

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056328.D
 Acq On : 17 Jun 2019 9:37
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 18 03:47:56 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	351179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	83170	17.35	ug/l	0.00
Spiked Amount						
			Recovery	=	34.70%	
35) Dibromofluoromethane	7.59	113	73046	16.60	ug/l	0.00
Spiked Amount						
			Recovery	=	33.20%	
50) Toluene-d8	10.09	98	272905	16.17	ug/l	0.00
Spiked Amount						
			Recovery	=	32.34%	
62) 4-Bromofluorobenzene	12.40	95	86947	15.08	ug/l	0.00
Spiked Amount						
			Recovery	=	30.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	67873	16.822	ug/l	100
3) Chloromethane	2.06	50	87456	17.872	ug/l	99
4) Vinyl Chloride	2.19	62	84726	17.360	ug/l	100
5) Bromomethane	2.54	94	51959	17.312	ug/l	98
6) Chloroethane	2.69	64	49663	17.582	ug/l	97
7) Trichlorofluoromethane	3.01	101	110008	17.636	ug/l	100
8) Diethyl Ether	3.41	74	42966	17.016	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68451	17.838	ug/l	99
10) Methyl Iodide	3.94	142	88835	14.938	ug/l	99
11) Tert butyl alcohol	4.82	59	61742	75.399	ug/l	97
12) 1,1-Dichloroethene	3.72	96	66143	17.279	ug/l	97
13) Acrolein	3.60	56	17947	78.116	ug/l	96
14) Allyl chloride	4.31	41	113029	17.872	ug/l	99
15) Acrylonitrile	4.99	53	187421	92.077	ug/l	99
16) Acetone	3.82	43	241330	101.505	ug/l	100
17) Carbon Disulfide	4.04	76	176973	18.044	ug/l	99
18) Methyl Acetate	4.33	43	84003	17.632	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	209249	17.195	ug/l	99
20) Methylene Chloride	4.54	84	79072	17.560	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	71304	17.273	ug/l	97
22) Diisopropyl ether	5.95	45	226045	17.666	ug/l	97
23) Vinyl Acetate	5.90	43	927988	89.764	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130128	17.629	ug/l	99
25) 2-Butanone	6.84	43	289074	96.867	ug/l	99
26) 2,2-Dichloropropane	6.82	77	92212	16.692	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	82432	17.090	ug/l	99
28) Bromochloromethane	7.19	49	72008	20.126	ug/l	100
29) Tetrahydrofuran	7.22	42	167987	93.538	ug/l	98
30) Chloroform	7.37	83	131568	17.855	ug/l	96
31) Cyclohexane	7.65	56	123536	16.414	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	107163	17.433	ug/l	100
36) 1,1-Dichloropropene	7.79	75	96605	16.282	ug/l	100
37) Ethyl Acetate	6.93	43	98657	17.717	ug/l	99
38) Carbon Tetrachloride	7.77	117	92416	16.704	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	119262	16.231	ug/l	98
40) Benzene	8.04	78	299814	16.658	ug/l	100
41) Methacrylonitrile	7.18	41	44077	16.861	ug/l	94
42) 1,2-Dichloroethane	8.12	62	99230	16.957	ug/l	99
43) Isopropyl Acetate	8.17	43	146786	16.705	ug/l	99
44) Trichloroethene	8.83	130	82522	16.400	ug/l	98
45) 1,2-Dichloropropane	9.12	63	81353	17.298	ug/l	98
46) Dibromomethane	9.21	93	52268	16.972	ug/l	97
47) Bromodichloromethane	9.40	83	99212	17.342	ug/l	99
48) Methyl methacrylate	9.20	41	73878	16.844	ug/l	99
49) 1,4-Dioxane	9.20	88	30399	331.337	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	482494	86.121	ug/l	100
52) Toluene	10.15	92	183151	16.378	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96713	16.402	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116766	17.238	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74560	16.780	ug/l	99
56) Ethyl methacrylate	10.43	69	106735	16.070	ug/l	100
57) 1,3-Dichloropropane	10.71	76	125439	17.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	169714	75.760	ug/l	99
59) 2-Hexanone	10.75	43	369356	90.070	ug/l	99
60) Dibromochloromethane	10.90	129	78463	17.333	ug/l	99
61) 1,2-Dibromoethane	11.01	107	78251	16.947	ug/l	100
64) Tetrachloroethene	10.63	164	80827	16.190	ug/l	100
65) Chlorobenzene	11.43	112	198233	16.603	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73415	17.449	ug/l	99
67) Ethyl Benzene	11.51	91	343323	16.470	ug/l	100
68) m/p-Xylenes	11.62	106	260583	32.815	ug/l	99
69) o-Xylene	11.95	106	127473	16.373	ug/l	99
70) Styrene	11.96	104	206626	16.328	ug/l	99
71) Bromoform	12.12	173	56610	17.385	ug/l #	99
73) Isopropylbenzene	12.25	105	336340	17.876	ug/l	100
74) N-amyl acetate	12.07	43	119502	18.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	105529	18.915	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85372m	19.088	ug/l	
77) Bromobenzene	12.53	156	85218	17.164	ug/l	98
78) n-propylbenzene	12.59	91	343420	17.086	ug/l	99
79) 2-Chlorotoluene	12.67	91	221960	17.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274973	17.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26185	17.384	ug/l	92
82) 4-Chlorotoluene	12.77	91	204315	17.334	ug/l	100
83) tert-Butylbenzene	12.99	119	238711	17.395	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	260613	17.508	ug/l	99
85) sec-Butylbenzene	13.17	105	307097	17.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	265967	17.049	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	129585	16.715	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122045	16.332	ug/l	100
89) n-Butylbenzene	13.61	91	181313	15.431	ug/l	100
90) Hexachloroethane	13.87	117	47706	18.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	131228	16.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16364	19.363	ug/l	97

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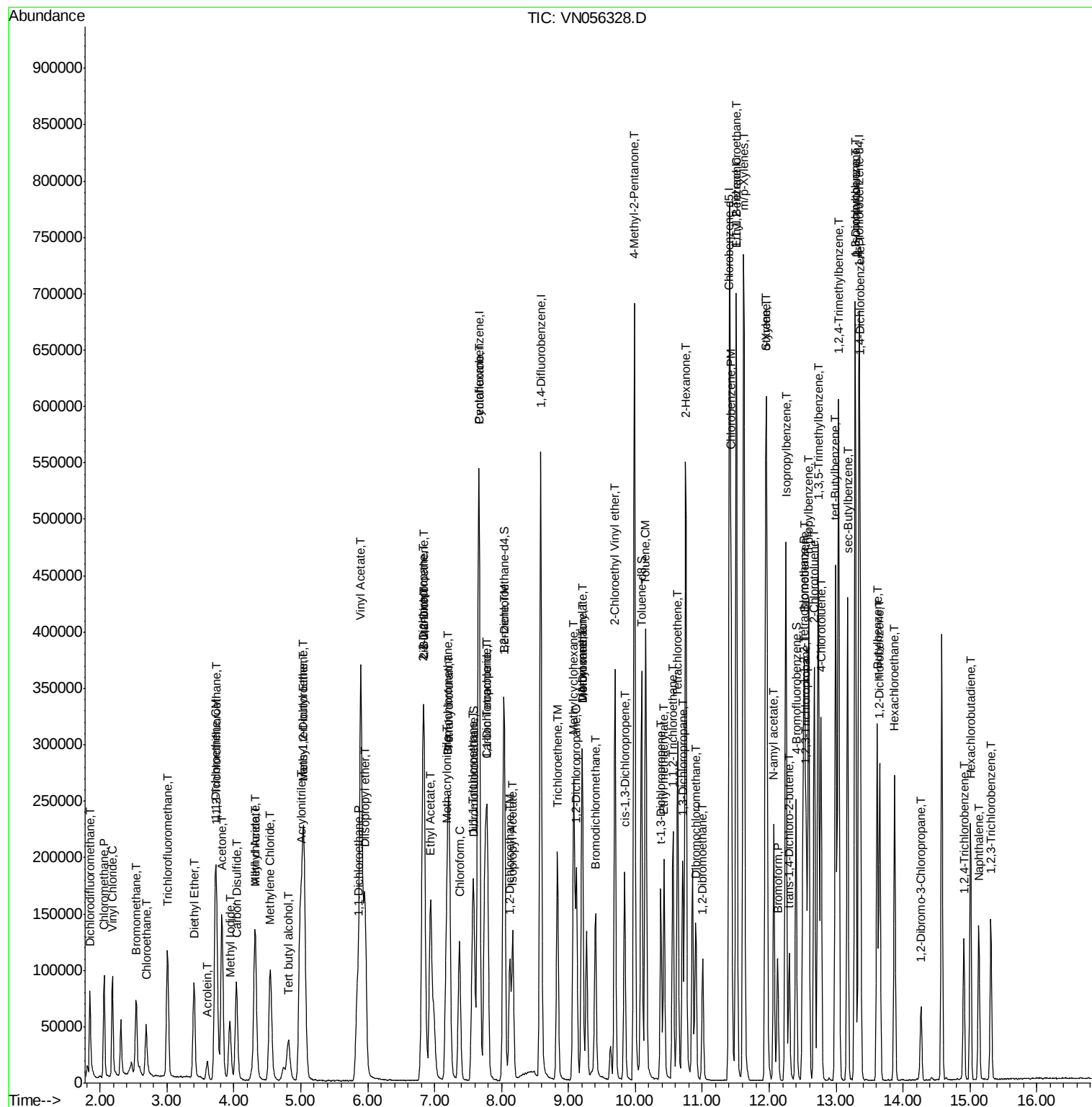
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43933	12.524	ug/l	99
94) Hexachlorobutadiene	15.01	225	48812	16.631	ug/l	98
95) Naphthalene	15.13	128	124756	13.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52209	13.789	ug/l	98

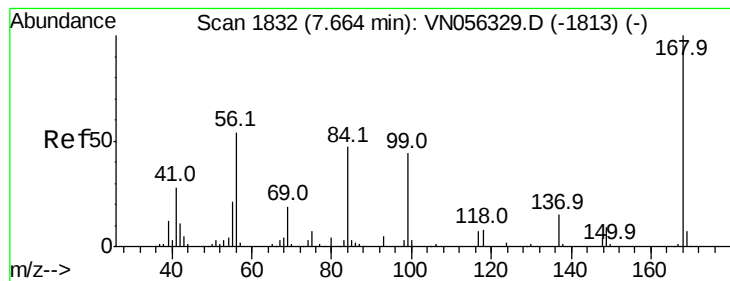
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

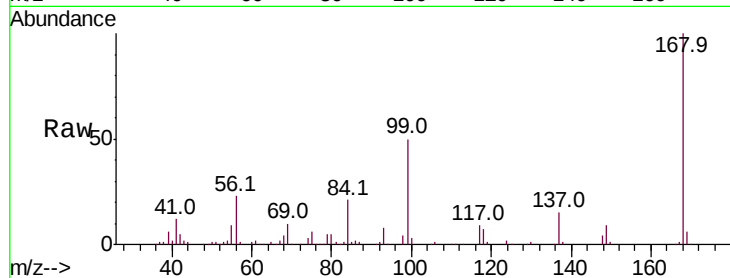
VSTDIC020

Tot Ion:168 Resp: 351179

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1813) (-)

7.66

150000

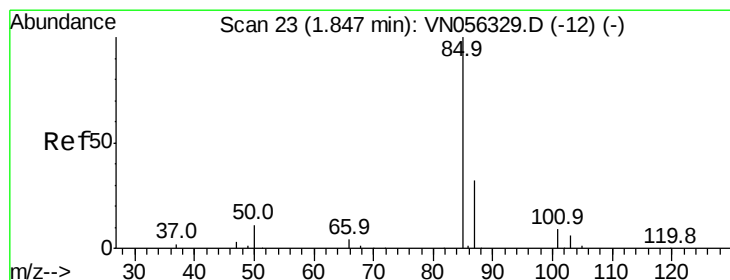
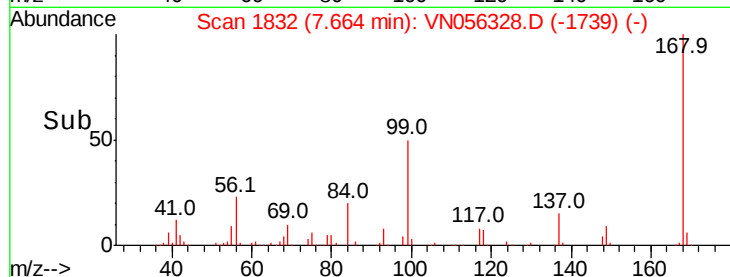
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.822 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056328.D

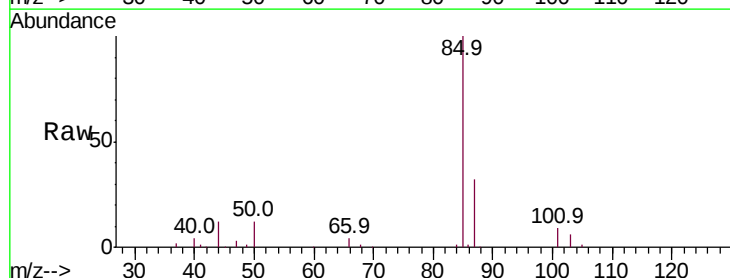
Acq: 17 Jun 2019 9:37

Tgt Ion: 85 Resp: 67873

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056329.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056329.D (-12) (-)

1.85

50000

40000

30000

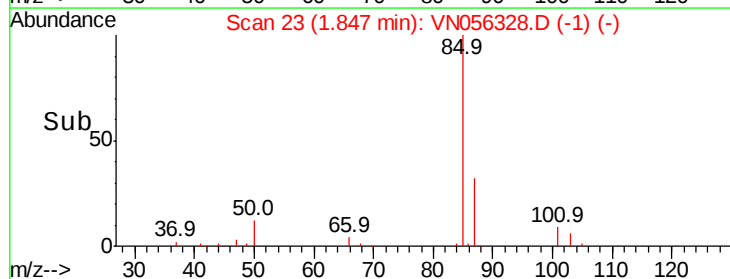
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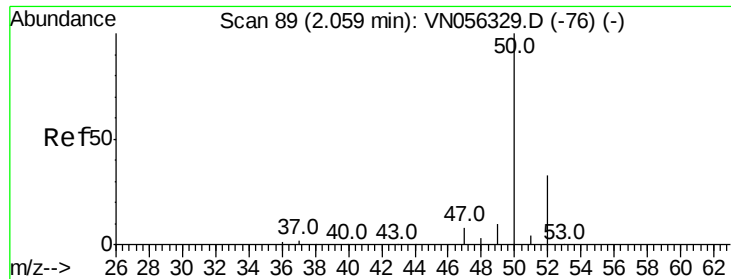
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.872 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

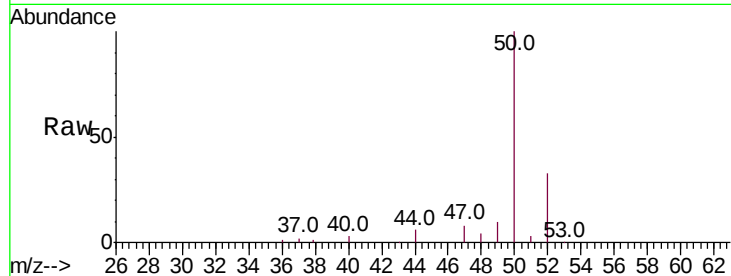
VSTDIC020

Tot Ion: 50 Resp: 87456

Ion Ratio Lower Upper

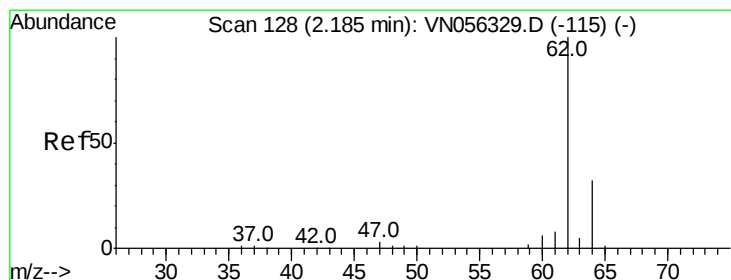
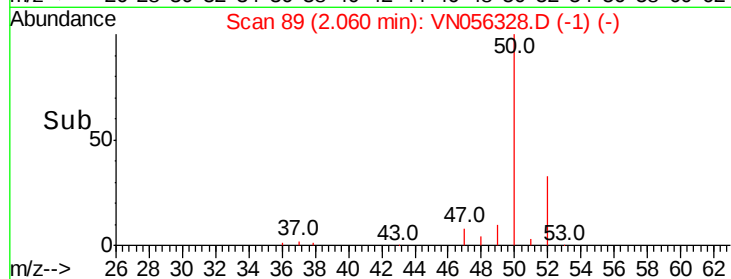
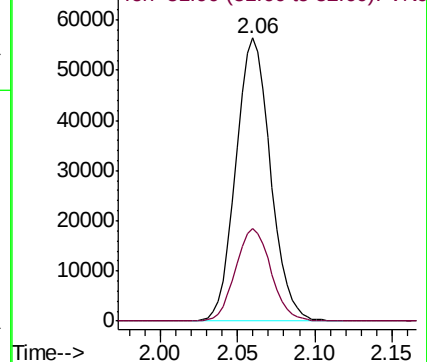
50 100

52 32.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.360 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056328.D

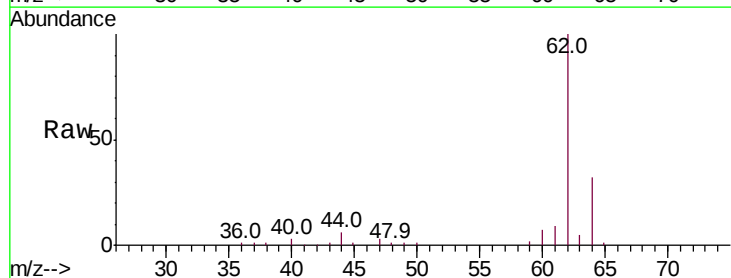
Acq: 17 Jun 2019 9:37

Tgt Ion: 62 Resp: 84726

Ion Ratio Lower Upper

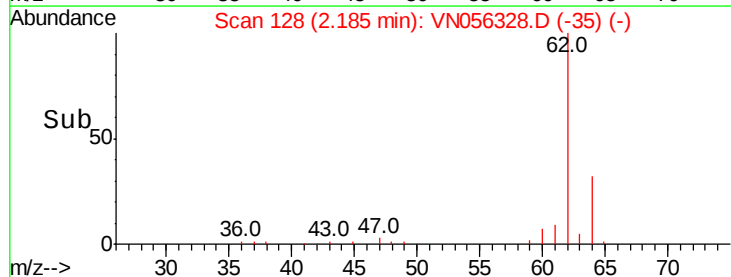
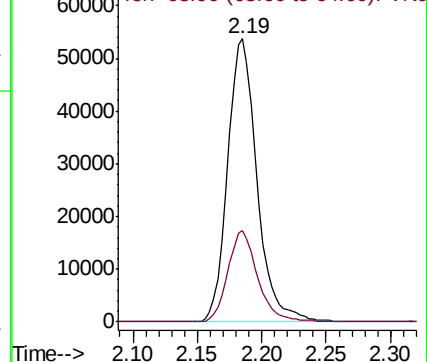
62 100

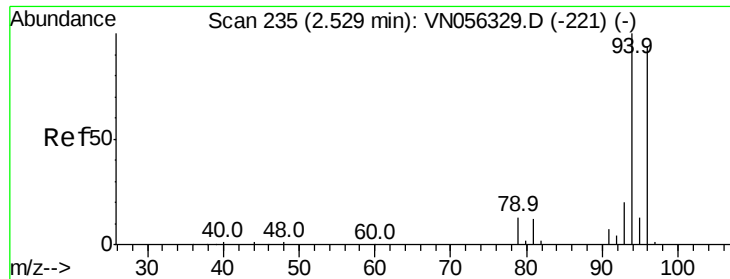
64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

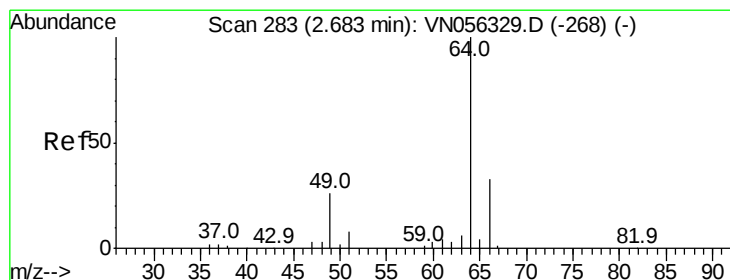
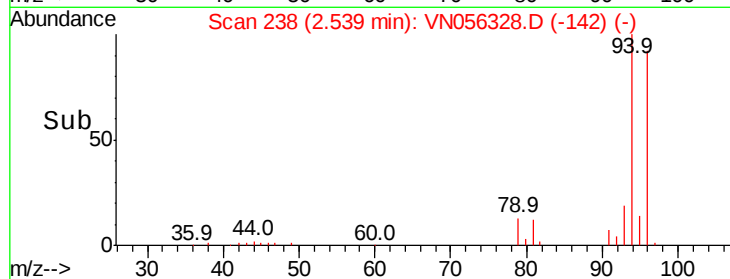
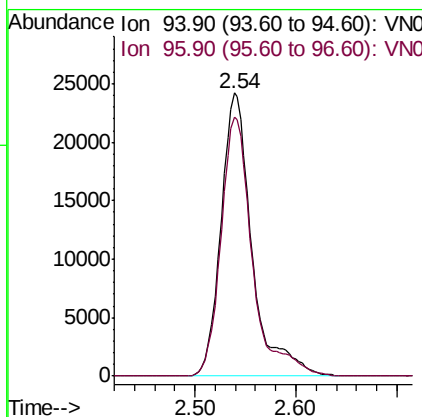
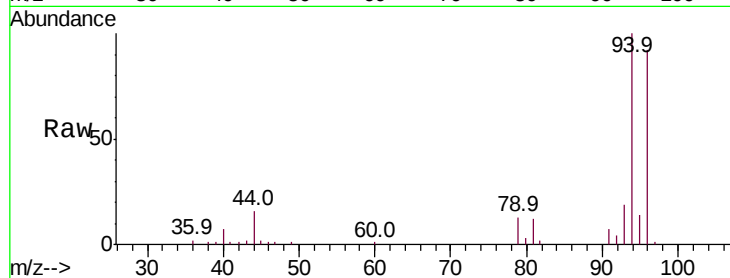




#5
Bromomethane
Concen: 17.312 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.01 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

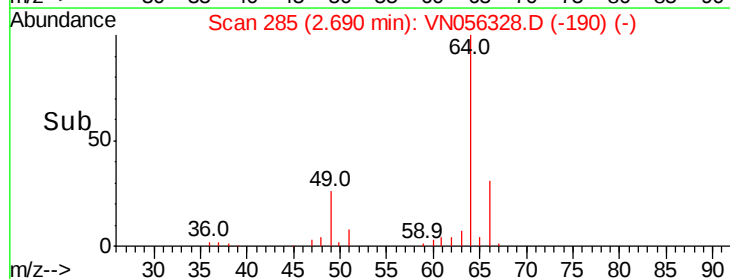
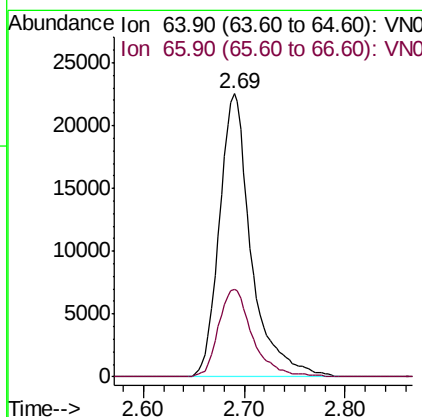
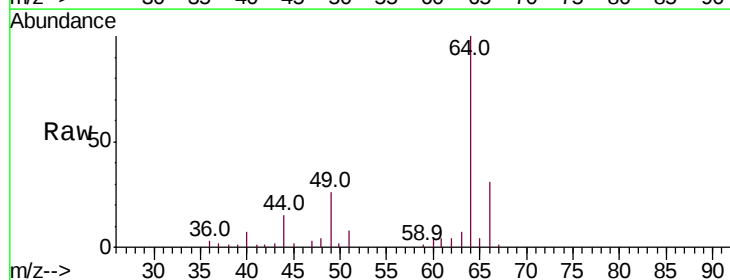
Instrument :
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ClientSampled :
VSTDIC020

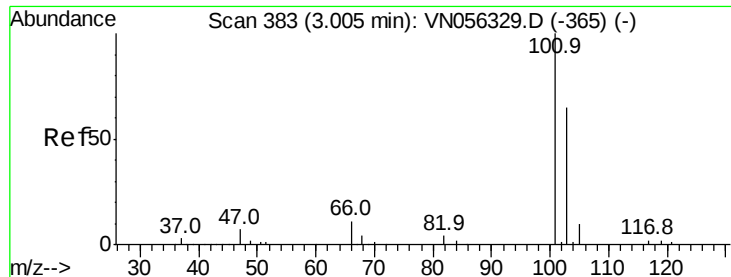
Tot Ion: 94 Resp: 51959
Ion Ratio Lower Upper
94 100
96 91.5 74.9 112.3



#6
Chloroethane
Concen: 17.582 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 64 Resp: 49663
Ion Ratio Lower Upper
64 100
66 31.0 26.3 39.5



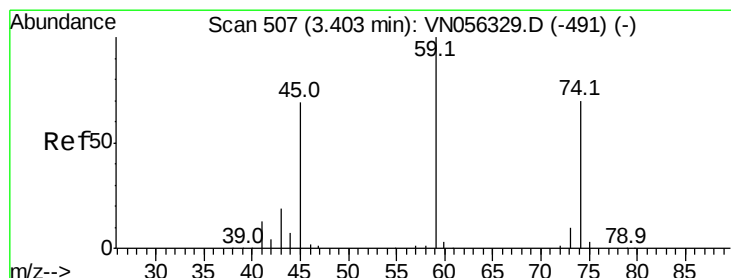
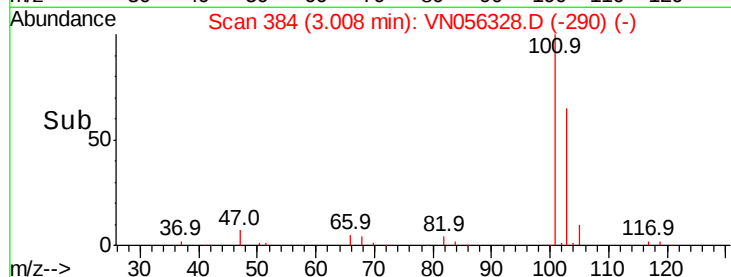
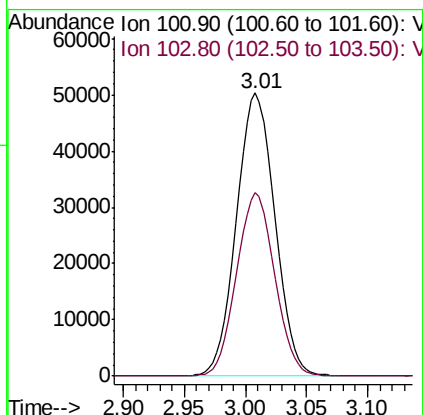
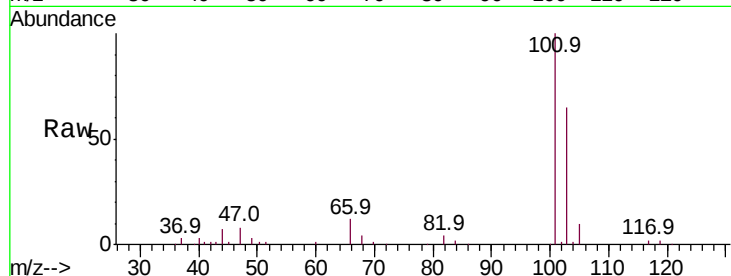


#7

Trichlorofluoromethane
Concen: 17.636 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
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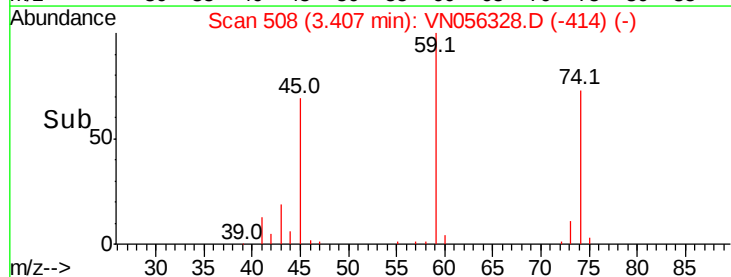
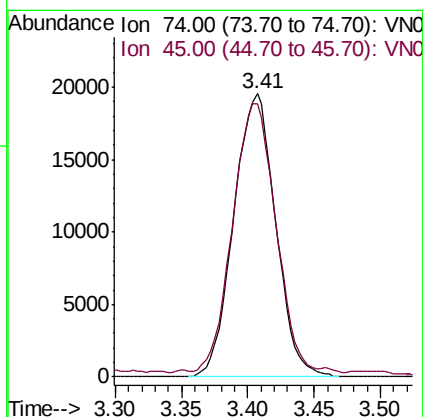
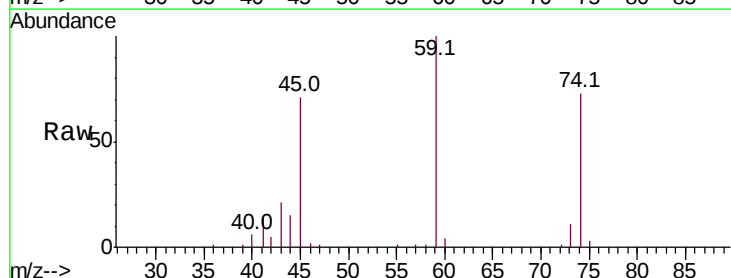
Tot Ion:101 Resp: 110008
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1

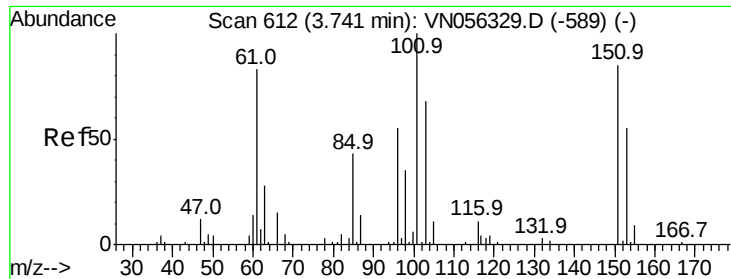


#8

Diethyl Ether
Concen: 17.016 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 74 Resp: 42966
Ion Ratio Lower Upper
74 100
45 96.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.838 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

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VSTDIC020

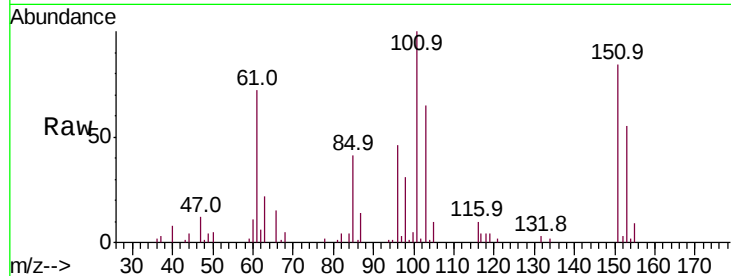
Tot Ion:101 Resp: 68451

Ion Ratio Lower Upper

101 100

85 41.8 33.8 50.8

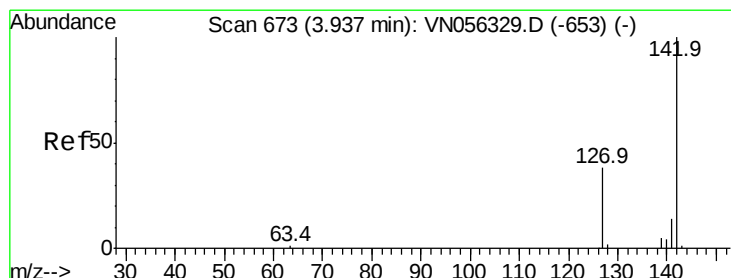
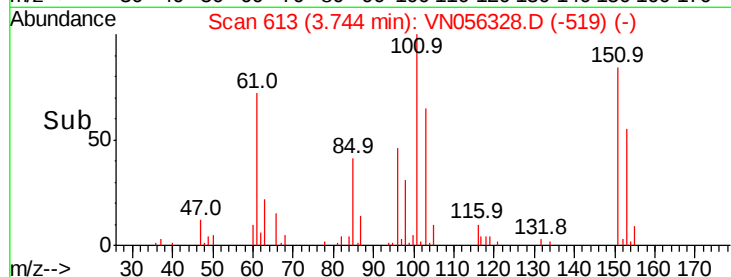
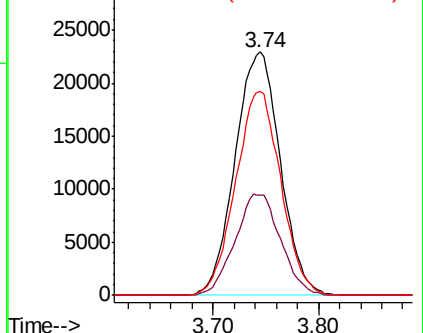
151 83.6 67.4 101.0



