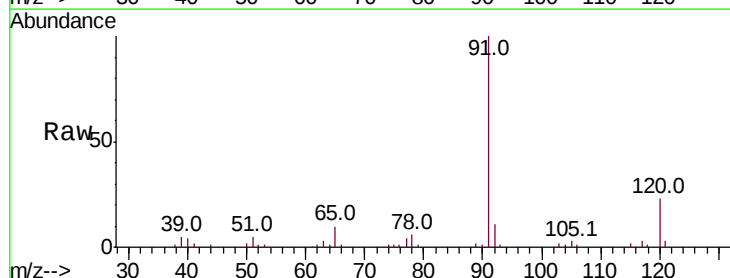
Acq: 17 Jun 2019 9:14

Tgt Ion: 91 Resp: 72838

Ion Ratio Lower Upper

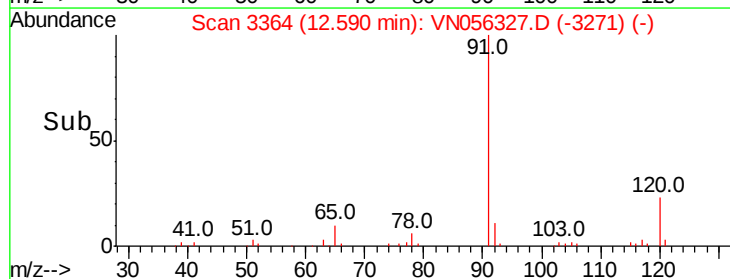
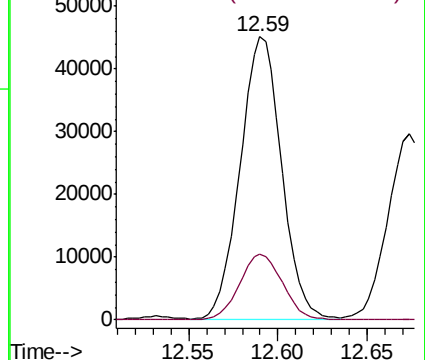
91 100

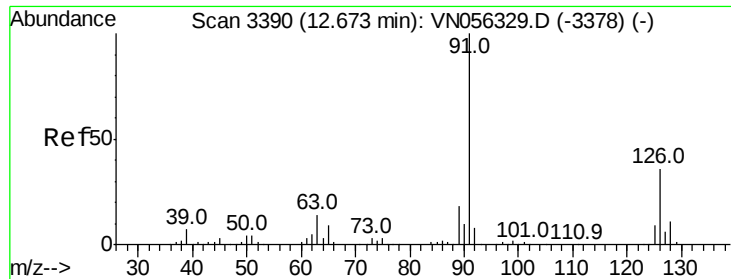
120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.113 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

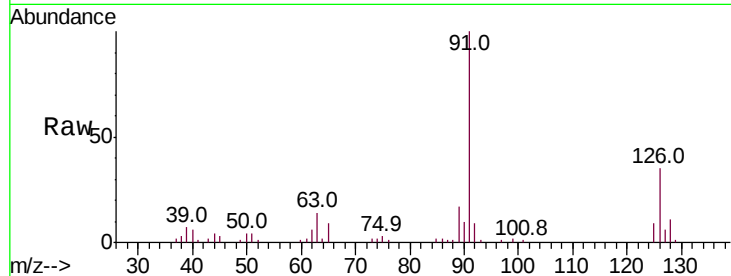
VSTDIC005

Tot Ion: 91 Resp: 49695

Ion Ratio Lower Upper

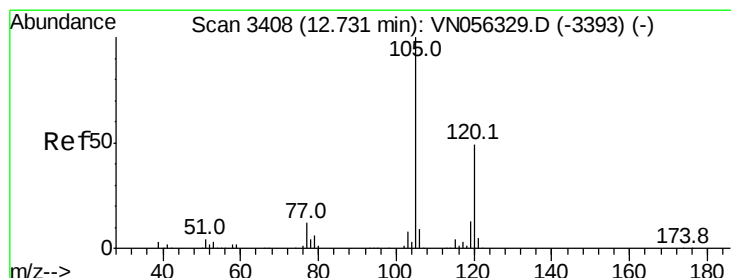
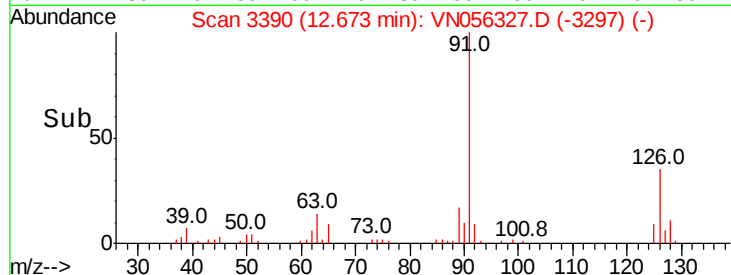
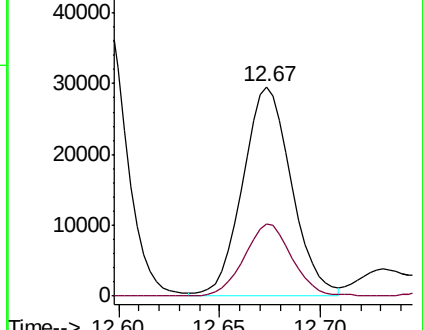
91 100

126 34.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056329.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.907 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056327.D