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: 14.938 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

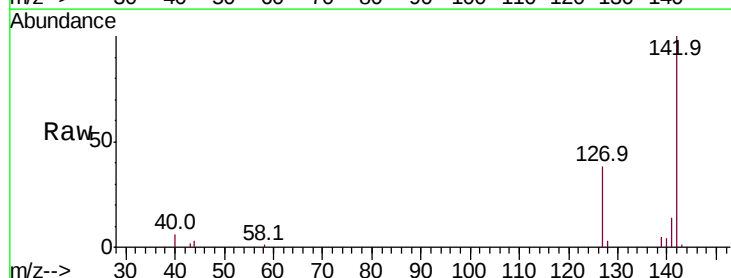
Tgt Ion:142 Resp: 88835

Ion Ratio Lower Upper

142 100

127 37.8 30.8 46.2

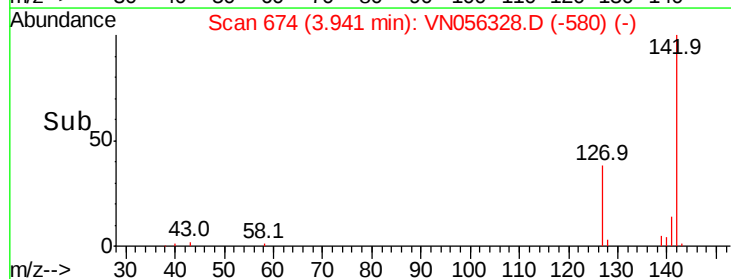
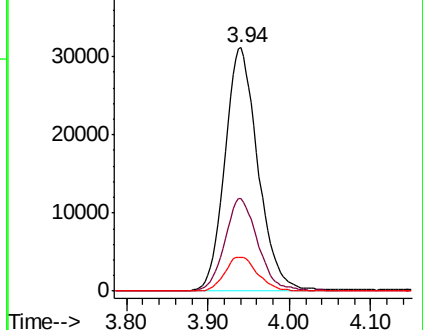
141 13.7 11.4 17.2

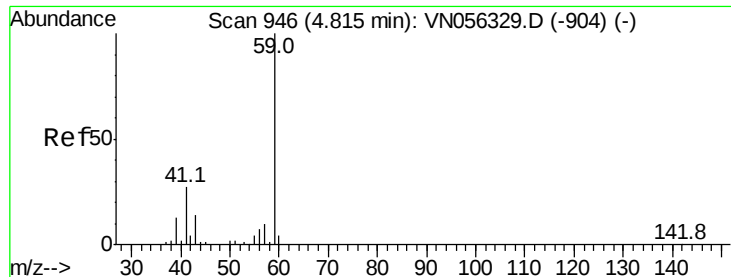


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



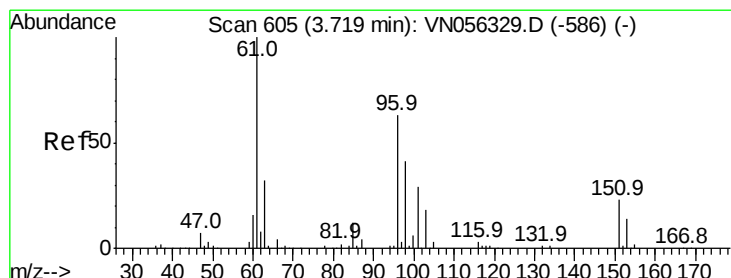
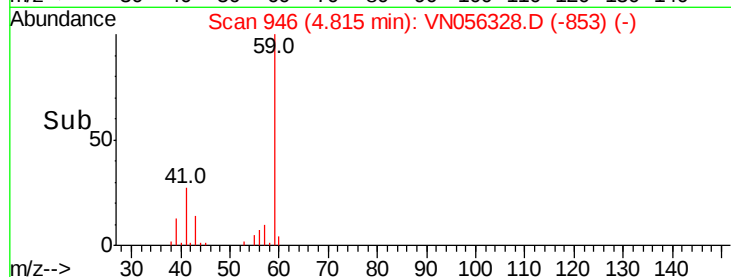
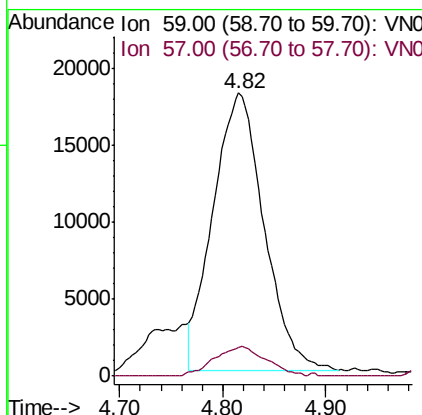
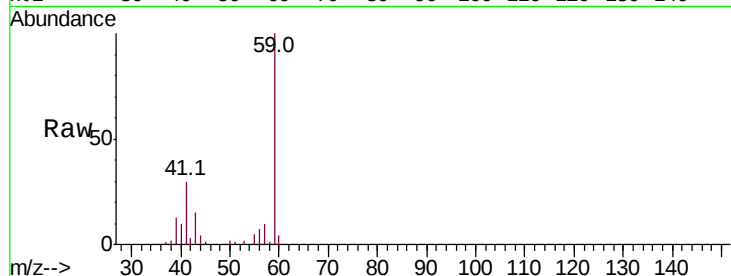


#11

Tert butyl alcohol
 Concen: 75.399 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

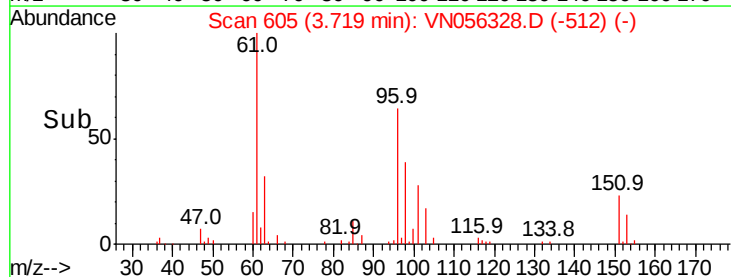
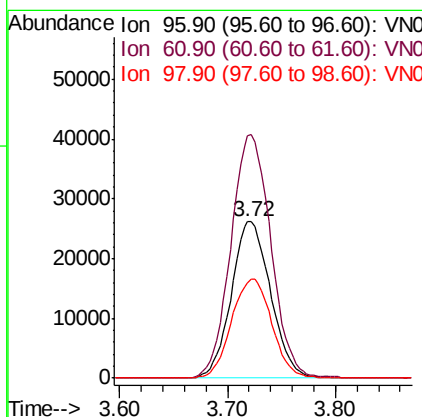
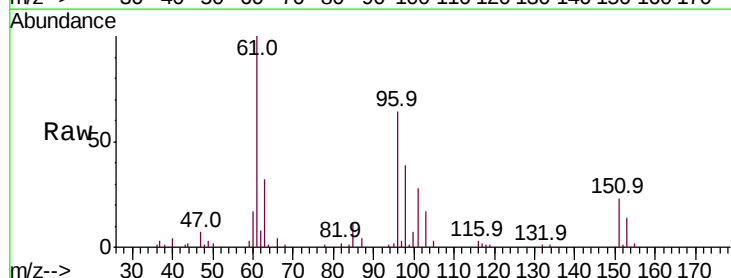
Tot Ion: 59 Resp: 61742
 Ion Ratio Lower Upper
 59 100
 57 10.8 7.8 11.8

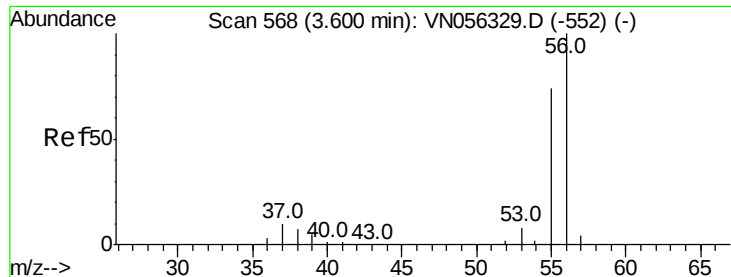


#12

1,1-Dichloroethene
 Concen: 17.279 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion: 96 Resp: 66143
 Ion Ratio Lower Upper
 96 100
 61 155.2 127.4 191.2
 98 61.2 51.7 77.5





#13

Acrolein

Concen: 78.116 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

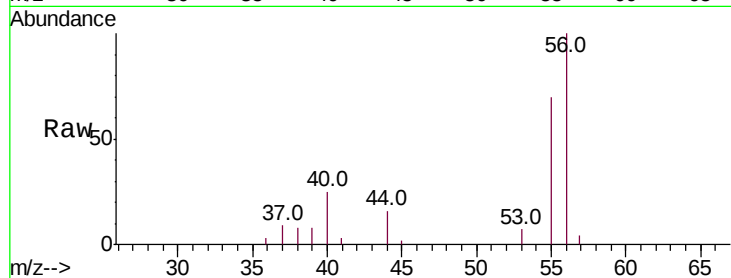
VSTDIC020

Tot Ion: 56 Resp: 17947

Ion Ratio Lower Upper

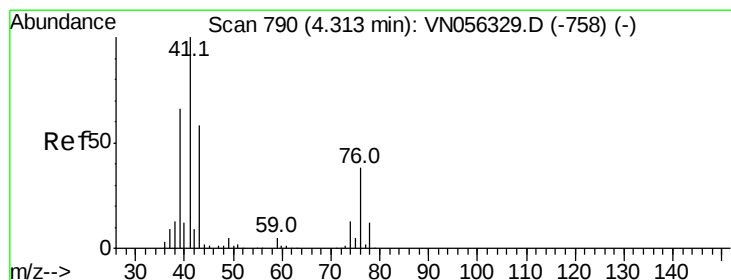
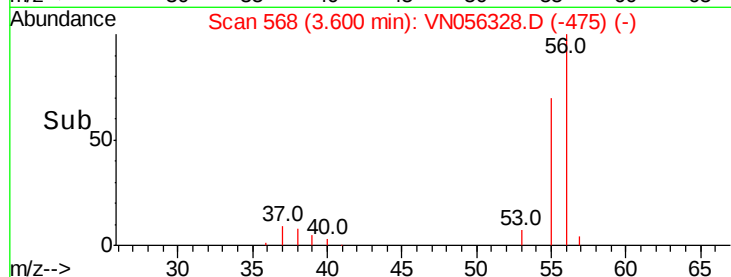
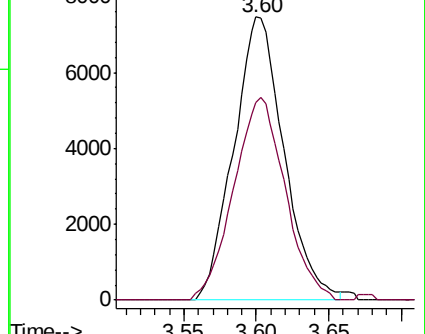
56 100

55 73.4 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.872 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

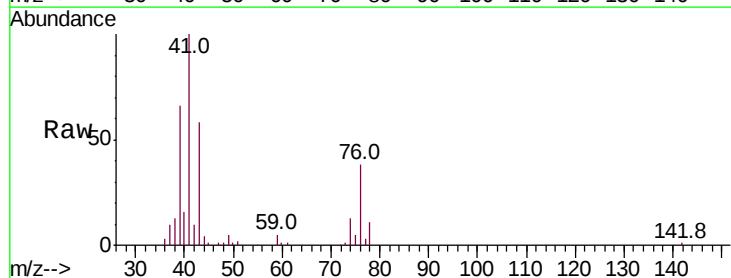
Tgt Ion: 41 Resp: 113029

Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

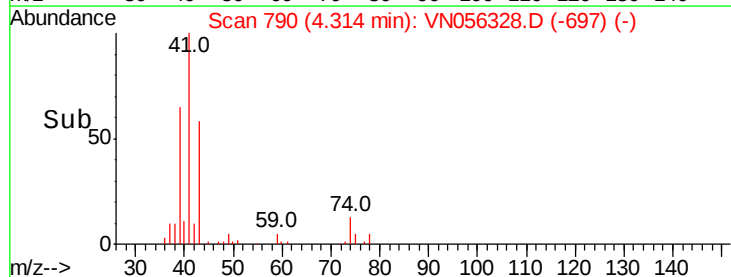
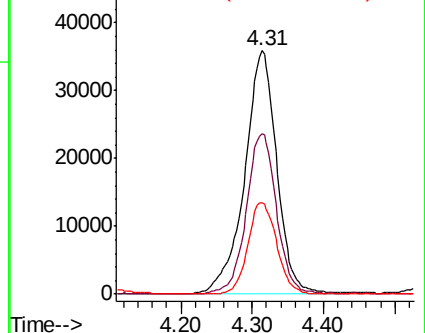
76 33.4 27.2 40.8

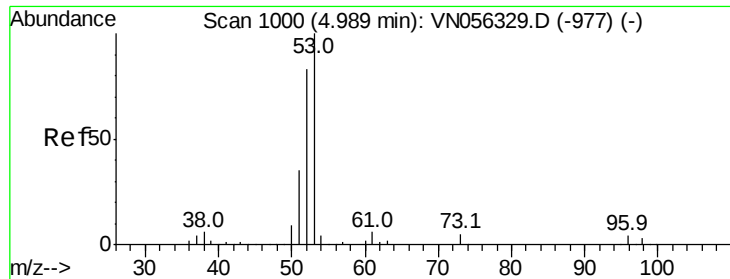


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.077 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

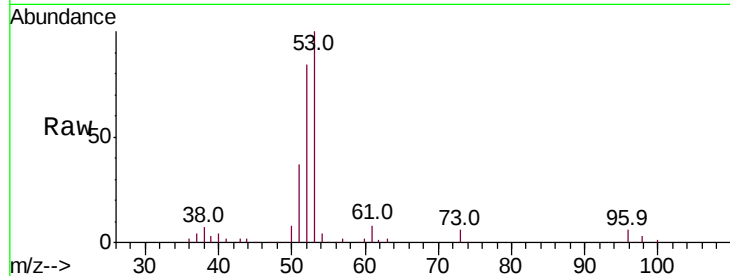
Tot Ion: 53 Resp: 187421

Ion Ratio Lower Upper

53 100

52 83.3 65.4 98.2

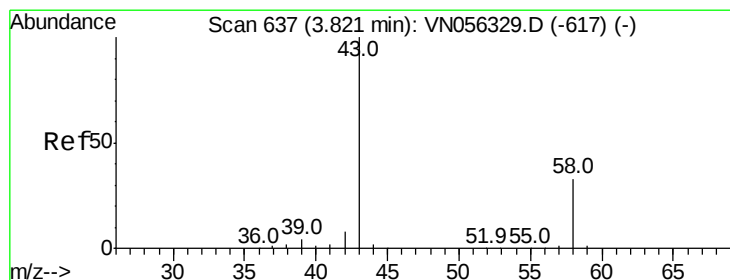
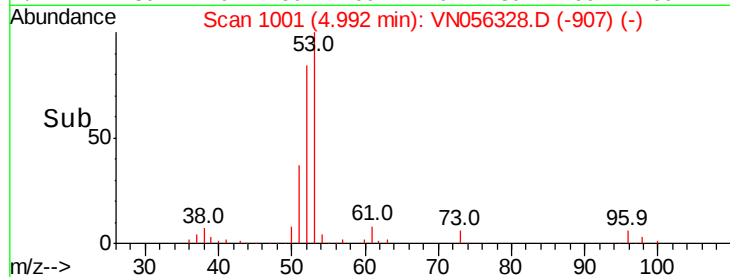
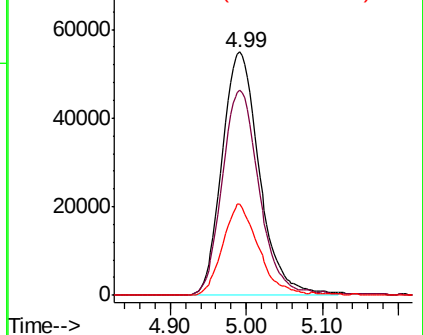
51 36.1 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.505 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056328.D

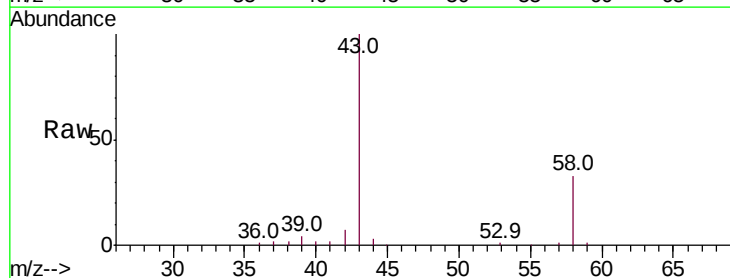
Acq: 17 Jun 2019 9:37

Tgt Ion: 43 Resp: 241330

Ion Ratio Lower Upper

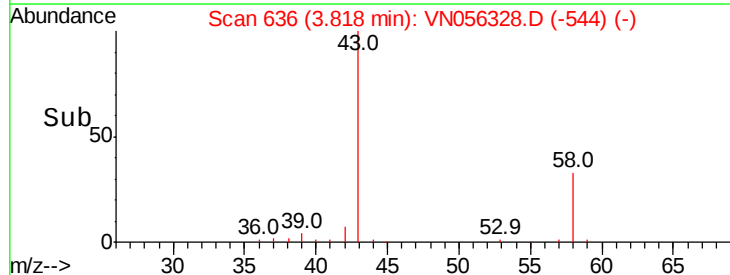
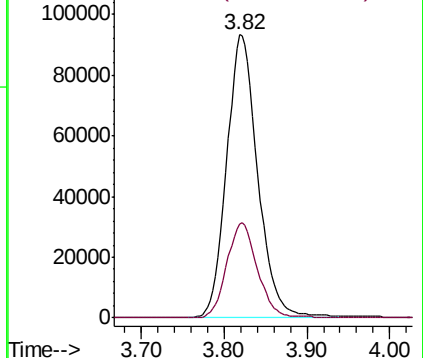
43 100

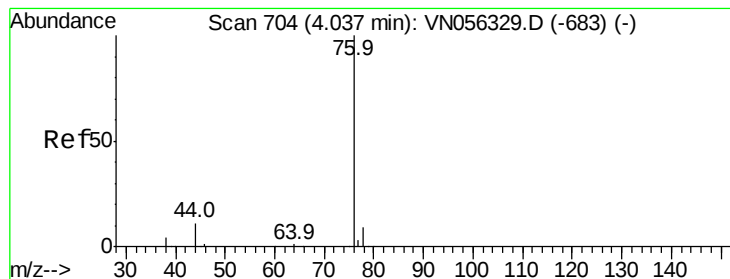
58 33.2 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.044 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

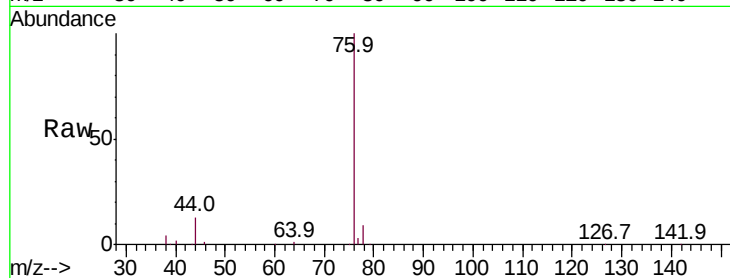
VSTDIC020

Tot Ion: 76 Resp: 176973

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

60000

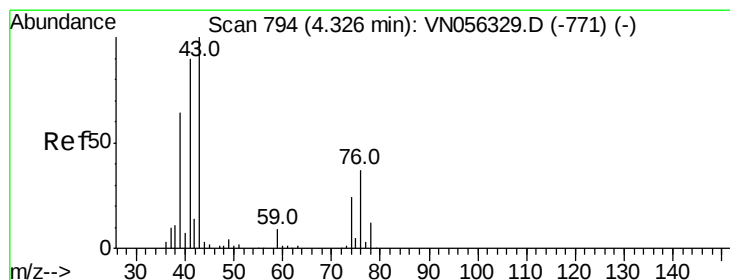
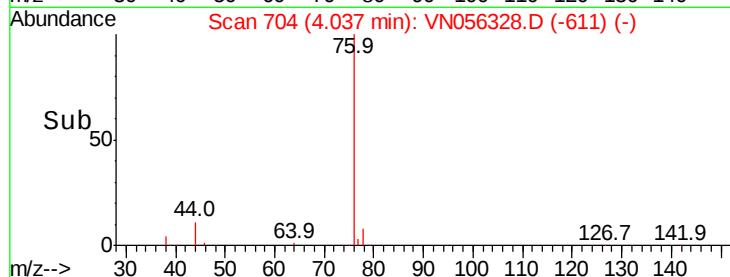
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 17.632 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN056328.D

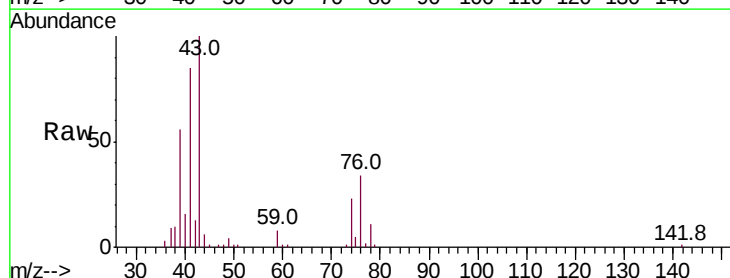
Acq: 17 Jun 2019 9:37

Tgt Ion: 43 Resp: 84003

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

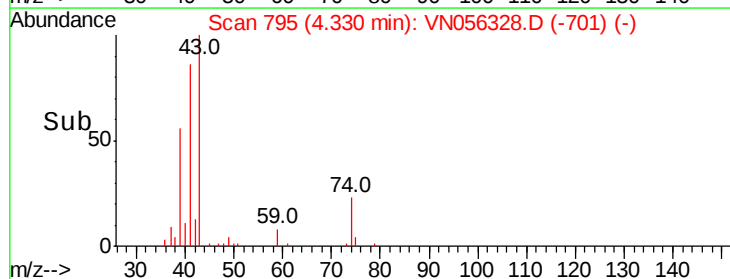
20000

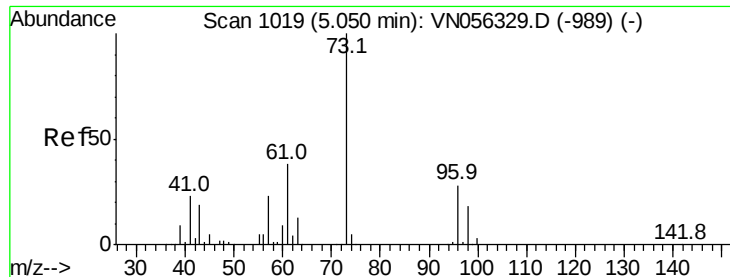
10000

0

Time-->

4.20 4.30 4.40 4.50



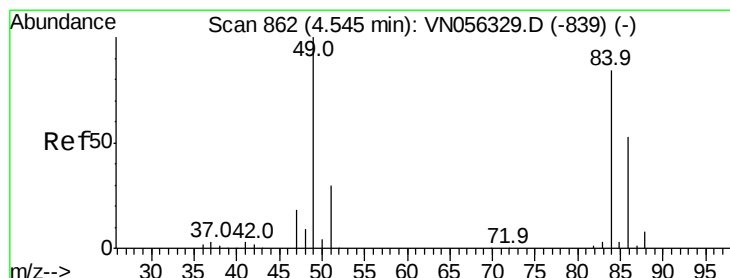
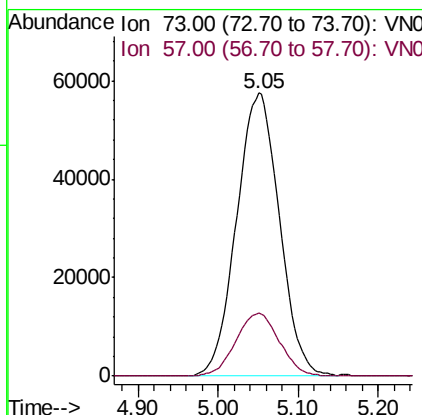
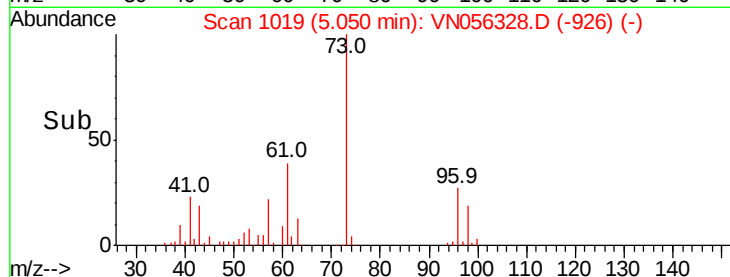
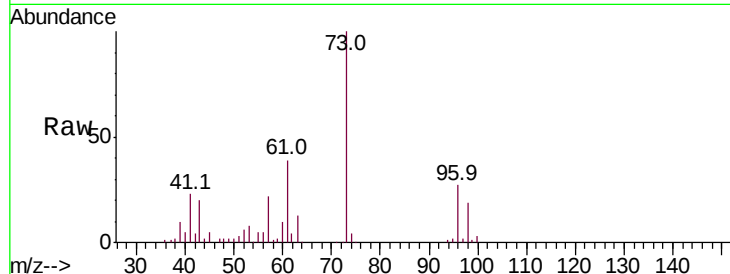


#19

Methyl tert-butyl Ether
 Concen: 17.195 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

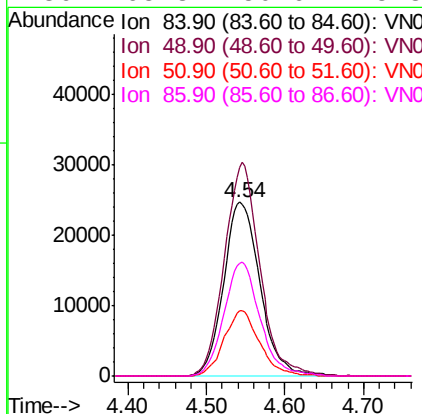
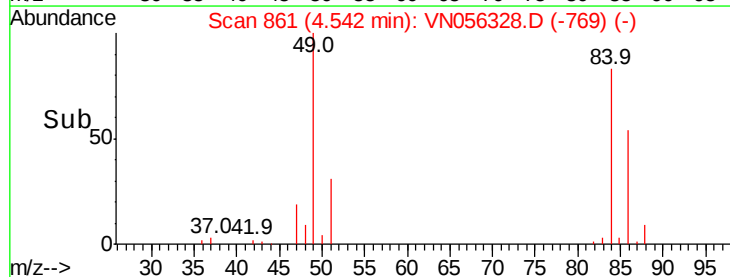
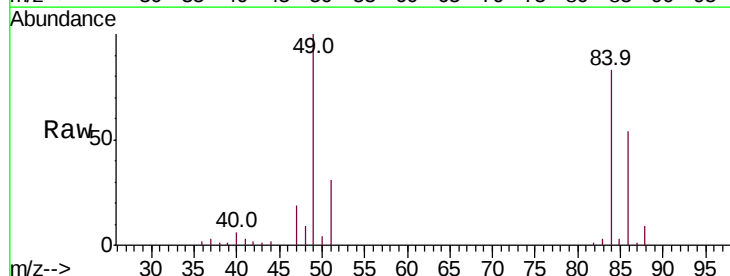
Tot Ion: 73 Resp: 209249
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.1 27.1

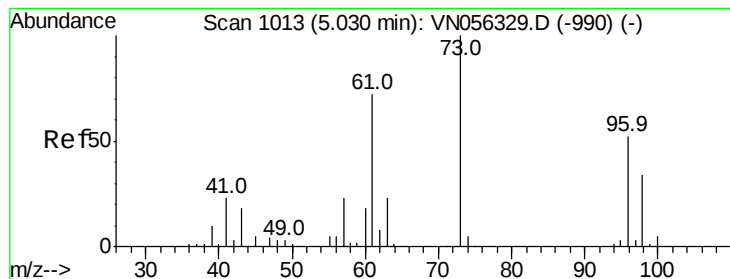


#20

Methylene Chloride
 Concen: 17.560 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion: 84 Resp: 79072
 Ion Ratio Lower Upper
 84 100
 49 120.4 95.0 142.6
 51 37.7 28.2 42.4
 86 65.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 17.273 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

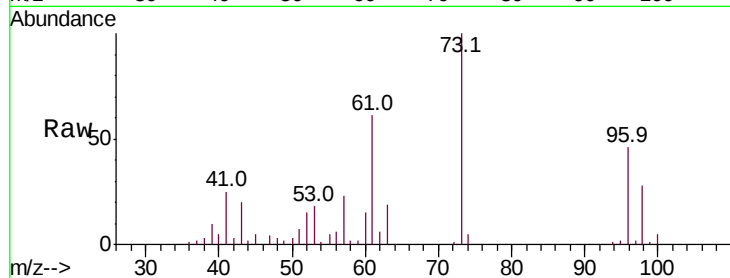
Tot Ion: 96 Resp: 71304

Ion Ratio Lower Upper

96 100

61 134.9 109.8 164.6

98 61.0 52.0 78.0

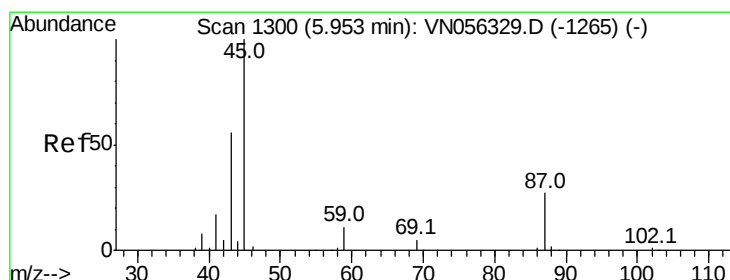
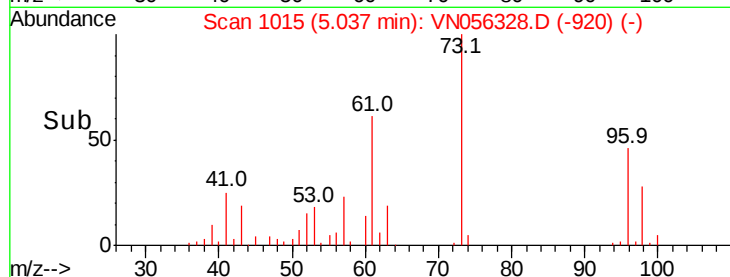
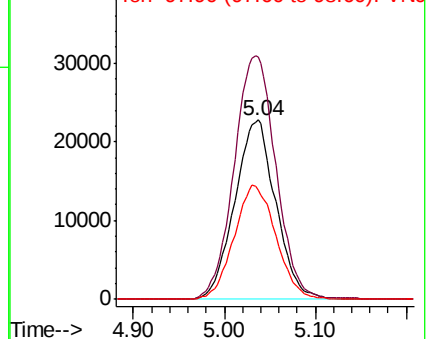


Abundance

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



#22

Diisopropyl ether

Concen: 17.666 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Tgt Ion: 45 Resp: 226045

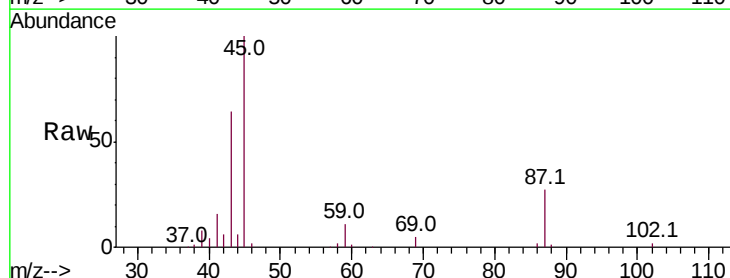
Ion Ratio Lower Upper

45 100

43 62.3 47.0 70.6

87 27.2 22.4 33.6

59 11.2 9.2 13.8



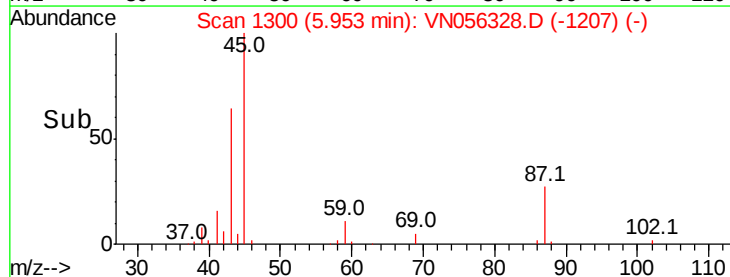
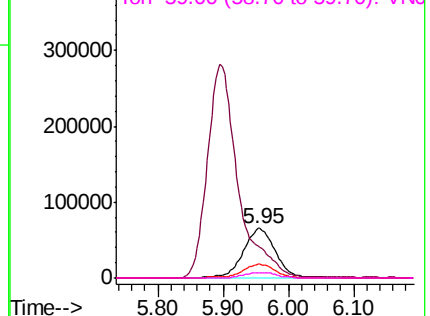
Abundance

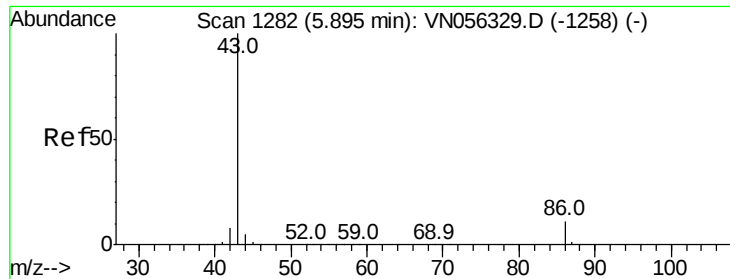
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 89.764 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

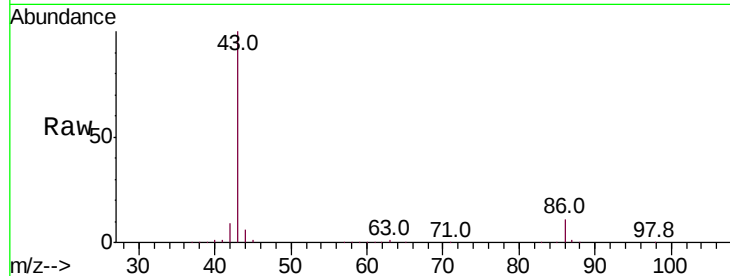
VSTDIC020

Tot Ion: 43 Resp: 927988

Ion Ratio Lower Upper

43 100

86 10.7 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN056329.D (-1258) (-)

5.90

300000

250000

200000

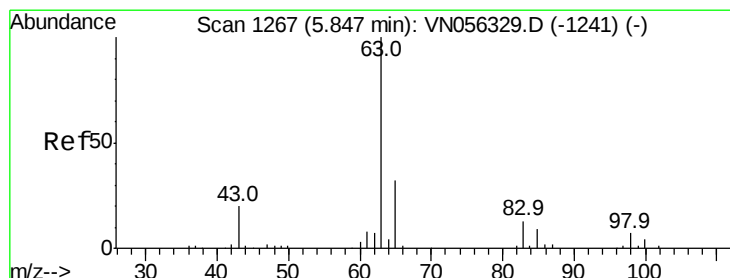
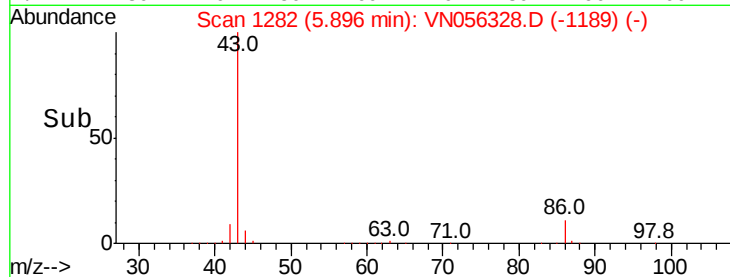
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 17.629 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

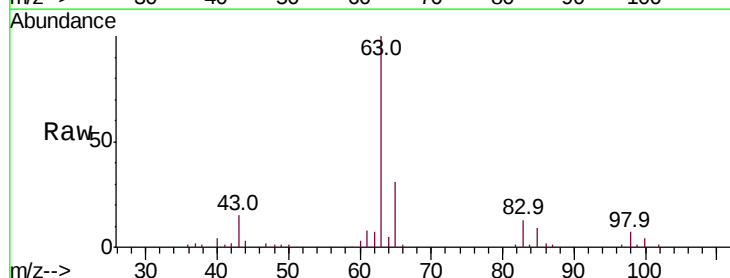
Tgt Ion: 63 Resp: 130128

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN056329.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN056329.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN056329.D (-1241) (-)

5.85

50000

40000

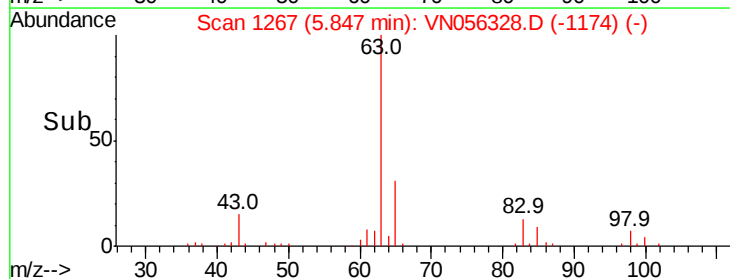
30000

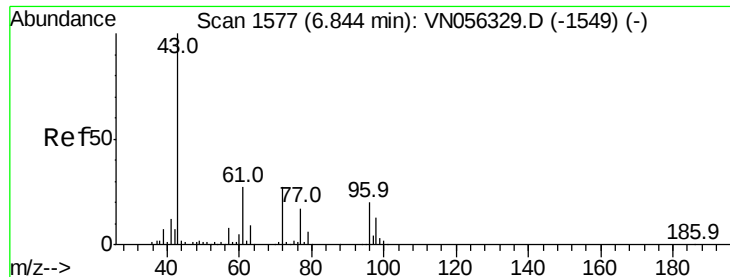
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 96.867 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

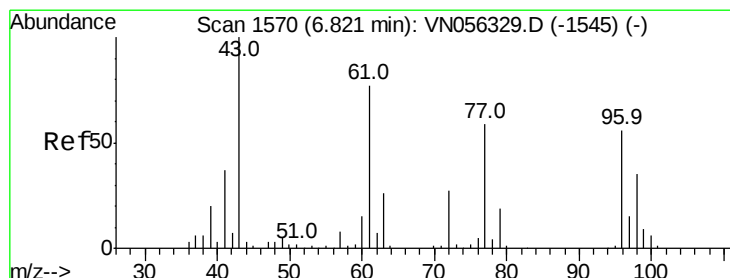
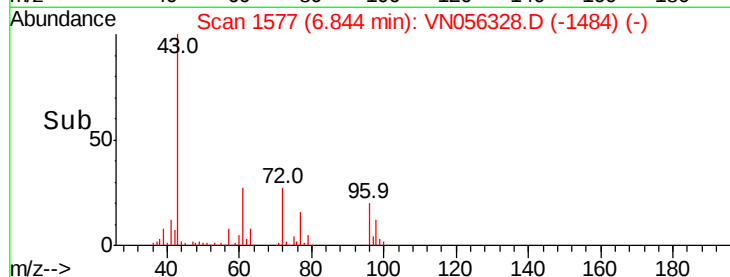
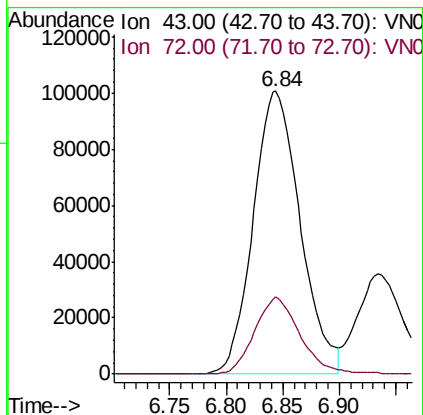
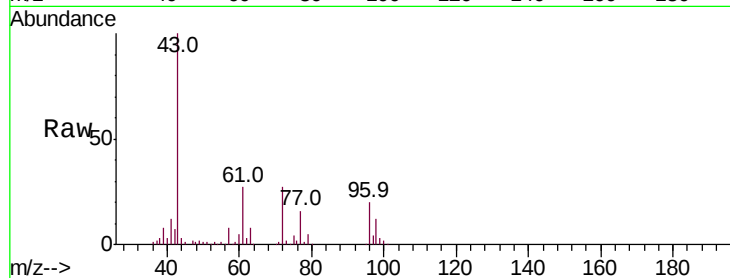
VSTDIC020

Tot Ion: 43 Resp: 289074

Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.2



#26

2,2-Dichloropropane

Concen: 16.692 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056328.D

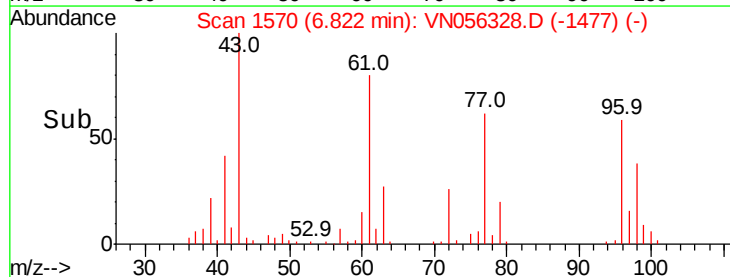
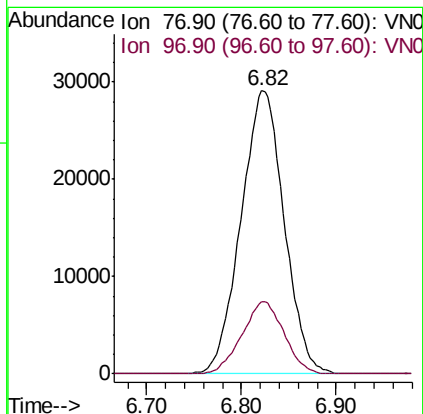
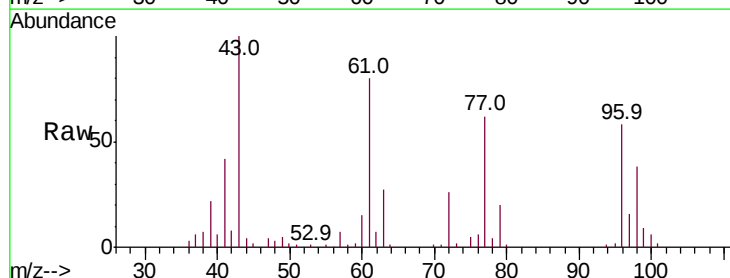
Acq: 17 Jun 2019 9:37

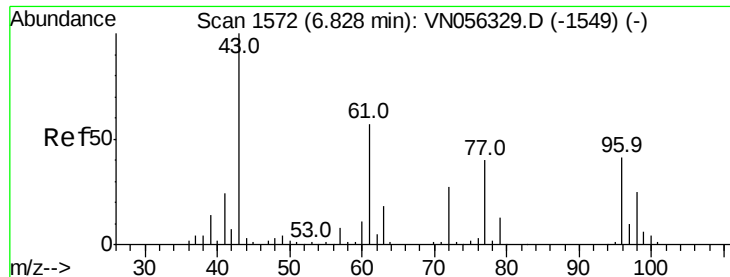
Tgt Ion: 77 Resp: 92212

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 17.090 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

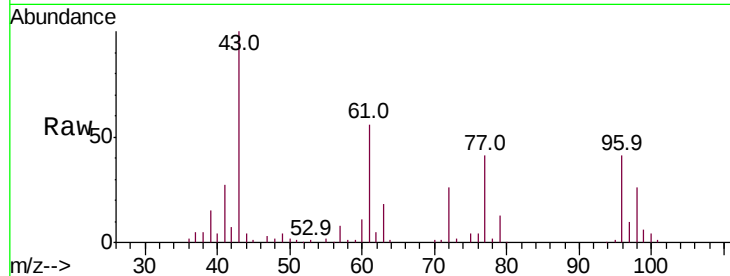
Tot Ion: 96 Resp: 82432

Ion Ratio Lower Upper

96 100

61 139.5 0.0 278.6

98 64.6 0.0 127.0

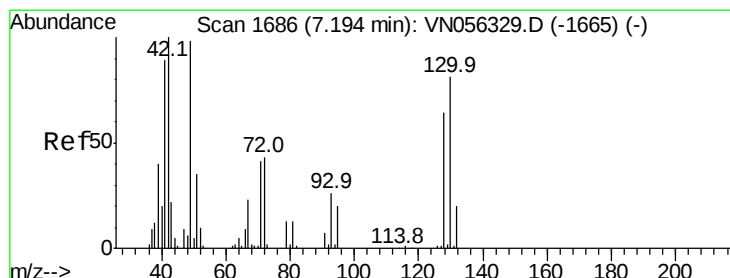
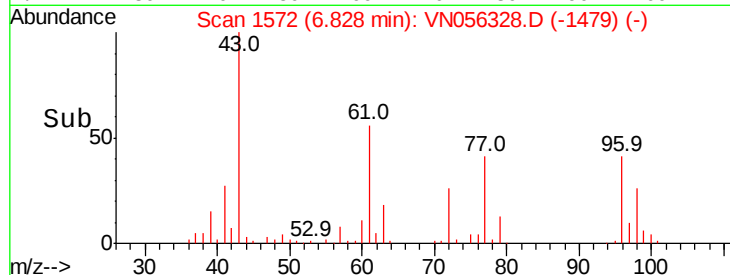
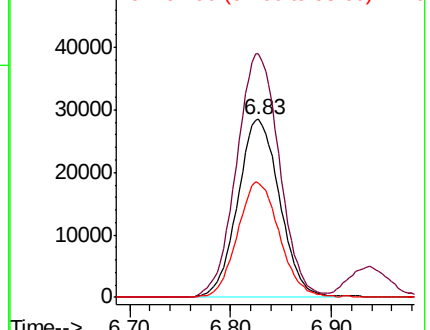


Abundance

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: 20.126 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

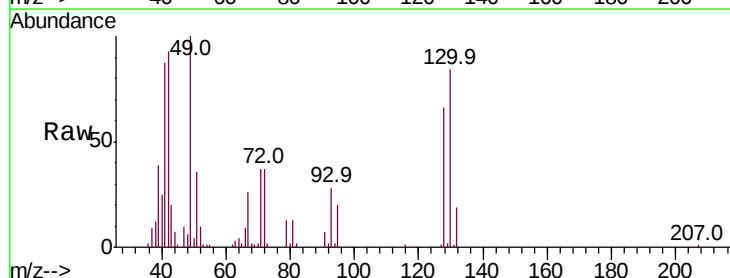
Tgt Ion: 49 Resp: 72008

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.4

130 82.7 66.4 99.6

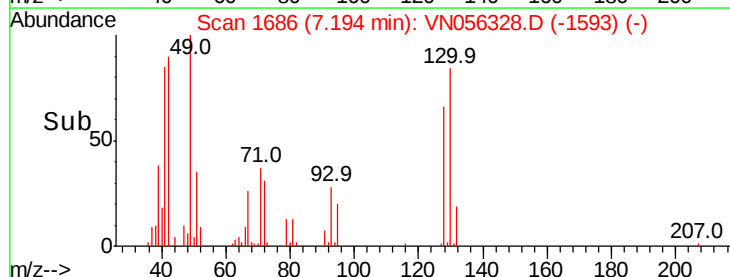
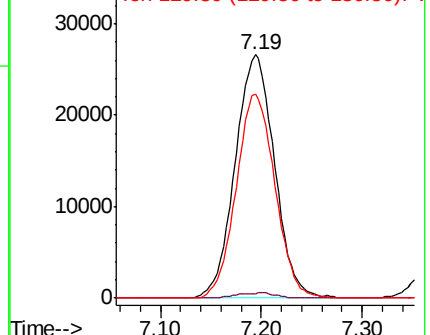


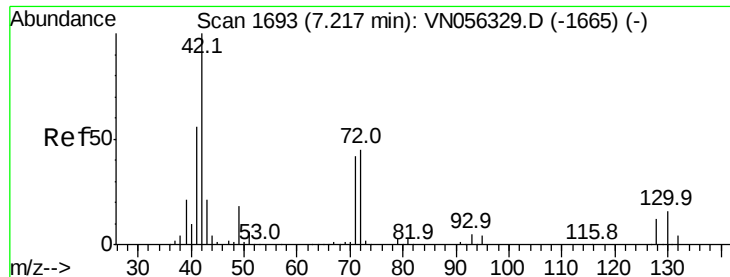
Abundance

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

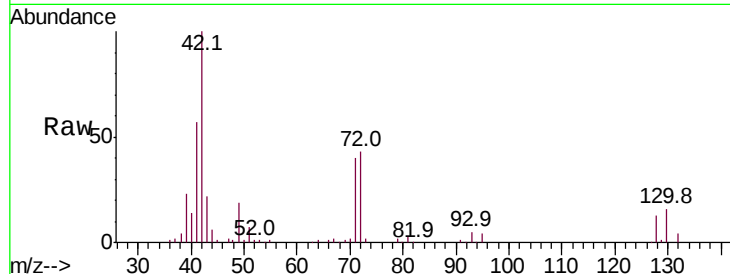




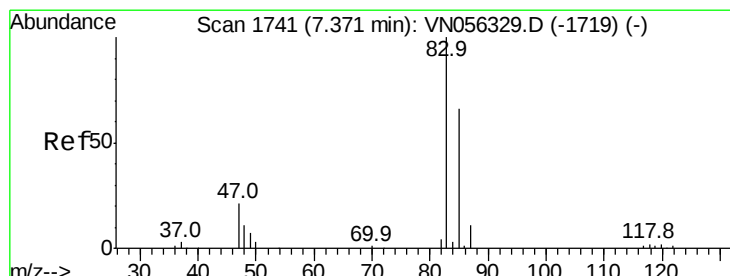
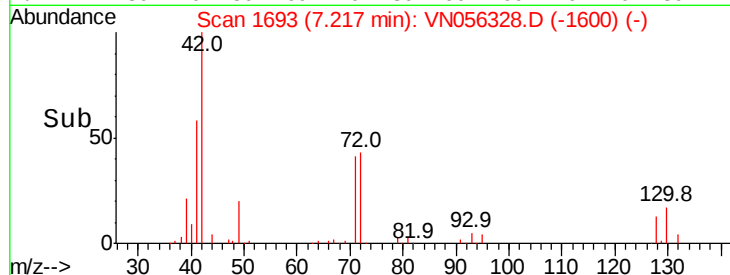
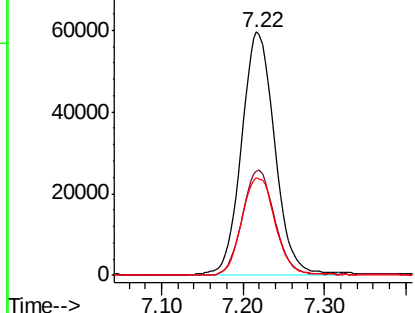
#29
Tetrahydrofuran
Concen: 93.538 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 167987
Ion Ratio Lower Upper
42 100
72 42.0 35.3 52.9
71 40.3 32.7 49.1

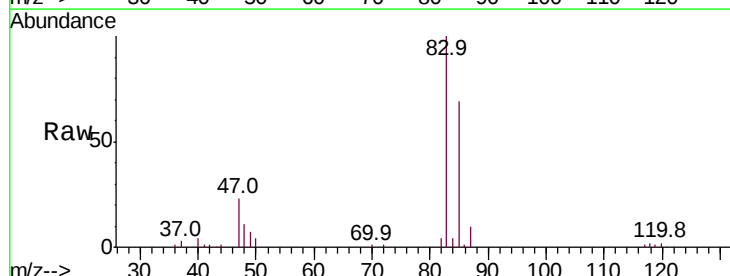


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

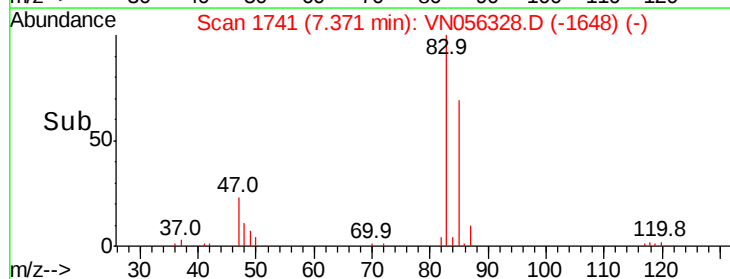
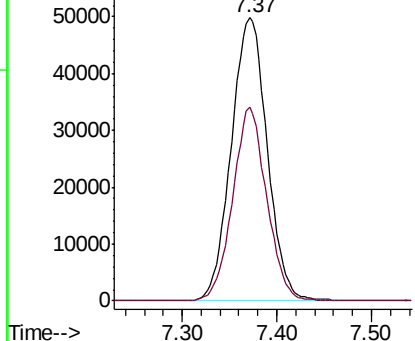


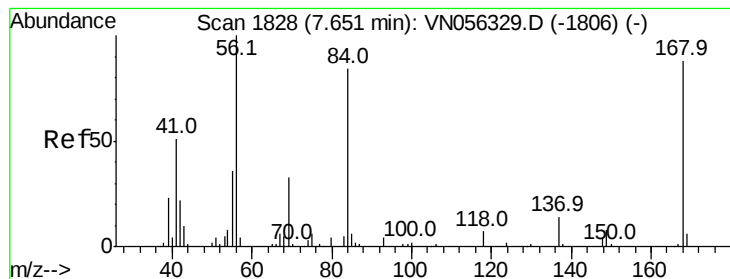
#30
Chloroform
Concen: 17.855 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 83 Resp: 131568
Ion Ratio Lower Upper
83 100
85 68.5 52.6 78.8



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





#31

Cyclohexane

Concen: 16.414 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

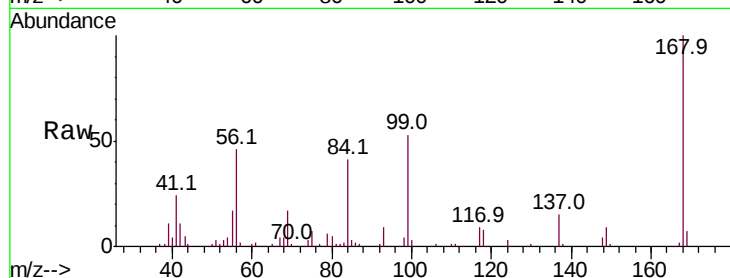
Tot Ion: 56 Resp: 123536

Ion Ratio Lower Upper

56 100

69 37.4 26.0 39.0

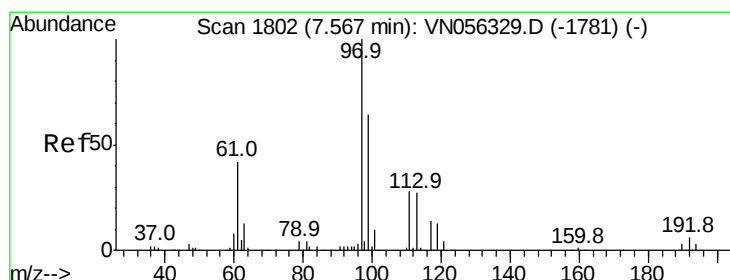
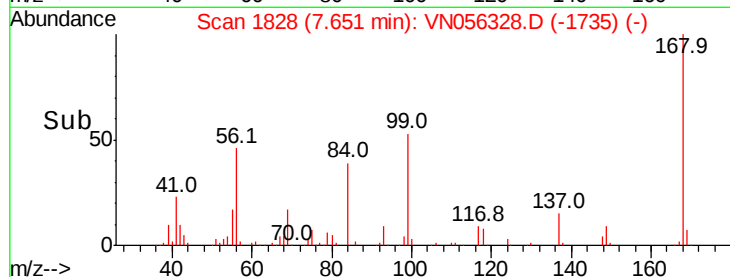
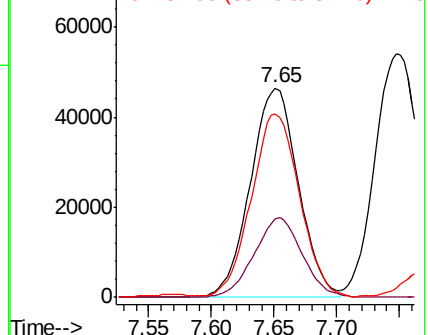
84 86.7 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.433 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

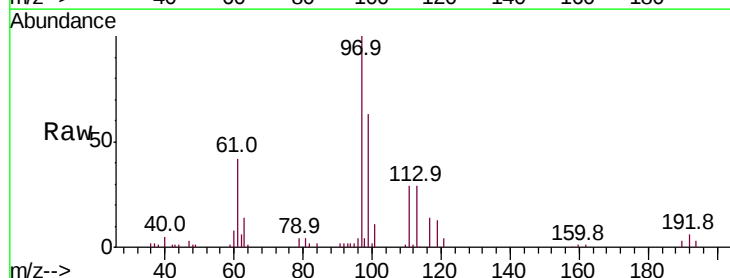
Tgt Ion: 97 Resp: 107163

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

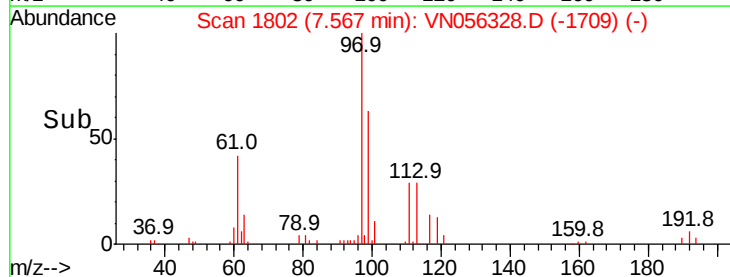
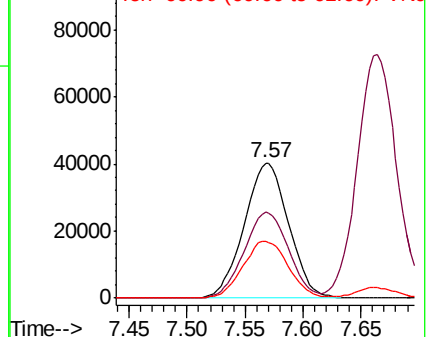
61 43.1 34.4 51.6

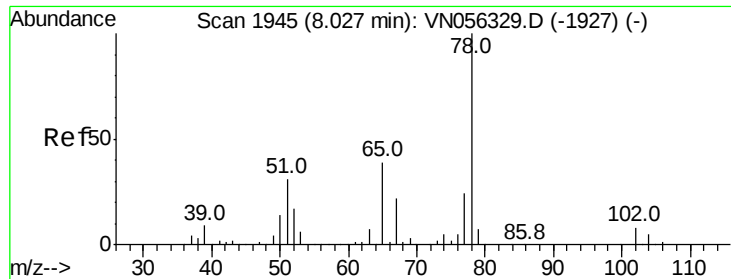


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 17.351 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

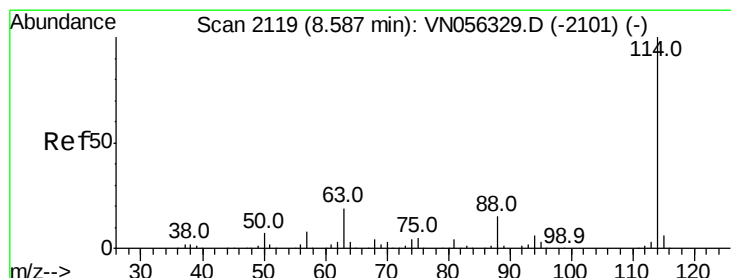
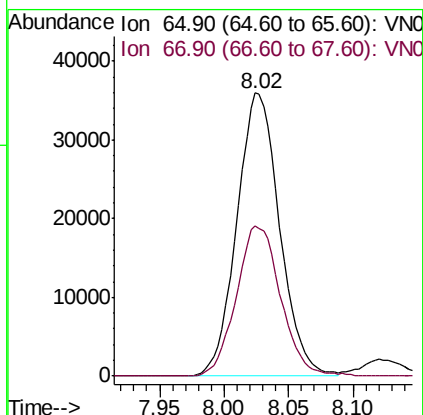
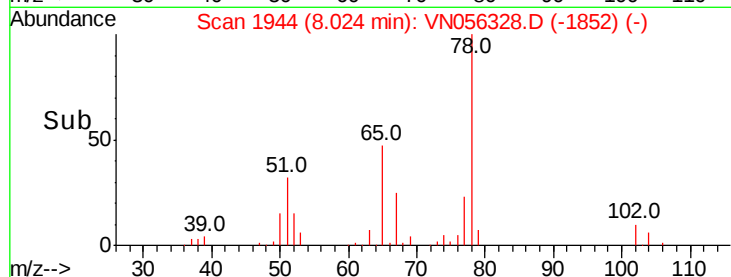
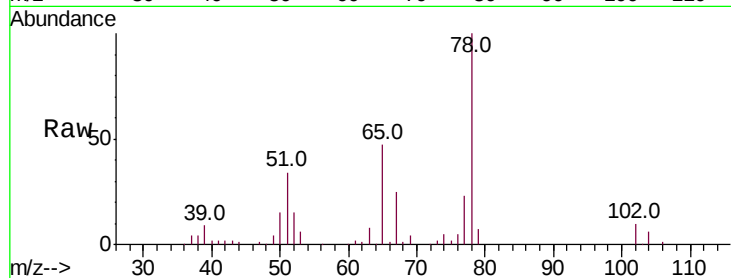
VSTDIC020

Tot Ion: 65 Resp: 83170

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

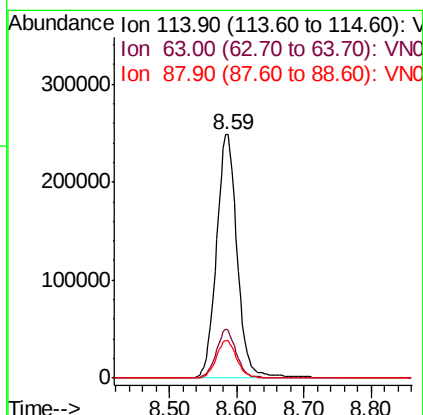
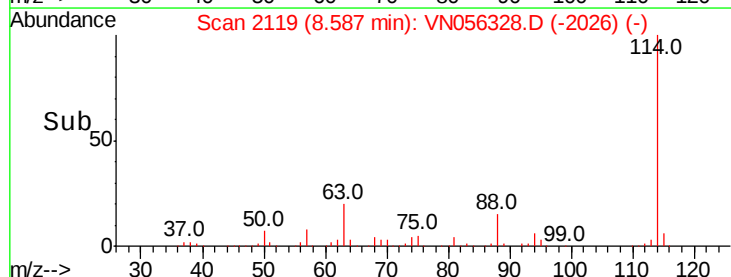
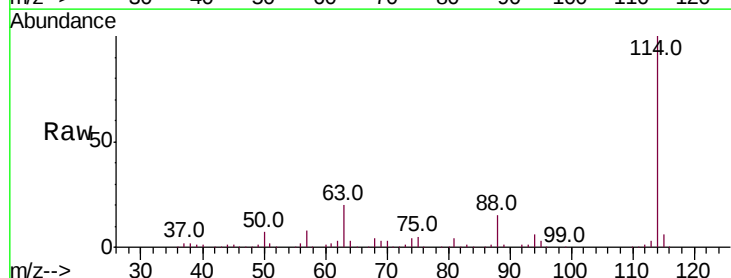
Tgt Ion: 114 Resp: 535691