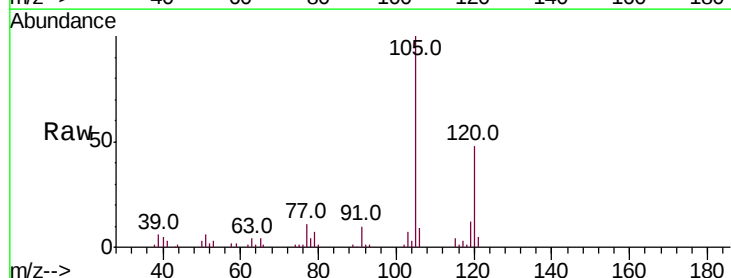
Acq: 17 Jun 2019 9:14

Tgt Ion:105 Resp: 60069

Ion Ratio Lower Upper

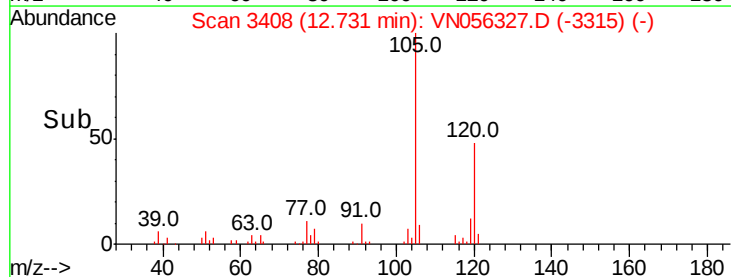
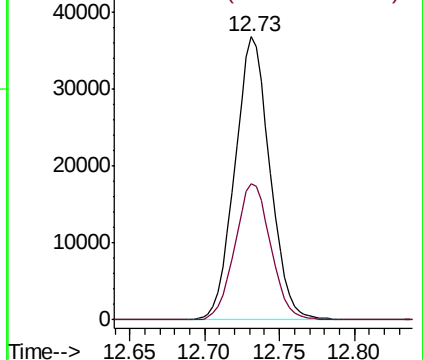
105 100

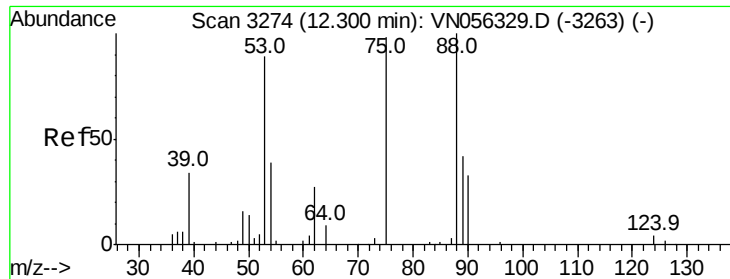
120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056329.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056329.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.509 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

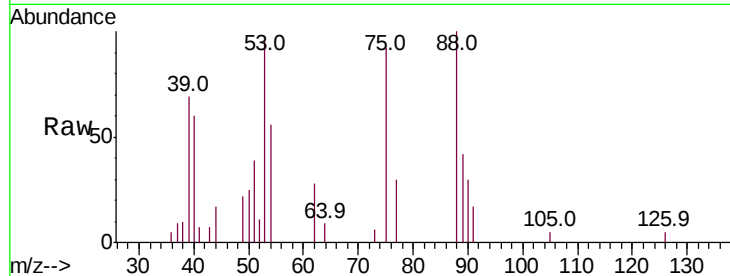
Tot Ion: 75 Resp: 5308

Ion Ratio Lower Upper

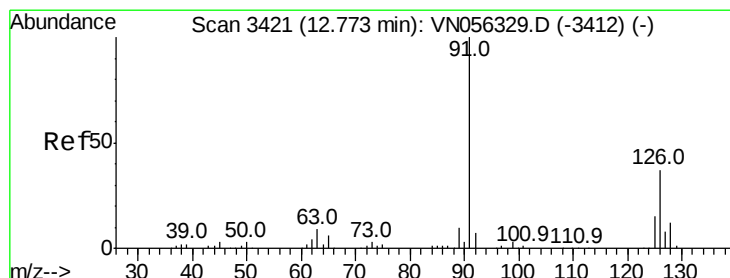
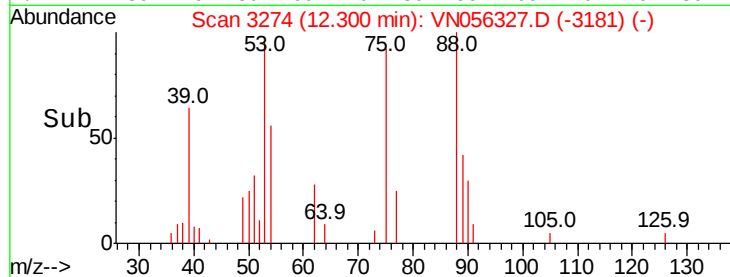
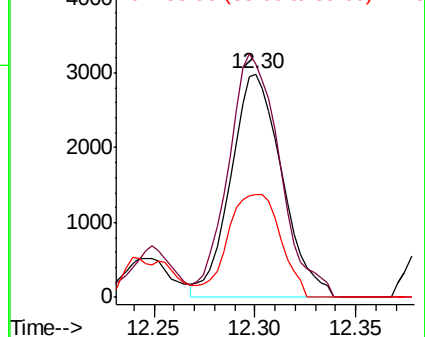
75 100

53 109.7 73.5 110.3

89 47.7 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 4.460 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056327.D

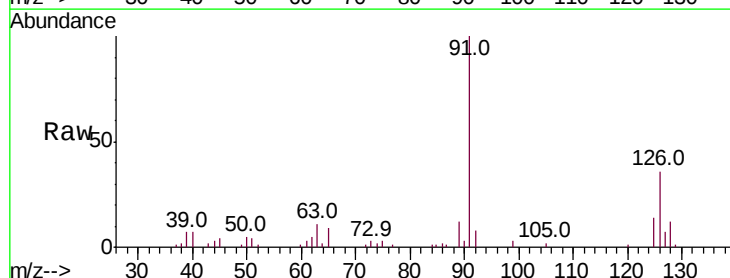
Acq: 17 Jun 2019 9:14

Tgt Ion: 91 Resp: 41085

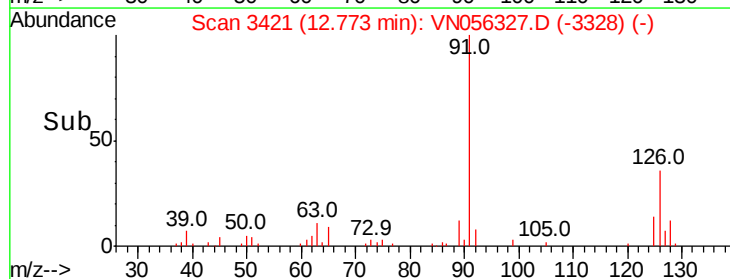
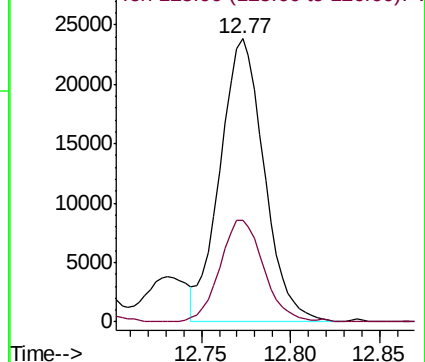
Ion Ratio Lower Upper

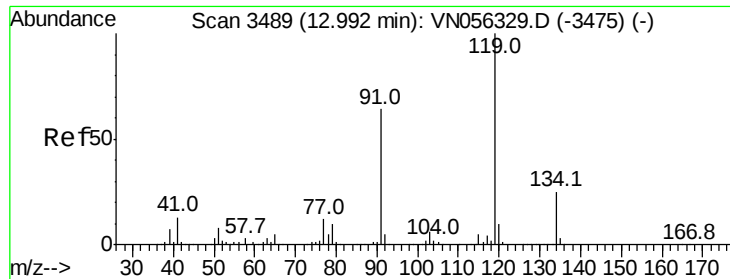
91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

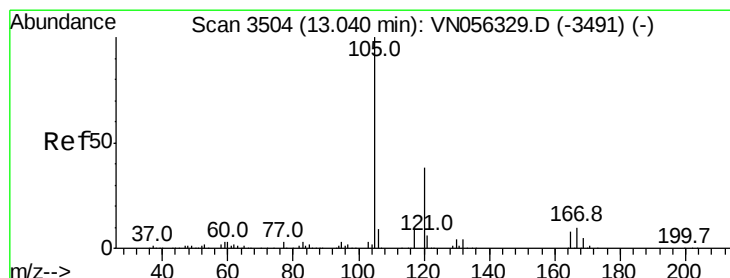
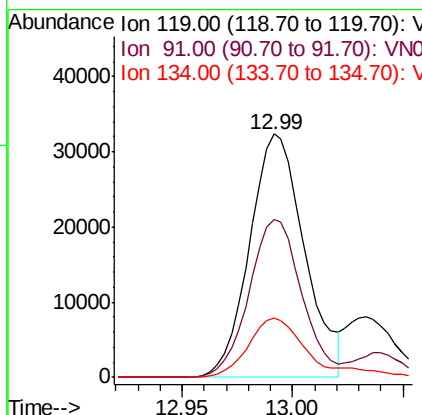
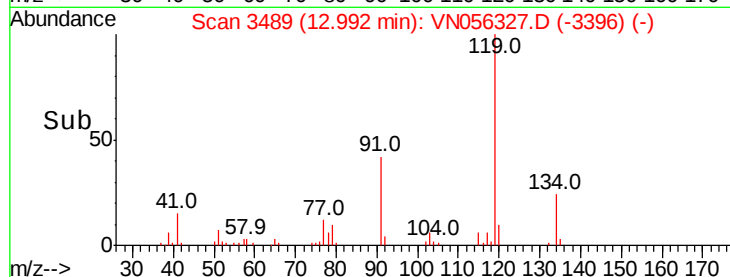
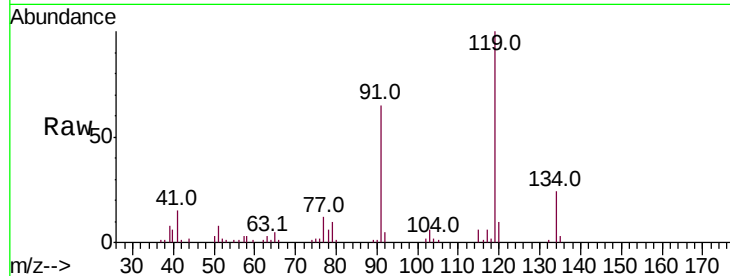




#83
tert-Butylbenzene
Concen: 5.220 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

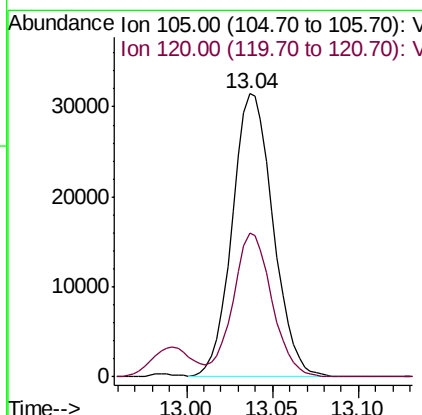
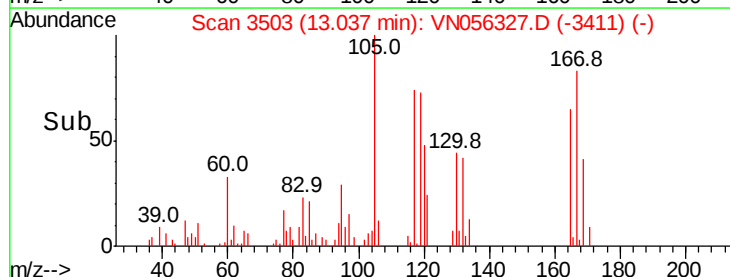
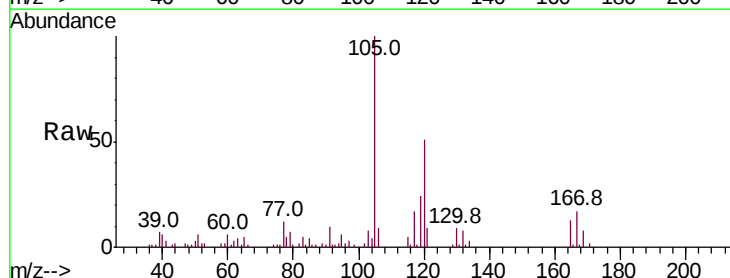
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

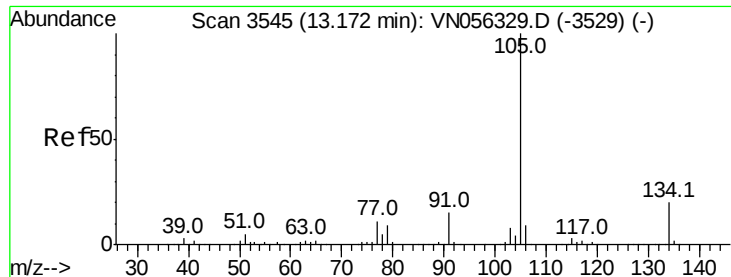
Tot Ion:119 Resp: 55980
Ion Ratio Lower Upper
119 100
91 62.1 31.5 94.5
134 23.9 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 4.492 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion:105 Resp: 52253
Ion Ratio Lower Upper
105 100
120 48.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 4.787 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