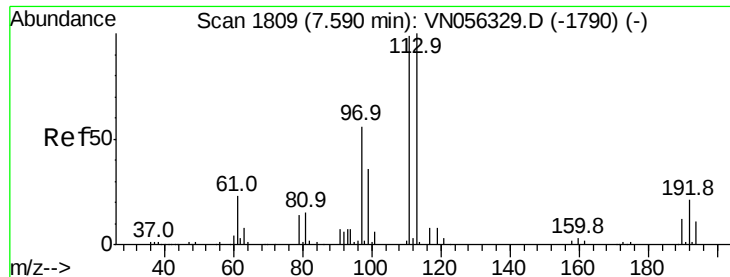
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

88 15.2 0.0 30.6

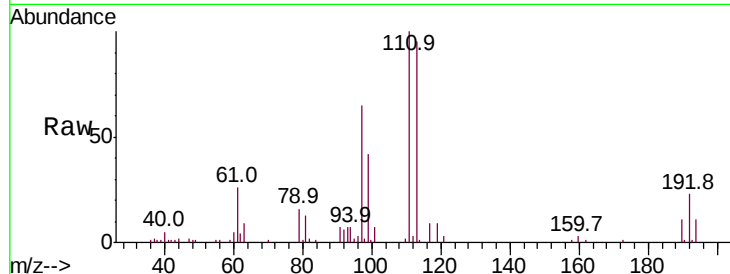




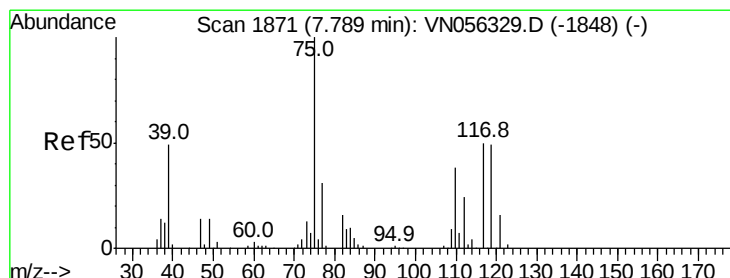
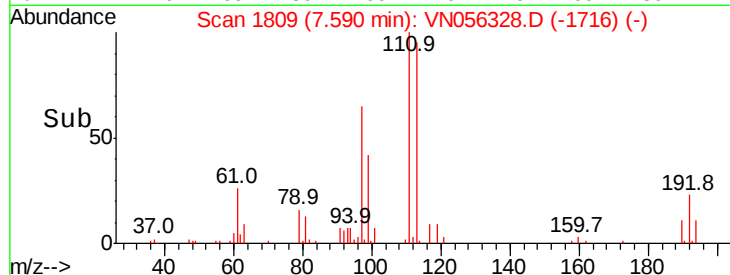
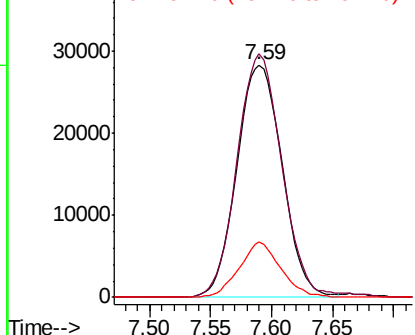
#35
 Dibromofluoromethane
 Concen: 16.604 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	21.6	17.6	26.4

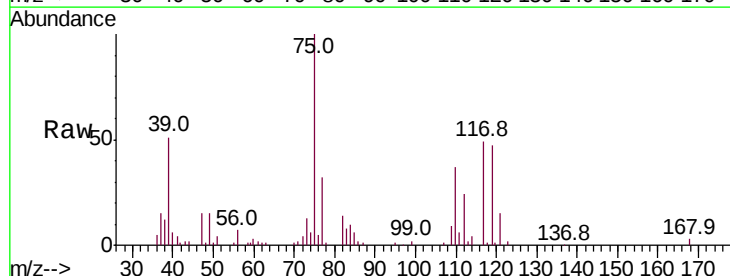


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

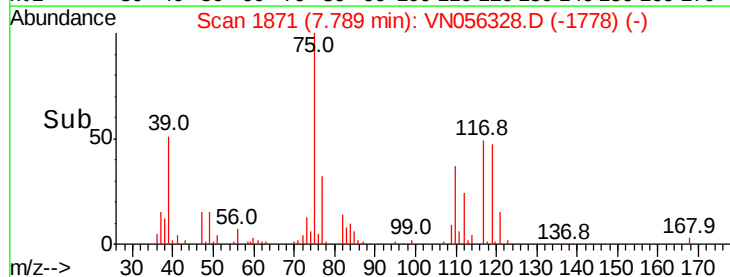
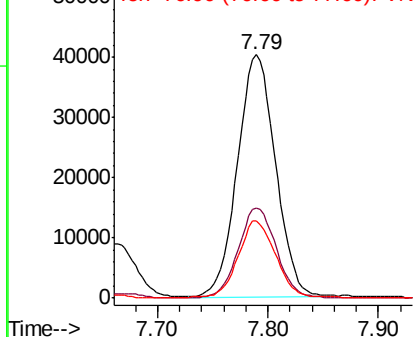


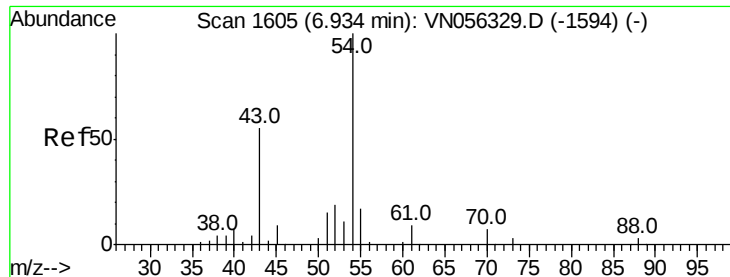
#36
 1,1-Dichloropropene
 Concen: 16.282 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	56.0
77	31.4	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

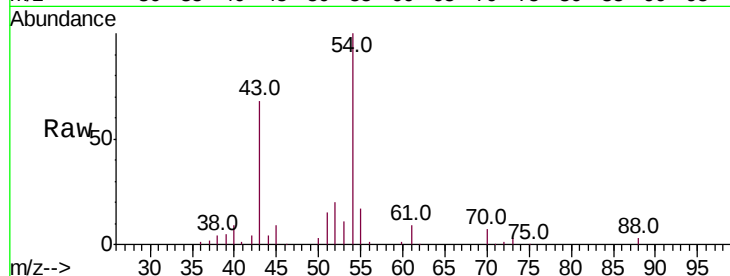




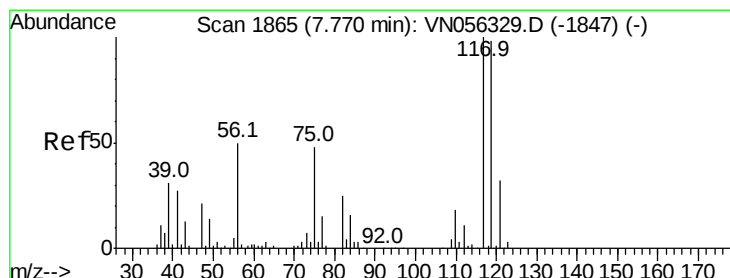
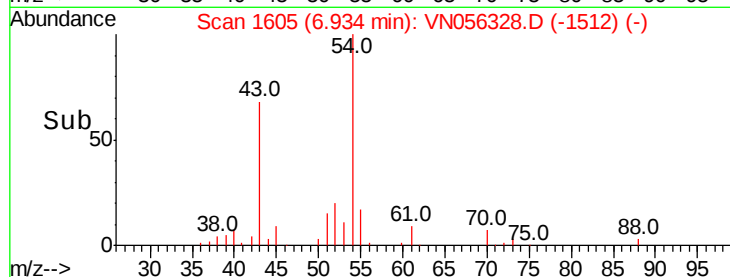
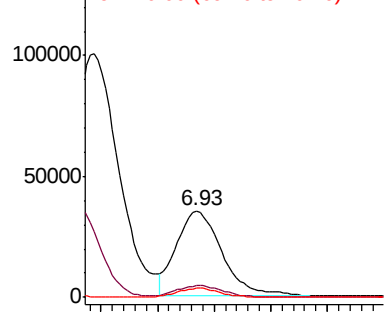
#37
Ethyl Acetate
Concen: 17.717 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	98657
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.7	17.5
70	10.1	8.3	12.5

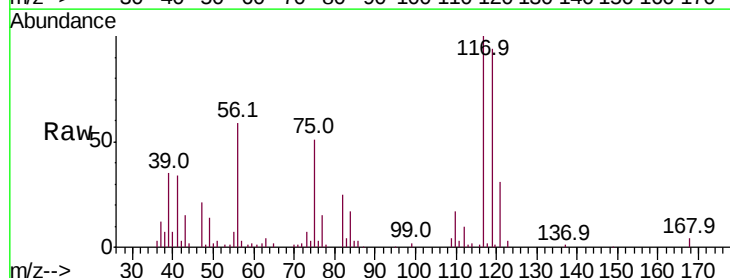


Abundance Ion 43.00 (42.70 to 43.70): VN056328.D (-1594) (-)

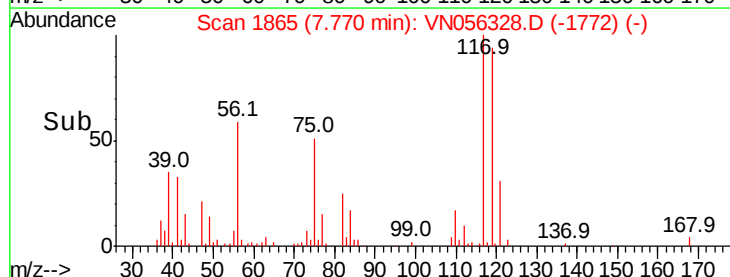
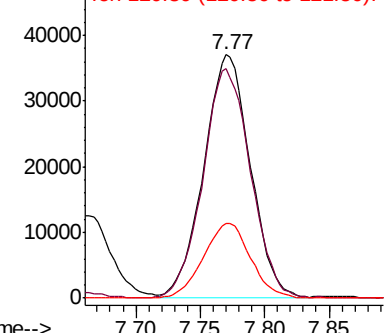


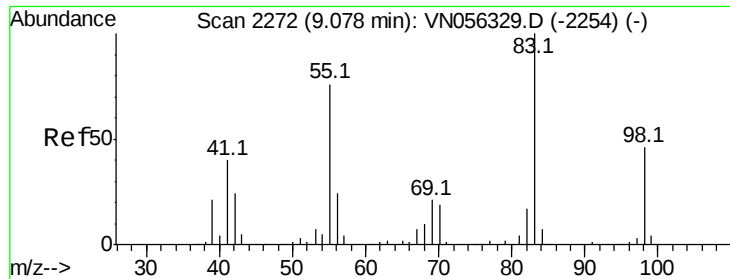
#38
Carbon Tetrachloride
Concen: 16.704 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion	117	Resp	92416
Ion Ratio	Lower	Upper	
117	100		
119	94.1	77.8	116.8
121	30.8	25.3	37.9



Abundance Ion 116.80 (116.50 to 117.50): VN056328.D (-1847) (-)

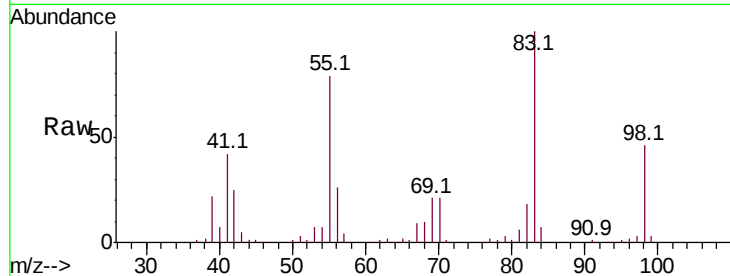




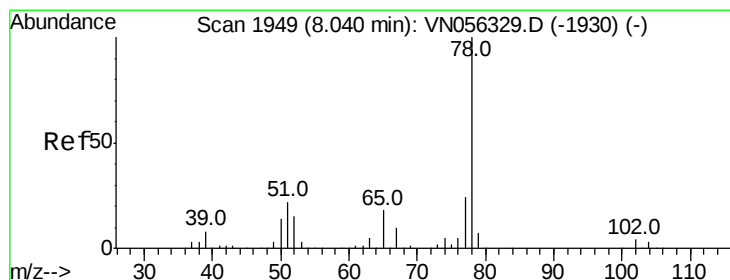
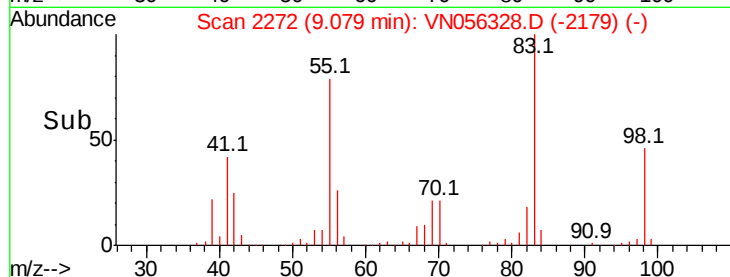
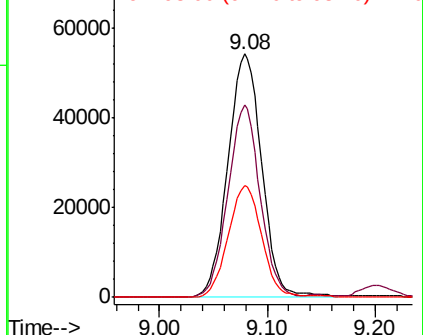
#39
Methvlcvclohexane
Concen: 16.231 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 119262
Ion Ratio Lower Upper
83 100
55 79.2 60.8 91.2
98 45.8 36.8 55.2

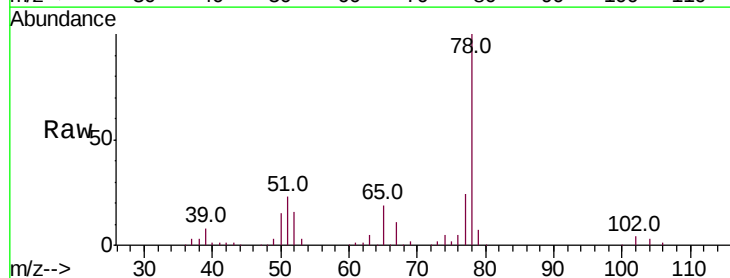


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

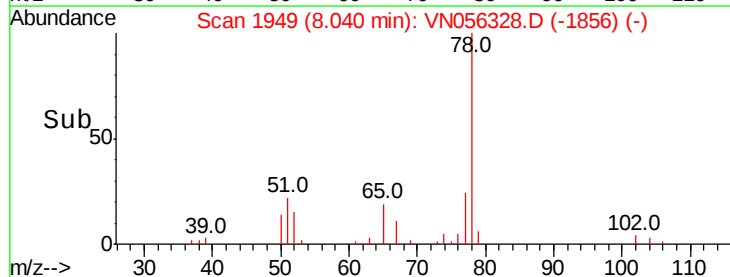
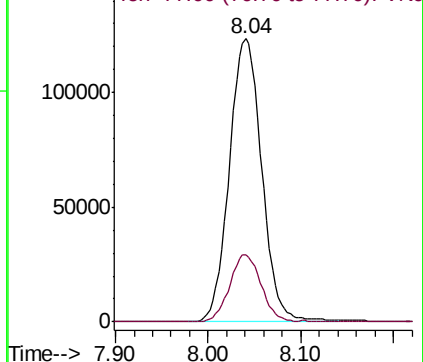


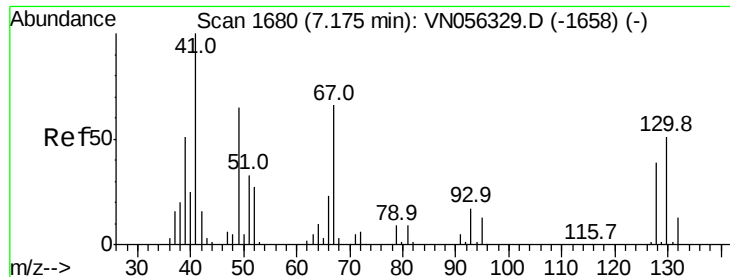
#40
Benzene
Concen: 16.658 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 78 Resp: 299814
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



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

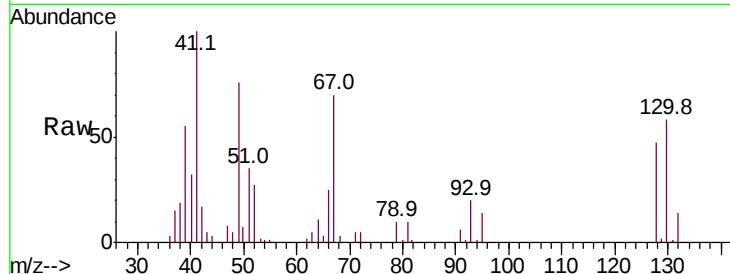




#41
Methacrylonitrile
Concen: 16.861 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	44077
Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.5	66.7
67	93.2	69.0	103.4
52	36.8	28.1	42.1



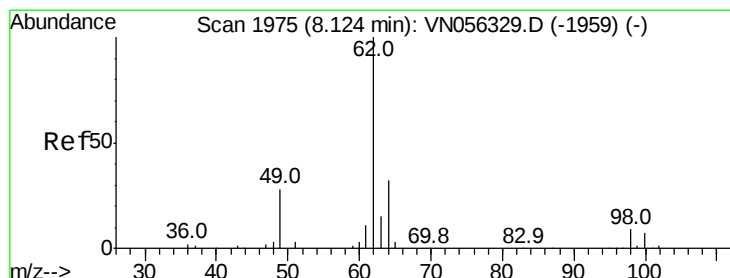
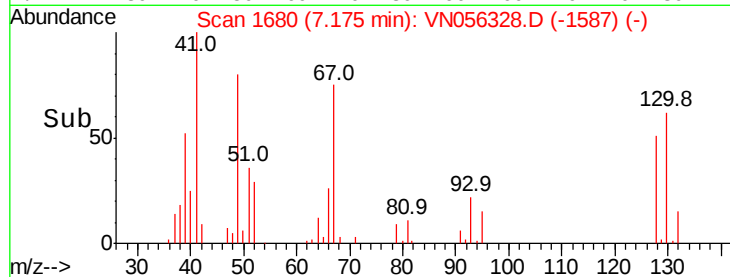
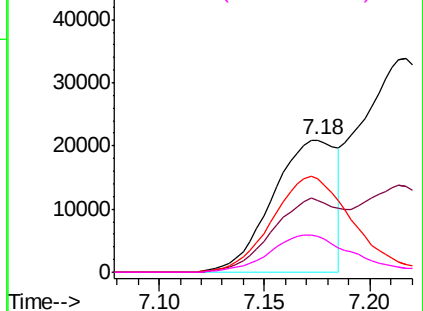
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

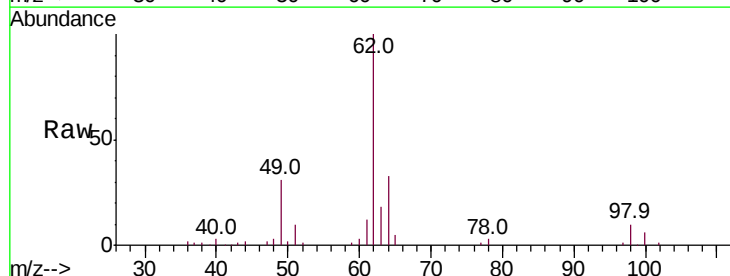
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 16.957 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

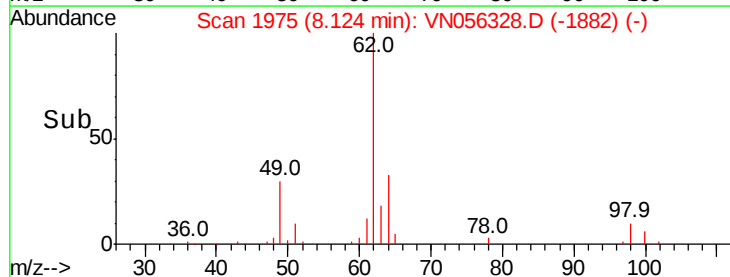
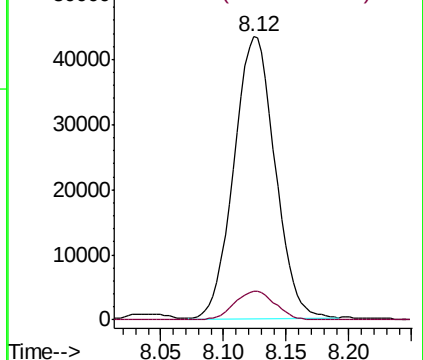
Tgt Ion:	62	Resp:	99230
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4

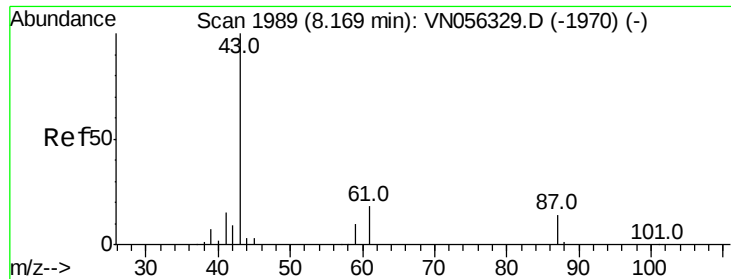


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 16.705 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

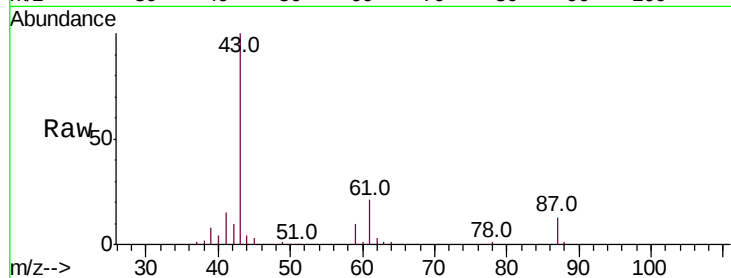
Tot Ion: 43 Resp: 146786

Ion Ratio Lower Upper

43 100

61 21.9 16.6 25.0

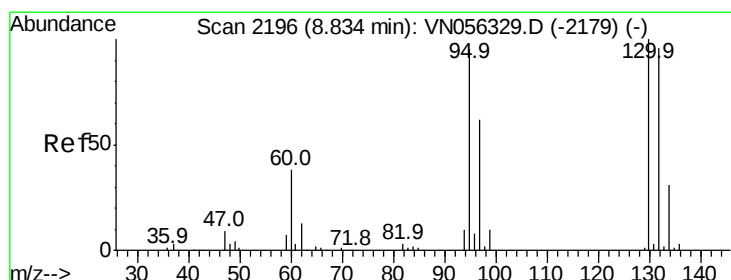
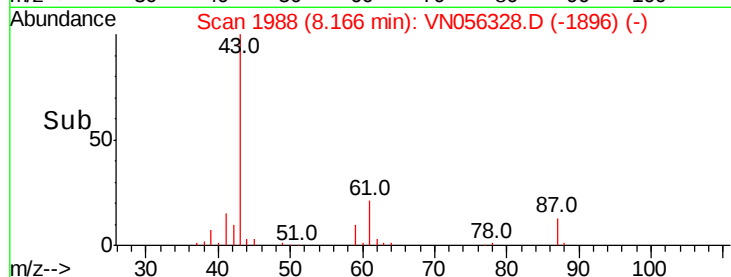
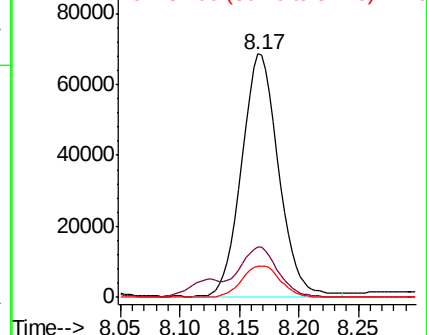
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 16.400 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056328.D

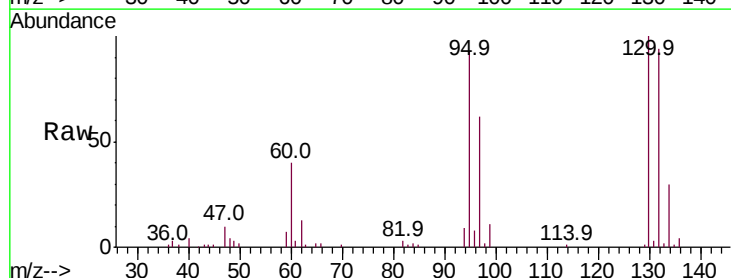
Acq: 17 Jun 2019 9:37

Tgt Ion:130 Resp: 82522

Ion Ratio Lower Upper

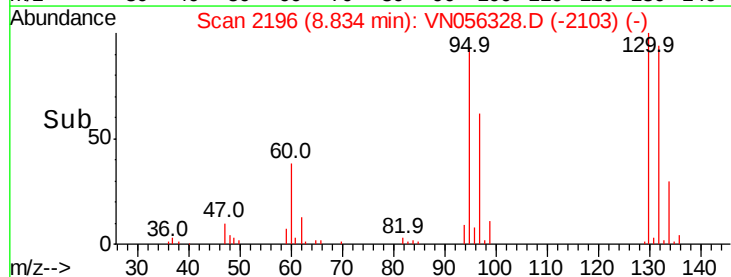
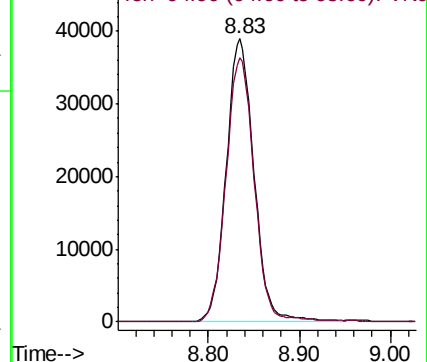
130 100

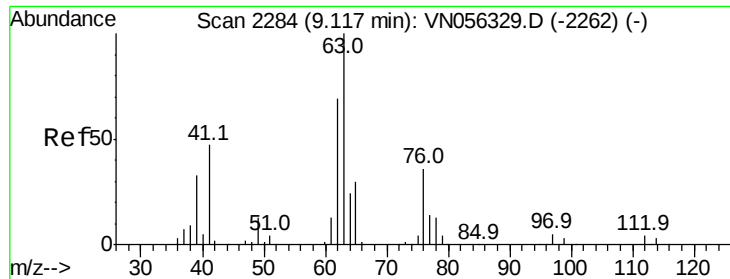
95 93.3 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

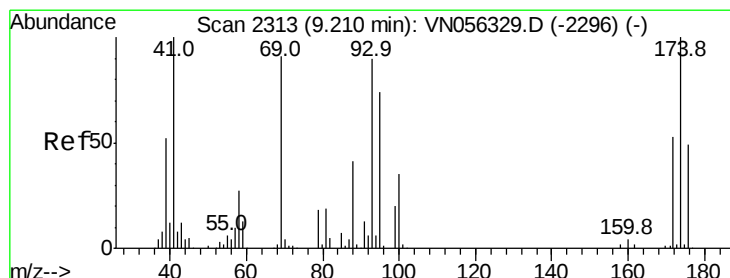
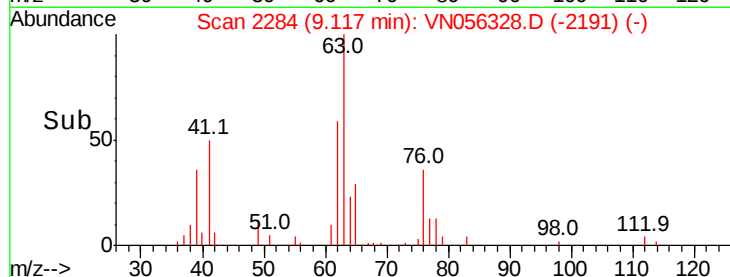
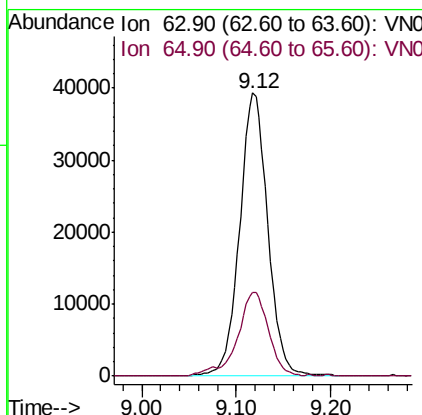
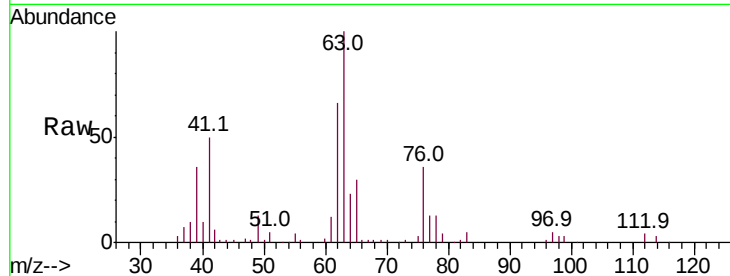




#45
 1,2-Dichloropropane
 Concen: 17.298 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

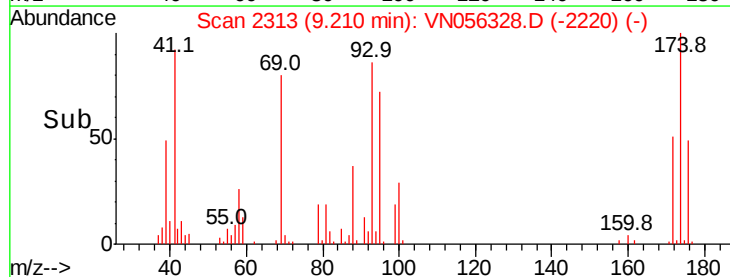
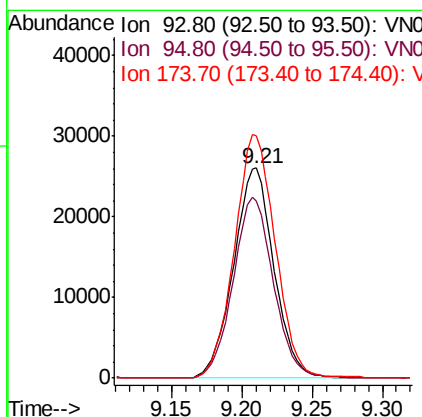
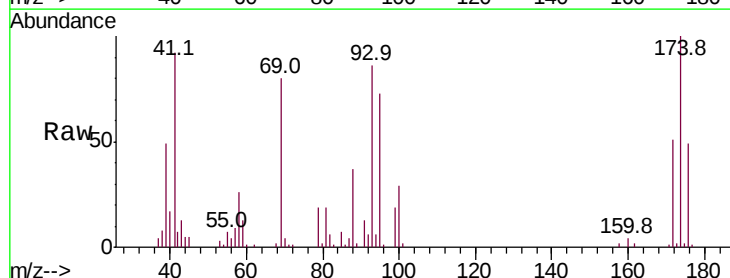
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

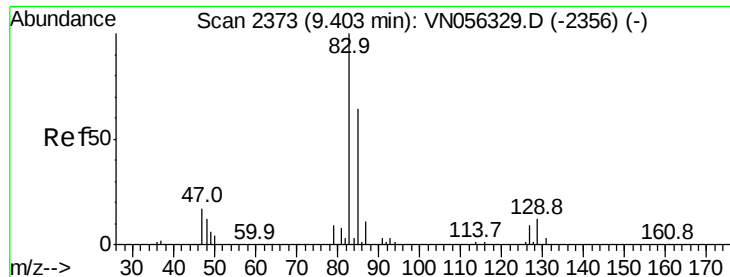
Tot Ion: 63 Resp: 81353
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6