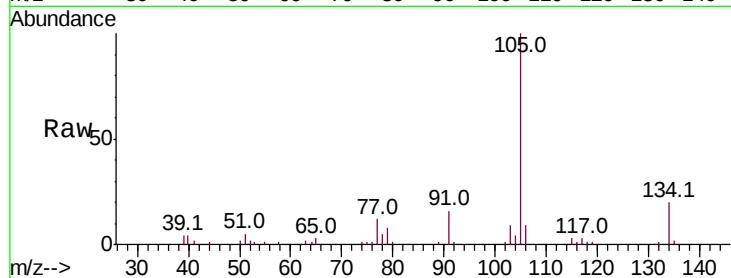
VSTDIC005

Tot Ion:105 Resp: 65627

Ion Ratio Lower Upper

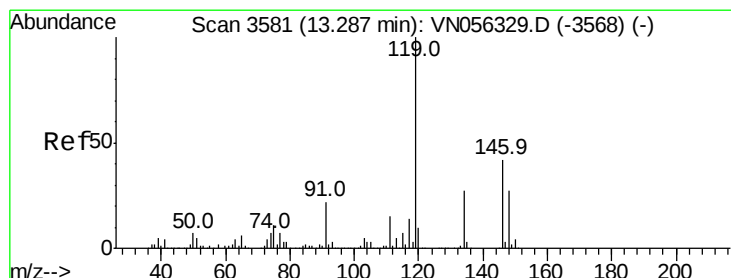
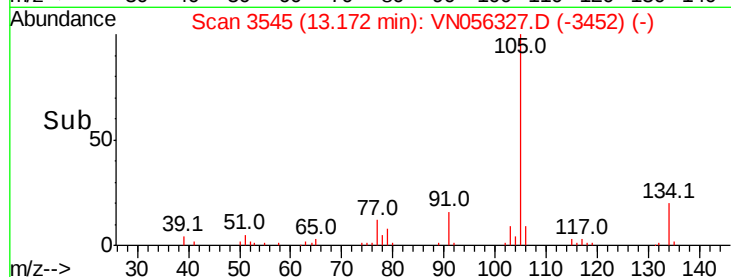
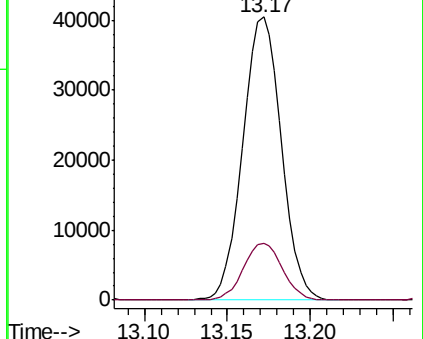
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.318 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

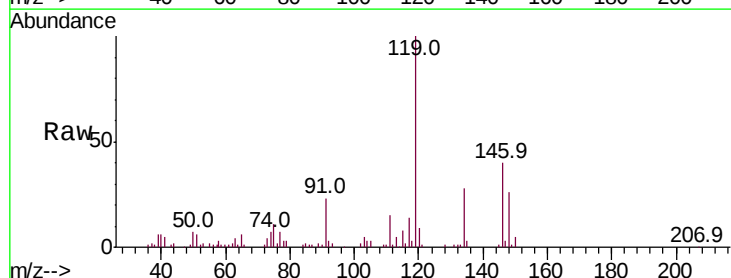
Tgt Ion:119 Resp: 52642

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

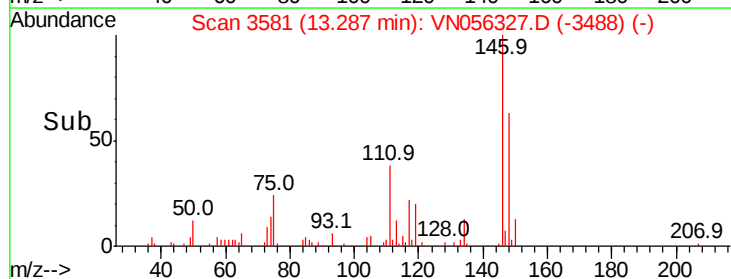
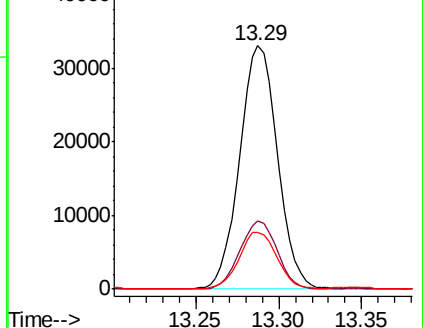
91 23.5 11.0 33.0

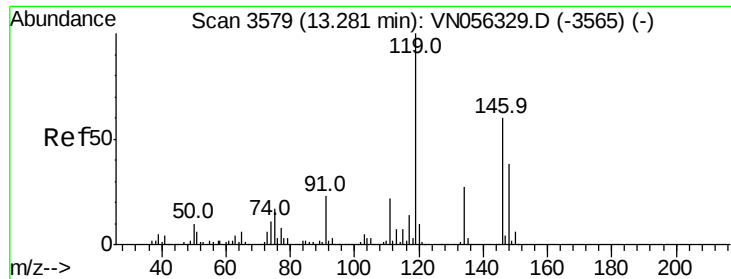


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

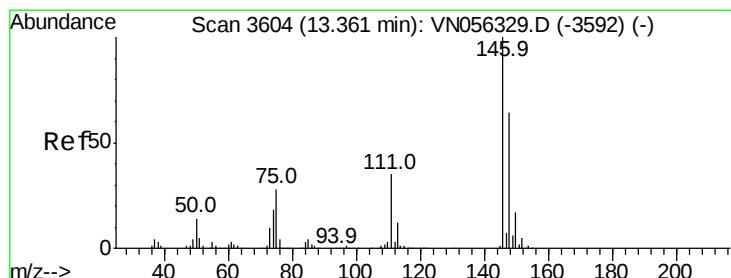
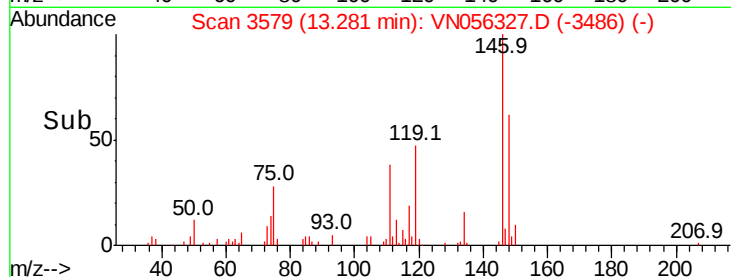
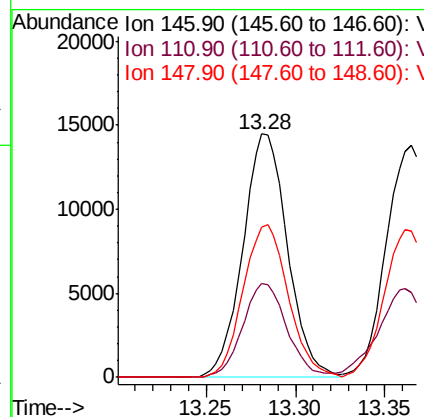
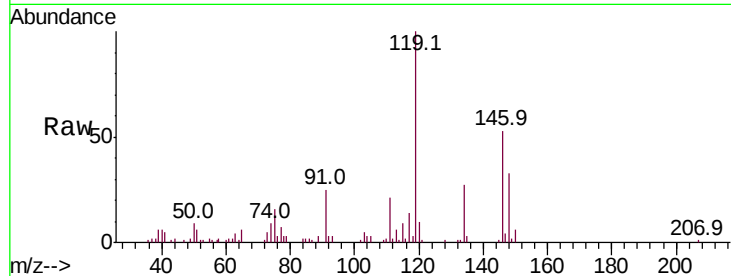




#87
 1,3-Dichlorobenzene
 Concen: 4.173 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

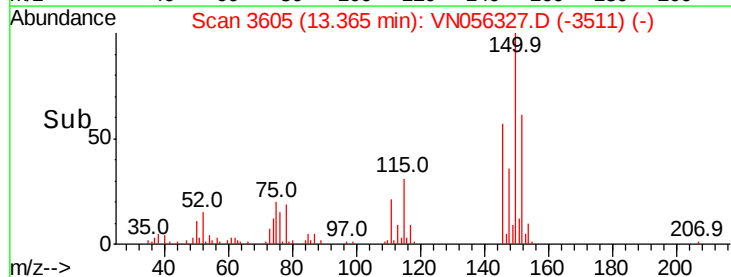
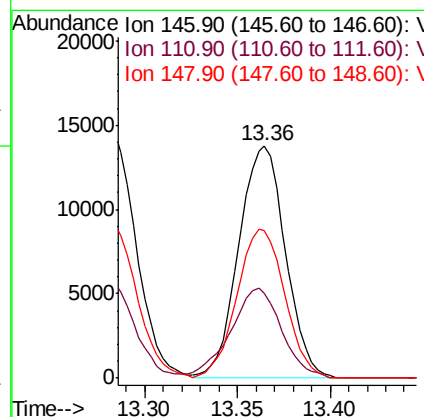
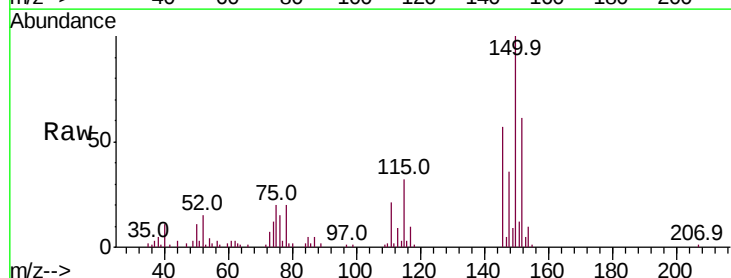
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

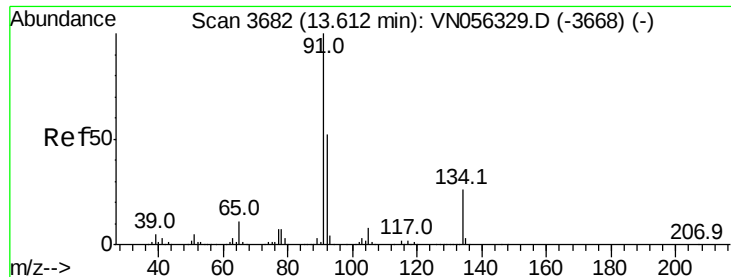
Tot Ion:146 Resp: 25284
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.7
 148 63.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 4.127 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Tgt Ion:146 Resp: 24103
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.1 54.1
 148 65.6 32.1 96.5

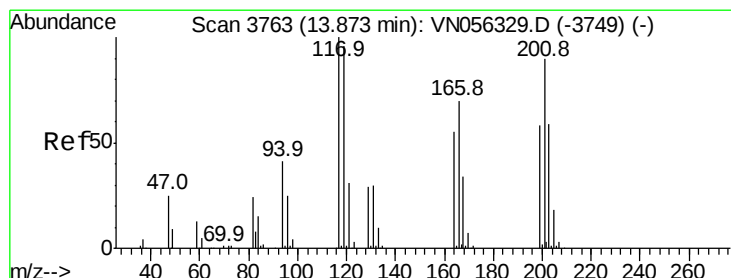
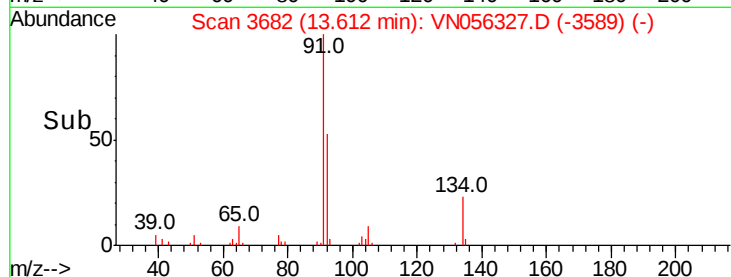
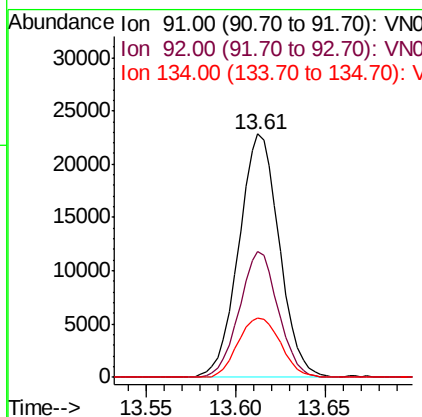
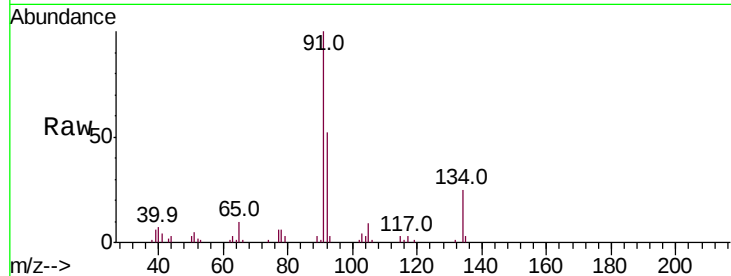