#46
 Dibromomethane
 Concen: 16.972 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion: 93 Resp: 52268
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.2 100.8
 174 117.5 90.3 135.5





#47

Bromodichloromethane

Concen: 17.342 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

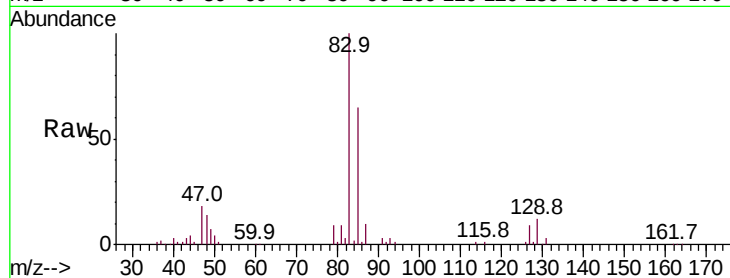
Tot Ion: 83 Resp: 99212

Ion Ratio Lower Upper

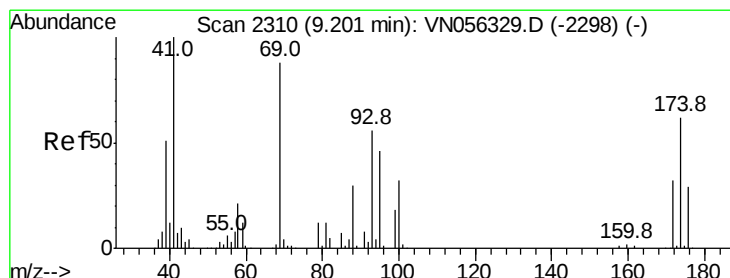
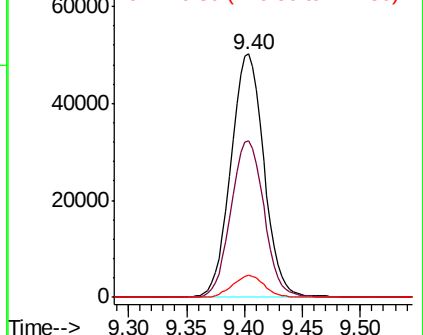
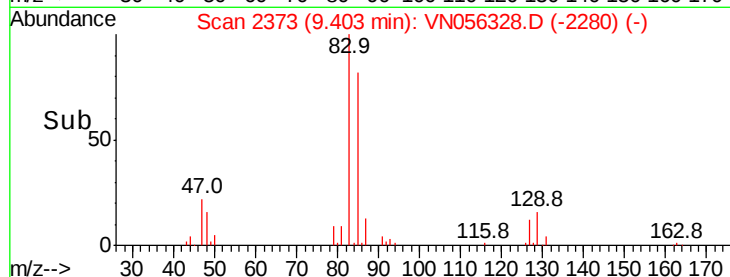
83 100

85 64.6 51.1 76.7

127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN056328.D (-2280) (-)



#48

Methyl methacrylate

Concen: 16.844 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

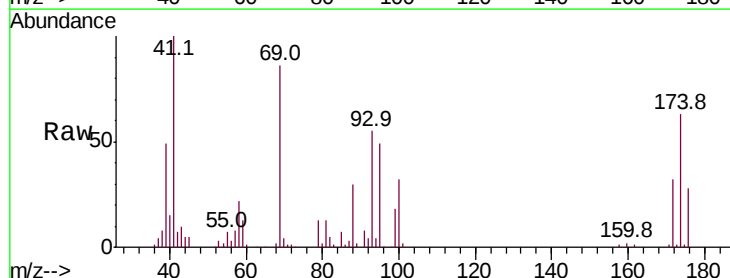
Tgt Ion: 41 Resp: 73878

Ion Ratio Lower Upper

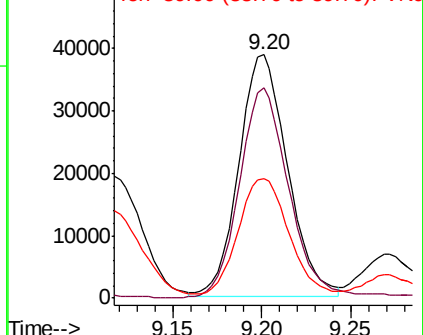
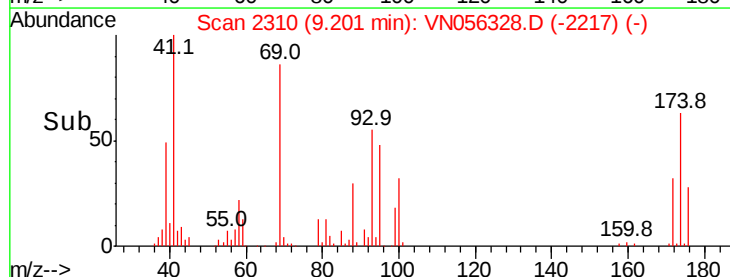
41 100

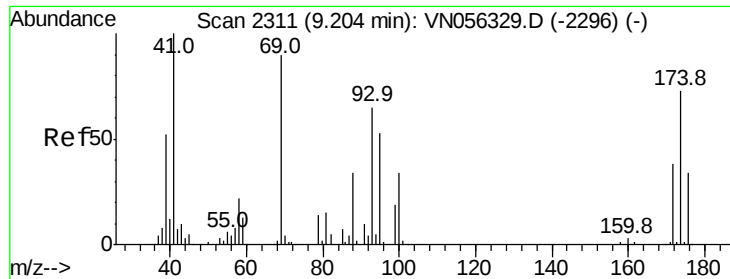
69 89.5 71.0 106.6

39 52.0 41.7 62.5



Abundance Ion 41.00 (40.70 to 41.70): VN056328.D (-2217) (-)





#49

1,4-Dioxane

Concen: 331.337 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

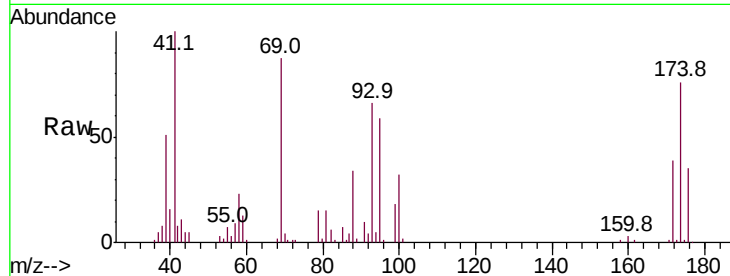
Tot Ion: 88 Resp: 30399

Ion Ratio Lower Upper

88 100

43 26.8 21.9 32.9

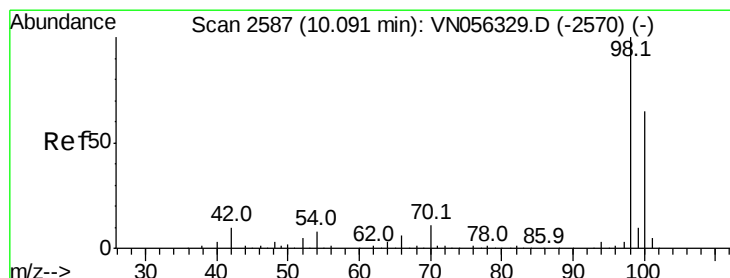
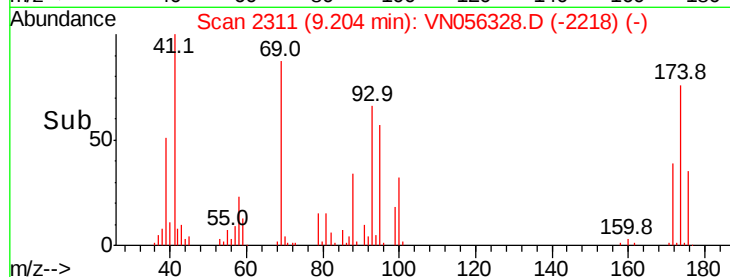
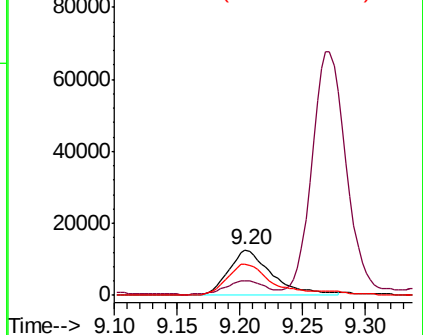
58 69.6 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 16.173 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056328.D

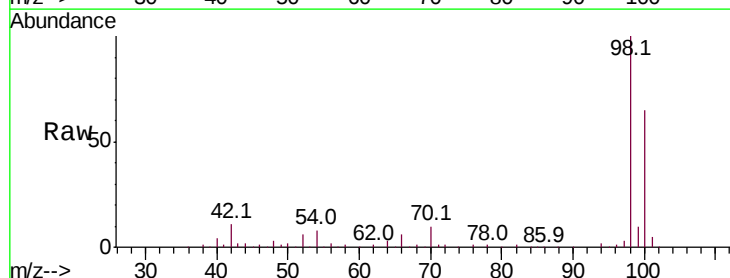
Acq: 17 Jun 2019 9:37

Tgt Ion: 98 Resp: 272905

Ion Ratio Lower Upper

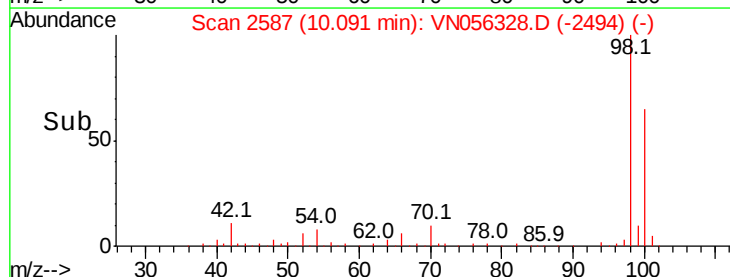
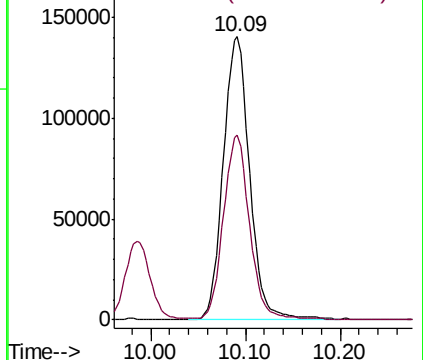
98 100

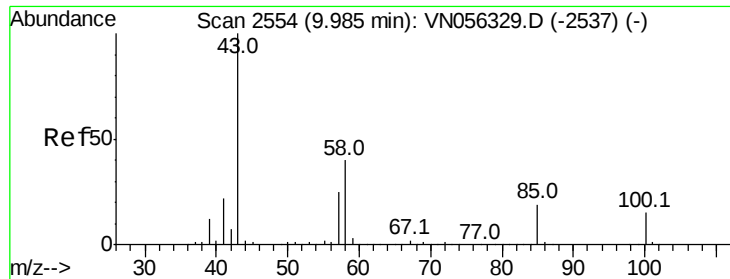
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 86.121 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

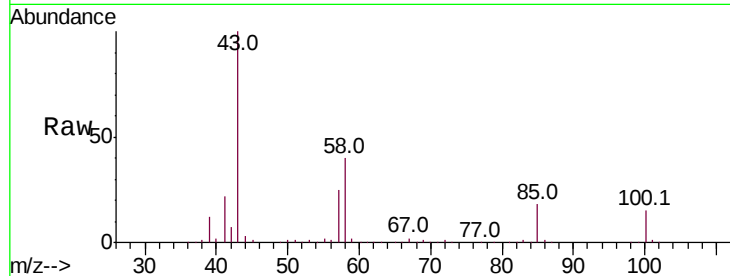
VSTDIC020

Tot Ion: 43 Resp: 482494

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN056329.D (-2537) (-)

9.99

250000

200000

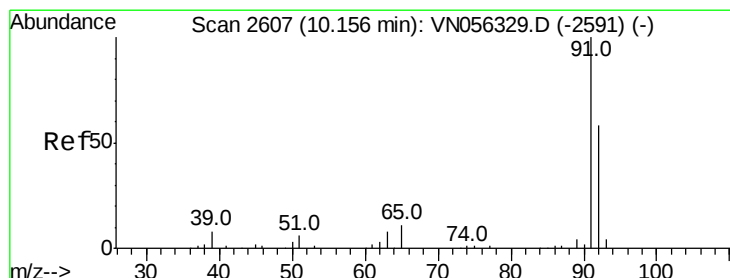
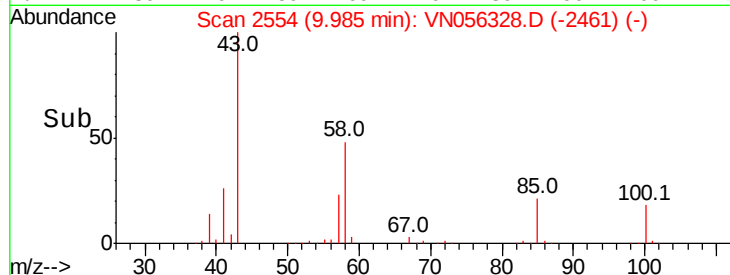
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 16.378 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056328.D

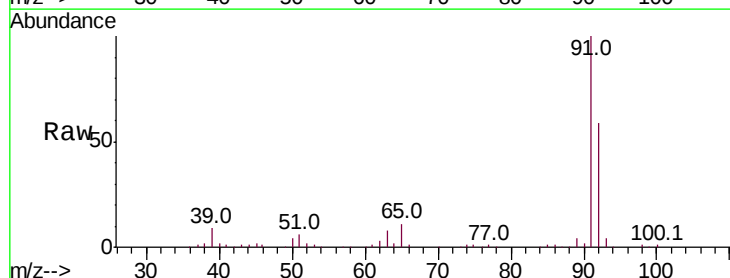
Acq: 17 Jun 2019 9:37

Tgt Ion: 92 Resp: 183151

Ion Ratio Lower Upper

92 100

91 176.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN056329.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN056329.D (-2591) (-)

10.15

200000

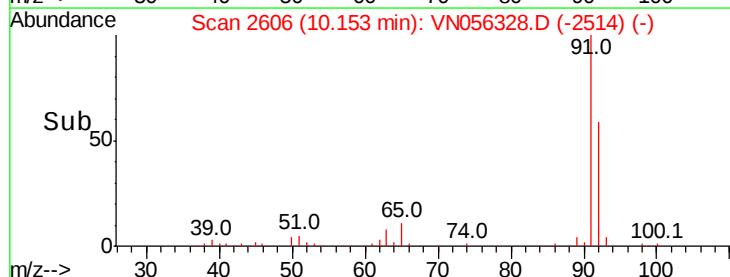
150000

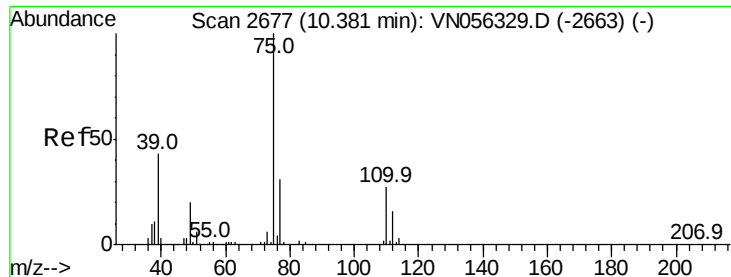
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.402 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

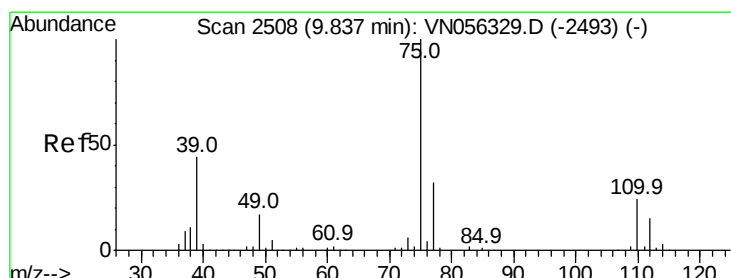
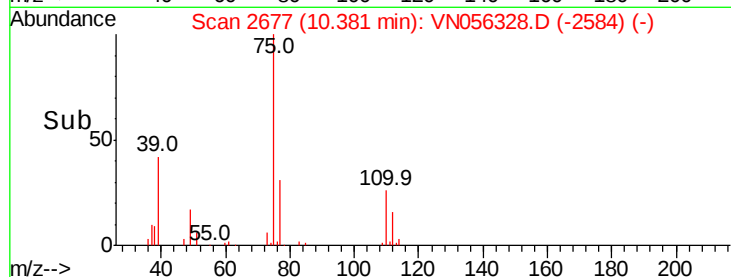
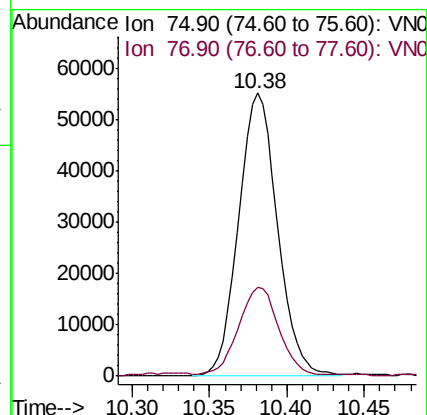
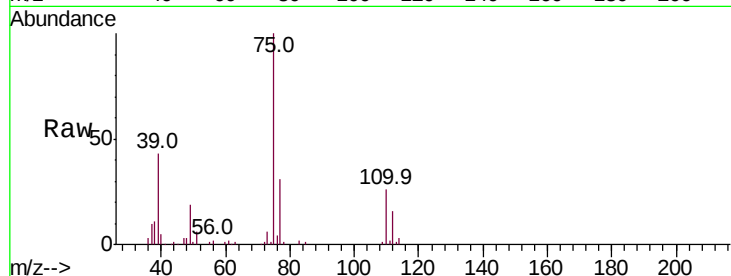
VSTDIC020

Tot Ion: 75 Resp: 96713

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 17.238 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

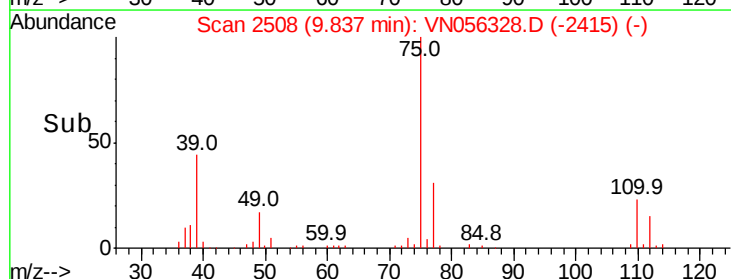
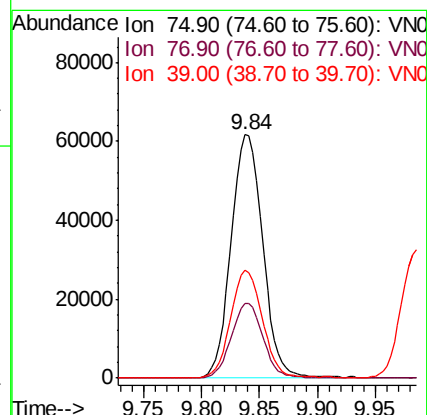
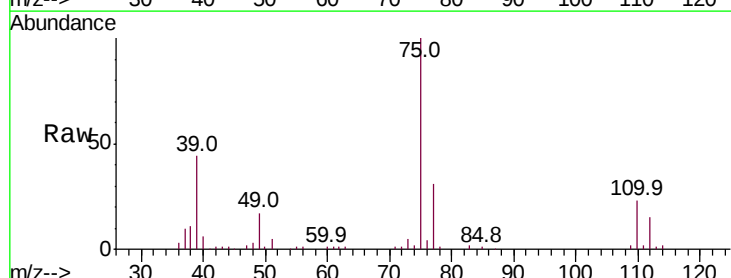
Tgt Ion: 75 Resp: 116766

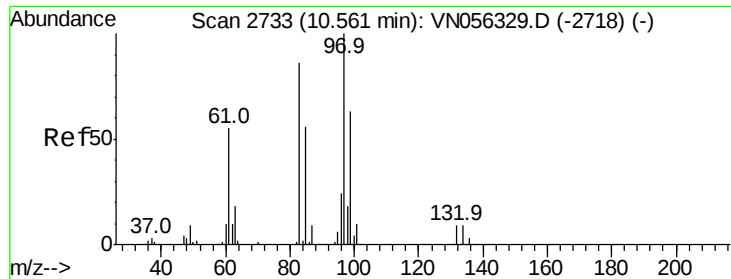
Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5

39 44.4 35.4 53.0

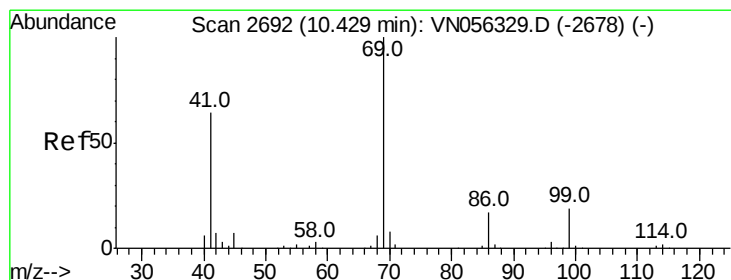
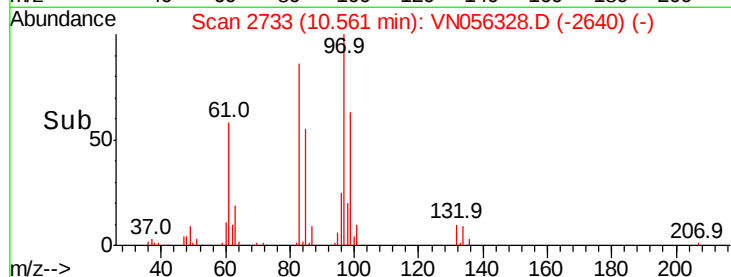
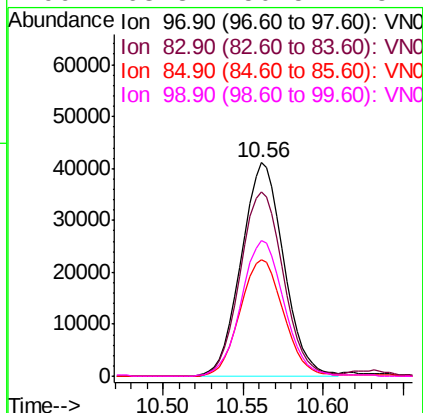
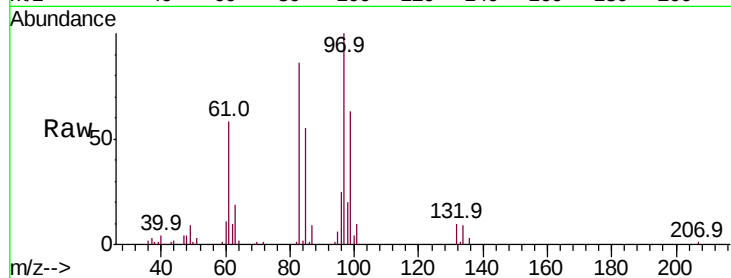




#55
 1,1,2-Trichloroethane
 Concen: 16.780 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

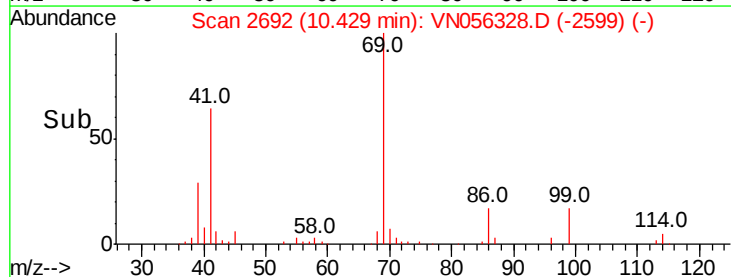
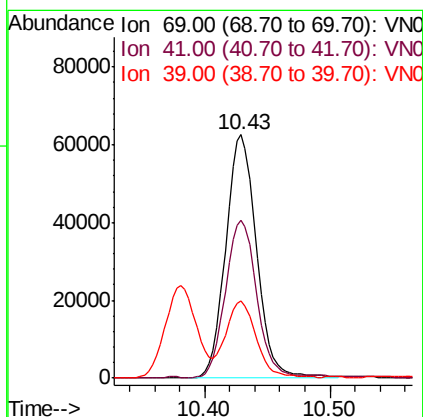
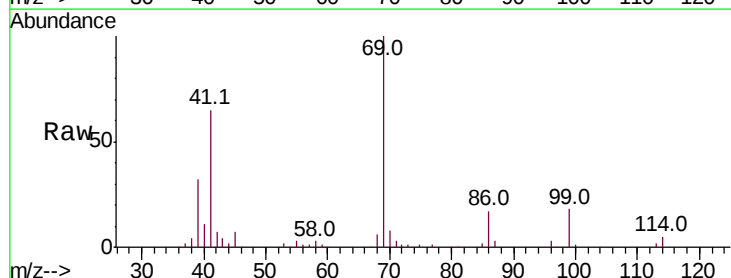
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

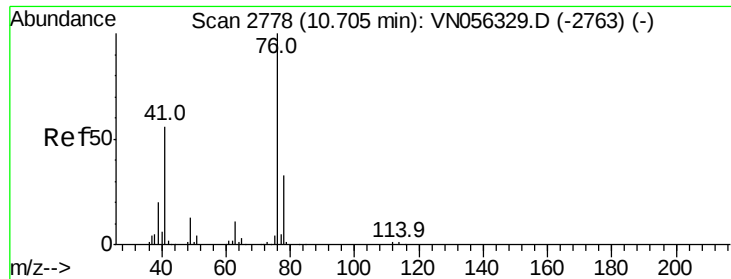
Tot Ion: 97 Resp: 74560
 Ion Ratio Lower Upper
 97 100
 83 86.4 69.0 103.4
 85 54.7 44.6 67.0
 99 63.3 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 16.070 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion: 69 Resp: 106735
 Ion Ratio Lower Upper
 69 100
 41 65.2 52.0 78.0
 39 31.0 24.4 36.6





#57

1,3-Dichloropropane

Concen: 17.030 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

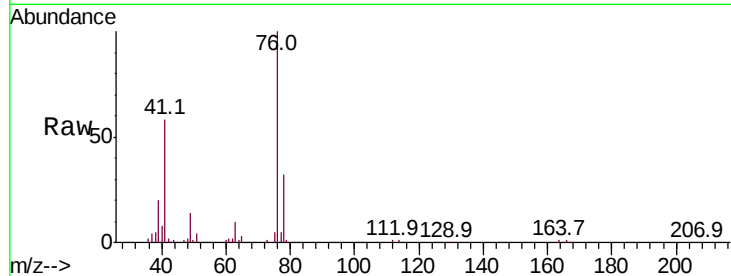
VSTDIC020

Tot Ion: 76 Resp: 125439

Ion Ratio Lower Upper

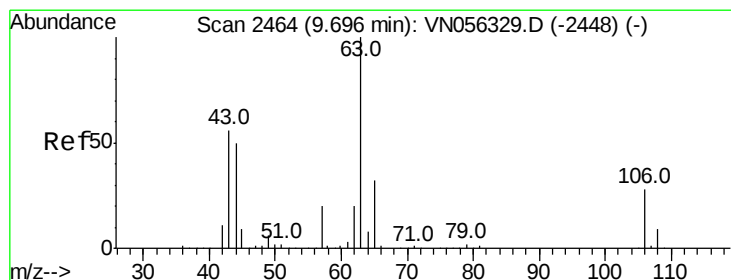
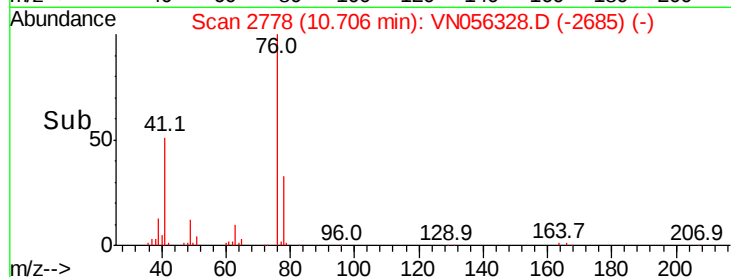
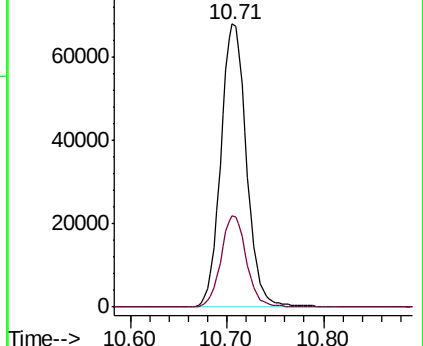
76 100

78 32.0 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: 75.760 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056328.D

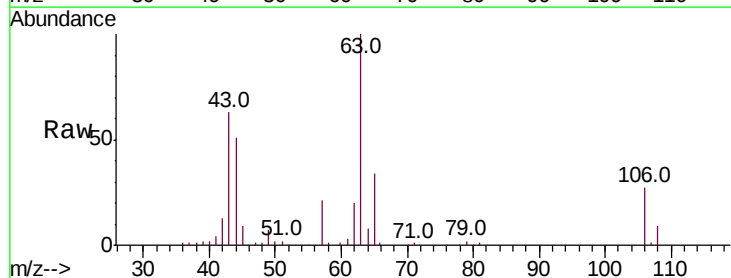
Acq: 17 Jun 2019 9:37

Tgt Ion: 63 Resp: 169714

Ion Ratio Lower Upper

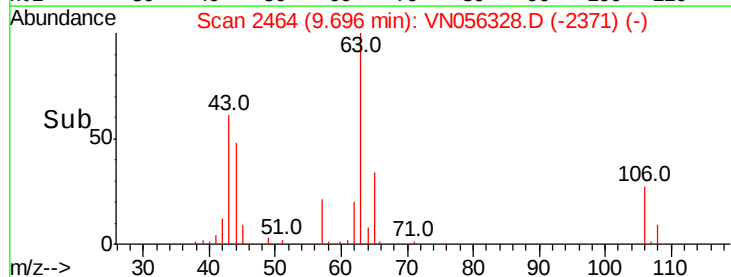
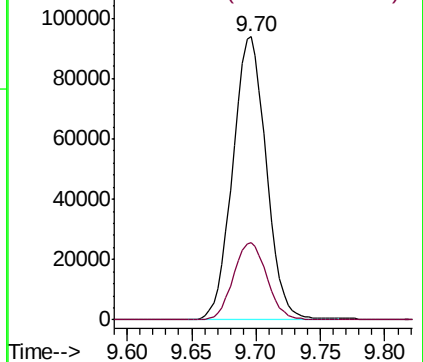
63 100

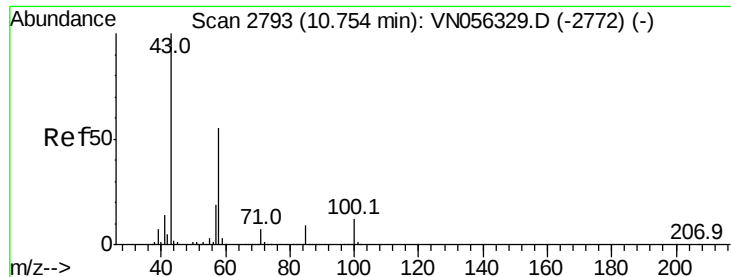
106 27.3 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 90.070 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

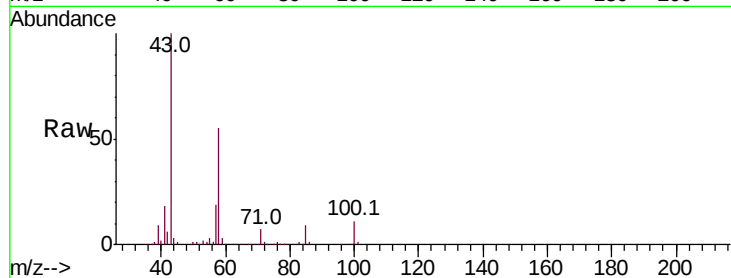
VSTDIC020

Tot Ion: 43 Resp: 369356

Ion Ratio Lower Upper

43 100

58 55.0 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN056329.D (-2772) (-)

10.75

200000

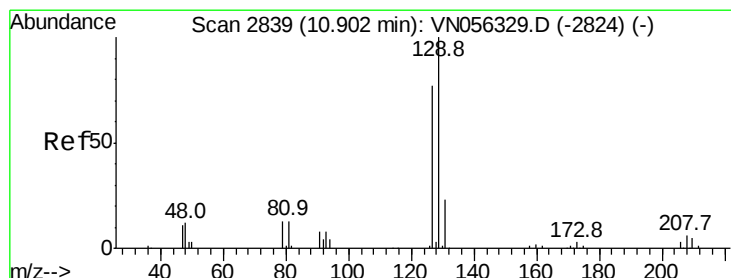
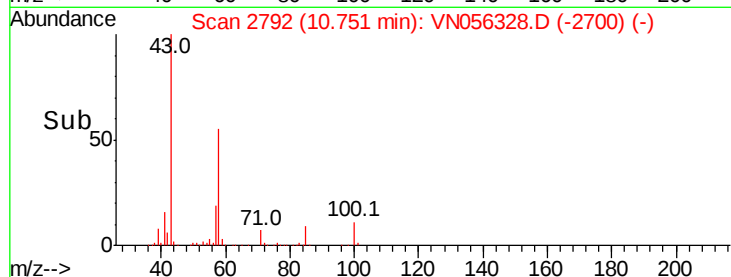
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 17.333 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056328.D

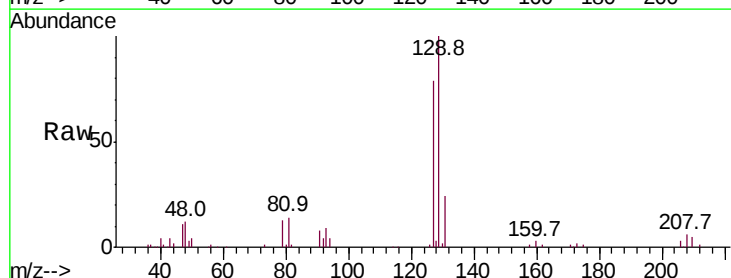
Acq: 17 Jun 2019 9:37

Tgt Ion: 129 Resp: 78463

Ion Ratio Lower Upper

129 100

127 76.7 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VN056329.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN056329.D (-2824) (-)

10.90

50000

40000

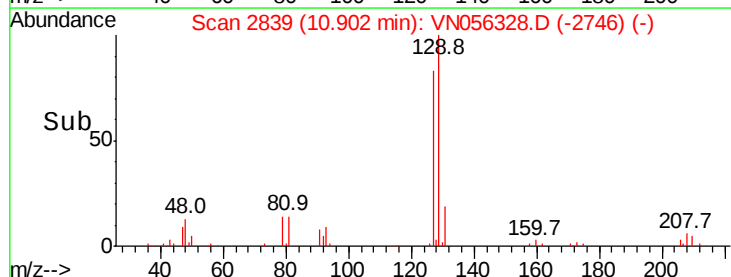
30000

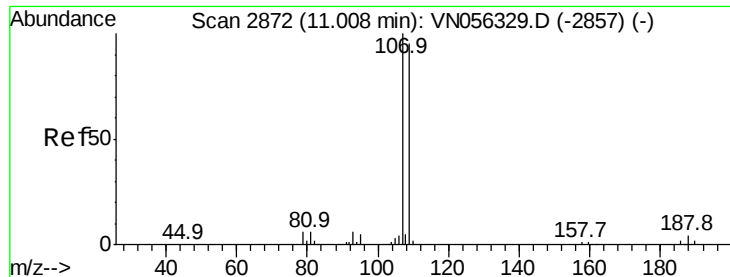
20000

10000

0

Time-->

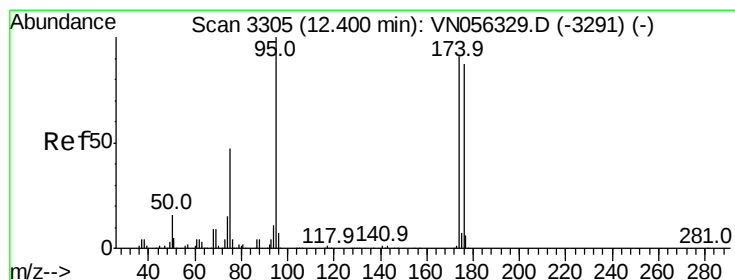
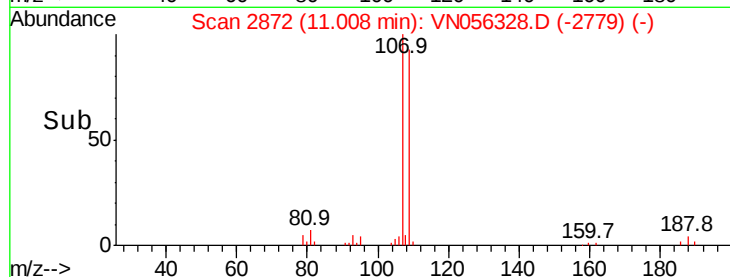
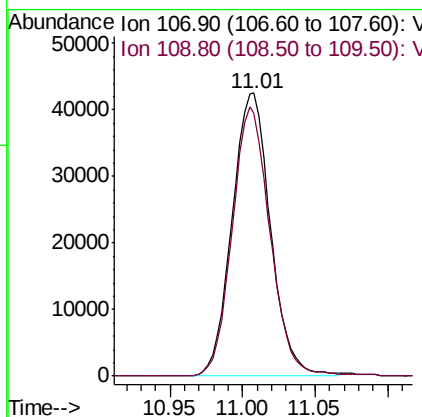
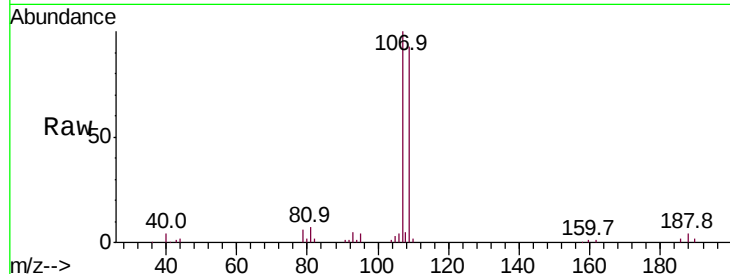




#61
 1,2-Dibromoethane
 Concen: 16.947 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

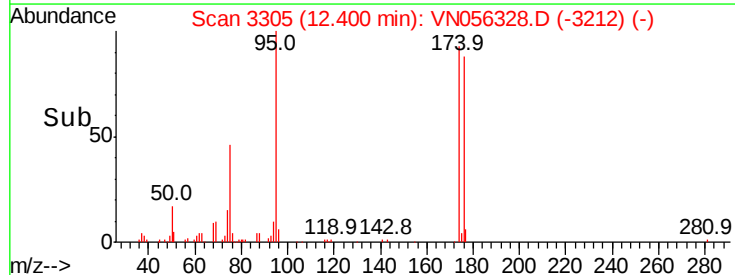
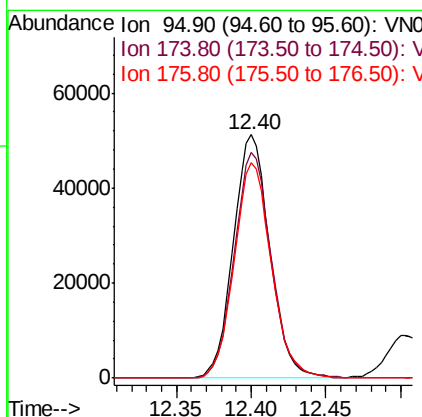
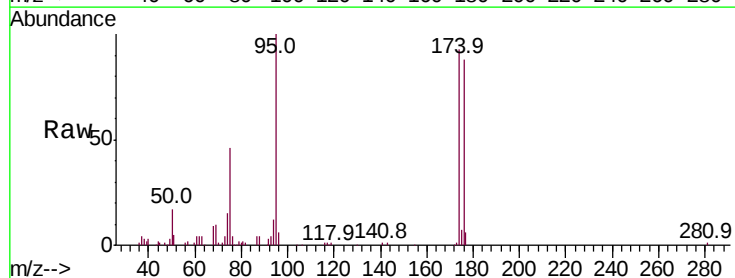
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

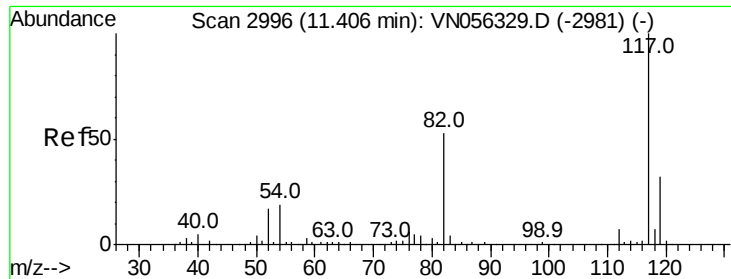
Tot Ion:107 Resp: 78251
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 15.081 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion: 95 Resp: 86947
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 182.6
 176 89.7 0.0 176.8

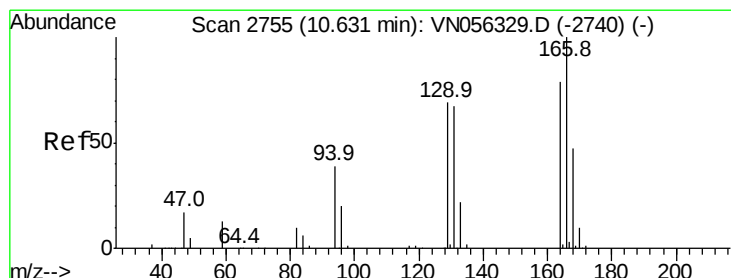
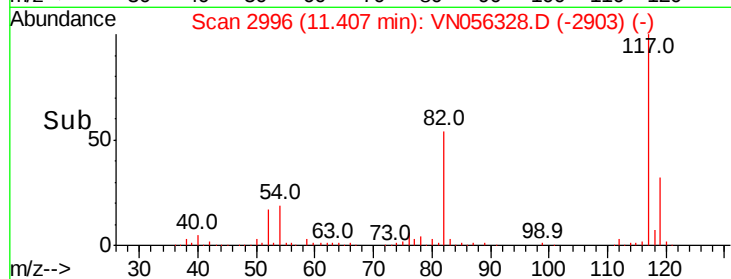
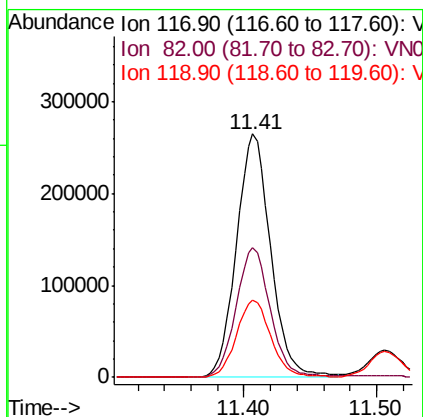
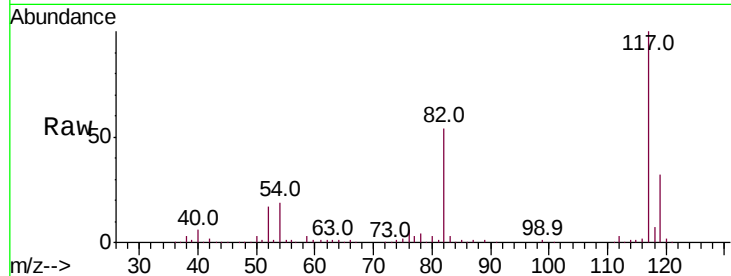




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

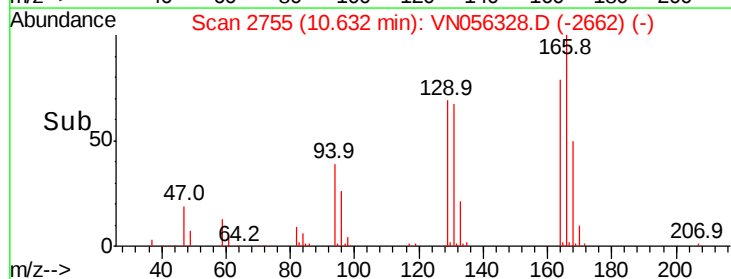
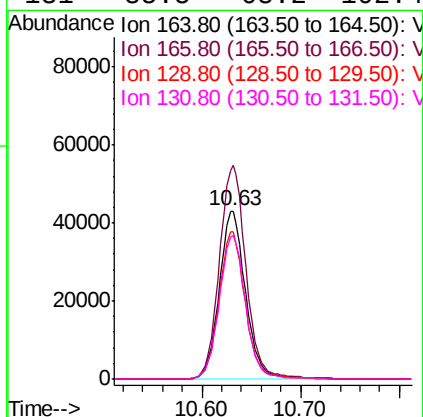
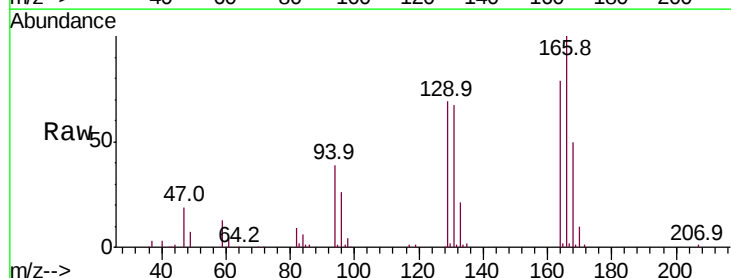
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

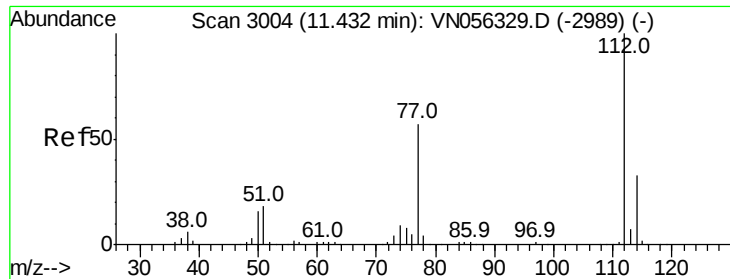
Tot Ion:117 Resp: 474442
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 16.190 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion:164 Resp: 80827
Ion Ratio Lower Upper
164 100
166 126.9 101.8 152.6
129 87.4 70.3 105.5
131 85.5 68.2 102.4

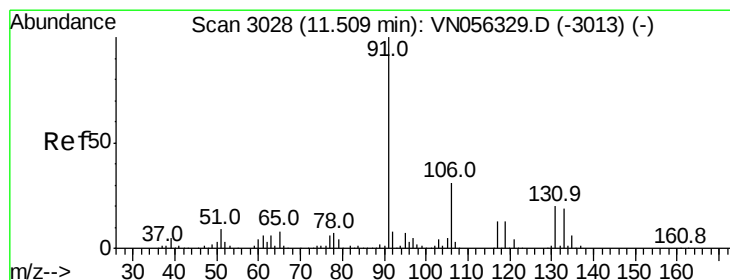
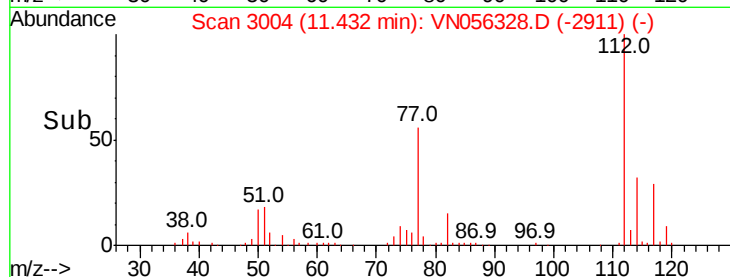
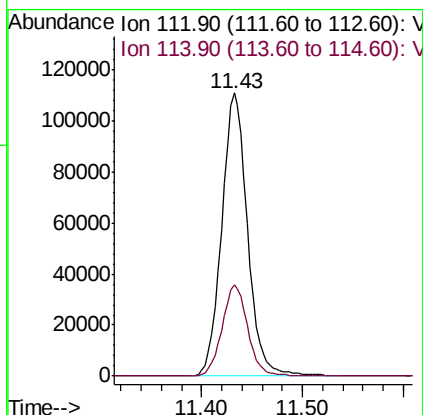
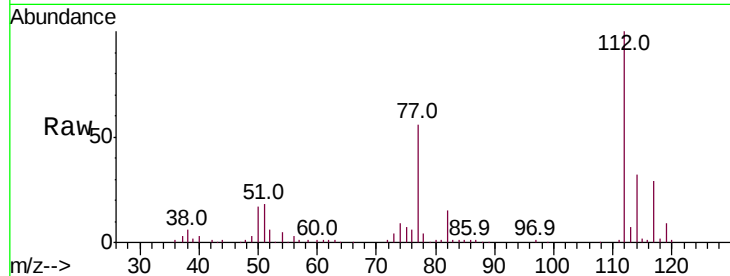




#65
Chlorobenzene
Concen: 16.603 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

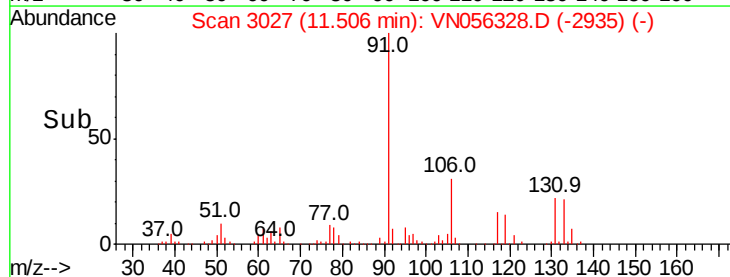
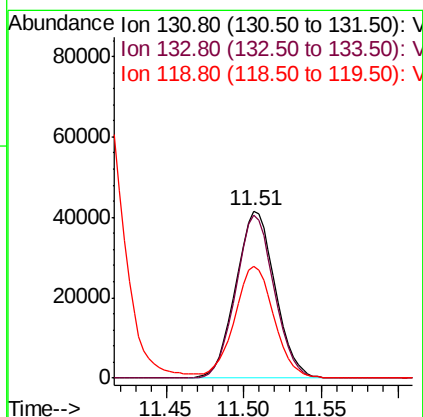
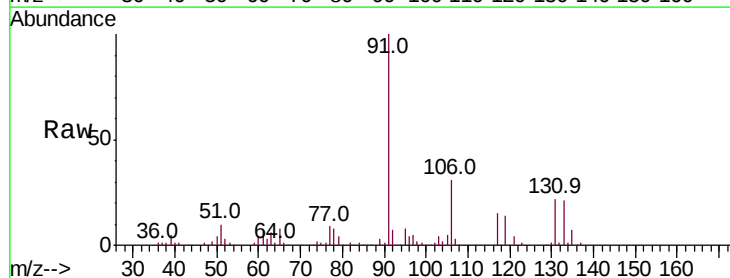
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

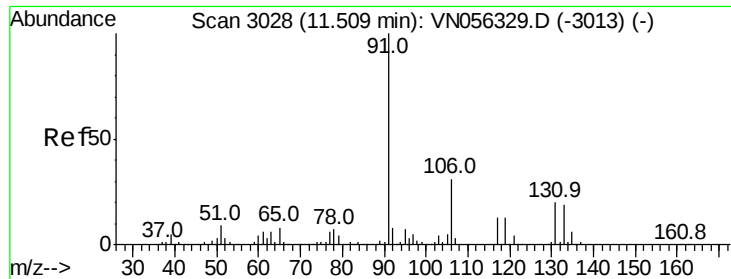
Tot Ion:112 Resp: 198233
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 17.449 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion:131 Resp: 73415
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 67.4 33.5 100.5

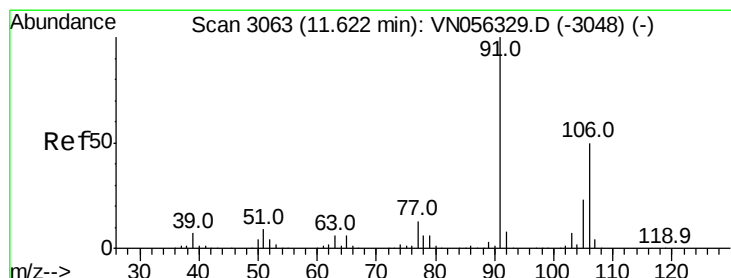
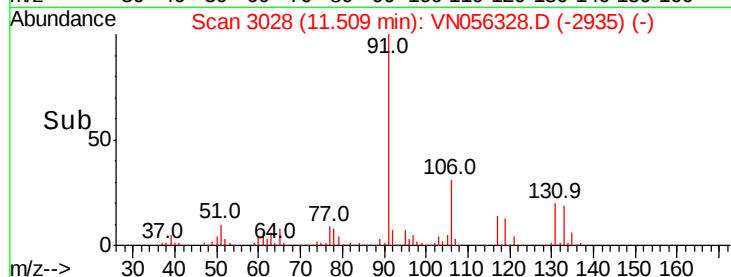
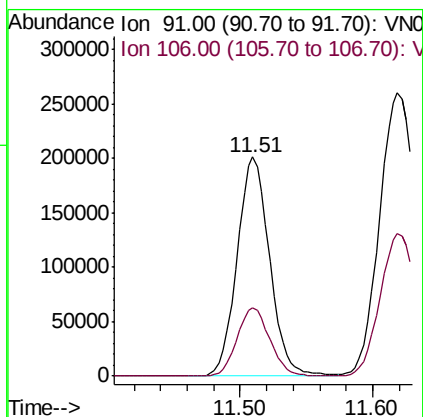
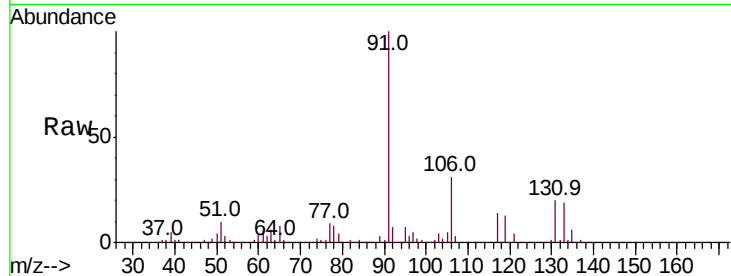




#67
Ethyl Benzene
Concen: 16.470 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

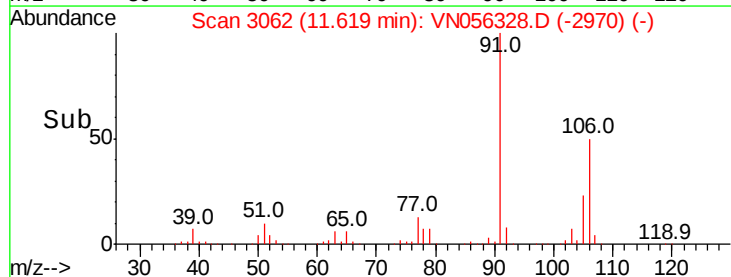
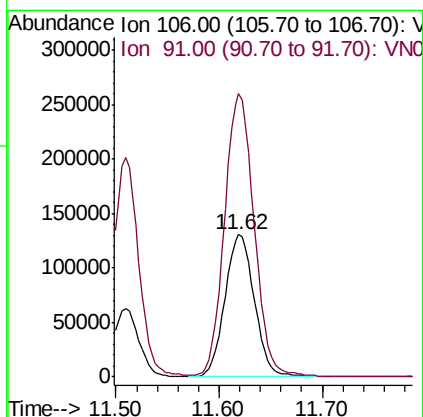
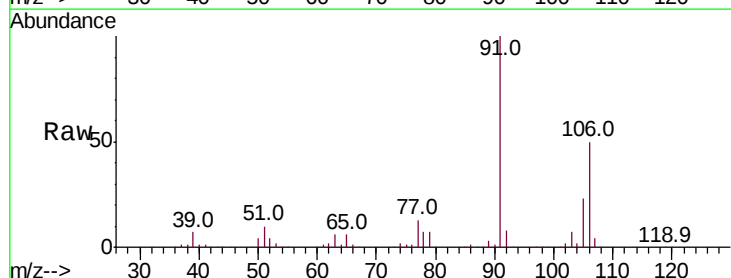
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

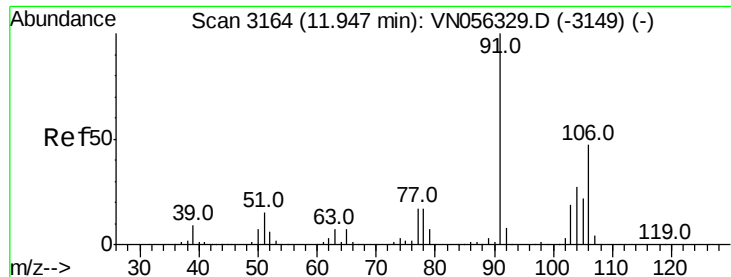
Tot Ion: 91 Resp: 343323
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 32.815 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 106 Resp: 260583
Ion Ratio Lower Upper
106 100
91 200.0 160.7 241.1

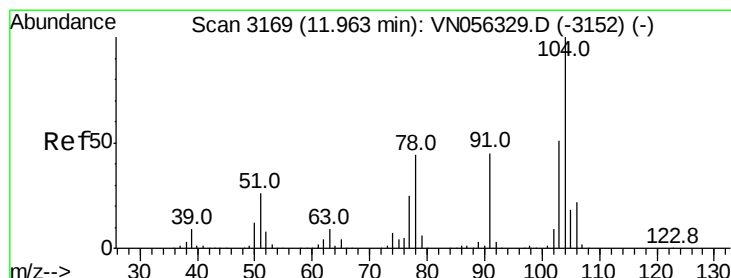
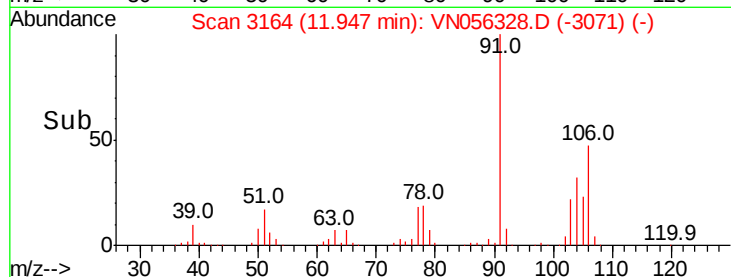
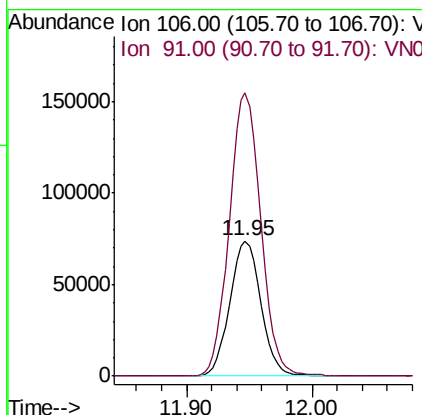
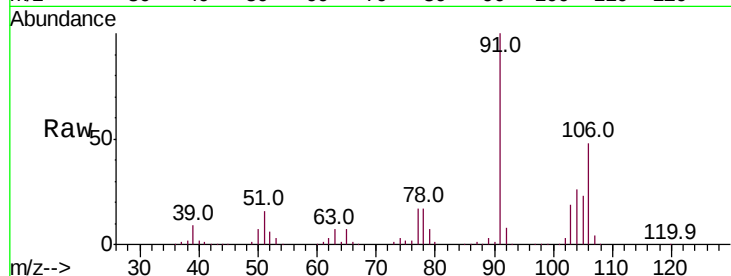




#69
o-Xylene
Concen: 16.373 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

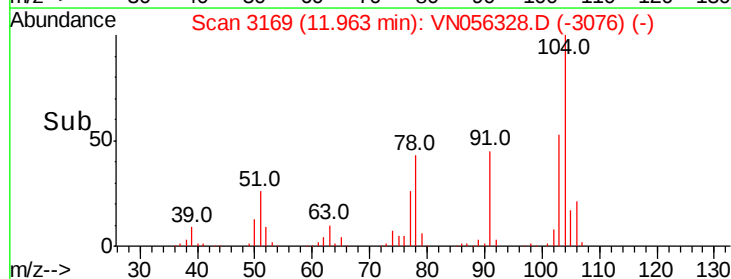
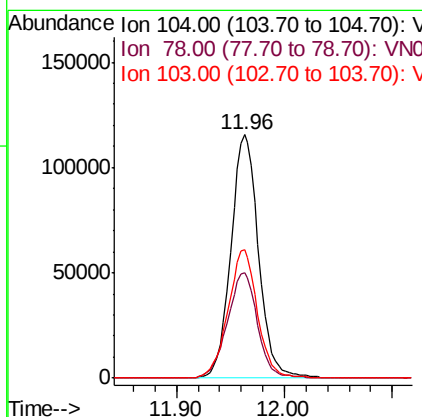
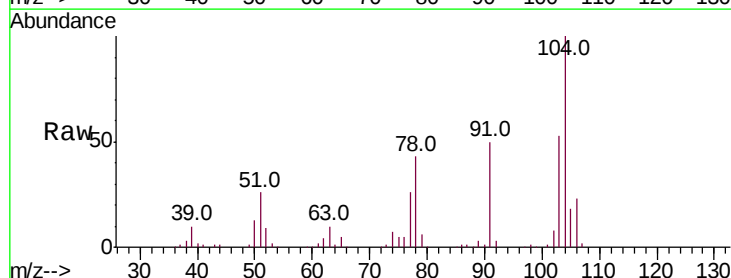
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

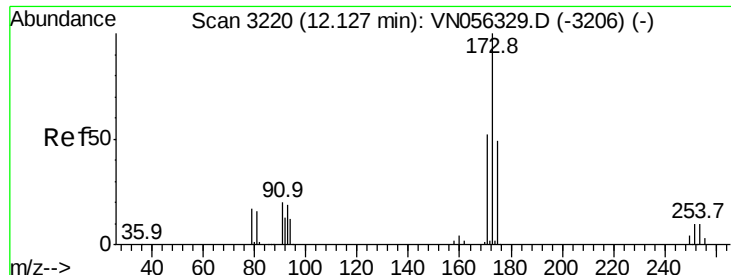
Tot Ion:106 Resp: 127473
Ion Ratio Lower Upper
106 100
91 211.9 105.6 316.7



#70
Styrene
Concen: 16.328 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion:104 Resp: 206626
Ion Ratio Lower Upper
104 100
78 47.0 38.4 57.6
103 56.1 44.0 66.0

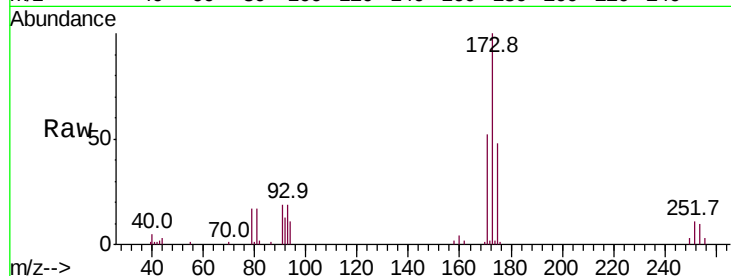




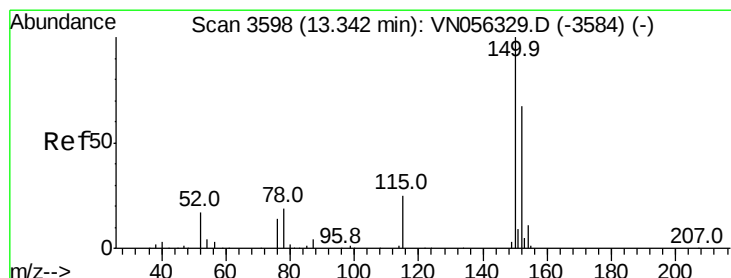
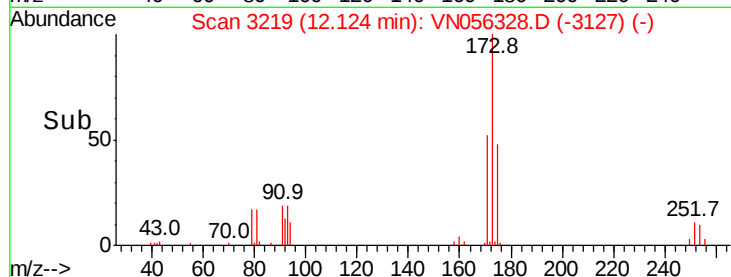
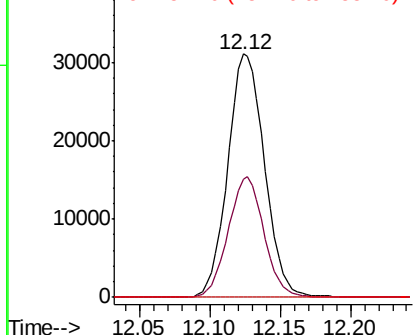
#71
Bromoform
Concen: 17.385 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 56610
Ion Ratio Lower Upper
173 100
175 47.8 24.3 73.0
254 0.0 0.0 0.0