#89
n-Butylbenzene
Concen: 3.933 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

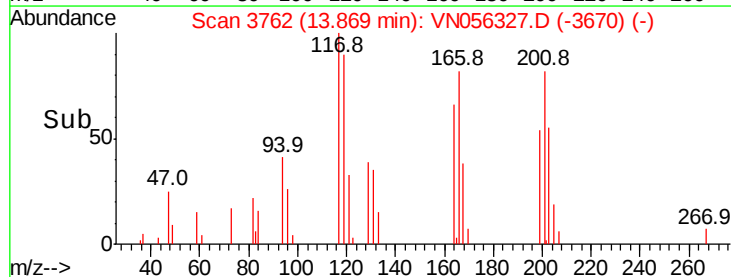
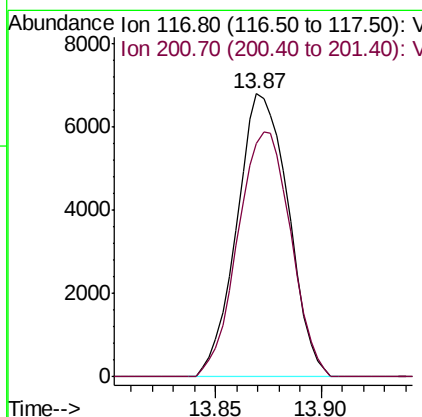
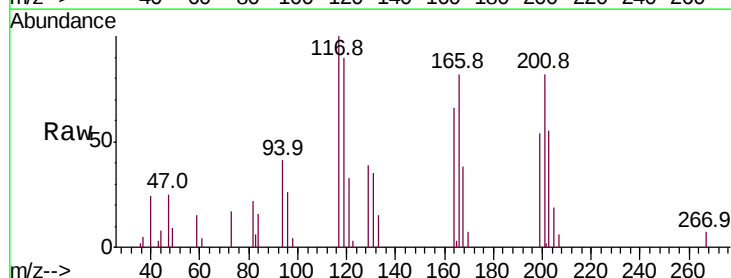
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

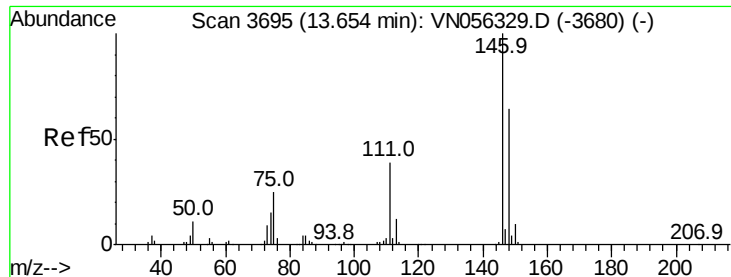
Tot Ion: 91 Resp: 36121
Ion Ratio Lower Upper
91 100
92 49.8 26.0 78.0
134 25.7 13.2 39.5



#90
Hexachloroethane
Concen: 5.784 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056327.D
Acq: 17 Jun 2019 9:14

Tgt Ion: 117 Resp: 11516
Ion Ratio Lower Upper
117 100
201 89.0 45.8 137.3





#91

1,2-Dichlorobenzene

Concen: 4.181 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

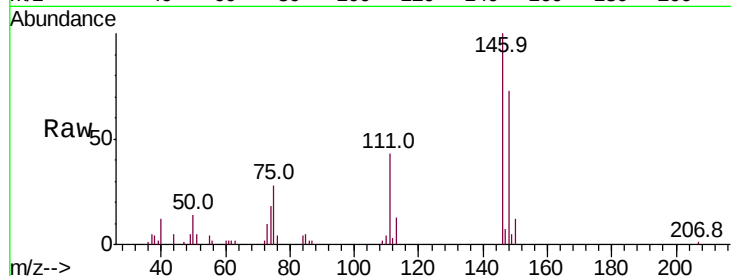
Tot Ion:146 Resp: 25309

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.2

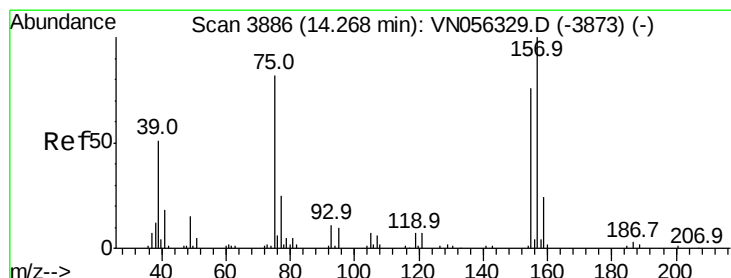
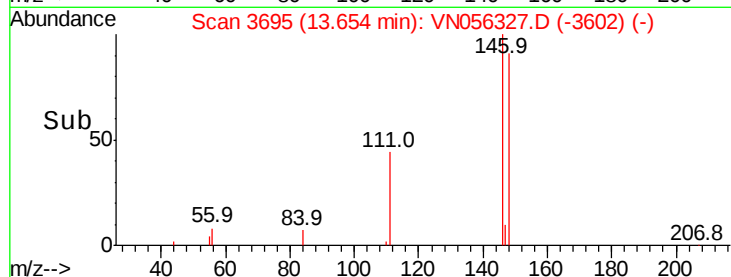
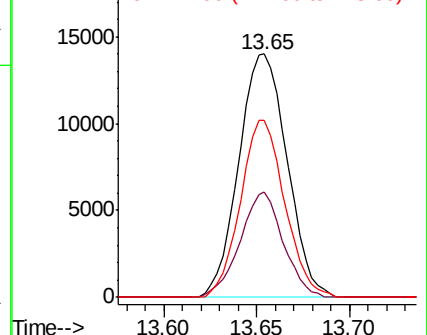
148 66.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.931 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

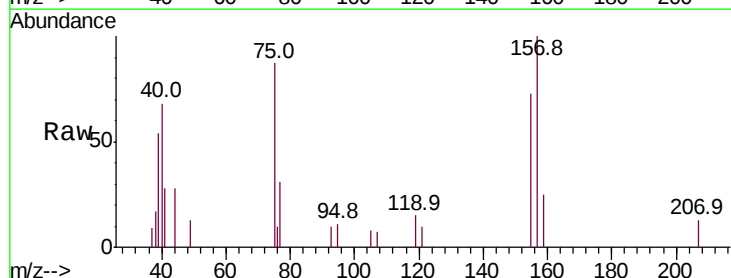
Tgt Ion: 75 Resp: 3257

Ion Ratio Lower Upper

75 100

155 95.0 47.8 143.4

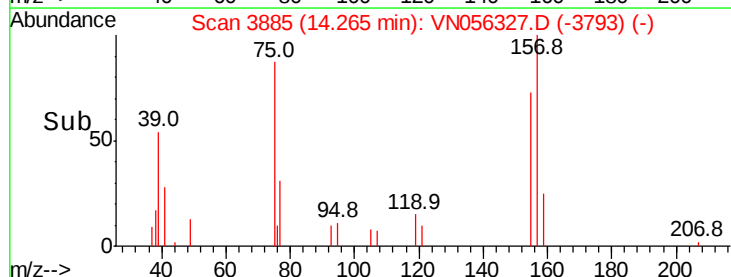
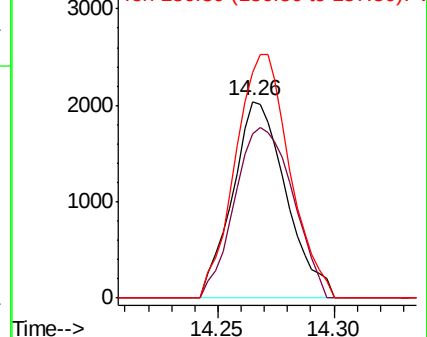
157 126.5 62.8 188.5

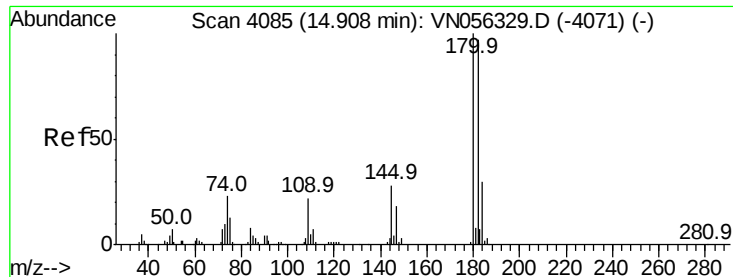


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

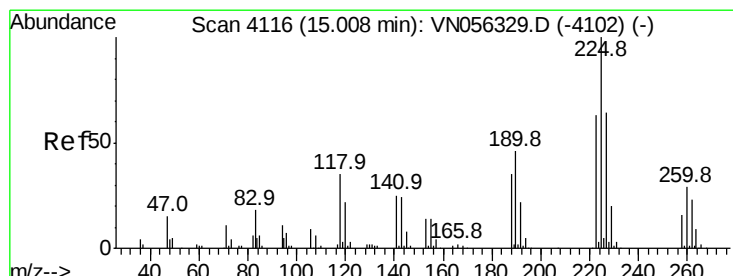
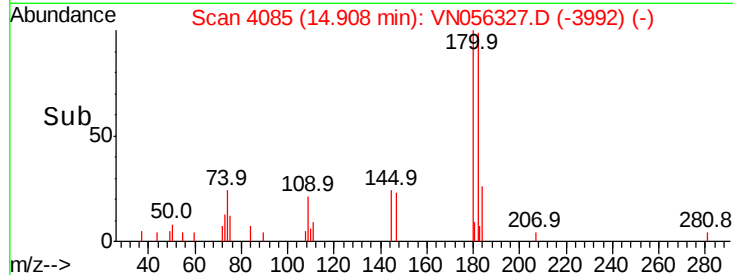
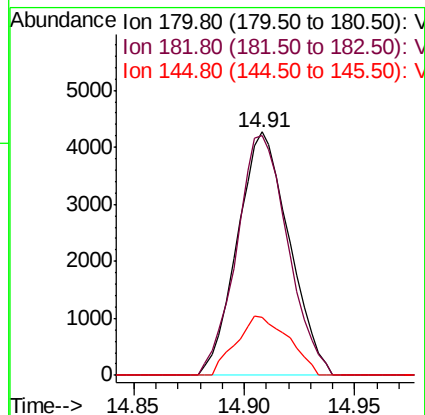
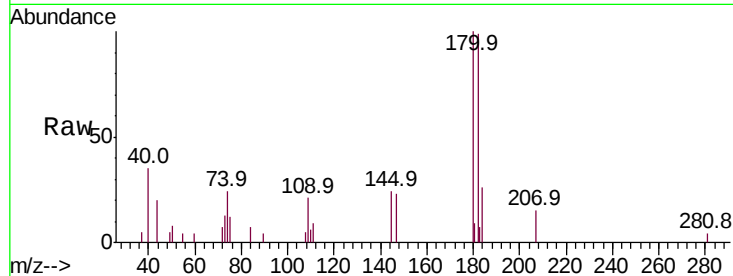




#93
 1,2,4-Trichlorobenzene
 Concen: 2.536 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