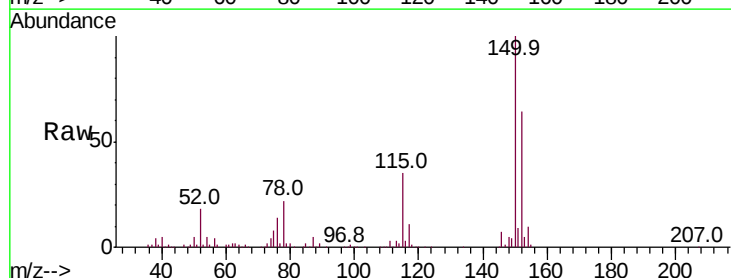


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

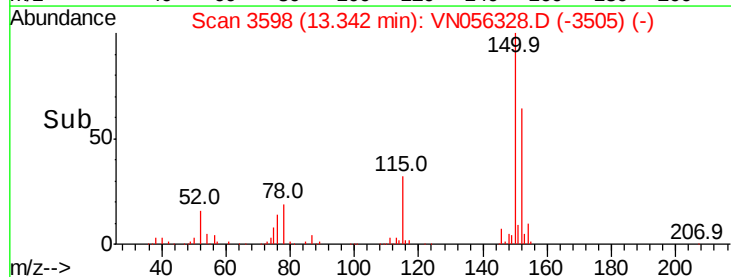
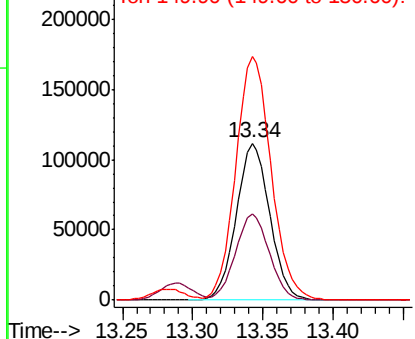


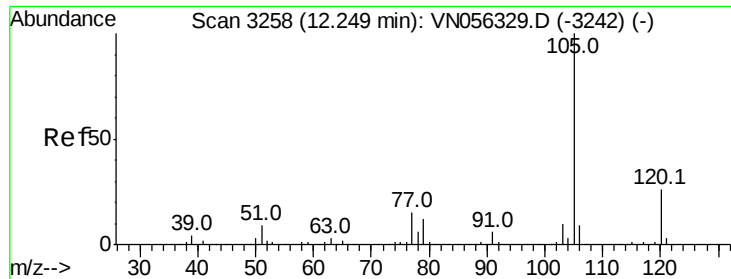
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion:152 Resp: 185370
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.3
150 164.2 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: 17.876 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

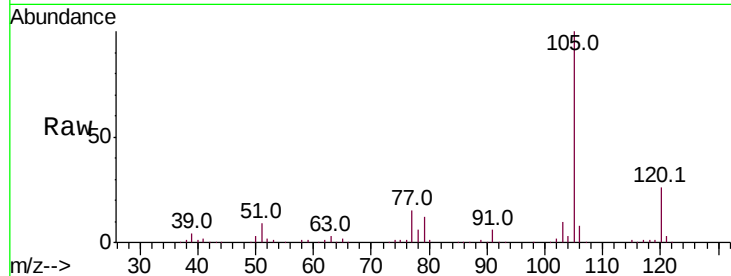
VSTDIC020

Tot Ion:105 Resp: 336340

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

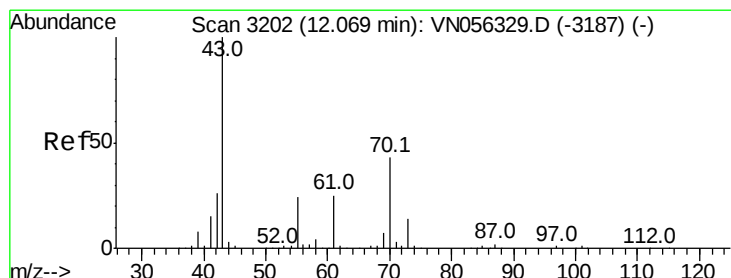
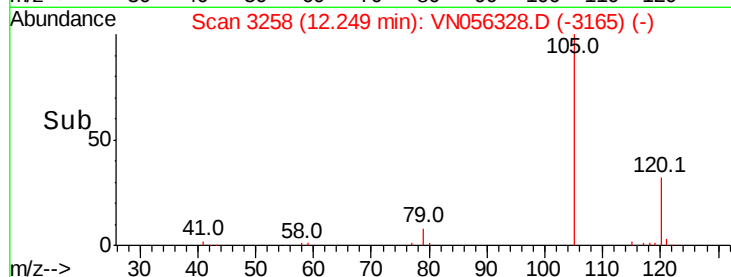
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 18.361 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Tgt Ion: 43 Resp: 119502

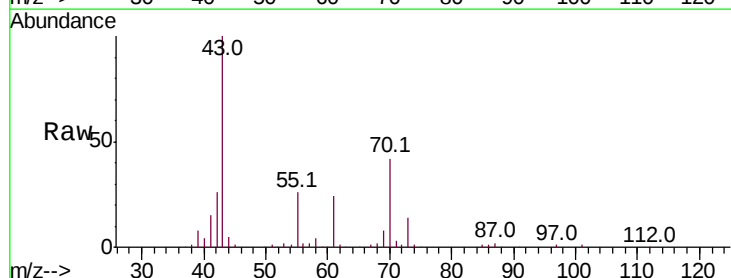
Ion Ratio Lower Upper

43 100

70 42.5 34.2 51.2

55 26.1 19.9 29.9

61 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

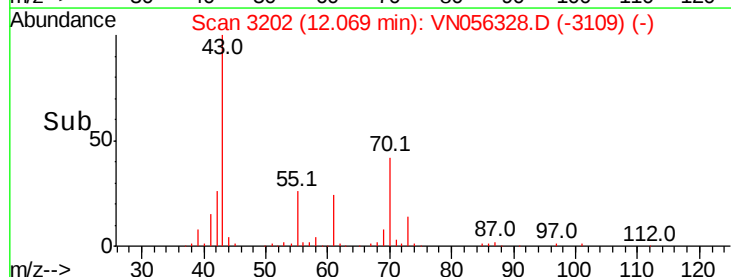
40000

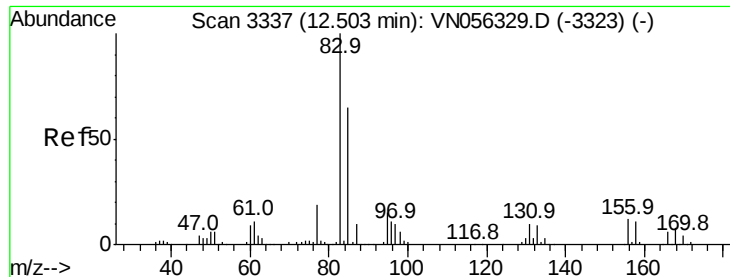
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 18.915 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

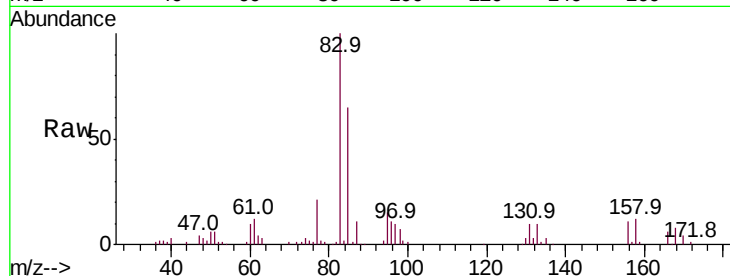
Tot Ion: 83 Resp: 105529

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	64.1	32.2	96.6

83 100

131 10.4 5.3 15.8

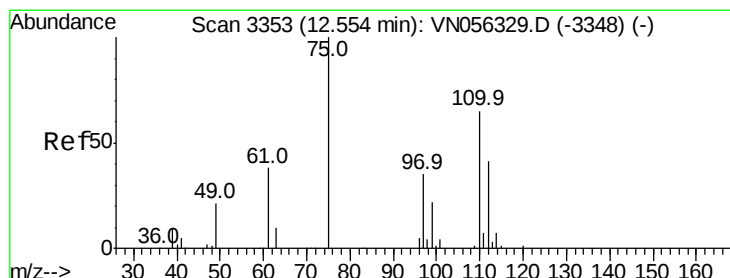
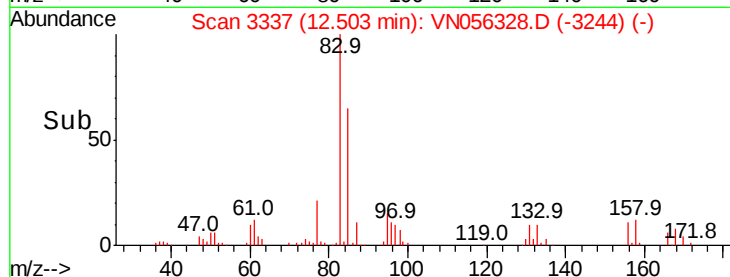
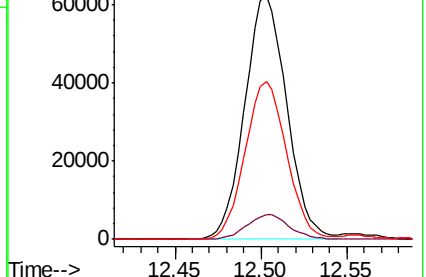
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 19.088 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056328.D

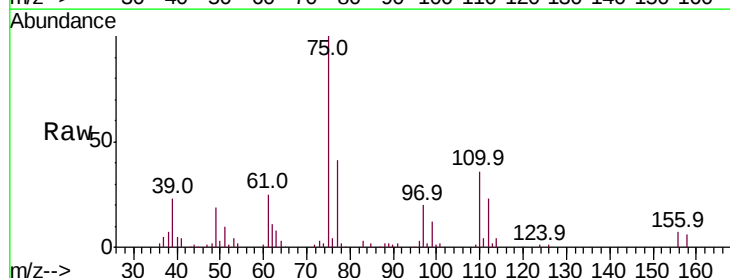
Acq: 17 Jun 2019 9:37

Tgt Ion: 75 Resp: 85372

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

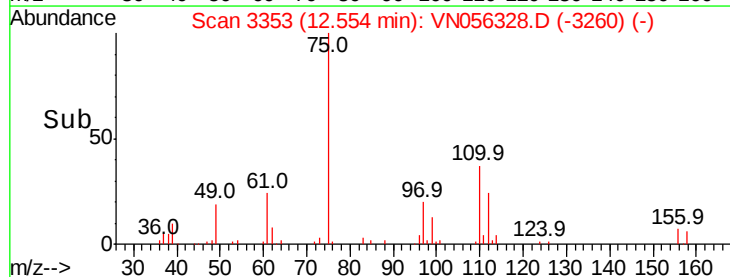
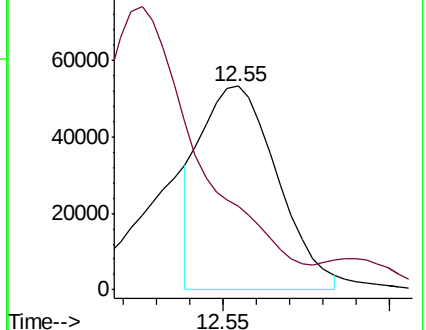
75 100

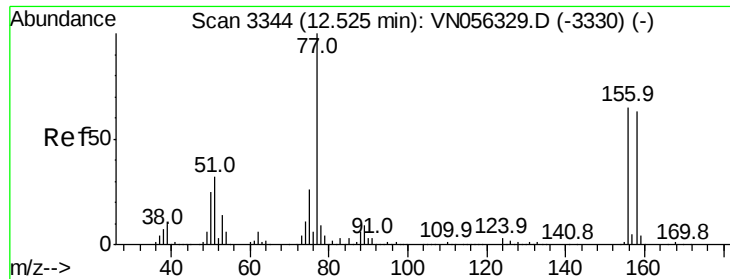
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 17.164 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

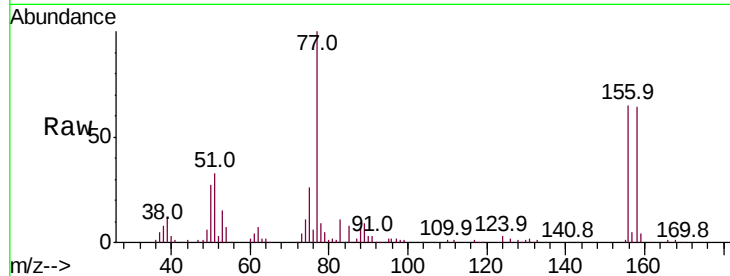
Tot Ion:156 Resp: 85218

Ion Ratio Lower Upper

156 100

77 190.5 92.9 278.7

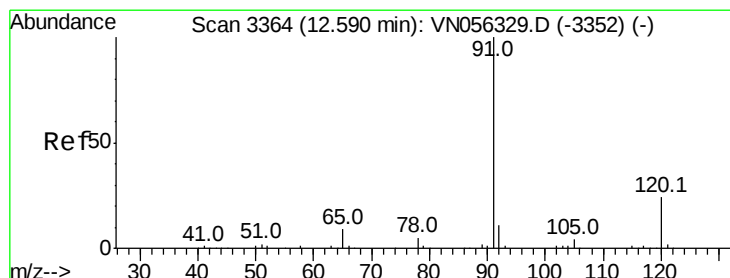
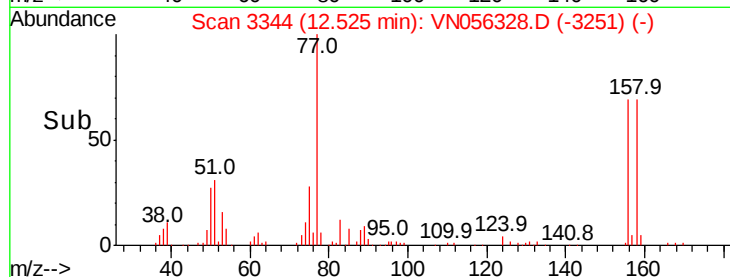
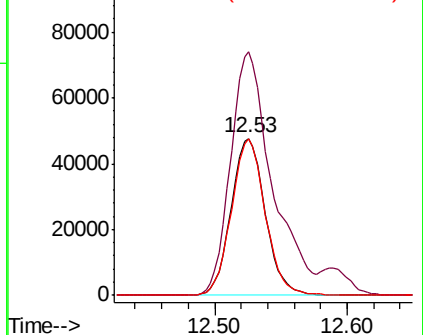
158 98.6 49.0 147.2



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: 17.086 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056328.D

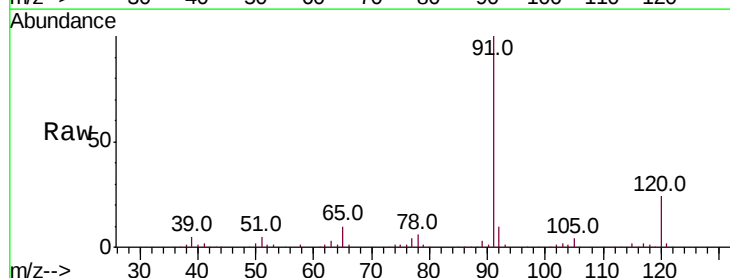
Acq: 17 Jun 2019 9:37

Tgt Ion: 91 Resp: 343420

Ion Ratio Lower Upper

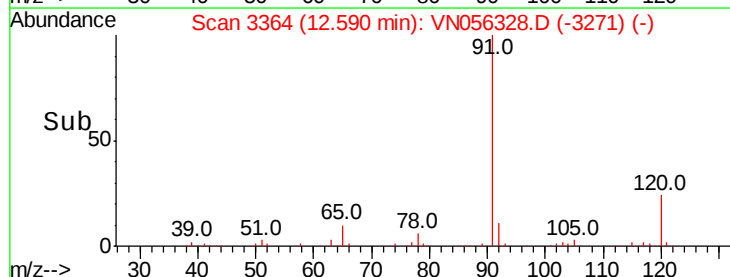
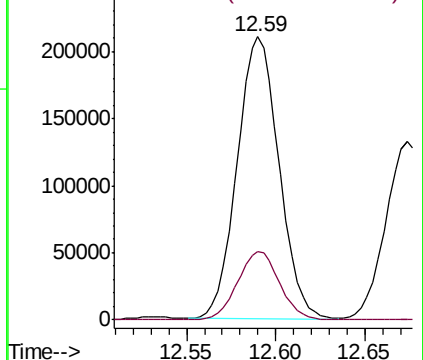
91 100

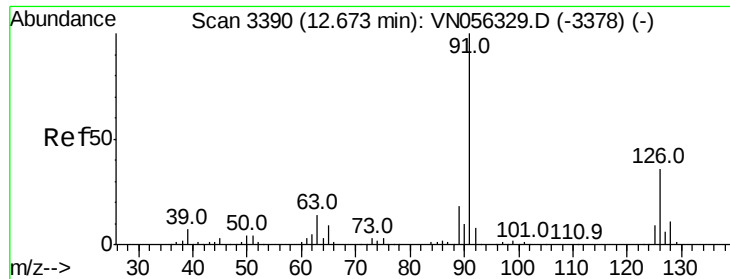
120 24.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.849 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

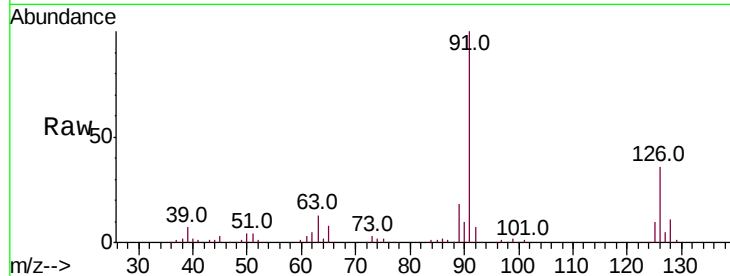
VSTDIC020

Tot Ion: 91 Resp: 221960

Ion Ratio Lower Upper

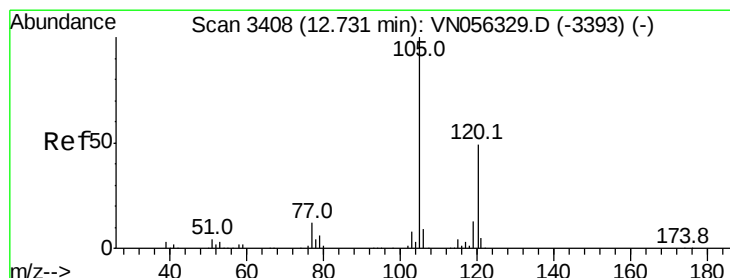
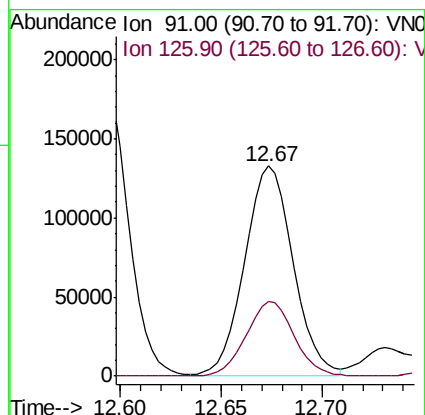
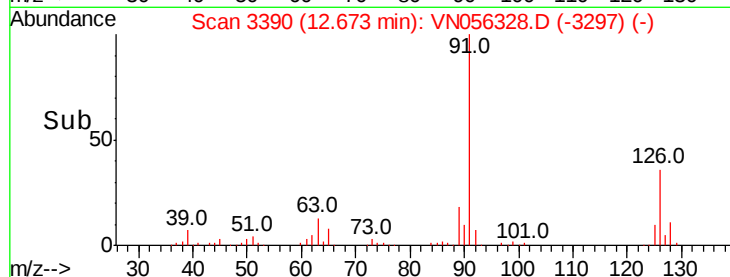
91 100

126 35.5 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: 17.555 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056328.D

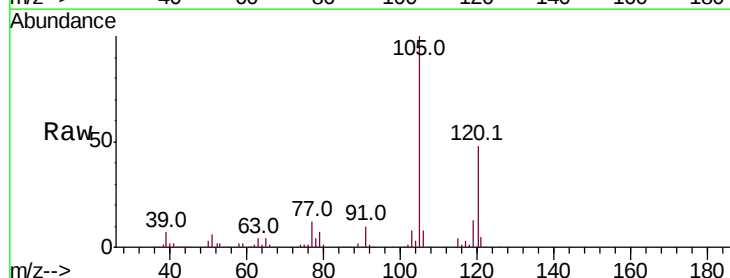
Acq: 17 Jun 2019 9:37

Tgt Ion:105 Resp: 274973

Ion Ratio Lower Upper

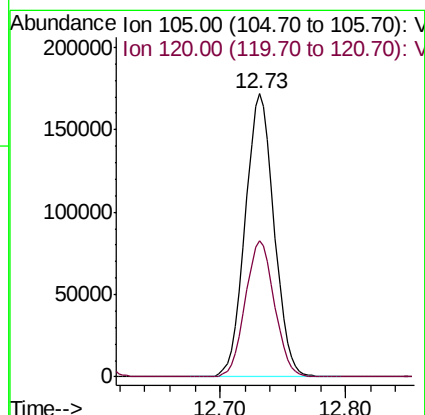
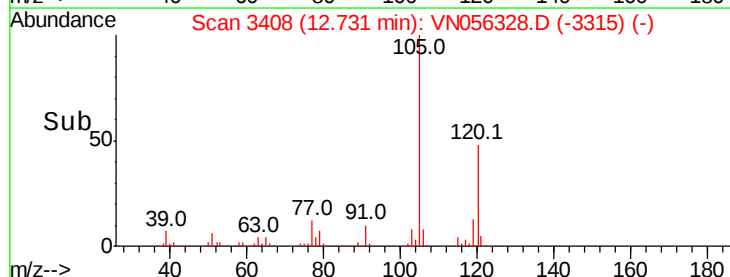
105 100

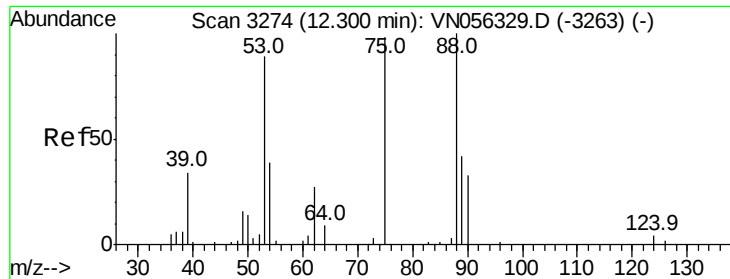
120 48.5 24.4 73.4



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: 17.384 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

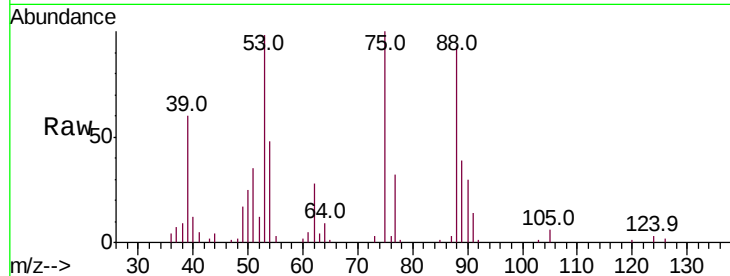
Tot Ion: 75 Resp: 26185

Ion Ratio Lower Upper

75 100

53 101.3 73.5 110.3

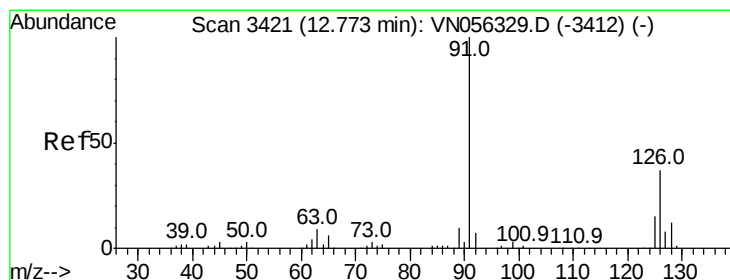
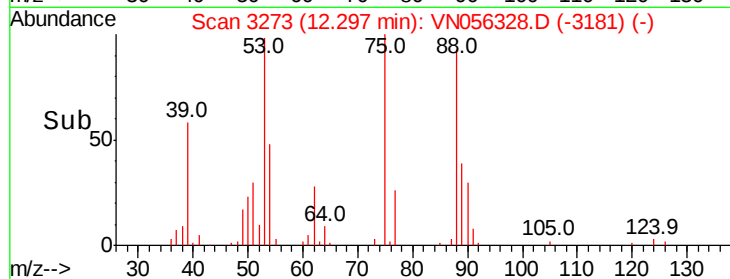
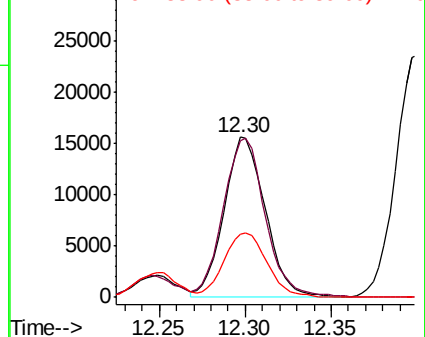
89 41.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.334 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056328.D

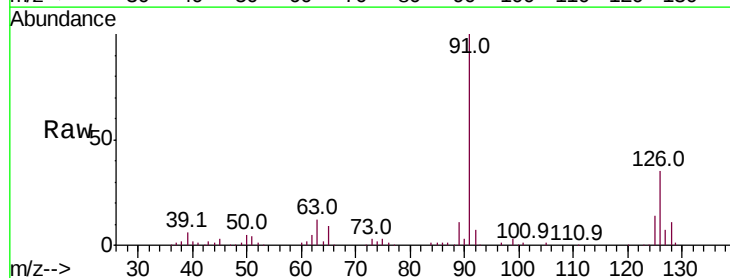
Acq: 17 Jun 2019 9:37

Tgt Ion: 91 Resp: 204315

Ion Ratio Lower Upper

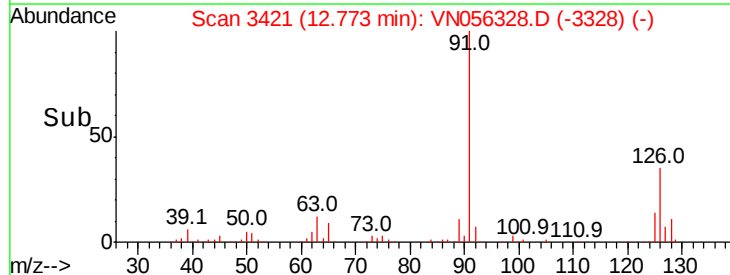
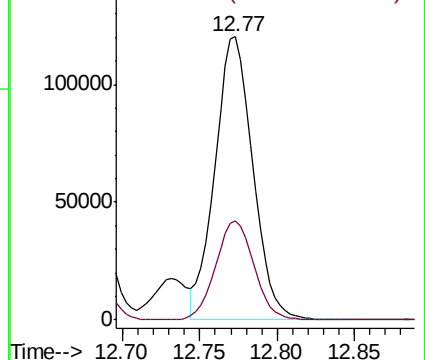
91 100

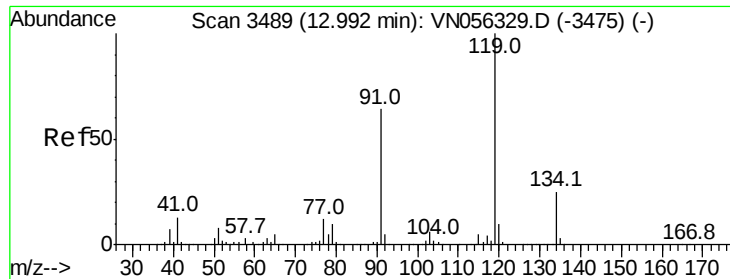
126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.395 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

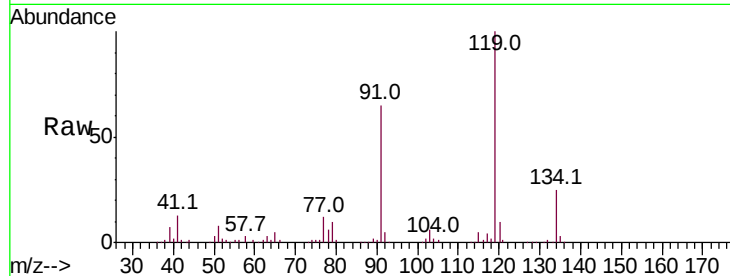
Tot Ion:119 Resp: 238711

Ion Ratio Lower Upper

119 100

91 63.4 31.5 94.5

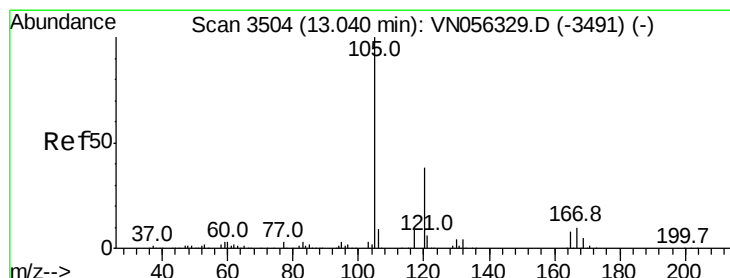
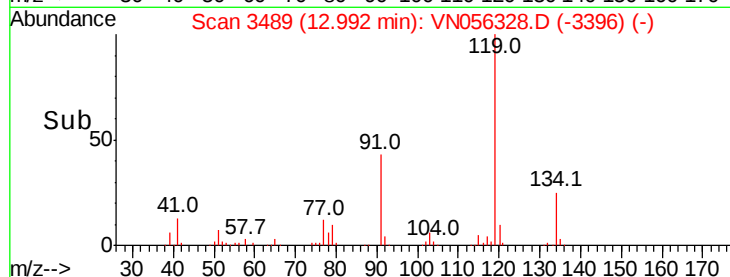
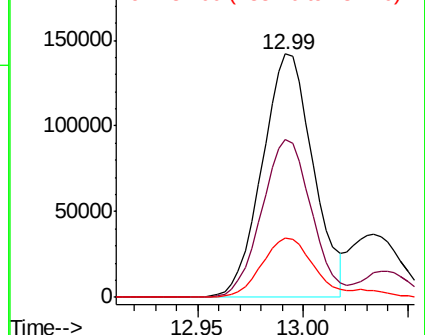
134 26.9 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.508 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056328.D

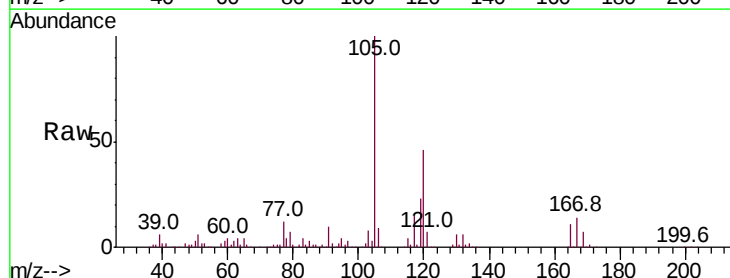
Acq: 17 Jun 2019 9:37

Tgt Ion:105 Resp: 260613

Ion Ratio Lower Upper

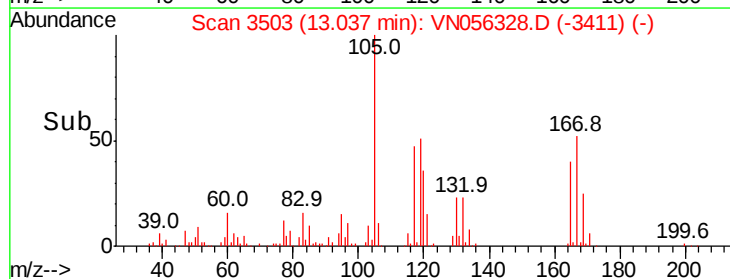
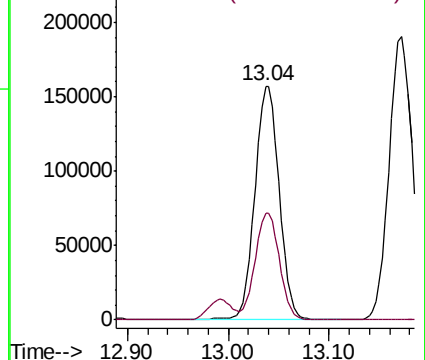
105 100

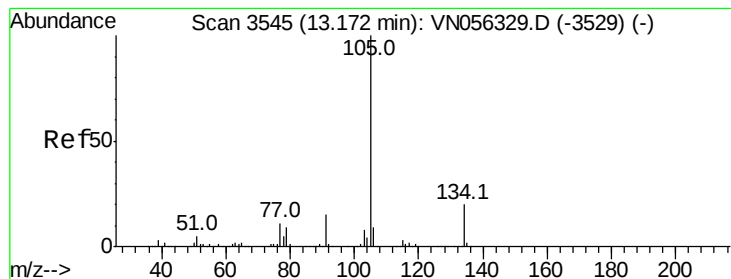
120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.507 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

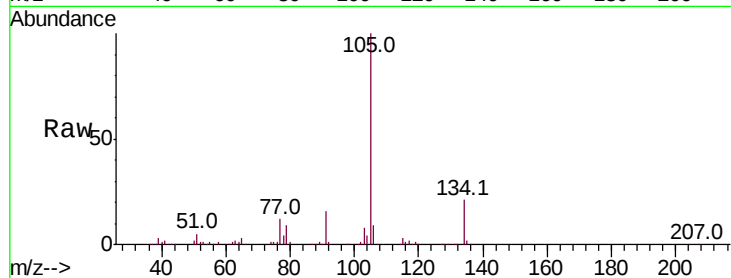
VSTDIC020

Tot Ion:105 Resp: 307097

Ion Ratio Lower Upper

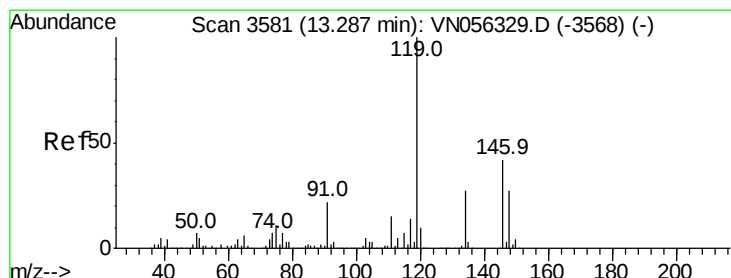
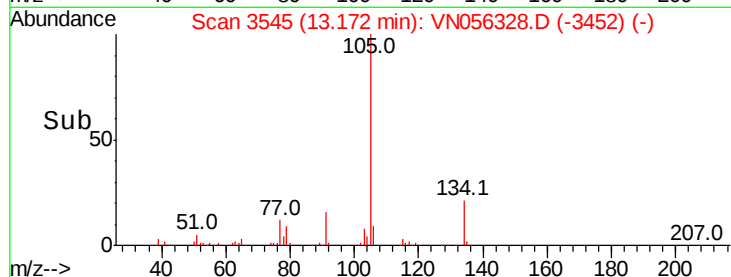
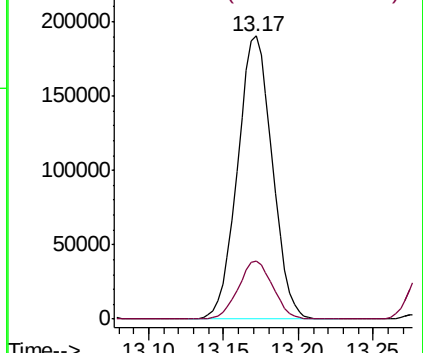
105 100

134 20.4 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: 17.049 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

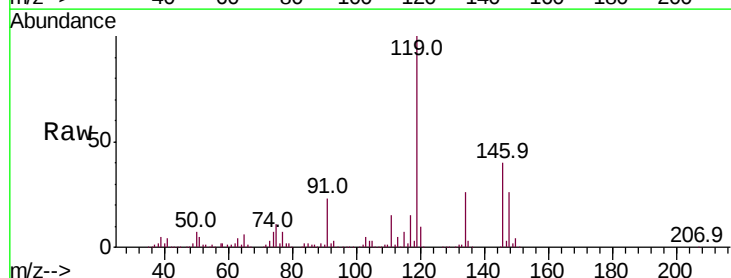
Tgt Ion:119 Resp: 265967

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

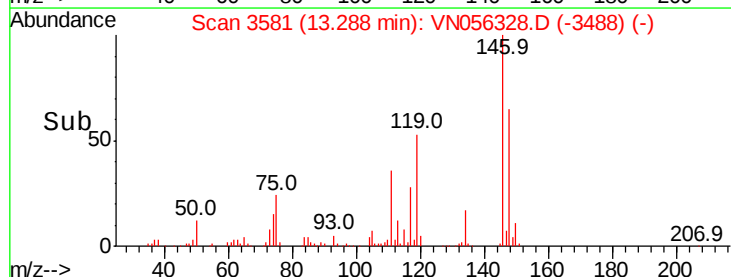
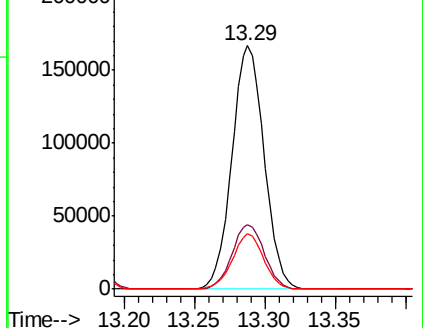
91 22.2 11.0 33.0

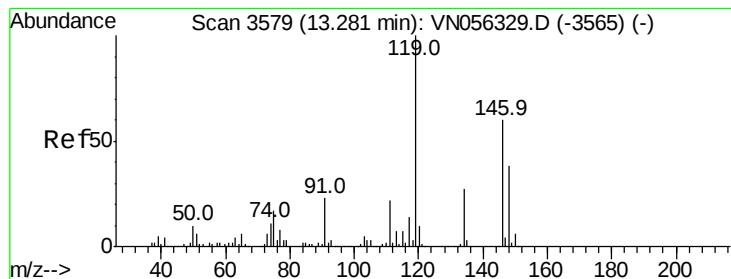


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.715 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

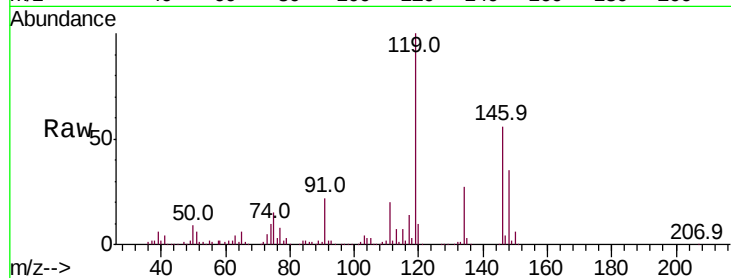
Tot Ion:146 Resp: 129585

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

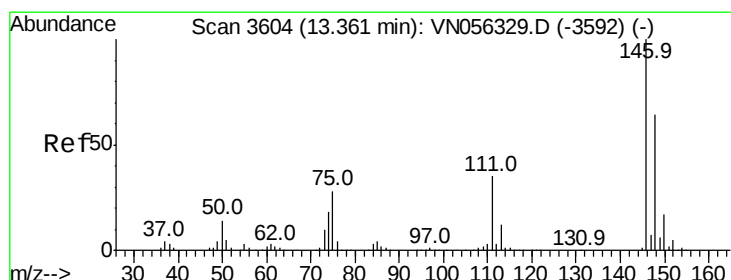
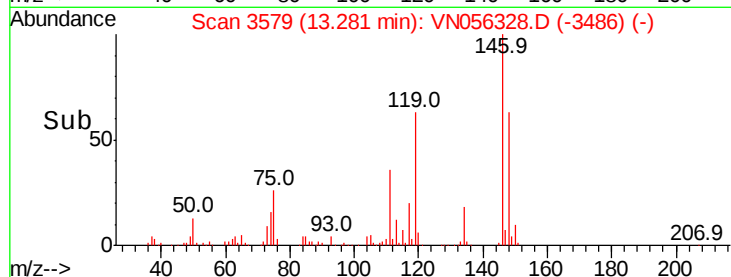
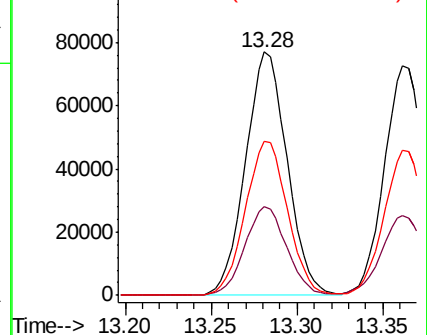
148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.332 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

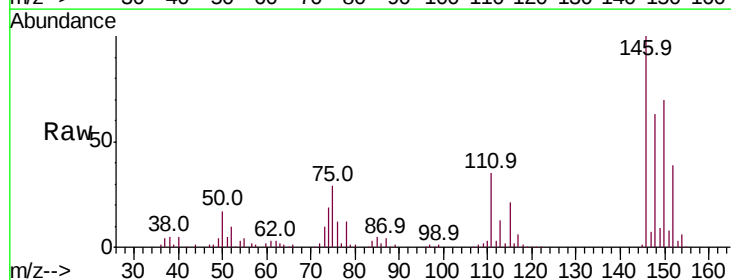
Tgt Ion:146 Resp: 122045

Ion Ratio Lower Upper

146 100

111 36.8 18.1 54.1

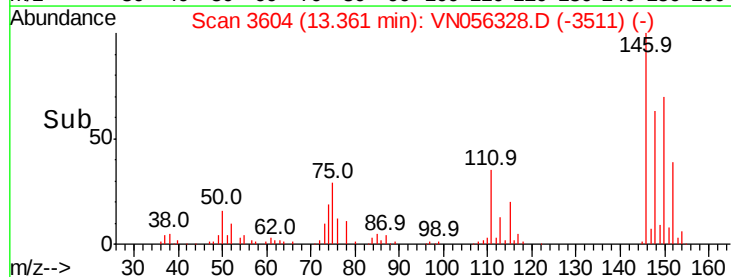
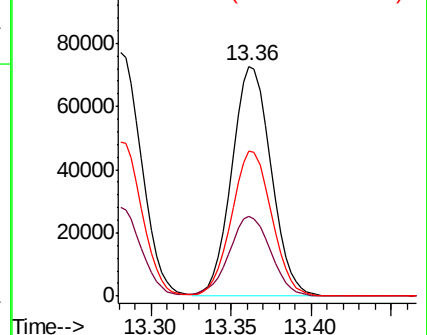
148 64.3 32.1 96.5

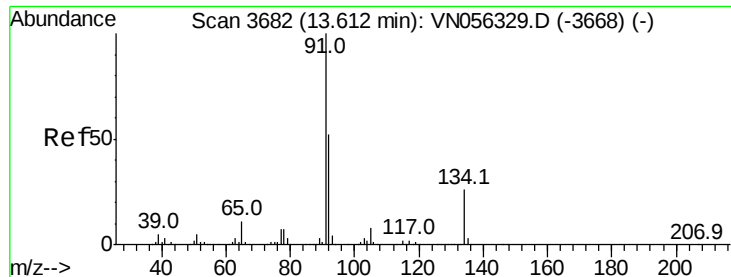


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

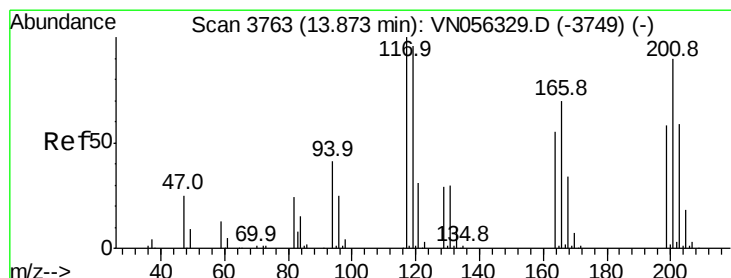
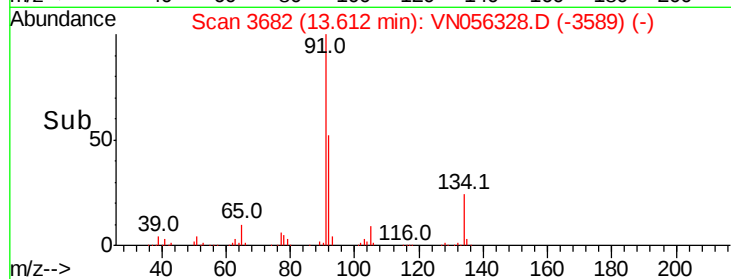
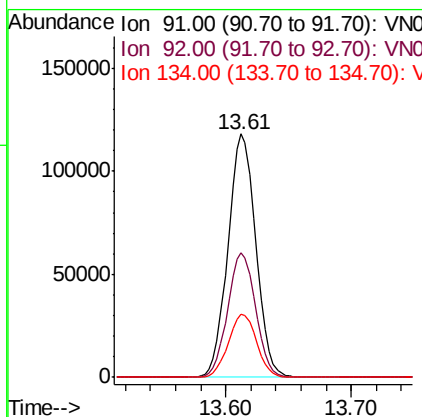
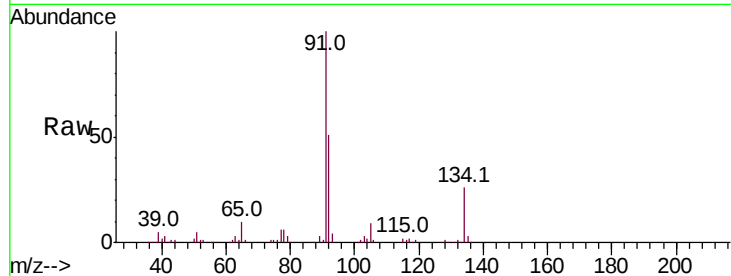




#89
n-Butylbenzene
Concen: 15.431 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

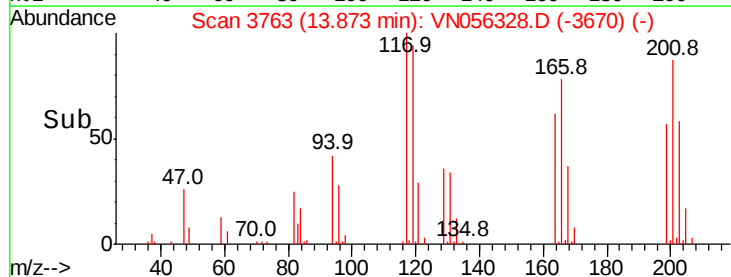
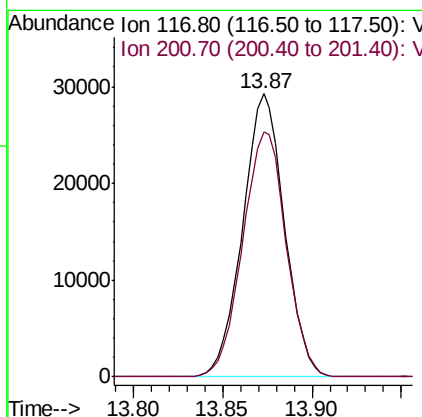
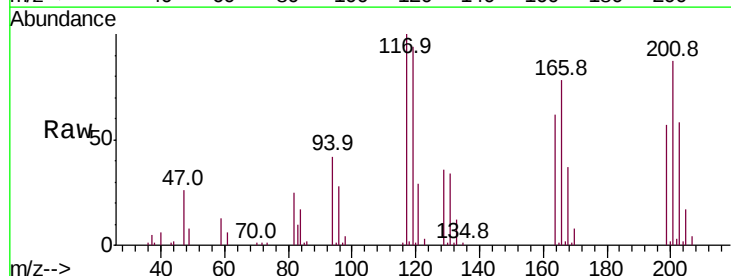
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

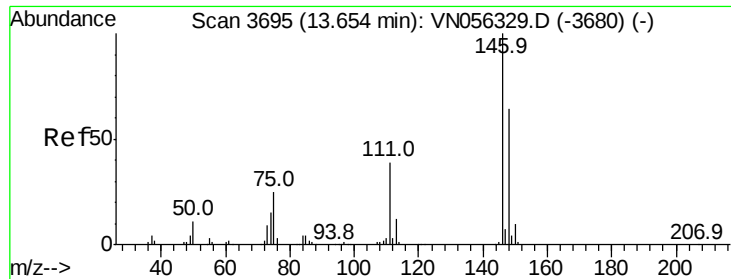
Tot Ion: 91 Resp: 181313
Ion Ratio Lower Upper
91 100
92 51.6 26.0 78.0
134 26.3 13.2 39.5



#90
Hexachloroethane
Concen: 18.726 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056328.D
Acq: 17 Jun 2019 9:37

Tgt Ion: 117 Resp: 47706
Ion Ratio Lower Upper
117 100
201 90.3 45.8 137.3





#91

1,2-Dichlorobenzene

Concen: 16.942 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

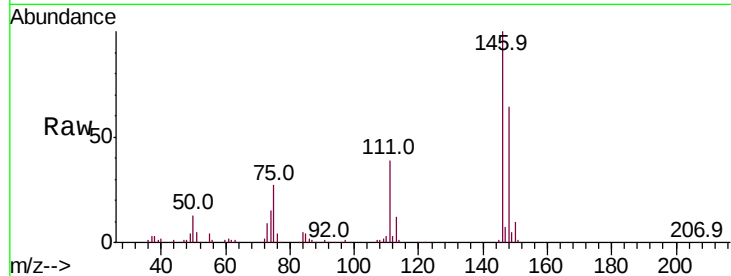
Tot Ion:146 Resp: 131228

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.2

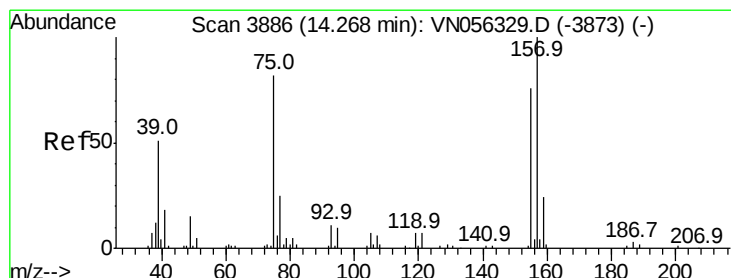
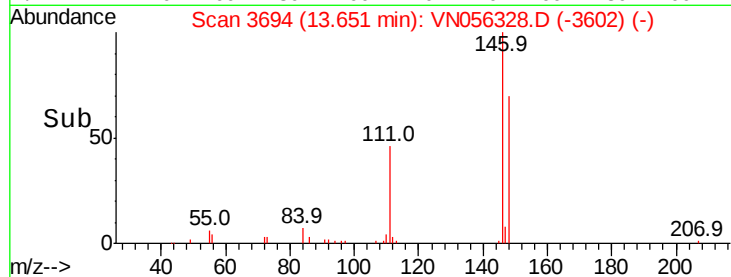
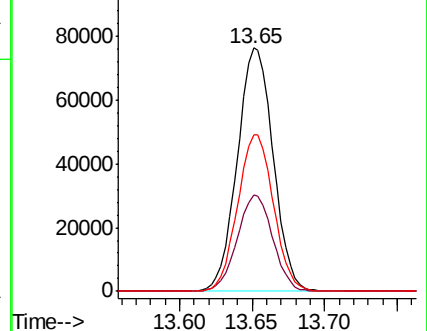
148 64.2 32.4 97.2



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: 19.363 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

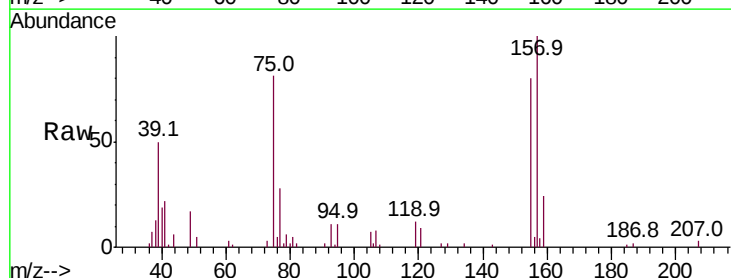
Tgt Ion: 75 Resp: 16364

Ion Ratio Lower Upper

75 100

155 99.8 47.8 143.4

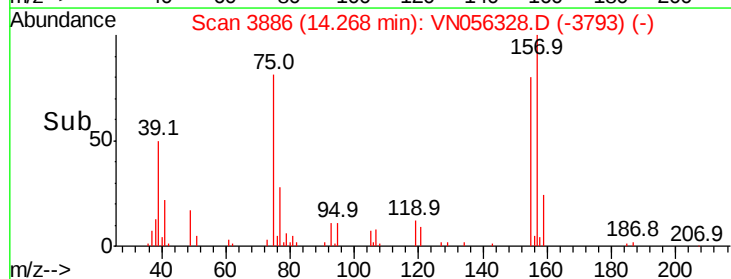
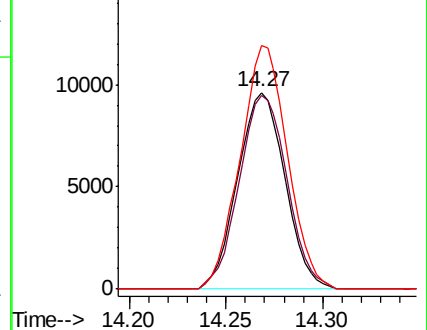
157 123.8 62.8 188.5

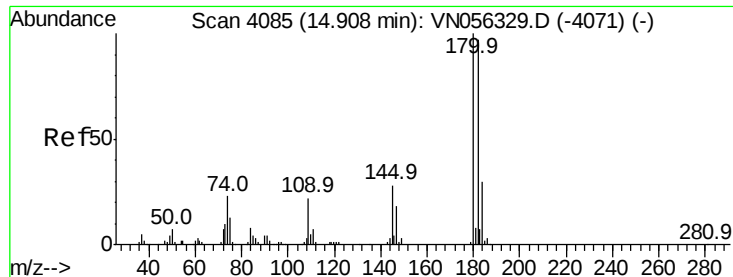


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

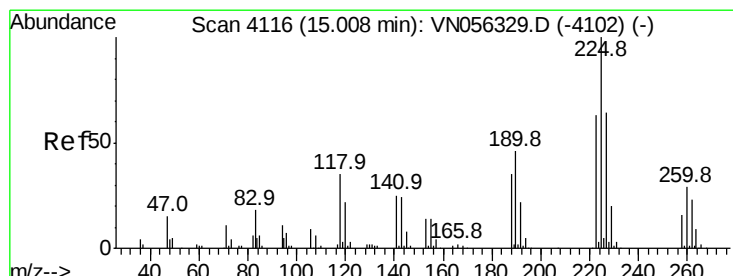
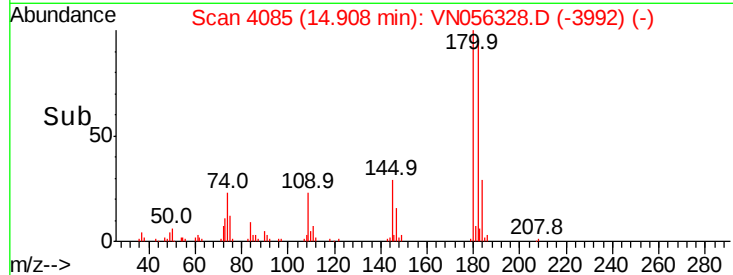
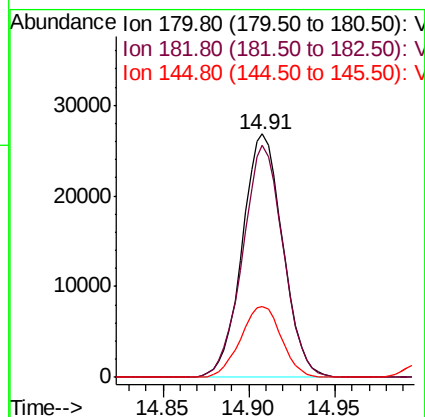
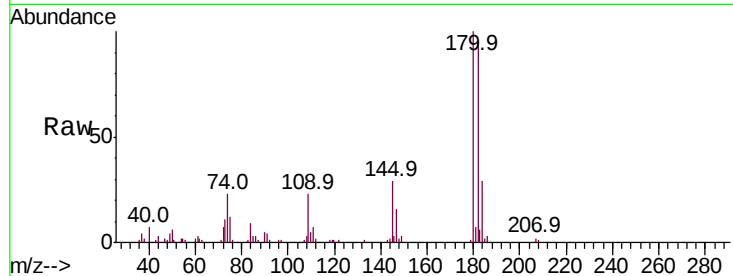




#93
 1,2,4-Trichlorobenzene
 Concen: 12.524 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

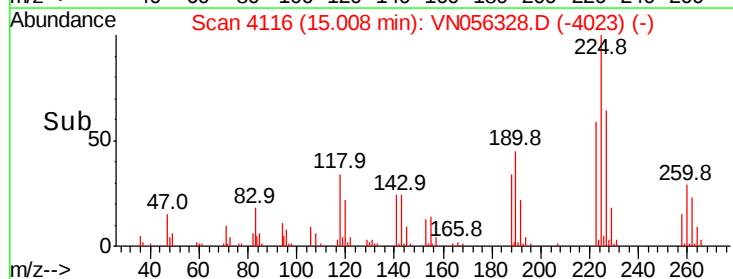
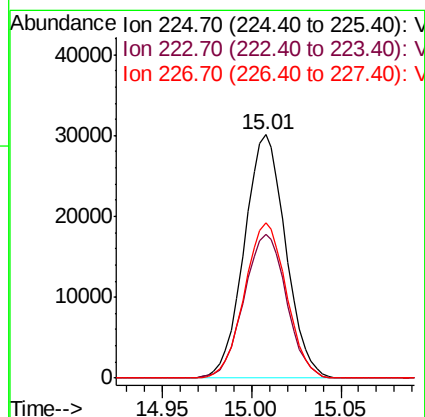
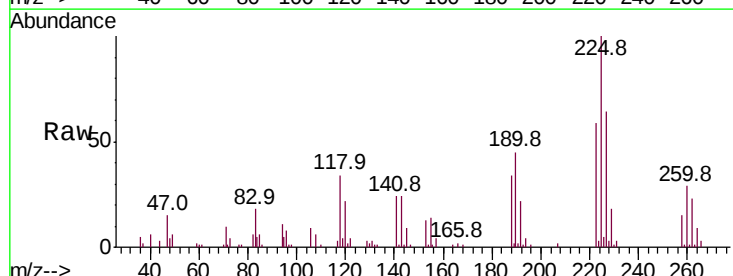
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

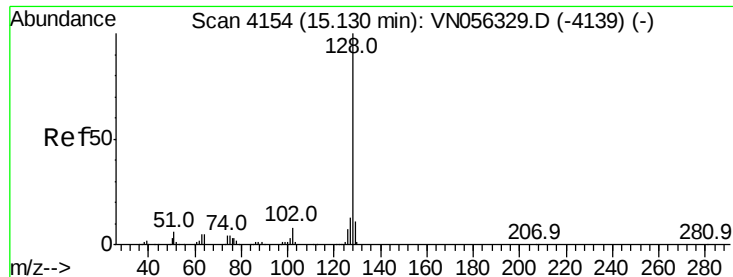
Tot Ion:180 Resp: 43933
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.3
 145 29.1 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 16.631 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056328.D
 Acq: 17 Jun 2019 9:37

Tgt Ion:225 Resp: 48812
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.2 93.6
 227 64.4 31.7 95.1





#95

Naphthalene

Concen: 13.491 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

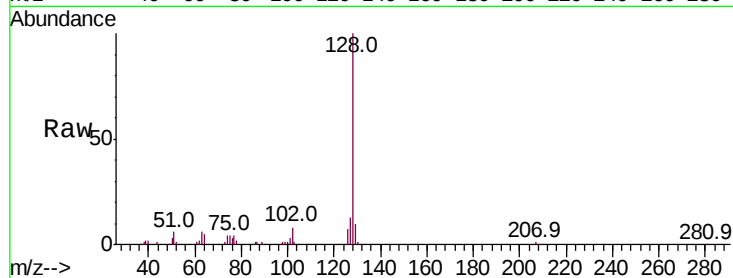
Tot Ion:128 Resp: 124756

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

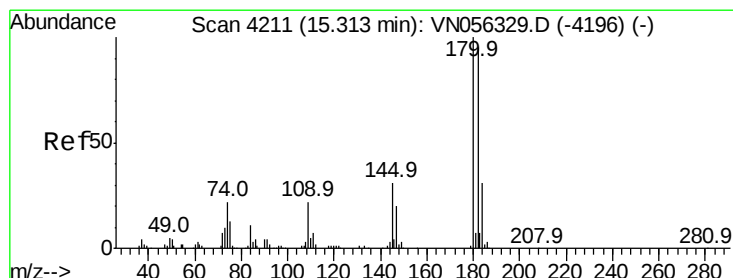
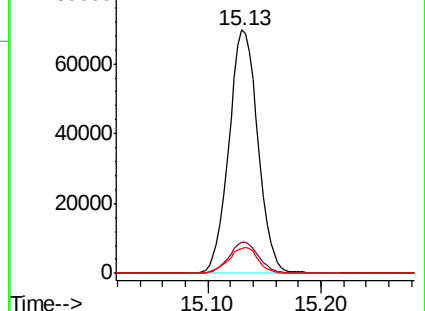
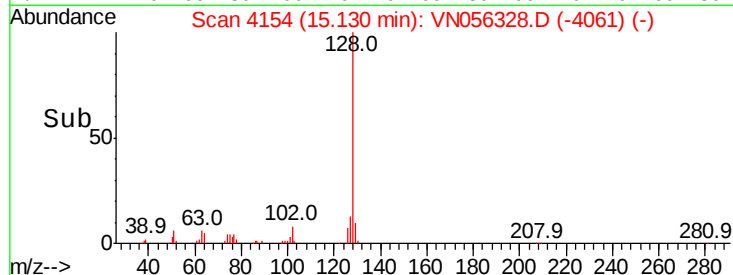
129 10.6 8.6 12.8



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: 13.789 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056328.D

Acq: 17 Jun 2019 9:37

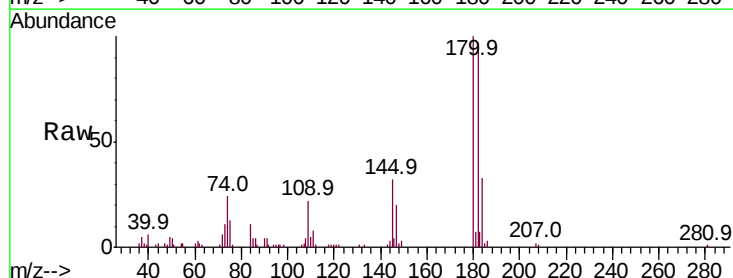
Tgt Ion:180 Resp: 52209

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.4

145 31.9 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