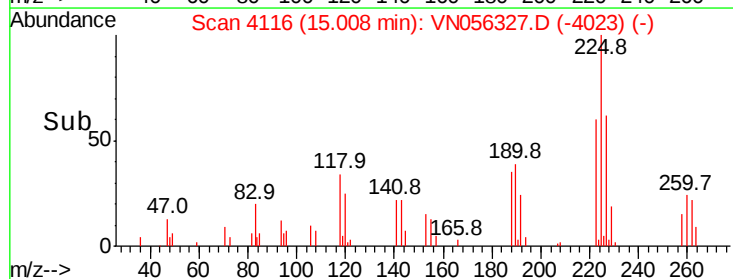
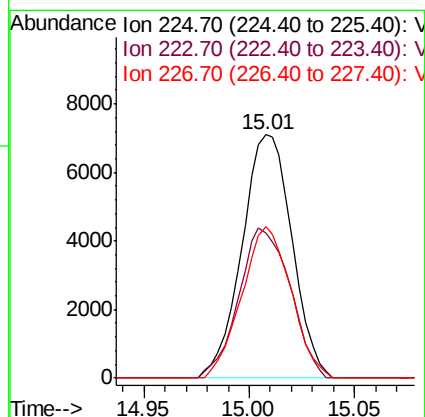
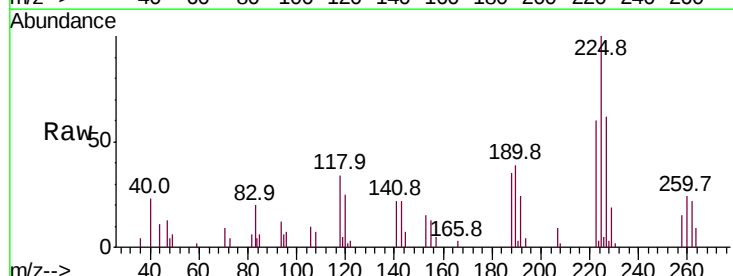
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

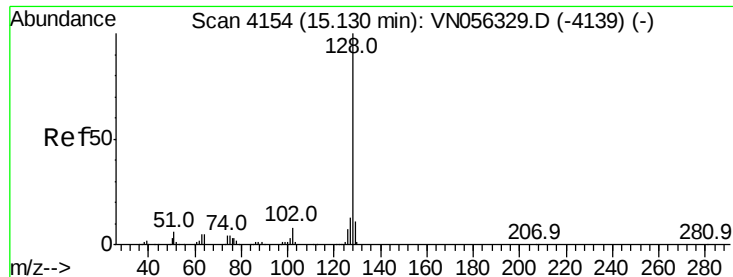
Tot Ion:180 Resp: 6954
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.4 142.3
 145 24.5 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 5.103 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056327.D
 Acq: 17 Jun 2019 9:14

Tgt Ion:225 Resp: 11705
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.2 93.6
 227 61.3 31.7 95.1





#95

Naphthalene

Concen: 2.709 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

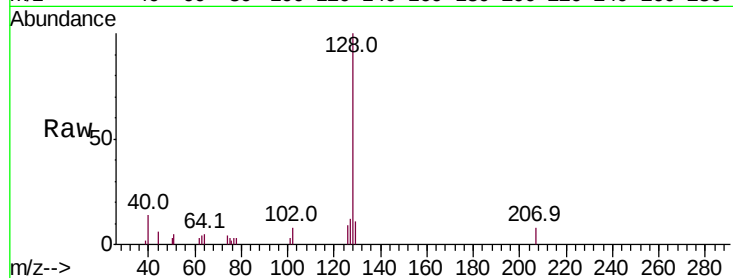
Tot Ion:128 Resp: 19578

Ion Ratio Lower Upper

128 100

127 11.8 10.6 15.8

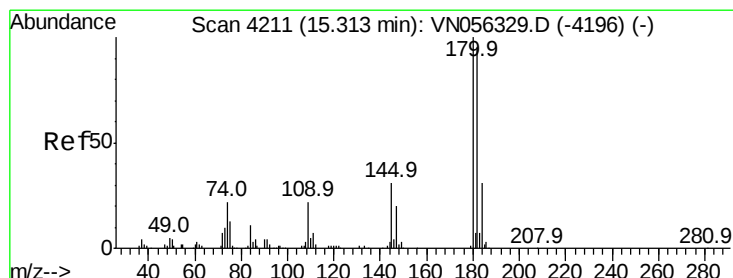
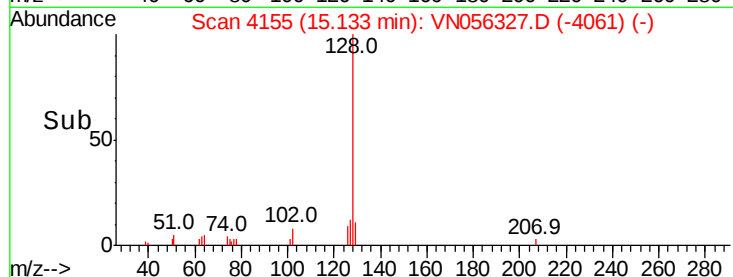
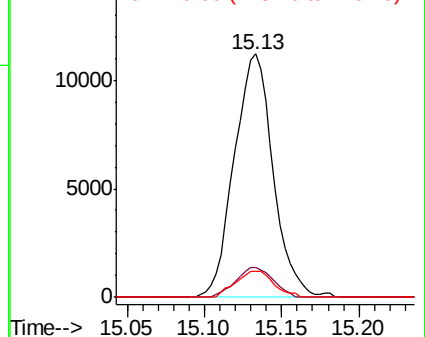
129 10.6 8.6 12.8



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: 2.811 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056327.D

Acq: 17 Jun 2019 9:14

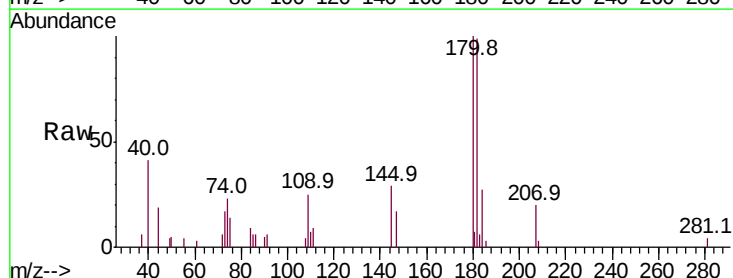
Tgt Ion:180 Resp: 8319

Ion Ratio Lower Upper

180 100

182 99.6 47.1 141.4

145 27.0 14.9 44.9



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

